



**PERKO**

**1963  
CATALOG  
NO. 180**

**THE INDUSTRY'S  
MOST COMPLETE LINE  
OF MARINE LIGHTS,  
HARDWARE AND ACCESSORIES**



### THE "PERKO" MAIN OFFICE AND FACTORY IN MIAMI, FLORIDA

A new modern 90,000 square foot plant and office devoted entirely to the manufacture of the highly respected "Perko" line of marine equipment. Located in the Sunshine State Industrial Park adjacent to the Palmetto Expressway.

This fine plant with its up-to-date equipment permits complete attention to our high standard of quality and production. Its advantageous location enhances the excellent service for which "Perko" is known.

PERKO

### PERKO'S NEW YORK WAREHOUSE AND OFFICE

Located in Brooklyn, N. Y., this warehouse is available for pick-ups and emergency shipment via parcel post, United Parcel Service or express in the areas surrounding our Country's busiest port and boating center. Heavy freight shipments are made from our warehouse in Miami, Florida.

CATALOG NO. 180

1963

# PERKINS MARINE LAMP AND HARDWARE CORP.

(ESTABLISHED 1907 — INCORPORATED 1917)

Factory and Main Office

16490 NORTHWEST 13th AVENUE • P. O. Box D • MIAMI 64, FLORIDA

Telephone

AREA CODE 305 — National 1-7525

New York Warehouse

161 SNEDIKER AVENUE • BROOKLYN 7, NEW YORK

Telephone

AREA CODE 212 — Dickens 2-1920

## PERKO

*Manufacturers of*

**SHIP AND BOAT EQUIPMENT**

**NAVIGATION LIGHTS • MARINE HARDWARE**

**FOR ALL SIZES AND TYPES OF VESSELS**

**COPYRIGHT**

1962 in U. S. and  
Canada by Perkins  
Marine Lamp and  
Hardware Corp.  
(See Page One)

# PERKO



**FREDERICK PERKINS**  
FOUNDER



**LOUIS E. PERKINS**  
PRESIDENT



**WM. J. MURPHY**  
VICE PRESIDENT AND  
GEN'L SALES MANAGER



**MARVIN S. PERKINS**  
SECRETARY



**NATHAN LIPPMAN**  
TREASURER



**LEROY F. HOLLENBECK**  
PRODUCTION ENGINEER



**ALBERT E. PERSKY**  
PLANT SUPERINTENDENT



**EMILY MANDELION**  
SALES DEPARTMENT



**JOHN P. RUSH**  
ASST. SALES MANAGER



**ALLEN W. MATTHEWS, JR.**  
SALES DEPARTMENT



**JOHN W. LEE**  
EXPORT MANAGER

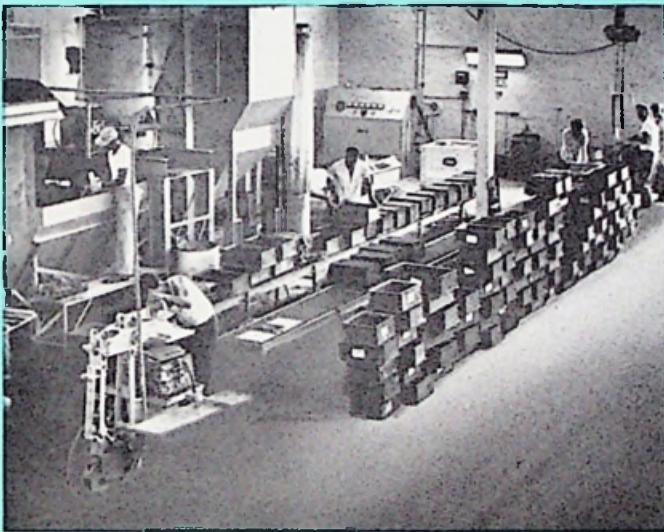


**RAYMOND J. MURPHY**  
MGR. N. Y. WAREHOUSE

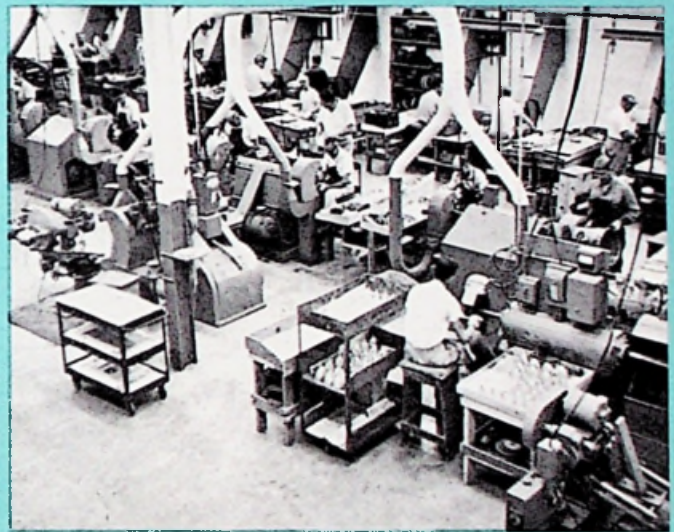
**WHERE  
PERKO  
PRODUCTS  
ARE MADE**



Perko's Electro Plating Department has the finest facilities for applying copper, nickel and chrome under controlled conditions.



Perko's new foundry features the latest equipment for bronze and aluminum castings.



The lustrous finish on Perko's polished brass and chromium plated products can be attributed to this ultra modern Polishing and Grinding Department.



Perko's new Machine Shop is equipped with the latest in automatic machinery to assure precision fabrication.



The equipment in the Tool and Die Department in Perko's new Miami plant is overshadowed by the caliber of men who man it.



**District Sales Managers  
In The United States  
And Adjacent Areas**



**ROLAND E. McCUNE**  
California, Nevada,  
Utah, Colorado, Arizona,  
Wyoming, Southern Idaho,  
New Mexico, Hawaii



**JOHN B. MERIFIELD**  
Washington, Oregon,  
Northern Idaho, Montana,  
Alaska, British Columbia,  
Alberta, Saskatchewan,  
Manitoba



**FELIX F. TRANCHINA**  
Gulf Coast States  
Alabama to Texas  
and Tennessee



**HERBERT M. HILL, JR.**  
New York State, Ohio,  
Western Pennsylvania,  
West Virginia, Michigan



**ARTHUR J. THOMPSON**  
Illinois, Indiana  
Kentucky, Wisconsin



**W. WM. GRAHAM**  
Minnesota, Iowa  
Missouri, Arkansas,  
Oklahoma, Kansas,  
Nebraska, The Dakotas



**EDWARD W. OWENS**  
New England States



**HENRY S. GARTNER**  
Florida, Georgia,  
North and South Carolina



**JOSE L. CAMPOS**  
Puerto Rico - Virgin Islands



**CHARLES S. ABERNATHY**  
Panama



# SALES REPRESENTATIVES

## PACIFIC COAST AREA

McCUNE-WESTERN, INC.  
1160 Howard St.  
San Francisco 3, Calif.

McCUNE-WESTERN, INC. ASSOCIATE  
James Dugan  
2612 W. Coast Hwy.  
Newport Beach, Calif.

McCUNE-WESTERN, INC. ASSOCIATE  
Grant Goates  
838 W. 400 North  
Provo, Utah

JOHN B. MERIFIELD CO., INC.  
909 Western Avenue  
Seattle 4, Washington

## GULF COAST AREA

F. F. TRANCHINA COMPANY  
1005-1013 Magazine St.  
New Orleans 13, La.

F. F. TRANCHINA CO., ASSOCIATE  
Robert Tranchin  
2669 Myrtle Springs Ave.  
Dallas, Texas

F. F. TRANCHINA CO., ASSOCIATE  
William R. Lindsey  
1228 Ridgeley Dr.  
Houston 24, Texas

F. F. TRANCHINA CO., ASSOCIATE  
Roy B. Howell  
1039 Maury St.  
Memphis, Tenn.

## SOUTHERN AREA

HENRY S. GARTNER  
P. O. Box 1699  
Fort Lauderdale, Fla.

HENRY S. GARTNER ASSOCIATE  
Earl V. "Swede" Aronson  
1203 No. 67th St.  
Bradenton, Fla.

## NEW ENGLAND AREA

EDWARD W. OWENS  
51 Upland Way  
Barrington, Rhode Island

## MID-WEST AREA

### Eastern Division

HERBERT M. HILL  
P. O. Box 3032  
Buffalo 5, N. Y.

HERBERT M. HILL ASSOCIATE  
Edward Sheldon  
4280 St. Paul Blvd.  
Rochester 17, N. Y.

HERBERT M. HILL ASSOCIATE  
William Enright  
2501 Cheltenham Rd.  
Toledo, Ohio

## MID-WEST AREA

### Central Division

ARTHUR J. THOMPSON  
110 E. Madison St.  
South Bend 1, Indiana

## MID-WEST AREA

### Western Division

MIDWESTERN SALES COMPANY, INC.  
W. Wm. Graham  
7819 Wornall Road  
Kansas City 14, Mo.

## CENTRAL AMERICA AREA

CHARLES S. ABERNATHY  
P. O. Box 3501  
Panama, Rep. de Panama

## CARIBBEAN AREA

JOSE CAMPOS  
P. O. Box 3286  
Malecon, San Juan, Puerto Rico

# The Federal Boating Act of 1958 (Highlights of the law and regulations)

## CG — 290 July 1, 1959

### OPTION No. 1

(a) Inboards, outboards, and auxiliaries under 26 feet in length, carry, as before, a combination red and green lantern forward and on all around white light aft; show, as before, both lights when running under power alone. Auxiliaries, if running under both sail and power, show both lights instead of just the all around white light. Also, auxiliaries, if running under sail alone, show the combination lantern instead of the all around white light.

(b) Inboards, outboards, and auxiliaries of 26 feet or more, but not more than 65 feet in length, and under 40 gross tons in weight, carry, as before, a 20 point white light forward, an all around white light aft, and separate red and green sidelights; show, as before, each of these lights when running under power alone. Auxiliaries, if running under both sail and power, show each of these lights instead of just the sidelights. If running under sail alone, auxiliaries show, as before, the red and green sidelights and turn off the white lights.

**Option No. 1 Lights are Legal on Inland Waters, Western Rivers, and The Great Lakes only. Visibility requirements, Sidelights 1 Mile. Bow and Stern Lights 2 Miles.**

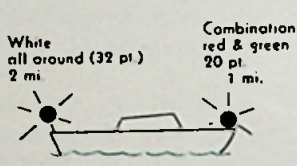
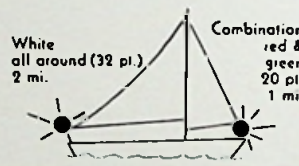
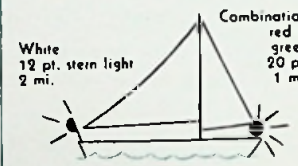
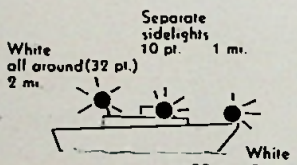
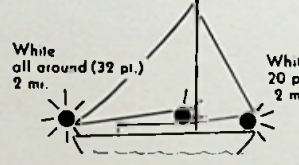
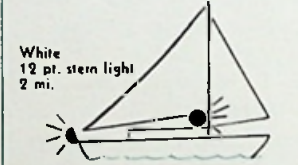
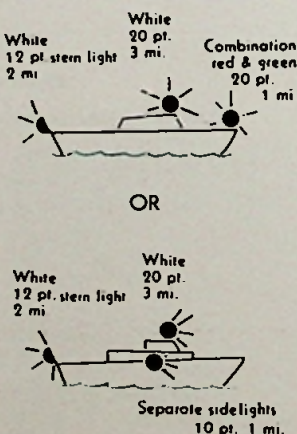
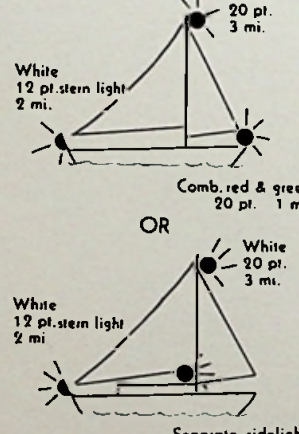
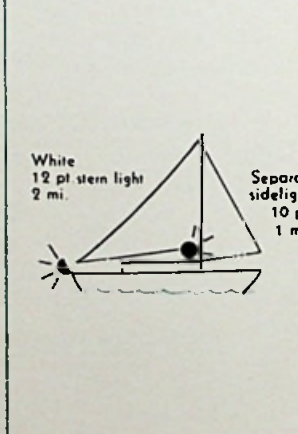
**Option No. 2 are New International Rule Lights legal anywhere, Inland Waters, Lakes, or High Seas. Visibility requirements, Sidelights 1 Mile. Bow and Stern Lights 3 Miles.**

### OPTION No. 2

In the case of Option 2, inboards, outboards and auxiliaries, under or over 26 feet in length, but not more than 65 feet in length, and under 40 gross tons in weight, carry either a combination lantern or separate red and green sidelights, a 20 point white light forward, and a 12 point white light at the stern; show each of these lights when running under power alone or both sail and power. Auxiliaries, if running under sail alone, turn off the 20 point white light and show the sidelights (or combined lantern) and the 12 point white stern light.

Pertinent details for inboards, outboards, and auxiliaries subject to the Motorboat Act which exercise Option 2 are to be found in Rules 2 (a), 7 (a), 7 (b), and 10 (a) of the Regulations for Preventing Collisions at Sea, 1948, commonly referred to as International Rules. When checking the characteristics of the lights and their required separation, if the boat is less than 40 gross tons, Rules 7 (b), 7 (a), and 10 (a) should be read and applied in the order listed in this sentence, and Rule 2 (a) omitted.

## SAFETY EQUIPMENT

		INBOARDS, OUTBOARDS, OR AUXILIARIES		
		POWER ALONE	SAIL & POWER	SAIL ALONE
<b>INLAND</b> These lights may be shown only on inland waters, western rivers, and Great Lakes.	Under 26'	White all around (32 pt.) 2 mi. 	White all around (32 pt.) 2 mi. Combination red & green 20 pt. 1 mi. 	White 12 pt. stern light 2 mi. Combination red & green 20 pt. 1 mi. 
	26' or over not more than 65'	White all around (32 pt.) 2 mi. Separate sidelights 10 pt. 1 mi. White 20 pt. 2 mi. 	White all around (32 pt.) 2 mi. Separate sidelights 10 pt. 1 mi. White 20 pt. 2 mi. 	White 12 pt. stern light 2 mi. Separate sidelights 10 pt. 1 mi. 
<b>INTERNATIONAL RULES</b> Lights under International Rules may be shown on inland waters, western rivers, and Great Lakes, and are required on the high seas.	Power vessel under 40 gross tons and sail vessels under 20 gross tons*	White 12 pt. stern light 2 mi. White 20 pt. 3 mi. Combination red & green 20 pt. 1 mi. OR White 12 pt. stern light 2 mi. White 20 pt. 3 mi. Separate sidelights 10 pt. 1 mi. 	White 12 pt. stern light 2 mi. White 20 pt. 3 mi. Comb. red & green 20 pt. 1 mi. OR White 12 pt. stern light 2 mi. White 20 pt. 3 mi. Separate sidelights 10 pt. 1 mi. 	White 12 pt. stern light 2 mi. Separate sidelights 10 pt. 1 mi. 

\* Under International Rules powerboats of 40 gross tons or over must carry separate sidelights, visible 2 miles, and a 20-point white light visible 5 miles. Sailing vessels of 20 gross tons or over must carry separate side lights, visible 2 miles. Under sail, only boats of less than 20 tons may use a combination lantern. (Note: A vessel under sail alone on the Great Lakes is not required to display a stern light.)

**LIGHTS REQUIRED ON BOATS UNDERWAY BETWEEN SUNSET AND SUNRISE**  
**ANCHOR LIGHTS.** Vessels at anchor must display anchor lights except those of not more than 65 feet in length in a "special anchorage area."



## FOREWORD AND GENERAL INFORMATION

This catalog has been arranged for convenient reference by grouping the material according to its application in the marine field.

You will find illustrated herein a number of new items added to our fast growing line, indicating constant attention to changes in the marine field, our determination to keep abreast of the times and to retain the ability to supply the most desirable and modern equipment.

Of course we continue our strictest rules of adherence to highest quality and finish, fastest possible delivery and cooperation with our numerous friends and customers throughout the world.

### PRICES AND TERMS

Our costs are subject to change due to causes beyond our control. The prices listed herein are only intended for guidance of our jobbers and do not necessarily establish resale prices. Applicable governmental regulations, shipping costs and other complications should be considered in arriving at a fair price. **All prices are subject to change without notice** and are F.O.B. Miami, Florida, unless quoted otherwise. Terms are 30 days net; 2% if payment is sent 10 days from date of invoice.

### GUARANTEE

Every item bearing our trade-mark is guaranteed free from defects at time of shipment. In case of defects, adjustments will gladly be made, provided the material is returned to our factory and repairs have not been attempted by other than our own workmen.

### RETURN GOODS

**Material made to order is not returnable. Stock material is only returnable when permission has been granted by us, and is subject to a handling and refinishing charge. Shipping charges must be prepaid.**

### WEIGHTS

The weights given in this catalog are not guaranteed, but have been carefully determined and should be sufficient for general purposes.

### RATING

Orders from firms unknown to us and having no satisfactory commercial credit rating must be accompanied by cash or satisfactory references. C.O.D shipments will be made if a 25% deposit is sent with order.

### SHIPPING INSTRUCTIONS

Customers should send specific shipping instructions, if this is not done, we will use our own judgment in selecting route.

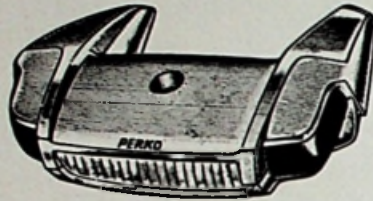
### COPYRIGHT

This catalog including all of its illustrations, form and data is protected by copyright. Same may not be reproduced in other catalogs, circulars, leaflets, etc. without our written permission.



Quarter View

Fig. 1201  
"PATHFINDER"



Top View

**"PATHFINDER"**  
**COMBINATION BOW AND DOCKING LIGHT — Fig. 1201**

Zamak Die Casting — Chromium Plated

A light that is unusual in design, uncluttered in appearance, yet practical and filling every need.

The red and green lenses project light in accordance with U.S. Coast Guard "angles of visibility" but well beyond their "distance of visibility" requirements. Each lens has its own electric socket.

The clear center light should be operated by a separate switch for use only as a docking light, a needed feature when approaching a dock or buoy in darkness.

The flag staff socket will accommodate our staffs, Figs. 495, 496 or 1230.

One screw inside flag staff socket quickly disassembles light for replacing bulbs or lenses without removing the base from the deck.

Electric sockets are bayonet double contact type.

We recommend 6 C.P. bulbs for running lights, 21 C.P. bulb for docking light.

Each	Height Overall Inches	Width Overall Inches	Length Overall Inches	Height Lens Inches	Diam. Staff Socket Inches	Weight Pounds.
\$9.00	3 1/4	7 3/8	6	1 3/8	3/4	1 1/4

Spare red and green lenses (specify Fig. 305-P) \$.75 each.

Spare clear lenses for docking light (specify Fig. 313-P) \$.75 each.

Spare electric sockets, \$.75 each.

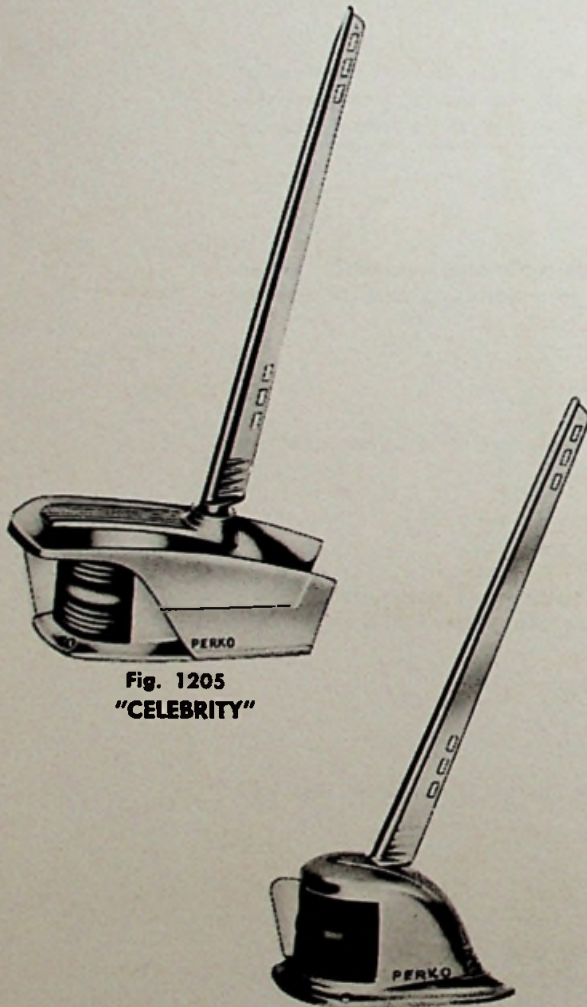


Fig. 1205  
"CELEBRITY"

Fig. 1218  
"RANGER"

**"CELEBRITY" COMBINATION BOW LIGHT — Fig. 1205**

Zamak Die Casting — Chromium Plated —  
Red and Green Fresnel Lenses —  
Double Contact Electric Socket. Rebulbing Feature

EACH \$8.25\*

Height Inches	Length Base Inches	Width Base Inches	Height Lens Inches	Diameter Staff Socket Inches	Weight Pounds
3 1/4	7	3 3/4	2 1/2	3/4	1 1/2

\*Price does not include flag staff. See Fig. 1230

Spare Lenses, see Fig. 259 CL. A-P.

Spare Electric Sockets, \$.75 each.

**"RANGER" COMBINATION BOW LIGHT — Fig. 1218**

Zamak Die Casting — Chromium Plated —  
Red and Green Fresnel Lenses —  
Double Contact Electric Socket — Rebulbing Feature

Light Each	Height Inches	Size Base Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
\$5.75	3 1/2	6 1/4 x 3 7/8	2 1/2	3/4	3/4

Flag Staff Fig. 1230 - \$2.50 each

See Next Page for Spare Parts.

**"ARISTOCRAT" COMBINATION BOW LIGHT — Fig. 1274**

Zamak Die Casting — Chromium Plated —  
 Red and Green Fresnel Lenses —  
 Double Contact Electric Socket — Rebulbing Feature

Light Each	Height Inches	Size Base Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
\$7.50	3 3/8	7 1/4 x 3 5/8	2 1/2	3/4	1 1/2

Flag Staff Fig. 1230 - \$2.50 each

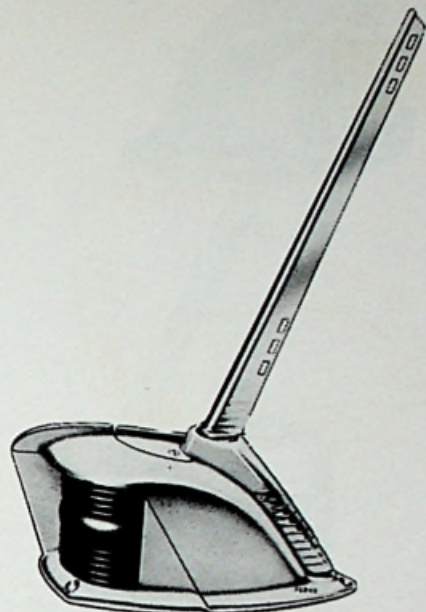


Fig. 1274  
 "ARISTOCRAT"

**"ROCKET" COMBINATION BOW LIGHT — Fig. 1260**

Zamak Die Casting — Chromium Plated —  
 Red and Green Fresnel Lenses —  
 Double Contact Electric Socket — Rebulbing Feature

Light Each	Height Inches	Length Overall Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
\$7.50	2 5/8	9 3/4	1 1/2	3/4	1 3/4

Flag Staff Fig. 1230 - \$2.50 each

Spare Parts — Figs. 1218, 1274 & 1260

Spare Lenses for Figs. 1218 and 1274 see Fig. 259 CL. A-P  
 Spare Lenses for Fig. 1260 see Fig. 259 Class A, Rocket.  
 Spare Electric Sockets \$.75 each.



Fig. 1260  
 "ROCKET"

**"SEA STAR" COMBINATION BOW LIGHT — Fig. 1140**  
 All Brass — Chromium Plated

With red and green fresnel lenses and double contact electric socket. The flag staff socket is removable for rebulbing.

Each	Height Inches	Dimensions of Base Inches	Height Lenses Inches	Diam. Staff Socket Inches	Weight Pounds
\$9.50*	3 1/4	6 1/4 x 3 7/8	2-9/16	3/4	7/8

\*Price does not include flag staff, see Figs. 495 and 496  
 Spare Lenses — See Fig. 259 Class A Std.  
 Spare Electric Sockets \$.75 each



Fig. 1140  
 "SEA STAR"

**"SALTY" COMBINATION BOW LIGHT — Fig. 1160**  
 All Brass — Chromium Plated

Red and Green Fresnel Lenses. Double Contact Electric Socket.  
 The Flag Staff Socket is removable to permit quick rebulbing.

Each	Height Inches	Length Base Inches	Width Base Inches	Height Lens Inches	Weight Pounds
\$6.90*	3 1/8	7 3/8	4 1/4	2 1/2	1 1/4

Spare Lenses See Fig. 259 CL. A-P  
 Spare Electric Sockets, \$.75 Each.

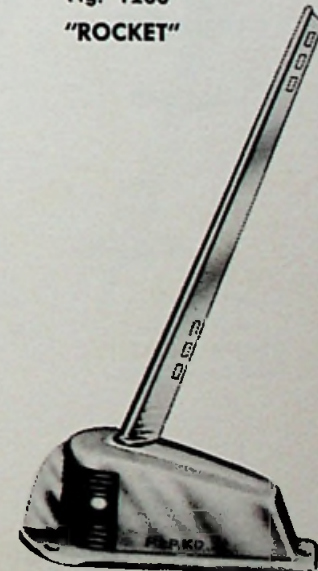


Fig. 1160  
 "SALTY"

**"LITTLE JOE" COMBINATION BOW LIGHT — Fig. 1146**  
 Zamak Die Casting — Chromium Plated

Has integral chromium plated color divider and angle flag pole socket. Complete with bulb.

Chromium Plated Each	Height Inches	Base Inches	Height Lens Inches	F. P. Socket Inches	Weight Ounces
\$4.25	2 1/4	4 1/2 x 2 3/8	1 7/8	1/2	7

Spare Miniature Bayonet Socket, Each \$.55.  
 Spare Lenses, see Fig. 259 Class A—L.J. Each \$1.10.  
 Flag Pole, see Figs. 495 and 496 Size No. 1.

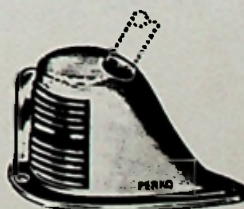


Fig. 1146  
 "LITTLE JOE"

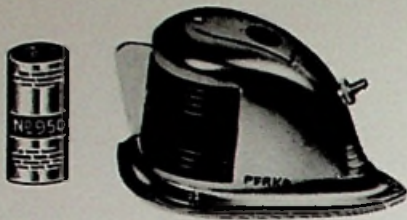


Fig. 1236

**COMBINATION BOW LIGHT — Fig. 1236**

Zamak Die Casting — Chromium Plated — Self Contained Battery Type — with Flag Pole Socket and Switch — For Single Cell Flashlight Battery

Battery and bulb easily replaced by removal of three screws from base.

With red and green fresnel lenses, miniature socket and bulb. Zamak die cast body. Battery not included.

Chromium Plated Each	Height Inches	Size Base Inches	Height Lens Inches	Flag Pole Socket Inches	Weight Pounds
\$8.50	3 $\frac{3}{8}$	6 $\frac{1}{4}$ x 3 $\frac{3}{8}$	2 $\frac{1}{2}$	$\frac{3}{4}$	1 $\frac{1}{8}$

Spare Lenses, See Fig. 259, CL. A-P.

Spare Bulb — See Fig. 53, 1.3 volts.

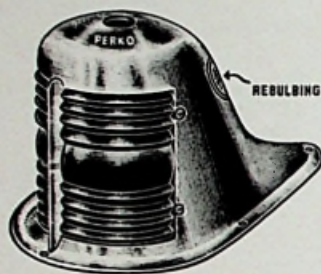


Fig. 1141

**CRUISER COMBINATION BOW LIGHT — Fig. 1141**

Heavy Gauge Wrought Brass with Rebulbing Feature and F. P. Socket

Polished Brass Each	Chromium Plated Each	Height Inches	Base Inches	Height Lens Inches	F. P. Socket Inches	Weight Pounds
\$14.00	\$16.50	5 $\frac{1}{8}$	5 $\frac{5}{8}$ x 9 $\frac{1}{2}$	4 $\frac{1}{4}$	1	2

Spare Lenses, Each \$3.45.

Spare D.C. Sockets, see Fig. 747 No. 7 Each \$.90.



Fig. 348

**COMBINATION BOW LIGHT — Fig. 348**

Brass — Chromium Plated — Double Contact Electric Socket

Fitted with a gracefully shaped base for easy mounting on horizontal surfaces, this light has two 112 $\frac{1}{2}$ ° red and green Fresnel lenses. Top is fitted to base with screw thread for easy rebulbing.

Chromium Plated, ea.	Height Overall Inches	Diameter Body Inches	Height Lens Inches	Weight Ounces
\$6.00	4 $\frac{1}{2}$	2 $\frac{1}{2}$	2-9/16	12



Fig. 1144

**COMBINATION BOW LIGHT FOR SAIL BOATS—Fig. 1144**

Wrought Brass — Electric

For mounting on forward part of mast. Complete with red and green fresnel lenses and double contact electric socket.

Polished Brass Each	Chromium Plated Each	Height Overall Inches	Diam. Body Inches	Height Lens Inches	Weight Pounds
\$4.75	\$6.00	4 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{3}{8}$	$\frac{3}{4}$



Fig. 232

**HALYARD EYES FOR METAL FLAG POLES — Fig. 232**

Spring Brass — Chromium Plated

For quick attachment of flag to pole. Adjustable to various diameters.

Each—\$.30

**IMPROVED "TRU-BEAM" STERN POLE LIGHT — Fig. 1206**

**Zamak Die Casting — Brass Pole — Chromium Plated**

This attractive pole light is aptly named as the light is projected on a horizontal plane which means greatly improved visibility for the most important light on the boat.

The knurled nut on the base permits adjusting the height of the light down to 4 3/8 inches.

Complete with upper and lower flag halyard eyes, double contact electric socket, clear globe and wired, ready for installation.

No.	Maximum Length Inches	Each	Diameter Pole Inches	Dimensions Base Inches	Weight Pounds
1	20	\$ 8.75	3/4	3 3/4 x 2 1/8	1 1/8
2	24	9.25	3/4	3 3/4 x 2 1/8	1 3/8
3	30	9.85	3/4	3 3/4 x 2 1/8	1 3/4
4	36	10.60	3/4	3 3/4 x 2 1/8	2

Flag Pole Socket only \$3.50 each — Spare Electric Sockets, \$.85 each. Spare Globes, see Fig. 281-P

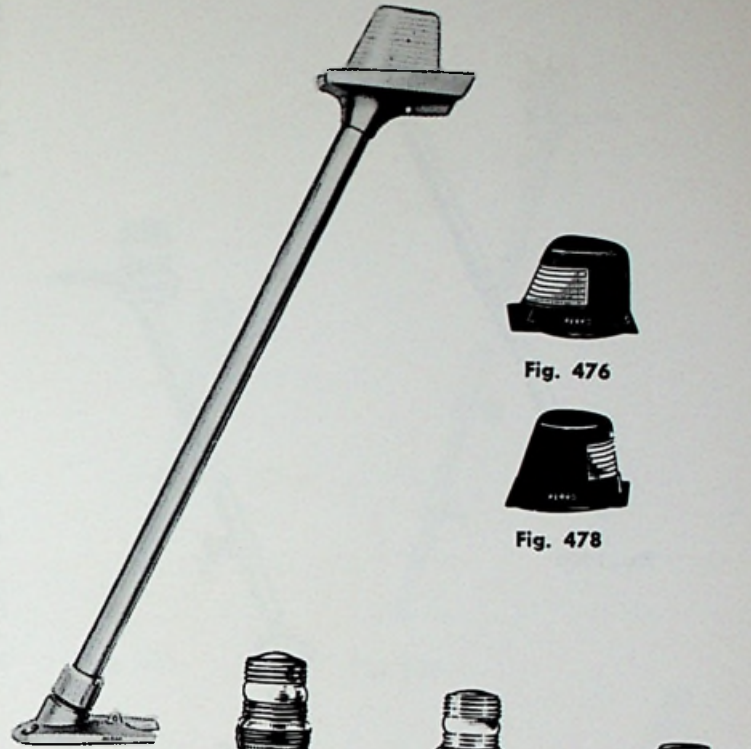


Fig. 1206

Fig. 476

Fig. 478

**INTERNATIONAL SHIELDS — Figs. 476 & 478**

**Heavy Gauge Plastic to Permit use of Fig. 1206 & 1293 on International Waters**

Fig. 476 Shields Light to 225 Degrees

Fig. 478 Shields Light to 135 Degrees

EACH \$.90

**ADJUSTABLE POLE LIGHTS — Figs. 605, 1233 & 1293**

**Chromium Plated — All Wired — Ready For Installation**

Pole is 3/4 inch outside diameter. Heavy gauge brass tubing electric sockets are all bayonet double contact all adjustable to various lengths down to 4 3/4 inches.

Size No.	Maximum Length	Fig. 605 Each	Fig. 1233 Each	Fig. 1293 Each	Dimensions Base Inches	Pounds
1	20	\$8.00	\$6.75	\$7.75	3 3/8 x 2 1/4	1 1/8
2	24	8.50	7.25	8.25	3 3/8 x 2 1/4	1 1/4
3	30	9.10	7.85	8.85	3 3/8 x 2 1/4	1 3/8
4	36	9.85	8.60	9.60	3 3/8 x 2 1/4	1 5/8

Spare Globes — For Figs. 605 and 1233 see Fig. 248-P and For Fig. 1293 see Fig. 281-P.

Spare Electric Sockets — For above \$.85 each.

Spare Flag Pole Socket — For Fig. 605 \$2.75 each, for Figs. 1233 and 1293, \$2.00 each.

Pole Lights Figs. 605 and 1233 can be supplied with Fig. 247 vertical ribbed globe illustrated. If desired, be sure to specify.

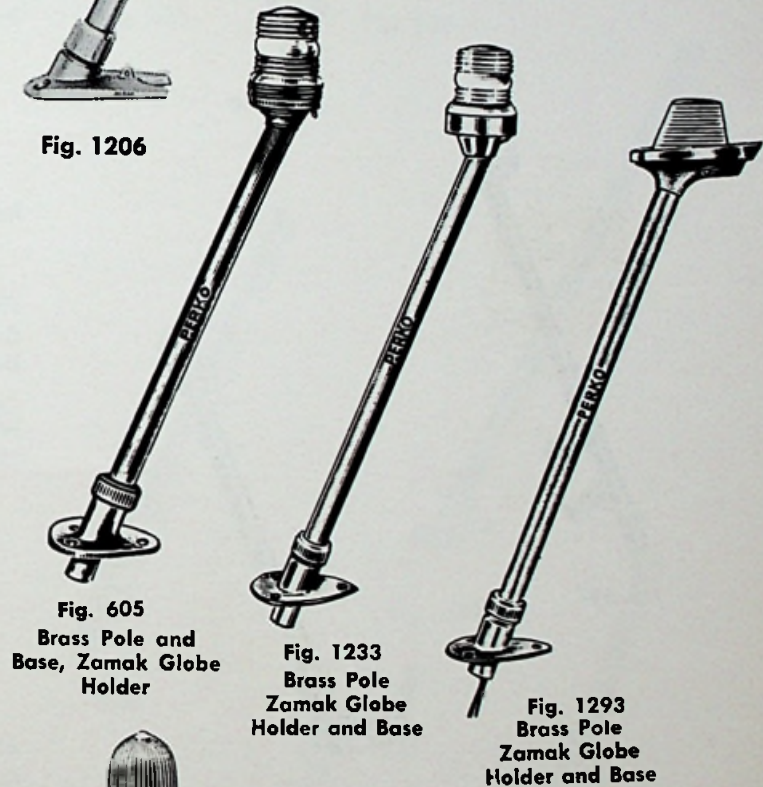


Fig. 605

Brass Pole and Base, Zamak Globe Holder

Fig. 1233

Brass Pole Zamak Globe Holder and Base

Fig. 1293

Brass Pole Zamak Globe Holder and Base



Fig. 247

**INTERNATIONAL SHIELDS — Figs. 507 & 508**

**Heavy Gauge Plastic**

For use with Figs. 422, 605, 1233 and all other lights using the 1 1/4 inch or 2 1/2 inch globe.

Each \$1.25



225° Bow Shield Fig. 507



135° Stern Shield Fig. 508



Fig. 1209



Fig. 660



Fig. 687



Fig. 609

### NOTES

Spare globes for Figs. 660, 687 and 1209. See Fig. 248-P.

Spare globes for Fig. 609, see Fig. 604.

Spare electric sockets for all above, \$.85 each.

Figs. 660, 687 and 1209 can be supplied with vertical ribbed globe Fig. 247 please specify.

### REMOVABLE POLE LIGHT — Fig. 1209

Brass — Chromium Plated — 1 3/4 Inch Globe — 3/4 inch Tubing

Instantly removable for stowing away, without breaking connections.

Electric socket permanently fixed in deck socket, the connector is within the tubular pole. Push pole into deck socket and electric connections are made. Two prong type connector, no springs.

No.	Length Overall Inches	Each	Dimensions Base Inches	Weight Pounds
1	20	\$ 9.90	3 3/8 x 2 1/4	7/8
2	24	10.40	3 3/8 x 2 1/4	1
3	30	11.00	3 3/8 x 2 1/4	1 1/4
4	36	11.75	3 3/8 x 2 1/4	1 1/2

### SWIVEL TYPE POLE LIGHTS — Fig. 660

Brass — Chromium Plated — 1 3/4 Inch Globe — 3/4 Inch Tubing

For mounting and fastening to deck and center post of flying bridge windshield. Swivel base permits adjustment to any normal angle. Complete with glare shield. Height of bottom section from deck is 17 inches.

No.	Length Overall Inches	Each	Weight Pounds
2	24	\$11.75	1
3	30	12.35	1 1/4
4	36	13.10	1 1/2

Spare Glare Shield, \$1.10 each.

### TRANSOM POLE LIGHT Fig. 687

Brass — Chromium Plated — 1 3/4 Inch Fresnel Globe — Double Contact Electric Socket

Complete with cork gasket and wired ready for installation. With adjustable brackets for mounting on transom. Pole diameter is 3/4 inch.

No.	Length Overall Inches	Each	Dimensions of Bracket Inches	Weight Pounds
1	20	\$7.75	2 1/4 x 3/4	7/8
2	24	8.25	2 1/4 x 3/4	1
3	30	8.85	2 1/4 x 3/4	1 1/8
4	36	9.60	2 1/4 x 3/4	1 1/4

### ADJUSTABLE POLE LIGHT — Fig. 609

High Intensity — 1 1/2 Inch Fresnel Ball Globe — All Brass — Double Contact Socket —

Wired Complete With Connectors

Adjustable to various lengths down to 5 inches. Knurled nut holds pole firmly in place. Diameter of pole is 3/4 inch.

No.	Maximum Length Inches	Chromium Plated Each	Weight Pounds
1	20	\$ 9.50	1 1/4
2	24	10.00	1 1/2
3	30	10.60	1 1/2
4	36	11.35	1 3/4

Flag Pole Socket Complete .....\$2.00 each

**POLE LIGHTS — Fig. 658**

**For Windshield Mounting — Brass — Chromium Plated**

Complete with two mounting brackets, glare shield and water-proof cap for lower portion when disassembled. Pole is 3/4" brass tubing. Globe is 1 3/4" in diameter, Fig. 248-P. Height of bottom section is 16 inches.

No.	Length Overall Inches	Each	Weight Pounds
2	24	\$10.75	1 1/4
3	30	11.35	1 1/2
4	36	12.10	1 3/4

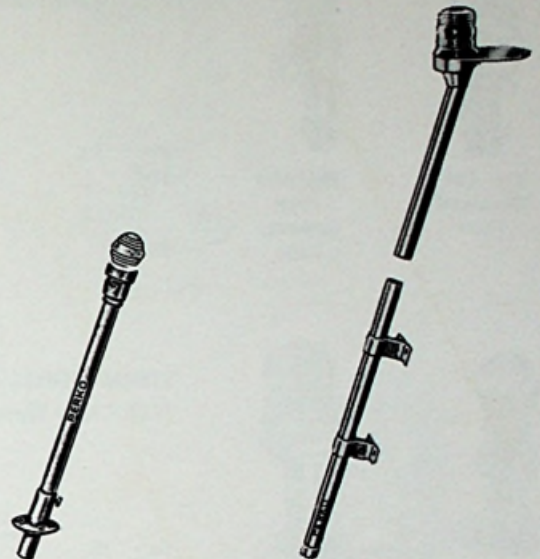


Fig. 658

**"LITTLE JOE" POLE LIGHT — Fig. 625**

**High Intensity — 1 1/2 Inch Fresnel Ball Globe — Polished Aluminum — Double Contact Socket**

An attractive companion for our "Little Joe" combination light, Fig. 1146. Pole is adjustable to various lengths down to 5 inches. Wired ready for installation.

Length Overall Inches	Each	Diam. Pole Inches	Weight Ounces
20	\$6.90	9/16	10

Fig. 625

**STERN FLAG STAFF — Fig. 580**

**Brass — Chromium Plated with Walnut Ball**

Complete with base and spring operated button for quick detachment from base.

No.	Length Overall Inches	Each	Diameter Pole Inches	Dimensions Base Inches	Weight Pounds
2	24	\$7.00	3/4	3 3/8 x 2 1/4	3/4
3	30	7.50	3/4	3 3/8 x 2 1/4	7/8

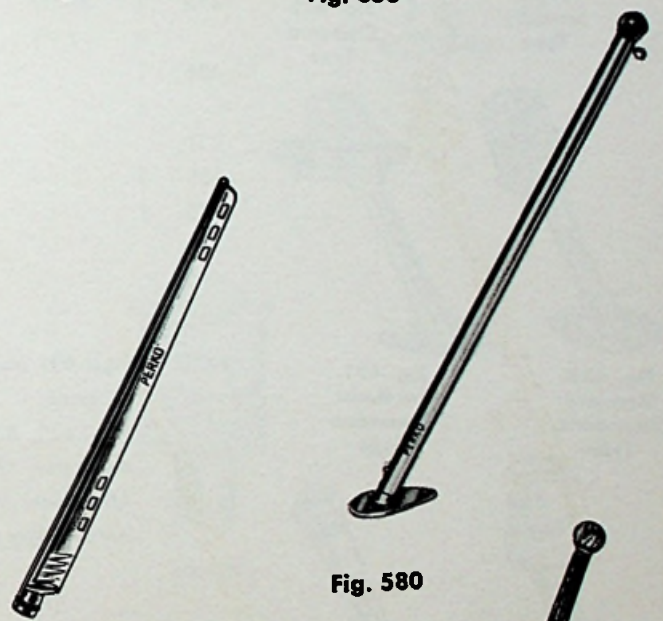


Fig. 580

**FLAG STAFF — Fig. 1230**

**Ultra Modern Dynaform Taper Design Zamak Die Cast Chromium Plated**

Neoprene Rubber "O" Ring in base for holding in Flag Pole socket.

Each	Length Overall Inches	Diameter Base Inches	Weight Ounces
\$2.50	14	3/4	8

Fig. 1230

**FLAG STAFF — Fig. 496**

**Mahogany**

Turned from solid seasoned mahogany. Varnished, hand rubbed polished finish.

No.	Each	Length Overall Inches	Diam. Base Inches	Weight Ounces
1	\$2.15	14	1/2	1
2	2.30	14	3/4	1 1/2
3	2.40	18	3/4	2 1/2
4	2.75	18	1	4
5	4.25	24	1	5
6	5.75	30	1 1/4	8 1/2
7	7.00	36	1 1/4	13
8	9.00	48	1 1/4	26

With brass ferrule, add \$.75 Each.

**FLAG STAFF — Fig. 495**

**Brass — Chromium Plated**

With eyes for flag halyard and rubber "O" ring for firm fit in socket.

No.	Each	Length Inches	Diam. Base Inches	Weight Ounces
1	\$3.20	14	1/2	2
2	3.40	14	3/4	3
3	3.50	18	3/4	6

Fig. 495

Fig. 496



Fig. 491  
Standard  
Type



Fig. 600  
High  
Intensity  
Type

### POLE LIGHTS — Figs. 491 & 600

Brass—With Clear Threaded Fresnel Globe—Double Contact Electric Socket

Fig.	No.	Chromium Plated Each	Spare Globes Each	Diameter Globe Inches	Fig. No. of Globe	Height Overall Inches	I.D. Neck	Maximum Bulb C.P.	Weight Ounces
491	1	\$6.00	\$1.00	1 3/4	248-P	5	3/4	50	5
	2	6.50	1.90	3	251	5 3/4	3/4	50	14
600		6.00	1.25	1 1/2	604	4 1/4	5/8	6	7



Fig. 404  
High  
Intensity  
Type



Fig. 422  
Standard  
Type

### STERN LIGHTS — Fig. 404, 422, 438, 421, 455 & 439

With Clear Threaded Fresnel Globe—Double Contact Electric Socket

Fig.	No.	Polished Brass Each	Chromium Plated Each	Spare Globes Each	Diameter Globe Inches	Fig. No. of Globe	Height Overall Inches	Size Base Inches	Maximum Bulb C.P.	Weight Ounces
404			\$6.50	\$1.25	1-1/2	604	3 1/2	2 3/8	6	7
422	1	\$6.00	6.75	1.00	1-3/4	248-P	6	2 3/8	50	7
	3	7.75	8.75	1.90	3	251	12	2 3/8	50	20
438	1		7.25	1.00	1-3/4	248-P	6	3 3/8 x 2 1/4	50	6
	3		9.25	1.90	2-1/2	250	12	3 3/8 x 2 1/4	50	20
421			7.50	.95	2-9/16	281-P	12	3 3/8 x 2 1/4	6	17
439	1		6.50	1.25	1-1/2	604	6	3 3/8 x 2 1/4	6	11
455	1		5.00	1.00	1-3/4	248-P	6	3 x 2 1/8	50	12



Fig. 438  
Standard  
Streamline  
Type



Fig. 421  
Tru-Beam  
Streamline  
Type

NOTE — Figs. 421 and 455 have Zamak top and base with brass tubing. Other types are all brass.

Figs. 422, 438, 455 and 491 can be supplied with Fig. 247 globe, clear only. Add letter "A" to Fig. No.

All above except Fig. 421 can be supplied with colored globe, add \$.60 each. For selection of colors see Figs. 250, 251 or 604.



Fig 455  
Economy  
Type



Fig. 439  
High Intensity  
Streamline  
Type

### MEAL AND ABSENT LIGHTS — Figs. 329 & 330

Cast Bronze—Watertight

For mounting on yardarm. Supplied with two fresnel globes, one blue, the other clear, Fig. 251.

Fig.	Polished Bronze Each	Chromium Plated Each	Length Overall Inches	Size Base Inches	Diam. Globe Inches	Wt. Lbs.
329	\$17.75	\$21.00	9	3 3/8 x 1 3/4	3	2
330	19.75	23.00	10	3 3/8 x 1 3/4	3	2 1/2

Bulbs for Fig. 329, see Fig. 337 all sizes listed.

Bulbs for Fig. 330, see Fig. 340, 32 and 120 Volt 15 watt, 1 3/8 inch diameter.

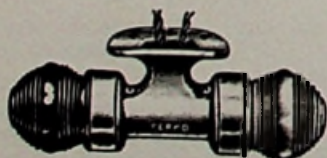


Fig. 329 with Double Contact Socket  
Fig. 330 with Medium Screw Socket



**STERN LIGHTS — Fig. 375**  
**Cast Bronze**

Equipped with 360 degree clear fresnel lens and double contact electric socket. Any height desired can be secured by placing required length of 1 inch brass pipe at joint marked "A". These parts have standard 1 inch pipe thread.

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Spare Lens Fig. 261 Each	Spare Socket Fig. 52 Each
\$14.95	\$16.25	\$18.50	\$2.50	\$.50
Height Overall Inches	Diam. Base Inches	Diam. Body Inches	Height Lens Inches	Weight Pounds
7	3 1/2	3 1/2	3 3/4	2 3/4

With red, green, blue or amber lens, add \$1.50 each.  
 With medium screw socket fig. 346 for 15 watt bulb, add \$1.90 each.



Fig. 375

**STERN LIGHTS — Fig. 112**

**Cast Bronze — With Fig. 106 Threaded Globe for Bulb Up to 2 3/8 Inch Diameter Inclusive**

Equipped with clear fresnel globe and fig. 222 No. 1 medium screw electric socket.

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Diam. Base Inches	Size of Globe Inches	Weight Pounds
\$12.60	\$14.70	\$17.00	8 3/4	3 1/8	5x3 1/2	3 3/4

Spare globes, \$3.60 each. Spare sockets, \$ .90 each.

With red, green, blue or amber globe, add \$1.75 each.  
 With double contact socket fig. 276, No. 3 add \$.95 each.  
 For bulbs see Fig. 340 clear



Fig. 112

**MAST LIGHTS — Fig. 521**  
**Cast Bronze**

Equipped with 360 degree clear fresnel lens and double contact electric socket. Extra long neck.

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Spare Lens Fig. 261 Each	Spare Socket Fig. 52 Each
\$13.65	\$14.70	\$16.50	\$2.50	\$.50
Height Overall Inches	Diam. Body Inches	Height Lens Inches	Inside Length Neck Inches	Inside Diam. Neck Inches
6 3/4	3 1/2	3 3/8	2 1/2	1 1/4
				Weight Pounds
				2

With red, green, blue or amber lens, add \$1.50 each.  
 With medium screw socket fig. 346 for 15 watt bulb, add \$1.90 each.



Fig. 521

**MAST LIGHTS — Fig. 113**

**Cast Bronze — With Fig. 106 Threaded Globe for Bulb Up to 2 3/8 Inch Diameter Inclusive**

Equipped with clear fresnel globe and fig. 222 medium screw electric socket.

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Diam. Bottom Opening Inches	Inside Length Neck Inches	Size of Globe Inches	Weight Pounds
\$13.40	\$15.75	\$18.40	9	1 3/4	2 1/2	5x3 1/2	4

Spare globes, \$3.60 each Spare sockets, \$ .90 each.

With red, green, blue or amber globe, add \$1.75 each.  
 With double contact socket fig. 276, No. 3, add \$ .95 each.  
 For bulbs see Fig. 340 clear



Fig. 113



Fig. 83

**MAST LIGHTS — Fig. 83**  
**Cast Bronze—With Threaded Globe Guard**  
**Integral Cable Entrance With Terminal Tube**

With Fig. 106 Clear Threaded Globe for bulb up to 2 3/8 inches in diameter inclusive. Medium screw base.

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Diam. Bottom Opening Inches	Inside Length Neck Inches	Size of Globe Inches	Weight Pounds
\$21.00	\$24.60	\$28.30	10	1 3/4	2 1/2	5x3 1/2	5 1/2

Spare guards, \$5.50 each. Spare clear globes, \$3.60 each.

Spare sockets, \$ .90 each.

With red, green, blue or amber globe add \$1.75 each.

With double contact socket fig. 276, No. 3, add \$ .95 each.

For bulbs see Fig. 340 clear



Fig. 428

**POLE OR MAST LIGHT — Fig. 428**  
**All Brass—Chromium Plated—Threaded Fresnel Globe—**  
**Bayonet Double Contact Socket**

No.	Brass Each	Chromium Plated Each	Diam. Neck Inches	Height Overall Inches	Weight Pounds
1		\$6.00	1 1/4	4 1/4	1/2
2	\$5.60	7.00	1 1/2	4	1

With Colored globes, See Fig. 250 or 251. Spare Globes See Fig. 248-P.



Fig. 362

**POLE OR MAST LIGHT — Fig. 362**  
**Heavy Brass—Threaded Fresnel Globe—Double Contact**  
**Socket—For 1/2 Inch Pipe**

With 1 3/4 inch globe Fig. 248-P, will accommodate up to 50 C.P. bulb.

Bright Brass Each	Polished Brass Each	Chromium Plated Each	Diam. Globe Inches	Height Overall Inches	Diam. Base Inches	Wt. Lbs.
\$6.50	\$7.00	\$7.50	1 3/4	3 1/4	2 1/8	1/2

With Red, Green, Blue or Amber Globe, add \$.60 each.  
 See Figs. 250 and 251.



Fig. 103



Fig. 104

**MAST AND YARDARM LIGHTS — Figs. 103 & 104**  
**Cast Bronze—Clear Fresnel Globe—Medium Screw Socket—**

Fig. 103 threaded for 1/2 inch pipe. Fig. 104 for mounting on Truck or Yardarm. Will accommodate 15 watt 2 1/8 inch diameter bulb.

Fig.	Brass Each	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Diam. Globe Inches	Wt. Lbs.
103	\$ 9.20	\$11.25	\$13.40	6	3	2
104	10.25	12.90	14.95	5 5/8	3	2

Spare clear globes fig. 249, \$2.65 each.

Spare sockets fig. 222, No. 1, \$.90 each.

With double contact socket fig. 276, add \$.95 each.

**MAST LIGHTS — Figs. 488 & 489**  
**Cast Bronze—Clear Fresnel Globe—Medium Screw Socket**

Fig. 488 threaded 1/2 inch I. P. S.  
 Fig. 489 drilled for mounting on mast truck.

Bronze Each	Polished Bronze Each	Height Overall Inches	Diam. Base Inches	Size Globe Inches	Opening in Globe Inches	Wt. Lbs.
\$7.35	\$8.25	6	2 5/8	5 1/2 x 2 5/8	1 7/8	1

Chromium plated finish, add \$1.00 to polished price.  
 Spare clear globes fig. 77, \$2.40 each.  
 With red, green or blue globe, add \$1.10 each.  
 Spare electric sockets see Fig. 346 No. 1.



Fig. 488



Fig. 489

**MAST LIGHT — Fig. 371**  
**All Brass—Fresnel Globe—Double Contact Socket**

Supplied with a high grade acrylic plastic threaded fresnel globe (Fig. 248-P), this all brass, double contact light is designed with a flat base for easy mounting on top of mast. The base is bored and counter-sunk for 2 flathead screws. Can be supplied with glass fresnel globe (Figs. 250 or 251).

Bright Brass, ea.	Chromium Plated, ea.	Globe Diameter Inches	Overall Height Inches	Base Diameter Inches	Weight Ounces
\$6.00	\$6.75	1 3/4	2 7/8	2 1/8	6 1/2



Fig. 371

**MAST LIGHTS — Figs. 145 & 309**

**Cast Bronze — With Medium Screw Socket — Fig. 106**  
**Clear Threaded Globe — For Bulbs up to 2 3/8 Inch Diameter Inclusive**

Fig.	Bronze Each	Polished Bronze Each	Chromium Plated Each	Spare Clear Globes Each
145	\$15.20	\$17.30	\$20.45	\$3.60
309	10.25	12.00	14.00	3.60

Fig.	Height Overall Inches	Size Globe Inches	Opening In Globe Inches	Tapped for Pipe Size Inches	Wt. Lbs.
145	7 3/8	5 x 3 1/2	2 3/4	1/2	3 1/4
309	6 1/2	5 x 3 1/2	2 3/4	1/2	2 1/2

With red, green, blue or amber globe, add \$1.35 each.  
 Spare medium screw sockets fig. 222 No. 1, \$.90 each.  
 With double contact socket fig. 276 No. 3, add \$.95 each.  
 Spare threaded guards, \$5.50 each.



Fig. 145 with Guard



Fig. 309 without Guard

**BRONZE INTERNATIONAL NAVIGATION LIGHTS**

Cast Bronze—Burnished Or Chromium Plated—Watertight—Shielded to U.S.C.G. Visibility Requirements, Revised Rules of Motorboat Act. Effective June 4, 1956—Public Law 552—Legal For All Types of Boats—Under 65 Feet in Length and Under 40 Gross Tons.—For Use on Inland and International Waters. Electric—Double Contact Bayonet Type Sockets—Neck Has 1/2" Female Thread for Mounting on Pipe—Drilled for Wood Screws for Mounting Directly to Deck, Cabin Top and Cabin Sides

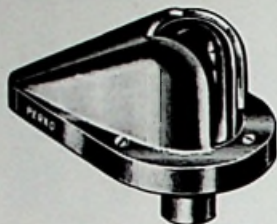


Fig. 910-A

**SIDE LIGHTS — Fig. 910-A**  
 10 Points—112½ Degrees—Visibility 2 Miles—Colored Lenses 1 Red And 1 Green

Bronze Per Pair	Chromium Plated Per Pair	Height Lens Inches	Length Overall Inches	Width Overall Inches	Diameter Neck Inches	Length Neck Inches	Weight Per Pair Pounds
\$17.00	\$22.50	2 1/8	5	2 7/8	7/8	1-3/16	3 1/4

For mounting on side of deck house.



Fig. 911-A

**BOW OR MASTHEAD LIGHTS — Fig. 911-A**  
 20 Points—225 Degrees—Visibility 3 Miles—Clear Lens

**STERN LIGHTS — Fig. 912-A**  
 12 Points—135 Degrees—Visibility 3 Miles—Clear Lens

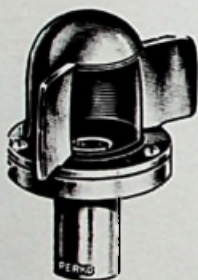


Fig. 912-A

**ANCHOR OR RANGE LIGHT — Fig. 913-A**  
 32 Points—360 Degrees—Visibility 3 Miles—Clear or Amber Lens

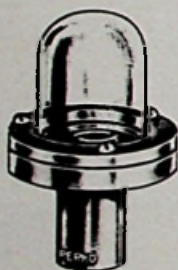


Fig. 913-A

Fig.	Bronze Each	Chromium Plated Each	Height Lens Inches	Weight Each Pounds
911-A	\$8.50	\$11.25	2 1/8	1 1/8
912-A	8.50	11.25	2 1/8	1 1/8
913-A	6.50	8.00	2 1/8	7/8

Fig.	Height Light Inches	Diameter Neck Inches	Diameter Flange Inches	Length Neck Inches
911-A	2 1/2	7/8	2 5/8	1-3/16
912-A	2 1/2	7/8	2 5/8	1-3/16
913-A	2 3/8	7/8	2 5/8	1-3/16

Spare Globes—Clear, Red, Green or Amber Fig. 186-P \$ .95 each

Spare D.C. Sockets, Fig. 52, \$.50 each.

NOTE—The above globes are large enough to accommodate a 21 C.P. bulb. Laboratory field tests met the required distance of visibility with 6 C.P. bulbs.

**MOUNTING BASE — Fig. 938**  
 For International Lights—Brass



Fig. 938

Has 1/2 inch male pipe thread for use with lights on this page and on page 14. Height to bottom of thread is 7/8 inches. Weight is 5 pounds.

Each	Chromium Plated Each	Diam. Overall Inches
\$1.75	\$2.25	2 3/8

**NEW STERN LIGHT — Fig. 939**  
 For Mounting in Transom—12 Points—135 Degrees—Visibility 3 Miles—Cast Bronze—Plain or Chromium Plated

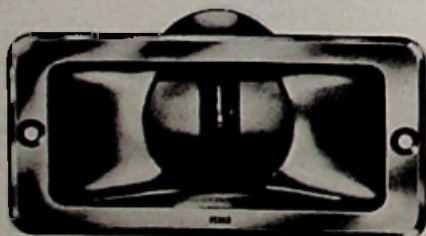


Fig. 939

Made in accordance with U.S.C.G. Requirements and International rules. Ideal for the fisherman who wants an uncluttered after-deck. Bulb supplied is 12 volt, 15 C.P. . . . It is not a special type—but a new type, long life bulb readily available in auto supply stores. Used as standard equipment by one of the largest manufacturers of automobiles.

Plain Bronze Each	Chromium Plated Each	Dimensions Overall Inches	Depth Inches	Weight Pounds
\$6.25	\$8.75	5 1/4 x 2 3/8	1 1/2	3/4

Spare Bulb \$.50 each.

**STAINLESS STEEL INTERNATIONAL NAVIGATION LIGHTS**

18-8 No. 304 Stainless Steel—Polished—With Screws—Shielded to U.S.C.G. Visibility Requirements, Revised Rules of Motorboat Act. Effective June 4, 1956 Public Law 552. Legal for All Types of Boats—Under 65 Feet in Length and Under 40 Gross Tons For Use on Inland and International Waters. Electric Double Contact Bayonet Type Socket. Height of Light  $1\frac{3}{8}$ " ... Diameter of light base  $2\frac{1}{4}$ " ... Diameter of Neck  $\frac{3}{4}$ " ... Length of Neck  $\frac{7}{8}$ " ... Weight of each Light ... 3 ounces.

**SIDE LIGHTS — Fig. 962**  
 10 Points— $112\frac{1}{2}$  Degrees—Visibility 2 Miles—Colored Lenses

For mounting on side of deck house or hull.

\$9.00 Per Pair

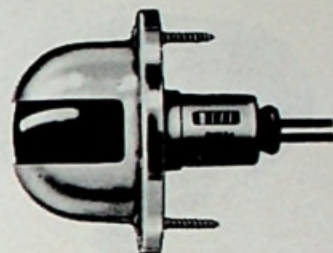


Fig. 962

**SIDE LIGHTS — Fig. 963**  
 10 Points— $112\frac{1}{2}$  Degrees—Visibility 2 Miles—Colored Lenses

For mounting on deck or top of deck house.

\$9.00 Per Pair

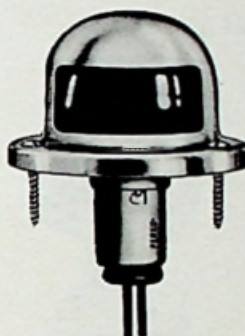


Fig. 963

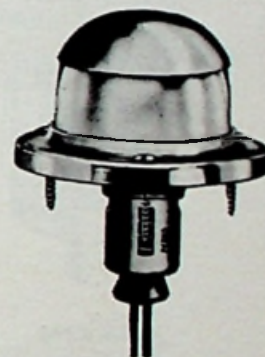


Fig. 964

**BOW OR MASTHEAD LIGHT — Fig. 964**  
 20 Points—225 Degrees—Visibility 3 Miles—Clear Lens

\$4.50 Each

**STERN LIGHT — Fig. 965**  
 12 Points—135 Degrees—Visibility 3 Miles—Clear Lens

\$4.50 Each

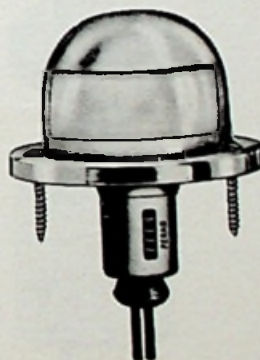


Fig. 965

**ANCHOR LIGHT — Fig. 966**  
 32 Points—360 Degrees—Visibility 3 Miles—Clear Lens

\$6.25 Each

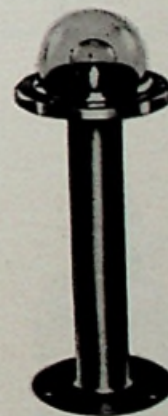


Fig. 966

Spare Globes, Clear, Red or Green (Fig. 74-P) \$.60 Each  
 Spare D.C. Sockets (Fig. 52) \$.50 Each

## ZAMAK INTERNATIONAL NAVIGATION LIGHTS

Zamak Die Castings—Chromium Plated—Watertight—Shielded to U.S.C.G. Visibility Requirements, Revised Rules of Motorboat Act. Effective June 4, 1956—Public Law 552. Legal For All Types of Boats—Under 65 Feet in Length and Under 40 Gross Tons. For Use on Inland and International Waters. Electric—Double Contact Bayonet Type Sockets—Neck Has 1/2 Inch Female Pipe Thread For Mounting On Pipe. Base Drilled for Wood Screws for Mounting Directly to Deck, Cabin Top and Cabin Sides.

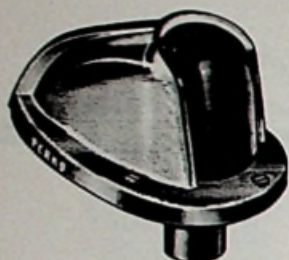


Fig. 1278

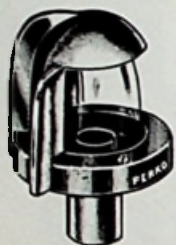


Fig. 1279



Fig. 1280

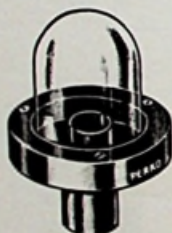


Fig. 1281

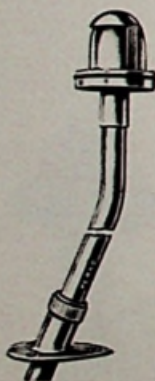


Fig. 1282



Fig. 1283

### SIDE LIGHTS — Fig. 1278

10 Points—112½ Degrees—Visibility 2 Miles—Colored Lenses 1 Red and 1 Green

### BOW OR MASTHEAD LIGHTS — Fig. 1279

20 Points—225 Degrees—Visibility 3 Miles—Clear Lens

### STERN LIGHTS — Fig. 1280

12 Points—135 Degrees—Visibility 3 Miles—Clear Lens

Fig.	Per Pair	Each	Length Overall Inches	Width Overall Inches	Weight Pounds	Weight Per Pair Pounds
1278	\$13.50		4 7/8	2 5/8		2 1/4
1279		\$6.75			1	
1280		6.75			1	

Fig.	Height Lens Inches	Height Light Inches	Diam. Flange Inches	Diam. Neck Inches	Length Neck Inches
1278	2 1/8			7/8	1-3/16
1279	2 1/8	2 1/2	2 5/8	7/8	1-3/16
1280	2 1/8	2 1/2	2 5/8	7/8	1-3/16

### ANCHOR OR RANGE LIGHTS — Fig. 1281

32 Points—360 Degrees—Visibility 3 Miles—Clear or Amber Lens

Each	Height Lens Inches	Height Light Inches	Diam. Flange Inches	Diameter Neck Inches	Length Neck Inches	Weight Pounds
\$6.00	2 1/8	2 3/8	2 5/8	7/8	1 3/16	3/8

### ADJUSTABLE LIGHTS

#### Fig. 1282 Bow Light & Fig. 1283 Stern Light

When boats of classes A or 1 operate in international waters, the rules require a 225 degree 20 point clear bow light mounted 36 inches higher than the combination red and green light forward. Also a 135 degree 12 point clear stern light aft. Height is 36 inches

Zamak Chromium Plated Each	Height Lens Inches	Dimensions Base Inches	Weight Pounds
\$12.50	2 1/8	3 3/8 x 2 1/4	2 3/4

NOTE—The above globes are large enough to accommodate a 21 C.P. bulb. Laboratory field tests met the required distance of visibility with 6 C.P. bulbs.

Mounting base for Figs. 1279, 1280, 1281 see Fig. 938 on preceding page.

Spare globes—Clear, Red, Green or Amber Fig. 186-P \$.95 each

Spare D.C. Sockets Fig. 52, \$.50 each

**PERKO INTERNATIONAL NAVIGATION LIGHTS**

Shielded To U.S.C.G. Visibility Requirements, Revised Rules Of Motor Boat Act. Effective June 4, 1956—Public Law 552. Legal For All Types Of Boats Under 65 Feet In Length And Under 40 Gross Tons. For Use On Inland And International Waters

**STREAMLINE WATERTIGHT TYPE**

Patent No. 2,908,807

Zamak Die Castings—Chromium Plated—Watertight Fresnel Globe With Packing Gland At Socket And Cable Entrance—Electric—Double Contact Bayonet Type Socket

**SIDE LIGHTS — Fig. 1285**

10 Points—112½ Degrees—Minimum Visibility 2 Miles—Colored Lenses: 1 Red, 1 Green

Chromium Plated Per Pair	Length Overall Inches	Height Overall Inches	Weight Per Pair Pounds
\$19.00	7 1/8	3	3

Spare D.C. Socket Fig. 52 \$.50 Each.

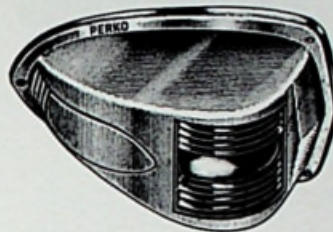


Fig. 1285

**BOW LIGHT — Fig. 1286**

20 Points—225 Degrees—Minimum Visibility 3 Miles—Clear Lens

Chromium Plated Each	Length Overall Inches	Width Overall Inches	Height Overall Inches	Weight Pounds
9.00	6 1/4	3 3/8	3 1/2	1 1/4

Spare D.C. Socket Fig. 52 \$.50 Each.

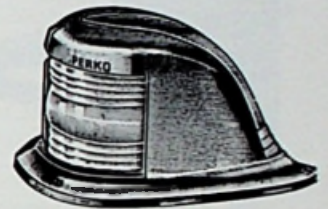


Fig. 1286



Fig. 258

**WATERTIGHT FRESNEL GLOBE — Fig. 258**

Clear Each	Red or Green Each	Height Inches	Width Inches	Weight Ounces
\$2.50	\$3.00	2 3/4	2 3/8	6

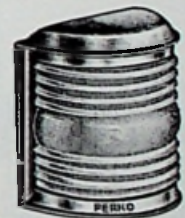


Fig. 98

**INTERNATIONAL LIGHTS**

Fig. 98 Bow Light & Fig. 99 Stern Light Electric Only—Double Contact Electric Socket—Clear Fresnel Lens—Visibility 3 Miles

Fig.	Galv. Each	Polished Brass Each	Chromium Plated Each	Height Lens Inches	Height Overall Inches	Weight Pounds
98	\$9.50	\$11.00	\$13.75	4 1/4	5 1/4	1 1/2
99	8.50	10.00	12.75	4 1/4	5 1/4	1 1/2

With medium screw socket—add \$.75 each.



Fig. 99

STERN LIGHT

12 Points—135 Degrees

BOW LIGHT  
20 Points—225 Degrees

**INTERNATIONAL LIGHTS**

Fig. 176 Bow Light & Fig. 97 Stern Light Wrought Brass—Oil Only—Clear Fresnel Lens—Visibility 3 Miles

Fig.	Polished Brass Each	Chromium Plated Each	Height Lens Inches	Height Overall Inches	Weight Pounds
176	\$12.50	\$15.50	4 1/4	10 1/2	3 1/2
97	11.50	14.50	4 1/4	10 1/2	3

Oil and double contact electric—add \$1.75 each.  
Oil and medium screw electric—add \$2.75 each.

Fig. 176

BOW LIGHT

20 Points—225 Degrees

Fig. 97

STERN LIGHT

12 Points—135 Degrees



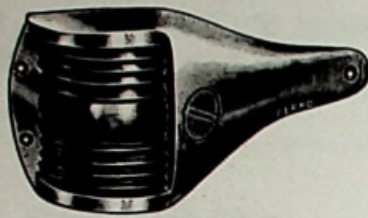


Fig. 563

**STREAMLINE SIDE LIGHTS — Fig. 563**

Cast Bronze — Classes 2 and 3 — Electric — Rebulbing Feature — Red and Green Fresnel Lenses — Double Contact Electric Socket —

Class	Polished Bronze Per Pair	Chromium Plated Per Pair	Spare Lenses Each	Spare Sockets Each
2	\$40.00	\$42.50	\$3.45	\$ .60
3	45.00	48.00	4.35	.60

Class	Height Inches	Length Inches	Height Lens Inches	Weight Per Pair Pounds
2	4 $\frac{1}{4}$	10 $\frac{1}{4}$	4 $\frac{1}{4}$	5 $\frac{1}{2}$
3	6	10 $\frac{1}{2}$	5 $\frac{1}{8}$	7 $\frac{1}{2}$

Spare Lenses, see Fig. 259

Spare D.C. Sockets, see Fig. 747, No. 1.

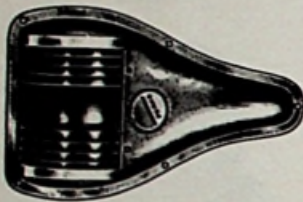


Fig. 1138

**STREAMLINE SIDE LIGHTS — Fig. 1138**

Wrought Brass—Class 2—Electric—Rebulbing Feature—Red and Green Fresnel Lenses—Double Contact Electric Socket

Bright Finish Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Spare Lenses Each	Spare Sockets Each
\$22.75	\$25.50	\$31.00	\$3.45	\$ .60

Extreme Height Inches	Extreme Length Inches	Height Lens Inches	Weight Per Pair Pounds
6 $\frac{3}{4}$	9 $\frac{1}{4}$	4 $\frac{1}{4}$	3 $\frac{1}{4}$

Spare Lenses, see Fig. 259

Spare D.C. Sockets, see Fig. 747, No. 1.



Fig. 561

**STREAMLINE BOW LIGHT — Fig. 561**

Cast Bronze — Classes 2 and 3 — Electric — Clear Fresnel Lens — Double Contact Electric Socket — With Flag Pole Socket

Class	Polished Bronze Each	Chromium Plated Each	Spare Lenses Each	Spare Sockets Each
2	\$28.00	\$29.50	\$3.45	\$ .90
3	43.75	45.50	4.35	.90

Class	Height Inches	Size Base Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
2	5 $\frac{1}{4}$	5 $\frac{3}{4}$ x 11 $\frac{1}{2}$	4 $\frac{1}{4}$	1	7
3	6 $\frac{1}{4}$	6 $\frac{1}{4}$ x 13	5 $\frac{1}{8}$	1	8 $\frac{1}{4}$

Spare Lenses, see Fig. 260.

Spare D.C. Sockets, see Fig. 747, No. 7.



Fig. 1139

**STREAMLINE BOW LIGHT — Fig. 1139**

Wrought Brass — Class 2 — Electric — Clear Fresnel Lens — Double Contact Electric Socket

Bright Finish Each	Polished Brass Each	Chromium Plated Each	Spare Lenses Each	Spare Sockets Each
\$16.25	\$17.75	\$20.00	\$3.45	\$ .90

Height Inches	Size Base Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
5 $\frac{1}{4}$	5 $\frac{3}{4}$ x 9 $\frac{1}{2}$	4 $\frac{1}{4}$	1	2

Spare Lenses, see Fig. 260. Spare D.C. Sockets, see Fig. 747, No. 7.

With Flag Pole Socket Add \$1.25 Each. Furnished without Flag Pole Socket unless otherwise specified.

Spare rebulbing features for all above lights: Polished \$2.50 Each; Chromium Plated \$3.00 Each. Lights on this page cannot be supplied with medium screw socket.



**ROYAL COMBINATION BOW LIGHT — Fig. 89**

Electric Only — Double Contact — Red and Green  
Fresnel Lenses

	Galv. Each	Polished Brass Each	Chromium Plated Each	Height Inches	Width Inches	Height Lens Inches	Weight Pounds
	\$8.50	\$10.25	\$12.25	3¼	4¼	3⅝	1¼

Spare Lenses, see Fig. 259, Cl. 1.

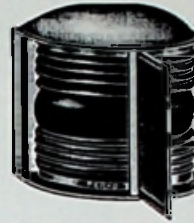


Fig. 89

**ROYAL SIDE LIGHTS — Fig. 91**

Electric Only — Double Contact — Red and Green  
Fresnel Lenses

Class	Galv. Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Height Inches	Height Lens Inches	Weight Per Pair Pounds
1	\$12.50	\$16.30	\$20.50	4¼	3⅝	1¾
2	13.20	16.75	21.00	5	4¼	2
3	15.25	19.00	23.00	6	5⅝	3

Spare Lenses, see Fig. 259.



Fig. 91

**ROYAL BOW LIGHT — Fig. 92**

Electric Only — Double Contact — Clear Fresnel Lens

Class	Galv. Each	Polished Brass Each	Chromium Plated Each	Height Inches	Height Lens Inches	Weight Pounds
1	\$6.25	\$8.15	\$10.25	4¼	3⅝	1
2	6.60	8.40	10.50	5	4¼	1½
3	7.60	9.50	11.50	6	5⅝	2

Spare Lenses, see Fig. 260.



Fig. 92

All above lights with medium screw adapter, Fig. 153, add \$1.00 Each.

**DE-LITE SIDE LIGHTS — Fig. 504**

Cast Bronze — Front Doors — Red and Green Fresnel Lenses — Electric Only — Double Contact

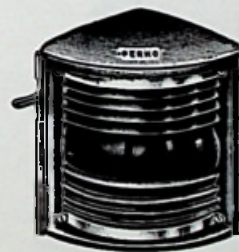
A quick change of bulb or lens is simple. Lenses are fastened in doors by brass straps and machine screws. Doors have positive latch which cannot work loose due to vibration or wind.

Class	Polished Bronze Per Pair	Chromium Plated Per Pair	Spare Lenses Each	Spare Sockets Each
2	\$29.00	\$34.00	\$3.45	\$.95
3	34.00	40.00	4.35	.95

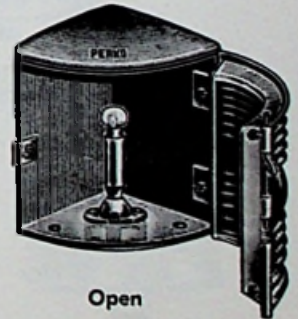
  

Class	Height Inches	Angle Inches	Height Lens Inches	Weight Per Pair Pounds
2	5½	3¼ x 3¼	4¼	6½
3	6	4 x 4	5⅝	8

With medium screw sockets, add \$3.50 per pair. Spare D.C. Sockets, see Fig. 276, No. 0. Spare lenses, see Fig. 259. With clear lens, Class 2 only, add \$2.00 per pair.



Closed



Open

Fig. 504

**DE-LITE BOW LIGHT — Fig. 505**

Cast Bronze — Front Doors — Clear Fresnel Lens — Electric Only — Double Contact

Same construction as Fig. 504 above.

Class	Polished Bronze Each	Chromium Plated Each	Spare Lenses Each	Spare Sockets Each
2	\$14.50	\$17.00	\$3.45	\$.95
3	17.00	20.00	4.35	.95

Class	Height Inches	Width Inches	Height Lens Inches	Weight Pounds
2	5½	5½	4¼	3¼
3	6½	6	5⅝	4¼

With medium screw sockets, add \$1.75 each. Spare D.C. Sockets, see Fig. 276, No. 0. Spare lenses, see Fig. 260. With colored lens, Class 2, add \$1.75 each. With colored lens, Class 3, add \$2.50 each. Colored lenses are Red, Green, Blue or Amber.



Fig. 505



Fig. 0-2 Junior



Fig. 0-6 Senior

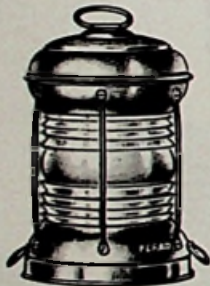


Fig. 11 Junior  
Fig. 12 Senior



Fig. 596



Fig. 596A

**ANCHOR LIGHT — Fig. 0-2 Junior**  
Turret Top — Removable Guards — Oil or Electric — Clear Fresnel Lens

Galvanized Each	Polished Brass Each	Chromium Plated Each	Height Less Ring Inches	Diam. Base Inches	Height Lens Inches	Weight Pounds
\$10.00	\$12.50	\$15.50	8 <sup>5</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>	3-5/16	2

Combination Oil and Electric, add \$1.75 each.

**ANCHOR LIGHT — Fig. 0-6 Senior**  
Turret Top — Removable Guards — Oil or Electric — Clear Fresnel Lens

Height Less Ring Inches	Diam. Base Inches	Height Lens Inches	Weight Pounds	Galvanized Each	Polished Brass Each	Chromium Plated Each
11 <sup>3</sup> / <sub>4</sub>	5 <sup>5</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>4</sub>	3	\$12.00	\$14.50	\$17.50

Combination Oil and Electric, Add \$1.75 Each

**ANCHOR LIGHTS — Fig. 11 Junior & Fig. 12 Senior**  
Flat Top — Removable Guards — Electric Only — Double Contact Socket — Clear Fresnel Lens

Fig.	Galvanized Each	Polished Brass Each	Chromium Plated Each	Height Less Ring Inches	Diam. Base Inches	Height Lens Inches	Weight Pounds
11	\$10.00	\$12.50	\$15.50	6	4 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	1 <sup>1</sup> / <sub>2</sub>
12	12.00	14.50	17.50	9	5 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>2</sub>	2 <sup>1</sup> / <sub>2</sub>

With Red, Green, Blue or Amber Lens: Figs. 0-2 and 11, add \$2.25 each; Figs. 0-6 and 12, add \$2.60 each. All above lights with medium screw electric sockets, add \$1.00 each.

**SPARE PARTS**

Part	Each
Lenses, fig. 261, Clear, for figs. 0-2 and 11	\$2.50
Lenses, fig. 261, Clear, for figs. 0-6 and 12	3.35
Oil Founts, fig. 287, Brass, for fig. 0-2	2.30
Oil Founts, fig. 286, Brass, for fig. 0-6	2.30
Oil and Electric Founts, fig. 735, for fig. 0-2	5.00
Oil and Electric Founts, fig. 736, for fig. 0-6	5.00
Oil Burners, fig. 246, No. 0, Brass, for fig. 0-2	.90
Oil Burners, fig. 246, No. 1, Brass, for fig. 0-6	.90

**10-DAY OIL ANCHOR LIGHT — Fig. 596**  
360 Degree Clear Fresnel Lens — Latched Swivel Fount

At least 10 days of continuous light on one filling of good grade kerosene. Wick is non-carbonizing type.

Polished Brass Each	Height Lens Inches	Height Overall Inches	Diam. Fount Inches	Capacity Fount Pints	Weight Pounds
\$28.50	4 <sup>1</sup> / <sub>2</sub>	14	7	3 <sup>1</sup> / <sub>2</sub>	4 <sup>1</sup> / <sub>2</sub>

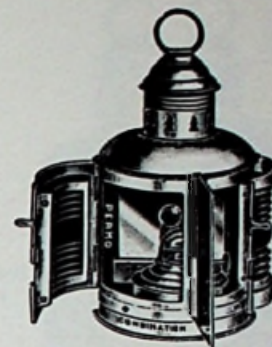
With Red, Green, Blue or Amber lens, add \$2.60 each. Fig. 596-A Fount complete \$14.25 each. Light only less Fount, \$17.00 each. Spare burners, wicks and chimneys, see Figs. 245 and 272. Spare lenses, see Fig. 261.

**DE-LITE COMBINATION BOW LIGHT — Fig. 0-1**  
**Turret Top — Front Door — Class 1 — Oil and Electric —**  
**Double Contact — Red and Green Fresnel Lenses**

Galvanized Each	Polished Brass Each	Chromium Plated Each	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds
\$14.25	\$16.75	\$21.00	9 3/8	5x5 1/2	3-5/16	3 3/8



(Closed)



(Opened)

Fig. 0-1

**DE-LITE COMBINATION BOW LIGHT — Fig. 0-10**  
**Flat Top — Front Door — Electric Only — Double**  
**Contact Sockets — Red and Green Fresnel Lenses**

Galvanized Each	Polished Brass Each	Chromium Plated Each	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds
\$14.25	\$16.75	\$21.00	6 1/2	5x5 1/2	3-5/16	3

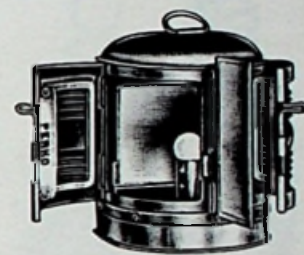
**COMBINATION BOW LIGHT — Fig. 1**  
**Turret Top — Bottom Opening — Red and Green**  
**Fresnel Lenses — Oil or Electric**

Galvanized Each	Polished Brass Each	Chromium Plated Each	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds
\$11.00	\$13.75	\$17.50	9	4 3/4 x 4 1/2	3-5/16	2 5/8

Oil and Electric, add \$1.00 to above prices.



(Closed)



(Opened)

Fig. 0-10

**COMBINATION BOW LIGHT — Fig. 3**  
**Flat Top — Bottom Opening — Red and Green Fresnel**  
**Lenses — Electric Only — Double Contact Socket**

Galvanized Each	Polished Brass Each	Chromium Plated Each	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds
\$11.00	\$13.75	\$17.50	6 1/4	4 3/4 x 4 1/2	3-5/16	2



Fig. 1

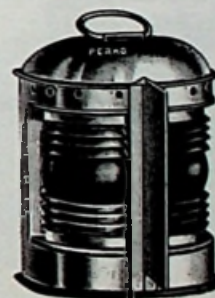


Fig. 3

**SAIL BOAT SIDE LIGHTS — Fig. 69**  
**Small Size — Oil Burning —**  
**Red and Green Fresnel Lenses**

Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Height Lens Inches	Extreme Height Inches	Diam. of Base Inches	Weight Per Pair Pounds
\$17.50	\$22.00	\$29.50	3 3/4	9	4 1/4	4

Oil and Electric with Fig. 735 Fount, add \$3.50 per pair. Electric socket is bayonet double contact. Spare lenses, see Fig. 259 Class 1. Spare Founts, see Figs. 287 or 735. Spare burners and wicks, see Figs. 246 and 302 No. 0.

All lights on this page with medium screw electric sockets, add \$1.00 each.

**SPARE PARTS**

	EACH
Lenses, Fig 259, Class 1 Combination	\$2.50
Oil Founts, Fig. 582, Brass, for Fig. 01	2.30
Oil Founts, Fig. 733, Brass, for Fig. 1	2.30
Oil and Electric Founts, Fig. 733, Brass, for Fig. 1	5.00
Oil Burners, Fig. 246, No. 0, Brass	\$ .90
Oil Wicks, Fig. 302, No. 0	.07
Electric Sockets, Double Contact, Fig. 276, No. 2	.95
Electric Sockets, Medium Screw, Fig. 346, No. 1	.70



Fig. 69



Fig. 0-4

(Closed)



(Opened)

**DE-LITE SIDE LIGHTS – Fig. 0-4**

**Turret Top—Class 2—Red and Green Fresnel Lenses—Oil and Electric—Double Contact Sockets**

Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Per Pair Pounds
\$24.50	\$30.00	\$38.50	10½	5¼x5¼	4¼	6¼

**DE-LITE BOW LIGHT – Fig. 0-5**

**Turret Top—Class 2—Clear Fresnel Lens—Oil and Electric—Double Contact Socket**

Galvanized Each	Polished Brass Each	Chromium Plated Each	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds
\$12.25	\$15.00	\$19.25	10½	5x5½	4¼	3

With Red, Green, Blue or Amber Lens, add \$2.50 each.

**DE-LITE SIDE LIGHTS – Fig. 0-40**

**Flat Top—Class 2—Electric Only—Double Contact Socket—Red and Green Fresnel Lenses**

Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Per Pair Pounds
\$24.50	\$30.00	\$38.50	7¼	5⅛x5⅛	4¼	5½

**DE-LITE BOW LIGHT – Fig. 0-50**

**Flat Top Class 2—Electric Only—Double Contact Socket—Clear Fresnel Lens**

Galvanized Each	Polished Brass Each	Chromium Plated Each	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds
\$12.25	\$15.00	\$19.25	7⅜	5x5½	4¼	2¾

With Red, Green, Blue or Amber Lens, Add \$2.50 each.

All lights on this page with medium screw electric sockets, add \$1.00 each.

**SPARE PARTS**

	Each
Lenses, fig. 259, Class 2, for figs. 0-4 and 0-40	\$3.45
Lenses, fig. 260, Class 2, for figs. 0-5 and 0-50	3.45
Oil Founts, fig. 582, Brass, for figs. 0-4 and 0-5	2.30
Oil Burners, fig. 246, No. 1, Brass for figs. 0-4 and 0-5	.90
Oil Wicks, fig. 302, No. 1	.08
Electric Sockets, Double Contact, fig. 276, No. 2	.95
Electric Sockets, Medium Screw, fig. 346, No. 1	.70



(Closed)



(Opened)

Fig. 0-5



(Opened)



(Closed)

Fig. 0-40



(Opened)



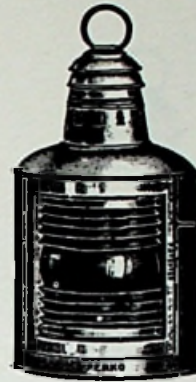
(Closed)

Fig. 0-50

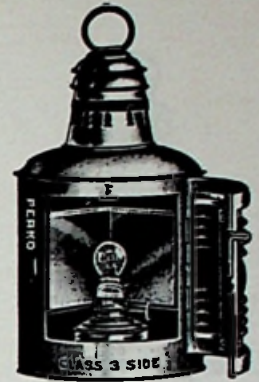
**DE LITE SIDE LIGHTS — Fig. 0-8**

**Turret Top—Class 3—Oil and Electric—Double Contact Socket—Red and Green Fresnel Lenses**

Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Per Pair Pounds
\$28.50	\$34.50	\$44.00	12 1/4	5 5/8 x 5 5/8	5-3/16	8



(Closed)



(Opened)

Fig. 0-8

**DE-LITE BOW LIGHT — Fig. 0-9**

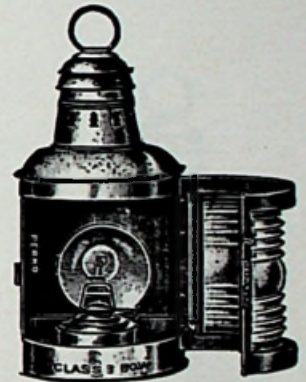
**Turret Top—Class 3—Oil and Electric—Double Contact Socket—Clear Fresnel Lens**

Galvanized Each	Polished Brass Each	Chromium Plated Each	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds
\$14.25	\$17.25	\$22.00	12 1/4	5 1/2 x 6 1/8	5-3/16	4

With Red, Green or Blue Lens, Add \$3.00 Each



(Closed)



(Opened)

Fig. 0-9

**DE-LITE SIDE LIGHTS — Fig. 0-80**

**Flat Top—Class 3—Electric Only—Double Contact Socket—Red and Green Fresnel Lenses**

Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Per Pair Pounds
\$28.50	\$34.50	\$44.00	8 1/2	5 5/8 x 5 5/8	5-3/16	7



(Closed)



(Opened)

Fig. 0-80

**DE LITE BOW LITE — Fig. 0-90**

**Flat Top—Class 3—Electric Only—Double Contact Socket—Clear Fresnel Lens**

Galvanized Each	Polished Brass Each	Chromium Plated Each	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds
\$14.25	\$17.25	\$22.00	8 1/2	5 1/2 x 6 1/8	5-3/16	4

With Red, Green or Blue Lens, Add \$3.00 Each



(Closed)



(Opened)

Fig. 0-90

All lights on this page with medium screw socket, add \$1.00 each.

**SPARE PARTS**

	Each
Lenses, fig. 259, Class 3, for figs. 0-8 and 0-80	\$4.35
Lenses, fig. 260, Class 3, for figs. 0-9 and 0-90	4.35
Oil Founts, fig. 582, Brass, for figs. 0-8 and 0-9	2.30
Oil Burners, fig. 246, No. 1, Brass, for figs. 0-8 and 0-9	.90
Oil Wicks, fig. 302, No. 1	.08
Electric Sockets, Double Contact, fig. 276, No. 3	.95
Electric Sockets, Medium Screw, fig. 346, No. 1	.70



Fig. 17



Fig. 18

**CLASS 2 SIDE LIGHTS — Fig. 17**

**Red and Green Fresnel Lenses—Turret Top—Bottom Opening—Spring Fount—Oil or Electric**

Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Extreme Height Inches	Base Dimensions Inches	Height Lens Inches	Weight Per Pair Pounds
\$19.50	\$23.00	\$30.00	10½	4¾x5½	4¼	5½

Combination Oil and Electric, add \$3.50 per pair to above prices

**CLASS 2 BOW LIGHT — Fig. 18**

**Clear Fresnel Lens—Turret Top—Bottom Opening — Spring Fount—Oil or Electric**

Galvanized Each	Polished Brass Each	Chromium Plated Each	Extreme Height Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds Each
\$9.75	\$11.50	\$15.00	10½	4½x5	4¼	3

Combination Oil and Electric, Add \$1.75 Each.

With Red, Green, Blue or Amber Lens, Add \$2.50 Each.



Fig. 19



Fig. 20

**CLASS 3 SIDE LIGHTS — Fig. 19**

**Red and Green Fresnel Lenses—Turret Top—Bottom Opening—Spring Fount—Oil or Electric**

Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Extreme Height Inches	Base Dimensions Inches	Height Lens Inches	Weight Per Pair Pounds
\$23.00	\$29.00	\$37.00	12½	5x6¼	5-3/16	7½

Combination Oil and Electric add \$4.00 per pair.

**CLASS 3 BOW LIGHT — Fig. 20**

**Clear Fresnel Lens—Turret Top—Bottom Opening —Spring Fount— Oil or Electric**

Galvanized Each	Polished Brass Each	Chromium Plated Each	Extreme Height Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds Each
\$11.50	\$14.50	\$18.50	12½	5½x6¼	5-3/16	3½

Combination Oil and Electric, Add \$2.00 each

With Red, Green, Blue or Amber Lens, Add \$3.00 Each.

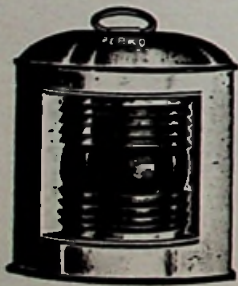


Fig. 4



Fig. 5

**FLAT TOP SIDE LIGHTS — Fig. 4**

**Classes 2 & 3—Red and Green Fresnel Lenses—Bottom Opening—Spring Fount—Electric Only—Double Contact Socket**

Class	Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Extreme Height Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds Per Pair
2	\$19.50	\$23.00	\$30.00	7¼	4¾x5½	4-1/4	5
3	23.00	29.00	37.00	8½	5 x6¼	5-3/16	7

**FLAT TOP BOW LIGHT — Fig. 5**

**Classes 2 & 3—Clear Fresnel Lens—Bottom Opening —Spring Fount—Electric Only—Double Contact Socket**

Class	Galvanized Each	Polished Brass Each	Chromium Plated Each	Extreme Height Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds Each
2	\$ 9.75	\$11.50	\$15.00	7¼	4½x5	4-1/4	2½
3	11.50	14.50	18.50	8½	5½x6¼	5-3/16	3¼

With Red, Green, Blue or Amber Lens: Class 2 Add \$2.50 Each; Class 3 Add \$3.00 Each.

All lights on this page with medium screw electric sockets, add \$1.00 each.

**SPARE PARTS**

- Electric Adapters, figs. 291 or 292
- Electric D.C. Adapters, fig. 355
- Oil Burners and Wicks, figs. 246 and 302 No. 1
- Oil and Electric Founts fig. 736
- Oil Founts, fig. 286
- Lenses, figs. 259 and 260

**21-DAY BATTERY ANCHOR LIGHT — Fig. 48**

All Brass—With Switch and Bulb—  
Switch Enclosed in Watertight Cover

500 hours of continuous light on one battery.  
Uses ordinary 1½ volt dry cell such as Eveready No. 6 or equal. Bulb is Fig. 53, 1.35 volts.

Polished Brass Each	Chromium Plated Each	Height Inches	Diam. Base Inches	Weight Pounds
\$16.50	\$19.25	10½	3	1¼

With battery, add \$2.50 each.  
With red, green or blue globe, add \$.60 each.  
Spare globes, see Fig. 250.  
Spare bulbs, \$.40 each.



Fig. 48

**60-DAY BATTERY FLASHER LIGHT — Fig. 41**

All Brass—Watertight Switch—Clear Globe

Polished Brass, ea.	Height	Base Diameter	Weight
\$37.50	9"	4"	1 lb. 10 oz.

Approximately 55 flashes per minute. Standard lantern batteries such as Eveready No. 2746 or Burgess F-4-BP supply the current.

Price does not include battery.  
With colored globe, red or green, add \$.60 each.



Fig. 41

**OIL SIGNAL LIGHT — Fig. 44**

With Clear Globe

No.	Diam. Globe Inches	Galvanized Steel Each	Polished Brass Each	Height Overall Inches	Weight Pounds
1	6	\$17.50	\$26.50	11	3
2	8	20.50	31.00	14½	6
3	10	36.75	49.50	17¾	8½

Distress Light With Red Globe, Add \$5.00 Each  
Also available with green, blue or white frosted globe—  
Same price as red. Electric same price as oil  
Hinged bottom furnished with 8 Inch size only. Nos. 1 and 3 sizes not available with green globe.

**SPARE PARTS**

Size	Globes	Burners	Founts	
			Oil	Elec.
6	Fig. 264	Fig. 246 No. 0	Fig. 287	Fig. 274
8	Fig. 264	Fig. 246 No. 1	Fig. 286	Fig. 292
10	Fig. 264	Fig. 242 No. 2	Fig. 282	Fig. 288



Fig. 44

**20 DAY SELF-CONTAINED BATTERY UNIT — Fig. 36**  
For Navigation Light With Bulb and Watertight Switch

Uses 4 regular No. 6 Dry cell and 2.9 Volt, 1.5 amp Double Contact bulb. Will operate for about 480 hours on one set of batteries.

For the conversion of oil or electric Navigation Lights to self-contained battery operated lights.

No.	Galvanized Each	Diam. Battery Case Inches	Height Battery Case Inches	For Light Size No.	Weight Pounds
1.	\$29.00	6¾	7¾	0-1	2¾
2.	31.00	6¾	7¾	2-3	3

For all lights on pages 27, 28 & 29. Also Fig. 59 on page 34 and Figs. 50 & 80 on page 36.



Fig. 36

**TRI-COLOR TRAWLER LIGHTS — Fig. 408**

Electric Only—Medium Screw Socket—45 Degree Clear Fresnel Lens—4 Point  
90 Degree Red and Green Fresnel Lenses 8 Point

No.	Galvanized Each	Spare Lenses Each	Height Inches	Height Lenses Inches	Weight Pounds
0	\$35.00	\$4.25	8½	5-3/16	3½
1	71.00	6.50	11½	6-3/4	9

Note, Size No. 1 generally used on Trawlers larger than 75 feet.

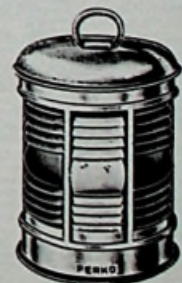


Fig. 408

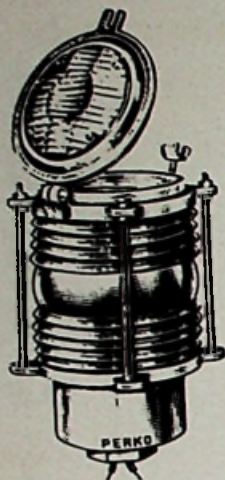


Fig. 494

**VISIBLE SIGNAL WHISTLE LIGHTS — Fig. 494**

**Cast Bronze Body With Amber Or Clear Lenses  
Watertight — Plain Finish**

Flashes Brilliant Light in Unison With Whistle Signal  
Medium Screw Electric Socket, Hinged Cover for Rebulbing

The extraordinary intensity of the light makes it clearly visible even in bright sunshine, and at night it can be seen far beyond the reaches of the audible whistle. In crowded harbors and even at sea, the audibility of whistle blasts is often limited by inclement weather conditions or other noises. The resulting confusion can easily cause dangerous situations or collisions. Much of this can be eliminated by augmenting the audible whistle with visible signals.

The flashing light avoids possible confusion with regulation navigational lights, masthead lights, etc. Furthermore, since the light is hooked up with a switch connected to the whistle, it only flashes as the whistle cord is pulled.

Has a cylindrical fresnel lens which gives illumination for 360 degrees around the horizon. Another circular fresnel lens on top of the light beams rays skyward which reflect from the moisture in the atmosphere to provide a distinctive illuminated backdrop.

No.	Each	Height Lens Inches	Height Overall Inches	I. P. S. Thread Inches	Weight Pounds
3	\$60.00	5½	9¾	1	10

Please specify color otherwise amber will be shipped.

**MAST OR BLINKER SIGNALING LIGHTS — Fig. 403**

With Hinged Top For Rebulbing.

Cast Bronze — Watertight — Plain Finish With 360° Fresnel Lens



Fig. 403

Size No.	Height Lens Inches	Height Overall Inches	I. P. S. Thread Inches	Weight Pounds	For Vessel Feet
1	3¾	6¾	½	4	up to 65
2	4¼	8¼	¾	6	65 to 150
3	5½	9¾	1	10	over 150

Size No.	Clear Each	Each Colored	Electrical Equipment
1	\$24.00	\$25.00	1 medium screw socket
2	28.00	30.00	1 medium screw socket
2-B	35.00	37.00	6 light candelabra unit
2-C	32.00	34.00	1 mogul 3 wire socket
3	39.00	46.00	1 medium screw socket
3-A	45.00	52.00	4 medium screw sockets
3-C	47.00	54.00	6 light candelabra unit
3-D	43.00	50.00	1 mogul 3 wire socket

Shielded to 112½°, 135° or 225°, add \$10.00 each.

All above sockets are Phenolic (Bakelite).

For spare lenses, see fig. 261.

Colored lenses are red, green, blue or amber.

**BULBS FOR ABOVE**

- 120 Volt 60 Watt Fig. 340 clear for Nos. 1, 2, 3 \$.65 each.
- 120 Volt 25 Watt Fig. 340 clear for No. 3-A \$.75 each.
- 120 Volt 50/50 Watt Fig. 532 clear for Nos. 2-C, 3-D, \$8.50 each.
- 120 Volt 15 Watt Fig. 57 Clear with candelabra base for Nos. 2-B and 3-C \$.90 each.



Fig. 1163

**BLINKER AND LOADING LIGHT — Fig. 1163**

Cast Bronze — Plain Finish With Red And Clear Fresnel Lenses. Medium Screw Bakelite Sockets

Four sockets in lower section for 25 watt tubular bulbs. One socket in upper section for bulb up to 100 watt. Bulbs not included. Base threaded 1 inch I. P. S.

Each	Tubular Bulbs Each	Spare Sockets Each	Extreme Height Inches	Height Red Lens Inches	Height Clear Lens Inches	Weight Pounds
\$82.50	\$1.00	\$.75	17¾	5	5½	18

Spare red lens fig. 106, \$4.95 each.

Spare clear lenses fig. 261, \$9.60 each.



**WATERTIGHT BLINKER KEY — Fig. 9**

Cast Bronze Plain Finish — Tungsten Points — Condenser  
U.S.C.G. Approved

Condenser is metal encased, 400 volts D.C. 25 M.F.D.  
Ground test 2000 volts.

Cover sealed by 6 screws and rubber gasket. Box has  
three mounting lugs.

Each	Length Inches	Width Inches	Height Inches	Weight Pounds
\$35.00	4 $\frac{3}{4}$	2 $\frac{3}{4}$	2 $\frac{3}{4}$	4

Interior complete with Condenser, each \$15.00



Fig. 9

**TOWING OR SIGNAL LIGHTS — Figs. 540, 541 & 542**

All Cast Bronze — With Watertight Box  
Medium Screw Socket — Clear Fresnel Globes — Cast Bronze Guard  
Visibility 5 Miles Per U.S.C.G. Regulations

**SINGLE - DOUBLE AND TRIPLE LIGHTS**  
(Triple not illustrated)

Fig.		Each	Height Overall Inches	Width Overall Inches	Weight Pounds
540	Single	\$ 32.00	10 $\frac{1}{4}$	6 $\frac{3}{4}$	6 $\frac{3}{4}$
541	Double	\$ 74.50	46 $\frac{1}{2}$	6 $\frac{3}{4}$	16
542	Triple	\$118.00	82 $\frac{1}{2}$	6 $\frac{3}{4}$	25 $\frac{1}{2}$

Note: Double and triple Lights with  $\frac{1}{2}$  inch brass pipe, Lights 3 feet  
apart. Globe accommodates up to 2 $\frac{3}{8}$  inch diameter inclusive.

TAPPING Fig. 540 with one  $\frac{1}{2}$  inch pipe tap, add \$.50, with two  $\frac{1}{2}$  inch  
pipe taps, add \$1.00. Box will accommodate  $\frac{3}{4}$  inch pipe tap, if such  
tapping required, price on application.

Figs. 541 and 542 are tapped for the connecting pipe only. If additional  
taps required, see above.

Figs. 541 and 542 with  $\frac{3}{4}$  inch pipe or tapping for same, price on  
application.

SPARE GLOBES clear Fig. 106, \$3.60 each.

COLORED GLOBES can be supplied. Colors are red, green, blue or amber.  
Add \$1.35 for each globe.

SPARE GUARDS Cast Bronze. \$5.50 each.

SPARE SOCKETS Porcelain Fig. 222 No. 1, \$.90 each.

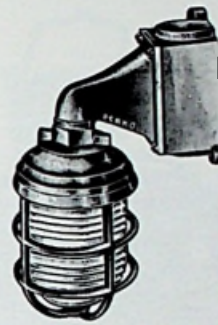


Fig. 540

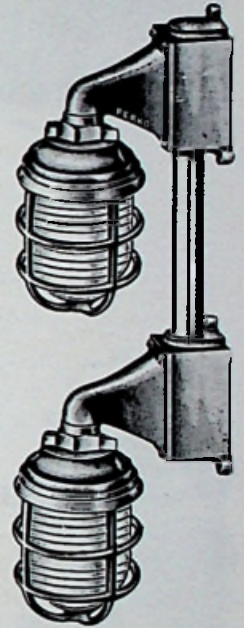


Fig. 541



Fig. 49



Fig. 46

**NAVY OR LIFE BOAT LANTERN — Fig. 49**

Oil Burning — Hinged Top — Clear Globe

Galvanized Each	Polished Brass Each	Height Inches	Diam. of Base Inches	Size of Globe Inches	Weight Pounds
\$11.50	\$14.00	11	5 $\frac{3}{8}$	4x6 $\frac{1}{2}$	3

With Red, Green, or Blue globe, add \$1.50 each.

With electric adapter fig. 292, add \$1.20 each.

**BULKHEAD LANTERN — Fig. 46**

Oil Burning

No.	Galv. Each	Polished Brass Each	Size Body Inches
1	\$30.00	\$40.00	7 x 9 $\frac{1}{2}$ x 13
2	32.00	42.00	9 x 13 x 17

Supplied for electric only with medium screw socket to  
order, add \$4.50 each.

Spare brass founts only, \$6.00 each.

Spare reflectors, \$5.50 each.

Spare burners, see Fig. 242 No. 2.

Spare chimneys, see Fig. 267 No. 2.

Spare electric adapters, see Fig. 58.

**ELECTRIC NAVIGATION LIGHTS FOR VESSELS OVER 65 FT. LONG**

**Watertight — Cast Bronze Rebulbing Cap — Terminal Tubes**

**MOGUL 3-WIRE PHENOLIC SOCKETS FIG. 270 FOR DOUBLE FILAMENT BULBS**



Fig. 1150



Fig. 1151

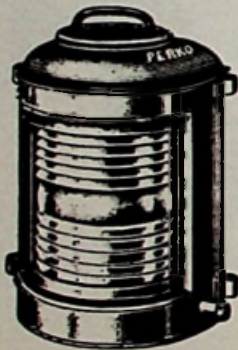


Fig. 1152



Fig. 1153  
Fig. 1154

**SIDE LIGHTS — Fig. 1150**

112½ Degree Red and Green Lenses

10 Point — In Pairs

With Bracket For Mounting

No.	Galvanized Steel Per Pair	Polished Brass Per Pair	Lens Fig. 259 Height Inches	Height Less Handle Inches	Size Base Inches	Weight Per Pair Pounds	For Size Vessel Feet
1	\$120.00	\$146.00	6¾	11	7¼ x 7¼	18	65 to 150
2	150.00	180.00	7½	13½	9½ x 9½	30	over 150
3	200.00	250.00	8½	15¼	10¾ x 10¾	36	over 150

**MASTHEAD, RANGE AND TOWING LIGHTS — Fig. 1151**

225 Degree Clear Lens — 20 Point

With Four Lugs For Mounting

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 256 Height Inches	Height Less Handle Inches	Size Base Inches	C to C of Lugs Inches	Weight Each Pounds
1	\$ 60.00	\$ 73.00	6¾	11	7¼ x 7¼	8¾	10
2	75.00	90.00	7½	13½	9 x 10	10¾	15
3	100.00	125.00	8½	15¼	10¾ x 11¼	12¾	21

With red or green lens (special purpose), add \$11.00 each.

With amber lens in Sizes No. 1 and 2 only, add \$11.00 each.

**STERN LIGHTS — Fig. 1152**

135 Degree Clear Lens — 12 Point

With Four Lugs For Mounting

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 269 Height Inches	Height Less Handle Inches	Size Base Inches	C to C of Lugs Inches	Weight Each Pounds
1	\$ 60.00	\$ 73.00	6¾	11	7 x 7½	8¾	9
2	75.00	90.00	7½	13½	9 x 10	10¾	12
3	100.00	125.00	8½	15¼	10¾ x 10¾	12¾	15

With red or green lens (special purpose) add \$11.00 each.

With 45 degree red lens (for suction dredges) add \$15.00 each.

With amber lens in Sizes No. 1 and 2 only, add \$11.00 each.

**ANCHOR LIGHTS — Fig. 1153**

360 Degree Clear Lens — 32 Point

With Four Lashing Eyes and Wire Guard

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Diam. Base Inches	Weight Each Pounds
1	\$ 60.00	\$ 73.00	6¾	10¾	7¾	11
2	75.00	90.00	7½	12¾	9¾	16
3	100.00	125.00	8½	14¾	10¾	22

**BREAKDOWN LIGHTS — Fig. 1154**

360 Degree Red Lens — 32 Point

With Four Lashing Eyes And Wire Guard

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Diam. Base Inches	Weight Each Pounds
1	\$ 65.00	\$ 78.00	6¾	10¾	7¾	11
2	81.00	96.00	7½	12¾	9¾	16
3	110.00	135.00	8½	14¾	10¾	22

**NOTES**

Above prices do not include bulbs.

For double filament bulbs see fig. 532.

With 2 medium screw phenolic sockets, sizes No. 2 and 3 only, add \$7.00 each.

With medium screw phenolic sockets fig. 346, deduct \$1.00 each.

Spare cast bronze watertight caps with gasket, diameter overall 5¾", diameter across thread 5", \$7.00 each.

**COPPER LIGHTS MADE TO ORDER — ADD \$32.00 FOR EACH LIGHT TO ABOVE BRASS PRICES.**

**OIL NAVIGATION LIGHTS FOR VESSELS OVER 65 FT. LONG**  
**American Improved Hinged Top — Bottom Opening**

Swivel Fount Fig. 282 — Hinged Burner Fig. 242 — Lip Chimney Fig. 267 — Flat Wick Fig. 302

**SIDE LIGHTS — Fig. 1155**

112½ Degree Red And Green Lenses — 10 Point  
 In Pairs With Bracket For Mounting

No.	Galvanized Steel Per Pair	Polished Brass Per Pair	Lens Fig. 259 Height Inches	Height Less Handle Inches	Size Base Inches	Weight Per Pair Pounds	For Size Vessel Feet
0	\$110.00	\$136.00	5½	13¾	6¾ x 6¾	14	65 to 90
1	120.00	146.00	6¾	14¾	7¾ x 7¾	18	90 to 150
2	150.00	180.00	7½	18	9½ x 9½	29	over 150
3	200.00	250.00	8½	19¾	10½ x 10½	38	over 150



Fig. 1155

**MASTHEAD, RANGE AND TOWING LIGHTS — Fig. 1156**

225 Degree Clear Lens — 20 Point  
 With Four Lugs For Mounting

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 256 Height Inches	Height Less Handle Inches	Size Base Inches	C to C of Lugs Inches	Weight Each Pounds
0	\$ 55.00	\$ 68.00	5½	13¾	7 x 7½	8½	7
1	60.00	73.00	6¾	14¾	7½ x 7¾	8¾	9
2	75.00	90.00	7½	18	9 x 10	10¾	15
3	100.00	125.00	8½	19¾	10½ x 11½	12¾	21



Fig. 1156

**STERN LIGHTS — Fig. 1157**

135 Degree Clear Lens — 12 Point  
 With Four Lugs For Mounting

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 269 Height Inches	Height Less Handle Inches	Size Base Inches	C to C of Lugs Inches	Weight Each Pounds
0	\$ 55.00	\$ 68.00	5½	13¾	7 x 7½	8½	6
1	60.00	73.00	6¾	14¾	7 x 7½	8¾	8
2	75.00	90.00	7½	18	9 x 10	10¾	13
3	100.00	125.00	8½	19¾	10½ x 10½	12¾	16



Fig. 1157

**ANCHOR LIGHTS — Fig. 1158**

360 Degree Clear Lens — 32 Point  
 With Four Lashing Eyes And Wire Guard

No.	Galv. Steel Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Diam. Base Inches	Wt. Each Lbs.
0	\$ 55.00	\$ 68.00	5½	13	7½	10
1	60.00	73.00	6¾	14	7¾	11
2	75.00	90.00	7½	17½	9¾	17
3	100.00	125.00	8½	18¾	10½	23

**BREAKDOWN LIGHTS — Fig. 1159**

360 Degree Red Lens — 32 Point  
 With Four Lashing Eyes And Wire Guard

No.	Galv. Steel Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Diam. Base Inches	Wt. Each Lbs.
0	\$ 60.00	\$ 73.00	5½	13	7½	10
1	65.00	78.00	6¾	14	7¾	11
2	81.00	96.00	7½	17½	9¾	17
3	110.00	135.00	8½	18¾	10½	23



No. Each  
 0 or 1 Complete \$8.00  
 2 or 3 Complete 9.30  
 Oil Lamp used in Lights on this page

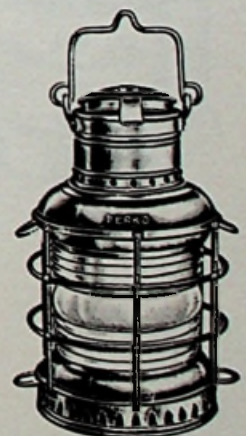


Fig. 1158  
 Fig. 1159

**ELECTRIC ONLY**

With Fig. 288 Medium Screw Adapter, use above prices.  
 With Fig. 1082 3 Wire Mogul Adapter, add \$3.25 each.

**OIL AND ELECTRIC**

With Fig. 288 Medium Screw Adapter, add \$5.00 each.  
 With Fig. 1082 3 Wire Mogul Adapter, add \$8.25 each.

**COPPER LIGHTS MADE TO ORDER —**

ADD \$32.00 FOR EACH LIGHT TO ABOVE BRASS PRICES.

## ELECTRIC NAVIGATION LIGHTS FOR VESSELS OVER 65 FT. LONG

## Flat Top Style — Bottom Opening

MEDIUM SCREW 2 WIRE PHENOLIC ADAPTER FIG. 288 FOR SINGLE FILAMENT BULBS

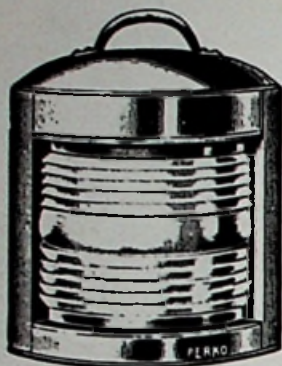


Fig. 30



Fig. 983



Fig. 986

Fig. 32  
Fig. 84

## SIDE LIGHTS — Fig. 30

112½ Degree Red And Green Lenses

10 Point — In Pairs —

With Bracket For Mounting

No.	Galvanized Steel Per Pair	Polished Brass Per Pair	Lens Fig. 259 Height Inches	Height Less Handle Inches	Size Base Inches	Weight Per Pair Pounds	For Size Vessel Feet
0	\$ 90.00	\$118.00	5½	10½	6½x6½	12	65 to 90
1	96.00	126.00	6¾	11	7½x7½	14	90 to 150
2	120.00	156.00	7½	13½	9½x9½	24	over 150

## MASTHEAD, RANGE AND TOWING LIGHTS — Fig. 983

225 Degree Clear Lens — 20 Point

With Four Lugs For Mounting

No.	Galvanized Steel Fath	Polished Brass Each	Lens Fig. 256 Height Inches	Height Less Handle Inches	Size Base Inches	C to C of Lugs Inches	Weight Each Pounds
0	\$45.00	\$59.00	5½	10½	7 x 7	8½	6
1	48.00	63.00	6¾	11	7 x 7	8¾	8
2	60.00	78.00	7½	13½	9 x 10¼	10½	12½

With red or green lens (special purpose), add \$11.00 each.

With amber lens, add \$11.00 each.

## STERN LIGHTS — Fig. 986

135 Degree Clear Lens — 12 Point

With Four Lugs For Mounting

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 269 Height Inches	Height Less Handle Inches	Size Base Inches	C to C of Lugs Inches	Weight Each Pounds
0	\$45.00	\$59.00	5½	10½	7 x 7	8½	5½
1	48.00	63.00	6¾	11	7 x 7	8¾	7
2	60.00	78.00	7½	13½	9 x 10¼	10½	9½

With red or green lens (special purpose) add \$11.00 each.

With 45 degree red lens (for suction dredges) add \$15.00 each.

With amber lens, add \$11.00 each.

## ANCHOR LIGHTS — Fig. 32

360 Degree Clear Lens — 32 Point

With Four Lashing Eyes And Wire Guard

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Diam. Base Inches	Weight Each Pounds
0	\$45.00	\$59.00	5½	9¾	7½	8
1	48.00	63.00	6¾	10¾	7½	9
2	60.00	78.00	7½	12¾	9¾	13

## BREAKDOWN LIGHTS — Fig. 84

360 Degree Red Lens — 32 Point

With Four Lashing Eyes And Wire Guard

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Diam. Base Inches	Weight Each Pounds
0	\$50.00	\$64.00	5½	9¾	7½	8
1	54.00	69.00	6¾	10¾	7½	9
2	66.00	84.00	7½	12¾	9¾	13

## NOTES

Above prices do not include bulbs.

With 3 wire mogul adapter fig. 1082 for double filament bulb, add \$3.25 each.

COPPER LIGHTS MADE TO ORDER —

ADD \$32.00 FOR EACH LIGHT TO ABOVE BRASS PRICES.

**OIL NAVIGATION LIGHTS FOR VESSELS OVER 65 FT. LONG**

**Turret Top — Bottom Opening**

SWIVEL FOUNT FIG. 282 — HINGED BURNER FIG. 242 — LIP CHIMMNEY FIG. 267 — FLAT WICK FIG. 302

**SIDE LIGHTS — Fig. 21**

112½ Degree Red And Green Lenses  
10 Point — In Pairs  
With Bracket For Mounting

No.	Galvanized Steel Per Pair	Polished Brass Per Pair	Lens Fig. 259 Height Inches	Height Less Ring Inches	Size Base Inches	Weight Per Pair Pounds	For Size Vessel Feet
9	\$ 90.00	\$118.00	5½	14	6½x6½	13	65 to 90
10	96.00	126.00	6¾	15	7½x7½	15	90 to 150
11	120.00	156.00	7½	18¾	9½x9½	26	over 150

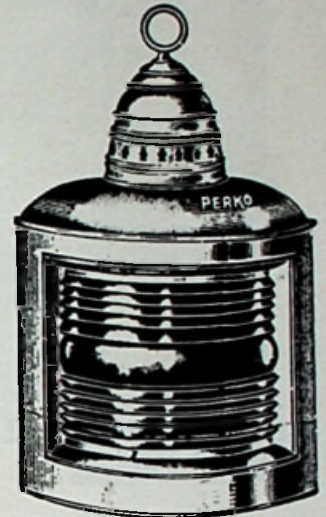


Fig. 21

**MASTHEAD, RANGE AND TOWING LIGHTS — Fig. 982**

225 Degree Clear Lens — 20 Point  
With Four Lugs For Mounting

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 256 Height Inches	Height Less Ring Inches	Size Base Inches	C to C of Lugs Inches	Weight Each Pounds
0	\$45.00	\$59.00	5½	14	7 x 7	8½	7½
1	48.00	63.00	6¾	15	7 x 7	8¾	9½
2	60.00	78.00	7½	18¾	9 x 9½	10¾	14

With red or green lens (special purpose), add \$11.00 each.  
With amber lens, add \$11.00 each.



Fig. 982

**STERN LIGHTS — Fig. 985**

135 Degree Clear Lens — 12 Point  
With Four Lugs For Mounting

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 269 Height Inches	Height Less Ring Inches	Size Base Inches	C to C of Lugs Inches	Weight Each Pounds
0	\$45.00	\$59.00	5½	14	7 x 7	8½	6
1	48.00	63.00	6¾	15	7 x 7	8¾	7½
2	60.00	78.00	7½	18¾	9 x 9½	10¾	10½

With red or green lens (special purpose) add \$11.00 each.  
With 45 degree red lens (for suction dredges) add \$ 5.00 each.  
With amber lens, add \$11.00 each.



Fig. 985

**ANCHOR LIGHTS — Fig. 23**

360 Degree Clear Lens — 32 Point  
With Four Lashing Eyes And Wire Guard

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Ring Inches	Diam. Base Inches	Weight Each Pounds
22	\$45.00	\$59.00	5½	13¾	7½	8½
22½	48.00	63.00	6¾	14½	7½	10
23	60.00	78.00	7½	17¾	9¾	14

**BREAKDOWN LIGHTS — Fig. 129**

360 Degree Red Lens — 32 Point  
With Four Lashing Eyes And Wire Guard

No.	Galvanized Steel Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Ring Inches	Diam. Base Inches	Weight Each Pounds
22	\$50.00	\$64.00	5½	13¾	7½	8½
22½	54.00	69.00	6¾	14½	7½	10
23	66.00	84.00	7½	17¾	9¾	14

**ELECTRIC ONLY**

With Fig. 288 Medium Screw Adapter, use above prices.  
With Fig. 1082 3 Wire Mogul Adapter, add \$3.25 each.

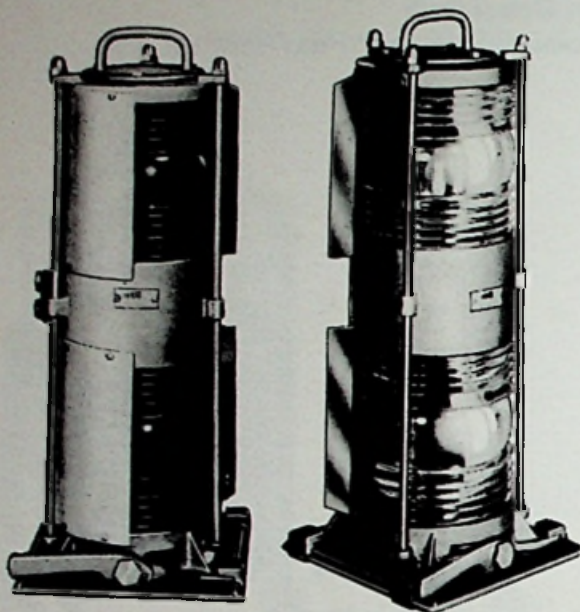
**OIL AND ELECTRIC**

With Fig. 288 Medium Screw Adapter, add \$5.00 each.  
With Fig. 1082 3 Wire Mogul Adapter, add \$8.25 each.

**COPPER LIGHTS MADE TO ORDER — ADD \$32.00 FOR EACH LIGHT TO ABOVE BRASS PRICES.**



Fig. 23 or 129



10 Point-112½°  
Fig. 1164

20 Point-225°  
Fig. 1165

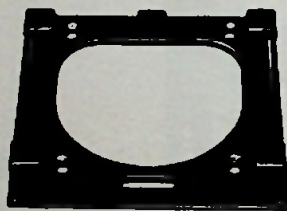


Fig. 1171

**TWO LENS NAVIGATION LIGHTS FOR SHIPS**

Per A.I.E.E. Specification No. 45 Section 34 Paragraph 34.01 — Watertight — Electric Only — Cast Bronze — U.S. Coast Guard Approved

Two individual lights in one body. Each section contains a Fresnel Lens, a medium screw phenolic socket for single filament lamp and a watertight cap for relamping and cleaning. A watertight terminal tube for cable entrance to each section and shields for light angle are included.

Fig.	Description	Degrees of Light	Each
1164-P	Side Light—Port—Red	112½	\$130.00
1164-S	Side Light—Starboard—Green	112½	130.00
1165	Masthead, Range, Towing—Clear	225	125.00
1166	Stern—Clear	135	125.00
1167	Anchor—Clear	360	123.00
1168	Breakdown—Red	360	130.00

All Above Supplied Complete With Fig. 1171 Mounting Flange.

FIGS. 1165 OR 1166 WITH COLORED LENSES, RED OR GREEN, ADD \$6.50 EACH

Spare Lenses Fig. 261 No. 1 Clear Each	1/2 Colored Each	Spare Sockets Fig. 346 No. 2 Each	Spare Rubber Lens Gaskets Each
\$13.50	\$17.00	\$ .70	\$3.00
Height Overall Inches	Height Lens Inches	Weight Each Pounds	
20	6¾	33	

**MOUNTING FLANGE — CAST BRONZE — Fig. 1171**  
Furnished With All Two Lens Navigation Lights

Dimensions Inches	Diameter Bolt Holes Inches	Weight Pounds
8¾x8¾	¾	3

**SINGLE LENS LIGHTS — Fig. 1169 & 1170**  
Per Above Specifications — Cast Bronze

Fig.	Description	Degrees of Light	Each
1169	Anchor—Clear	360	\$79.00
1170	Breakdown—Red	360	85.50

With Shield For Various Light Angles, Add \$11.00 Each  
(Specify Degrees of Light Required)

Height Overall Inches	Height Lens Inches	I.D. of Mounting Lugs Inches	Centers of Mounting Lugs Inches	Weight Pounds
10½	6¾	¾	8¾	15½

**ANCHOR AND BOOM LIGHT — Fig. 1162**

For Jack Staff or Mast Mounting. Cast Bronze With White Frosted Globe And Medium Screw Electric Socket.

Height Overall Inches	Diameter Base Inches	Weight Pounds	Each
7½	5¾	4½	\$49.50

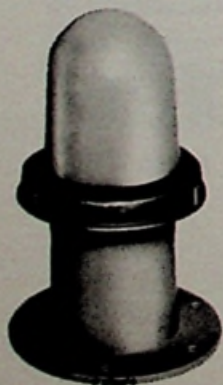


Fig. 1162

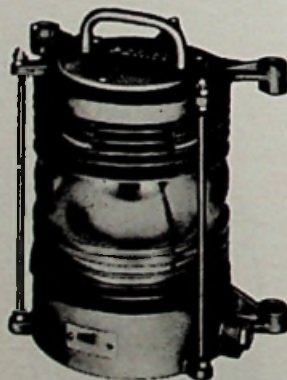


Fig. 1169-Clear  
Fig. 1170-Red

**PERKO-MARR WHISTLE LIGHT — Fig. 1137**

Patent No. D 185,376 and 3,007,135

Amber or Clear Plastic Lenses — Mirror Reflectors.  
 Rated Life of Sealed Beam Unit is 2000 Hours. 500 Watt —  
 110,000 Candle Power — 120 Volts.  
 Galv. Steel with Zinc Chromate Undercoat and Grey  
 Painted Finish or Stainless Steel with Natural Finish.

**A Great Step Forward in Maritime Safety**

Since the introduction of this revolutionary Visible Signal Whistle Light, many of the world's leading shipping lines have been outfitting their vessels with this great safety device. The reasons for this mounting popularity stem from its unique design. It's neither a converted running light nor an adaption of an anchor light. It was specifically designed as a whistle signal light which cannot be confused with lighthouses, buoys or any other ship's light.

The Perko-Marr Light is different and distinctive insofar as it projects separated white or amber rays extending outward and upward for 360° around the horizon as each whistle blast sounds. These brilliant rays are visible far beyond the audible range of the whistle. And their distinct pattern is immediately identified as a whistle signal light. Most important, at night when chances of confused whistle signals are greater, the pattern is even more distinctive because the finger like rays which pierce the sky are separated by darkness.

Type A-1 is designed for small river or harbor craft and type A-2 is for large ocean-going or lake ships.

Type	Galvanized Steel Each	Stainless Steel Each	Height Light Inches	Width Light Inches	Weight Pounds
A-1	\$275.00	\$325.00	24	16	22
A-2	325.00	380.00	28	18	28

Supplied with 1000 watt sealed beam unit to order, add \$5.00 each. Please specify color and wattage, otherwise amber 500 watts will be shipped.

Spare Sealed Beam Units, 500 Watt, \$15.00 Each . . .  
 1000 Watt, \$17.00 Each.

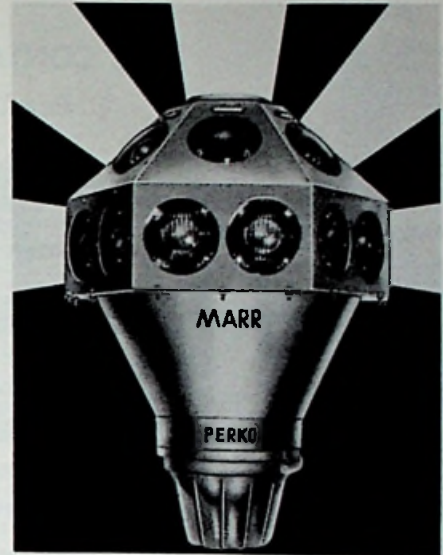


Fig. 1137

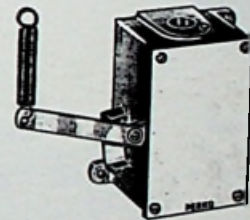


Fig. 1134

**PULL SWITCH AND RELAY — Figs. 1134 & 1135**

Pull switch is underwriters approved and has cast bronze housing. A heavy duty double pole snap switch.

Each \$40.00                      Weight 4¾ Pounds

Relay is in an enclosure of enameled sheet metal, a double pole single throw switch operated by a solenoid type magnet. If D.C. relay required, please specify.

Each \$40.00                      Weight 2¾ Pounds



Fig. 1135

**SELF CONTAINED BATTERY NAVIGATION LIGHTS**

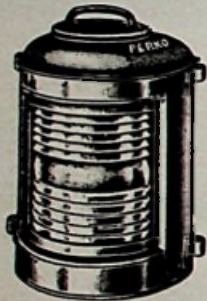
For Oil Carriers, Barges, Scows, Etc.



**Fig. 1001**  
Side Lights  
112½ Degrees



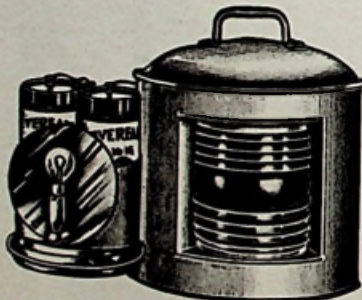
**Fig. 1002**  
Masthead or  
Range Light  
225 Degrees



**Fig. 1003**  
Stern  
Light  
135 Degrees



Standard No. 6 Dry  
Cells used with  
These Lights



**Fig. 1008**  
Side Lights  
112½ Degrees



**Fig. 1013**  
Masthead or  
Range Light  
225 Degrees



**Fig. 1014**  
Stern  
Light  
135 Degrees

**Watertight Type**

Figs. 1001, 1002 & 1003

FOR 2 No. 6 DRY CELLS IN SERIES—WITH SWITCH

	Fig. 1001 Red and Green Per Pair	Fig. 1002 Clear Each    Amber Each		Fig. 1003 Clear Each    Amber Each	
Galvanized	\$126.00	\$78.50	\$ 90.00	\$78.50	\$ 90.00
Pol. Brass	152.00	93.50	105.00	93.50	105.00
Spare Lenses	30.00	18.00	34.00	14.50	23.00

Fig.	DIMENSIONS			Weight Less Batteries Pounds
	Height Lens Inches	Height Body Inches	Size Base Inches	
1001	6¾	11	7¼x7¼	18
1002	7½	13½	9 x 10	15
1003	7½	13½	9 x 10	12

Above prices include bulbs, no batteries.  
Spare bulbs, double contact 2.9 volts, .15 amp. Fig. 337,  
\$2.40 each

**Waterproof Type**

Figs. 1008, 1013 & 1014

FOR 2 NO. 6 DRY CELLS IN SERIES WITH SWITCH

	Fig. 1008 Red and Green Per Pair	Fig. 1013 Clear Each    Amber Each		Fig. 1014 Clear Each    Amber Each	
Galvanized	\$102.00	\$69.00	\$80.00	\$69.00	\$80.00
Spare Lenses	30.00	18.00	34.00	14.50	23.00

Fig.	DIMENSIONS			Weight Less Batteries Pounds
	Height Lens Inches	Height Body Inches	Size Base Inches	
1008	6¾	11	7½x 7½	15
1013	7½	13½	9 x 10¼	13
1014	7½	13½	9 x 10¼	10

Above prices include bulbs, no batteries. Bulb is double contact, 2.9 volts, .15 amp. Fig. 337, \$2.40 each. Battery containers as illustrated, complete with reflector, socket, bulb and switch, without batteries, \$17.00 each.



20 DAY BATTERY ANCHOR LIGHT — Fig. 399

360 Degree Clear Fresnel Lens — Waterproof —  
With Switch and 2.9 Volt .15 Amp. Bulb

This new light is equipped with a bayonet double contact socket and a 2.9 volt, .15 ampere bulb which produces greater beam candlepower and increased visibility. Uses four standard 1 1/2 volt dry cells such as Eveready No. 6.

No.	Galvanized Steel Each	Polished Copper Each	Height Lens Inches	Height Overall Inches	Diam. Base Inches	Weight Pounds
1	\$44.00	\$52.00	4 1/4	15	6 3/4	5 1/2
2	60.00	69.00	5 1/2	16	6 3/4	7 1/2

Light shielded to 112 1/2, 135 or 225 degrees, add \$10.00 each.



Fig. 399

30 DAY BATTERY ANCHOR LIGHT — Fig. 470

360 Degree Clear Fresnel Lens — Waterproof —  
With Switch and 6 Volt .04 Amp. Bulb

For use with four standard 1 1/2 volt dry cells such as Eveready No. 6, readily obtainable. 720 continuous hours of light on one set of batteries.

No.	Galvanized Steel Each	Polished Copper Each	Height Lens Inches	Height Overall Inches	Diam. Base Inches	Weight Pounds
1	\$42.00	\$50.00	4 1/4	15	6 3/4	5 1/2
2	58.50	67.50	5 1/2	16	6 3/4	7 1/2

Light shielded to 112 1/2, 135 or 225 degrees, add \$10.00 each.



Fig. 470

60 DAY BATTERY ANCHOR LIGHT — Fig. 474

360 Degree Clear Fresnel Lens — Waterproof —  
With Switch and 6 Volt .04 Amp. Bulb

Uses 6 standard 1 1/2 volt No. 6 dry cells available anywhere.

Over 1500 hours continuous light on one set of batteries.

No.	Galvanized Steel Each	Polished Copper Each	Height Lens Inches	Height Overall Inches	Diam. Base Inches	Weight Pounds
3	\$72.00	\$84.00	5 1/2	16	8 1/2	8 1/2

Light shielded to 112 1/2, 135 or 225 degrees, add \$10.00 each.



Fig. 474

60 DAY BATTERY FLASHING LIGHT — Fig. 485

360 Degree Clear Fresnel Lens — Waterproof —  
With Watertight Switch

Flashes continuously at 80 flashes per minute day and night for at least 60 days. Numerous field tests have given results well beyond that time.

Supplied complete with Neon Tubular Bulb, sealed watertight timing mechanism and heavy duty 6 volt lantern battery. All wired and hooked up ready for operation. Replacement batteries available anywhere.

No.	Galvanized Steel Each	Polished Copper Each	Height Lens Inches	Height Overall Inches	Diam. Base Inches	Weight Pounds
1	\$85.00	\$93.00	4 1/4	12 1/2	6 3/4	9

Light Shielded to various degrees, Add \$10.00 Each.

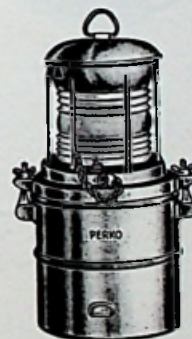


FIG. 485

SPARE PARTS FOR FIGS. 399, — 470 & 474

- No. 1 Red, Green or Amber Lens, add \$2.75 each.
- Nos. 2 & 3 Red, Green or Amber Lens, add \$7.00 each.
- Spare Bulbs, 6 Volt .04 Amp. Miniature Base, \$.35 each.
- Spare Bulbs, 6 Volt .15 Amp. Bayonet Base, \$2.40 each.
- Spare Lenses, see Fig. 261. Spare Switches, see Fig. 745.
- Spare Sockets, \$.25 each.
- Spare Battery Containers, galvanized, \$12.50 each. Copper, \$16.00 each.
- Spare Socket Holder with socket, \$2.00 each.

SPARE PARTS FOR FIG. 485

- Spare Bulbs, \$7.50 each.
- Spare Timing Mechanisms, \$23.50 each.
- With Red, Green or Amber Lens, add \$2.75 each.
- Green Light Requires Special Green Neon Bulb, add \$2.50 each.
- Light Shielded to Various Degrees, add \$10.00 each.
- Spare Lenses, see Fig. 261. Spare Switches, see Fig. 745
- Spare Battery and Timer Containers, Galvanized, \$12.50 each. Copper \$16.00 each.

## "PERKO" Bridge and Pier LIGHTS

In strict accordance with specifications and regulations of the Treasury Department, U. S. Coast Guard, on marking and lighting of bridges. See "Aids To Navigation" C.G.-208 Subpart 68.15, January 1st, 1953 with amendments.

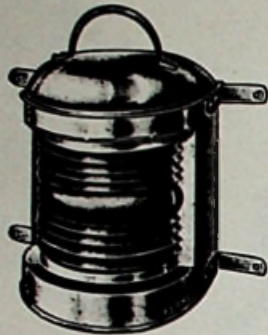


Fig. 29

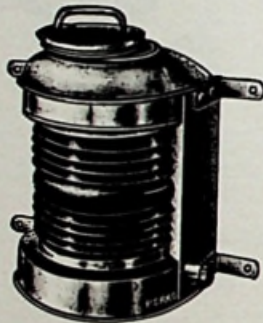


Fig. 31

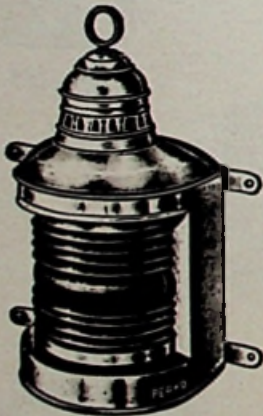


Fig. 59



Fig. 126

### REGULATION PIER LIGHTS

For Piers, Axis, Abutments, Channel Sides, or Channel Margins. 180 Degree Red Fresnel Lens. Body of Sheet Steel or Sheet Brass. Electric Socket Is Phenolic Medium Screw, U.S.C.G. Approved.

Fig. 29 — For electric only. With bottom opening and brass swivel electric adapter.

Fig. 31 — Watertight, for electric only, with cast bronze threaded cap and brass packing gland for cable.

Fig. 59 — For Oil only, Electric only, or Oil and Electric. Has bottom opening and brass swivel fount with burner, wick and chimney for oil, or brass electric adapter for electricity. Both supplied for "Oil and Electric."

All above supplied with four brackets for mounting.

FIG.		Galv. Steel Each	Polished Brass Each	Height Lens Inches	*Height Overall Light Inches
29	Electric only	\$73.00	\$90.00	7 $\frac{3}{8}$	13 $\frac{1}{4}$
31	Electric only	81.00	98.00	7 $\frac{3}{8}$	13 $\frac{1}{4}$
59	Oil or Electric	73.00	90.00	7 $\frac{3}{8}$	18
59	Oil and Electric	78.00	95.00	7 $\frac{3}{8}$	18

		Width Overall Inches	Size Base Inches	Weight Pounds
29	Electric only	14 $\frac{1}{2}$	9 $\frac{3}{4}$ x9 $\frac{3}{4}$	9
31	Electric only	14 $\frac{1}{2}$	9 $\frac{3}{4}$ x9 $\frac{3}{4}$	11
59	Oil or Electric	14 $\frac{1}{2}$	9 $\frac{3}{4}$ x9 $\frac{3}{4}$	13
59	Oil and Electric	14 $\frac{1}{2}$	9 $\frac{3}{4}$ x9 $\frac{3}{4}$	13

With Clear Lens for main channel markers on fixed bridges or with green or amber lens for special purpose, use above prices.

\*Height of light does not include handle or ring.

### SPARE PARTS

	Each
Fresnel Lenses, Fig. 260, Mid. 59	\$25.00
Mounting Brackets, Fig. 131, No. 1	1.40
Electric Socket, Fig. 346, No. 2	.70
Electric Adapter, Fig. 288, No. 2	5.00
Oil Fount, Fig. 282, No. 2	5.00
Oil Burner, Fig. 242, No. 2	2.90
Oil Wicks, Fig. 302, No. 2	.10
Chimneys, Fig. 267, No. 2	1.38

### SPECIAL PURPOSE LIGHTS ON PEDESTAL — Fig. 126

With 360 Degree Red, Green or Clear Lens. For Sheer Booms, Isolated Piers, Obstructions, etc. Cast Bronze or Cast Aluminum — Emery Finish — Watertight — Electric Only

Mounted on 1" brass pipe and good sturdy cast bronze flange. Has phenolic medium screw socket. Cast threaded cap.

Cast Bronze Each	Cast Aluminum Each	Height Lens Inches	*Height Overall Inches	Width Light Inches	Base Diameter Inches	Weight Pounds
\$120.00	\$120.00	7 $\frac{3}{8}$	19	11 $\frac{1}{2}$	5	24

This light can be supplied shielded to various degrees. Prices on application.

Bronze lights in stock. Aluminum made to order only.

\*Height of light does not include handle. Special Heights available. Prices on request.

**REGULATION PIER LIGHTS**

Cast Bronze or Cast Aluminum — Emery Finish — Watertight. For Piers, Axis, Abutments, Channel Sides or Channel Margins. 180 Degree Red Fresnel Lens. Electric Only — With Phenolic Medium Screw Approved Socket.

Fig. 1005 — Has four integral mounting lugs drilled for 3/8 inch diameter bolt and brass packing gland for cable.

Fig. 125 — This is fig. 1005 mounted on 1 inch brass pipe and good sturdy cast bronze flange. Brass packing gland for cable with 2 inch pipe and flange, add \$12.00 each.

Fig. 1010 — This is fig. 1005 mounted on 2 inch brass pipe and fittings. Standard length of pipe "A" is 3 1/2 inches. Special length, please specify, price on application.

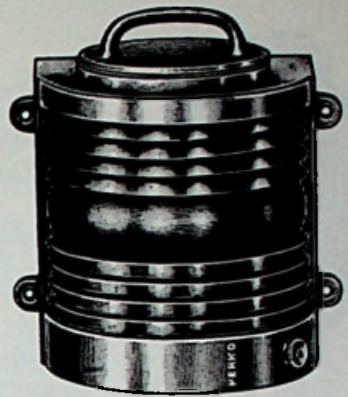


Fig. 1005

FIG.	Cast Bronze Each	Cast Aluminum Each	Height Lens Inches	*Height Overall Light Inches
1005	\$106.00	\$106.00	7 3/8	9 1/4
125	118.00	118.00	7 3/8	19
1010	146.00	146.00	7 3/8	17 1/2

FIG.	Width Light Inches	Size Base Inches	Weight Pounds	
			Bronze	Aluminum
1005	**9 1/4	8 3/4 x 7 3/8	18	12
125	8 3/4	5	24	18
1010	8 3/4	6	28	22

With clear lens for main channel markers on fixed bridges or with green or amber lens for special purpose, use above prices.

\*Height of light does not include handle.

\*\*Width is to centers of mounting holes.

NOTE—Figs. 125 and 1010 in special height other than standard, price on application.



Fig. 125

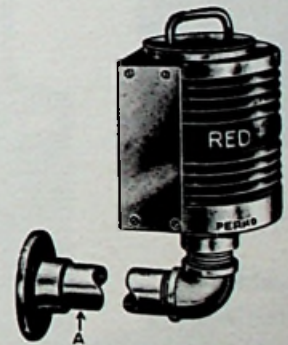


Fig. 1010

**BOX TYPE REGULATION DRAW SPAN LIGHTS — Fig. 63**

With 360 Degree Clear Fresnel Lens Enclosed by Alternate Red and Green Flat Glass Panels Showing 60 Degrees of Light

For Oil, Electric or Oil and Electric, made of Sheet Steel and Galvanized. Bottom opening with brass fount or adapter.

	Galv. Each	Spare Lens Each	Spare Panels Each
Oil or Elec.	\$ 95.00	\$18.00	\$4.40
Oil and Elec.	100.00	18.00	4.40

Spare Oil Founts Complete, \$12.60 Each  
Spare Electric Adapter, \$11.00 Each

Height Lens Inches	Height Less Handle Inches	Width Overall Inches	Dimensions of Panels Inches	Weight Pounds
7 3/8	18	11 1/4	9 1/2 x 10 3/4	18



Fig. 63

Supplied with one lens shielded for 3-way light (one red, two green) use above prices. Specify.

**REGULATION SWING, DRAW OR FOLDING BRIDGE LIGHTS**

For Span of Through, Deck and Half Through Swing Bridges or Single Opening Draw Bridges with Alternate Red and Green 60 Degree Fresnel Lenses. Socket is Phenolic Medium Screw, U.S.C.G. Approved.

Fig. 35 — Watertight, for electric only. Made of sheet metal, either galvanized steel or brass with cast bronze threaded cap and brass packing gland for cable.

Fig. 39 — Watertight, for electric only. Made of cast bronze or cast aluminum in emery finish. With cast threaded cap and packing gland for cable.

Fig. 50 — For Oil, Electric or Oil and Electric. Made of sheet metal, either galvanized steel or brass. Has bottom opening and brass swivel fount with burner, wick and chimney for oil, or adapter for electricity. Both supplied for "Oil and Electric."



Fig. 35

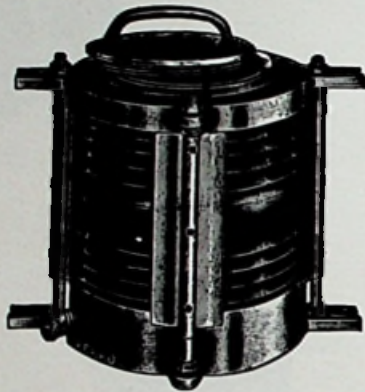


Fig. 39



Fig. 50

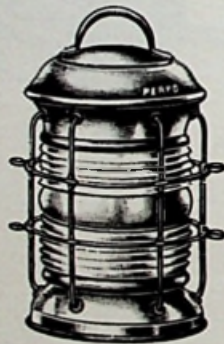


Fig. 68

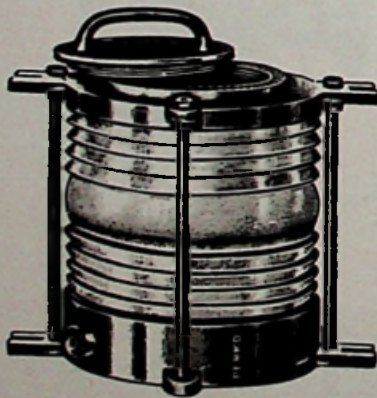


Fig. 1006



Fig. 80

FIG.		Galv. Each	Polished Brass Each	Cast Bronze Each	Cast Aluminum Each	Spare Lenses Each
35	Elec. only	\$100.00	\$118.00			\$12.00
39	Elec. only			\$130.00	\$130.00	12.00
50	Oil or Elec.	84.00	102.00			12.00
50	Oil and Elec.	89.00	107.00			12.00

FIG.		Height Lens Inches	*Height Overall Light Inches	**Width Overall Inches	Weight Pounds	
					Br.	Alum.
35	Elec. only	7 $\frac{3}{8}$	13 $\frac{3}{4}$	12 $\frac{1}{2}$	13 $\frac{1}{2}$	
39	Elec. only	7 $\frac{3}{8}$	9 $\frac{3}{4}$	11 $\frac{3}{4}$	22	15
50	Oil or Elec.	7 $\frac{3}{8}$	18	12 $\frac{1}{2}$	14	
50	Oil and Elec.	7 $\frac{3}{8}$	18	12 $\frac{1}{2}$	14 $\frac{1}{2}$	

\*Height of light does not include handle or ring.  
\*\*Width includes mounting brackets

Supplied with one lens shielded for 3-way light (one red, two green) use above prices. Specify.

**REGULATION MID-CHANNEL SPAN LIGHTS**

For Fixed Bridges — 360 Degree Green Fresnel Lens — Electric Socket Is Phenolic Medium Screw, U.S.C.G. Approved.

Fig. 68 — For electric only, with bottom opening and brass swivel electric adapter. Made of sheet metal, either galvanized steel or brass.

Fig. 1006 — Watertight, for electric only. Made of cast bronze or cast aluminum in emery finish. With cast threaded cap and brass packing gland.

Fig. 80 — For oil only, electric only, or oil and electric. Made of sheet metal, either galvanized steel or brass. Has bottom opening and brass swivel fount with burner, wick and chimney for oil, brass electric adapter for electricity.

FIG.		Galvanized Steel Each	Polished Brass Each	Cast Bronze Each	Cast Aluminum Each
68	Electric only	\$58.50	\$76.50		
1006	Electric only			\$110.00	\$110.00
80	Oil or Elec.	73.00	88.50		
80	Oil and Elec.	78.00	93.50		

FIG.		Height Lens Inches	*Height Overall Light Inches	Width Overall Inches	Weight Pounds	
					Br.	Alum.
68	Electric only	7 $\frac{3}{8}$	14 $\frac{1}{2}$	9 $\frac{1}{2}$	13	
1006	Electric only	7 $\frac{3}{8}$	9 $\frac{1}{2}$	11 $\frac{3}{8}$	21	14
80	Oil or Elec.	7 $\frac{3}{8}$	18	9 $\frac{3}{4}$	17	
80	Oil and Elec.	7 $\frac{3}{8}$	18	9 $\frac{3}{4}$	17	

With clear, or red lens for special purpose, use above prices.

**REGULATION MID-CHANNEL SPAN LIGHTS WITH PIVOT MOUNTING — Fig. 1011**

Cast Bronze or Cast Aluminum — Emery Finish — Watertight — Electric Only — Medium Screw Socket — 360 Degree Green Fresnel Lens

This is Fig. 1006 with pivot mounting allowing light to be seen beneath the bridge yet can be swung to the upper level for rebulbing or cleaning. Entrance is through cast threaded cap in bottom of light body. Pipe is brass, 2 inch size. Standard length at "A" and "B" is 2 inches. Flanges and other fittings are cast bronze.

Cast Bronze Each	Cast Aluminum Each	Height Lens Inches	*Height Overall Inches	Width Overall Inches	Weight Pounds	
					Bronze	Aluminum
\$210.00	\$210.00	7 1/4	20 1/4	11 1/2	36	29

Aluminum lights have cast bronze brackets with brass pipe. Bronze lights in stock. Aluminum made to order only. Special length of pipe at "A" or "B". Price on application.

\*Height does not include handle.

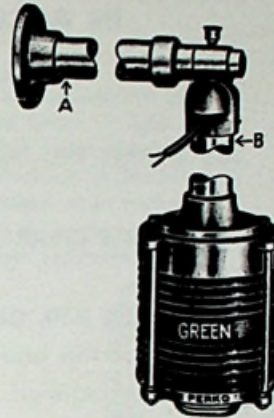


Fig. 1011

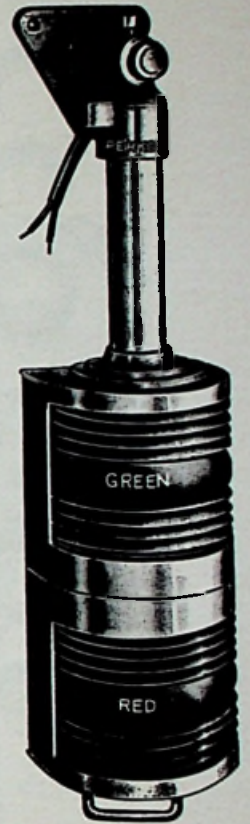


Fig. 22

**LIFT SPAN LIGHTS FOR BASCULE BRIDGES**

For Single and Double Lift Bridges. 180 Degree Red and Green Fresnel Lenses. Cast Bronze or Cast Aluminum — Emery Finish — Watertight — Electric Only — Medium Screw Socket

Fig. 22 — Swinging type with fixed extension. Pipe is brass, 2 inch size, 6 inches long. Bracket is cast bronze. Light contains two bakelite medium screw sockets, one for each lens. Entrance for rebulbing or cleaning is through two 4 1/2 inch openings, one in back of upper section, the other in bottom of lower section, both closed by threaded cast caps. Complete with brass grease cup.

Fig. 127 — Fixed type, has eight integral mounting lugs, drilled for 3/8 inch diameter bolt. Two brass packing glands for cable and two threaded caps for entrance to each section.

Fig. 1012 — Swinging type with pipe extension, pipe "A" and "B" is brass, 2 inch size, 2 inches long at "A" and 6 inches long at "B". Other fittings are cast bronze. Light is the same as Fig. 22 above.



Fig. 1012

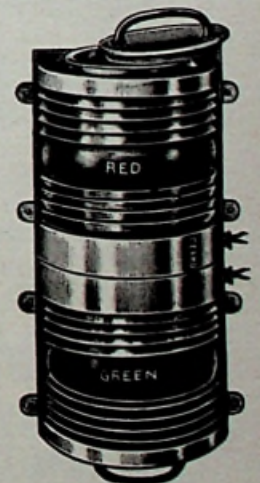


Fig. 127

FIG.	Cast Bronze Each	Cast Aluminum Each	*Height Overall Inches	Height Lens Inches	Width Light Inches	Size of Bracket Inches	Weight Pounds	
							Bronze	Aluminum
22	\$250.00	\$250.00	30 1/2	7 3/8	8 1/2	6 1/4 x 6 1/4	54	42
127	200.00	200.00	18 1/2	7 3/8	**9 1/4		36	24
1012	350.00	350.00	32	7 3/8	8 1/2	6	56	44

Supplied in special color combinations if required . . . such as two red or two green lenses . . . also clear or amber lenses at above prices.

Aluminum lights have cast bronze brackets with brass pipe. Bronze lights in stock. Aluminum made to order only. Special length of pipe at "A" or "B". Price on application.

\*Height does not include handle.

\*\*Width is to center of mounting holes.

**LIGHT COLORS AND HORIZONTAL ARCS OF VISIBILITY  
IN ACCORDANCE WITH "AIDS TO NAVIGATION"  
REGULATIONS ON LIGHTING FOR BRIDGES**



**180 DEGREE RED**—For piers, axis, abutments, channel sides or channel margins.



**180 DEGREE CLEAR**—For main channel markers on fixed bridges.



**360 DEGREE RED, GREEN OR CLEAR**—For sheer booms, isolated piers and obstructions not part of the bridge or bridge approach structure. May be shielded to various degrees as required.



**60 DEGREE ALTERNATE RED AND GREEN**—For draw span of draw bridges or swing span of through swing bridges. When required for swing span of deck or half-through swing bridges, one red lens is shielded.



**360 DEGREE GREEN**—For mid-channel or channel center, for span of fixed bridge over a navigable channel.



**180 DEGREE GREEN AND RED**—For span of single and double-lift bascule bridges. Green when lift span is fully open for navigation, red for all other positions of lift span.

**SPARE PARTS FOR BRIDGES AND PIER LIGHTS**

180 DEGREE LENSES—For figs. 22-29-31-59-125-127-1005-1010-1012	Clear <b>\$18.25</b> each, Colored <b>\$25.00</b> each
360 DEGREE LENSES—For figs. 68-80-126-1006-1011	Clear <b>\$18.00</b> each, Colored <b>\$27.50</b> each
CAST BRONZE WATERTIGHT CAPS complete with rubber gasket—For figs. 22-31-35-39-125-126-127-1005-1006-1007-1010-1011-1012	<b>\$7.00</b> each
RUBBER GASKETS—For caps	<b>\$ .35</b> each
RUBBER GASKETS—For 360 degree lenses	<b>\$3.00</b> each
ELECTRIC SOCKETS—Medium screw—For all lights	<b>\$ .70</b> each
SOCKET SUPPORTS—Brass—For all watertight electric lights	<b>\$1.39</b> each
ELECTRIC ADAPTER—For figs. 29-50-59-68-80	<b>\$5.00</b> each
OIL FOUNTS—Brass—For figs. 50-59-80	<b>\$5.00</b> each
OIL BURNERS—Brass—For above founts	<b>\$2.90</b> each
OIL WICKS—For above burners	<b>\$ .10</b> each
CHIMNEYS—For above burners	<b>\$1.38</b> each

**PERKO HIGH POWERED SEARCHLIGHTS**

**With Mirror Reflector — Medium Screw Socket — 6 - 12 - 32 - 120 Volts  
Packing Glands at Cable and Control Rod Entrances**

**BODIES:** constructed of heavy wrought brass; stands, yokes and control mechanism are all cast bronze. **REFLECTORS:** glass mirror which projects a highly concentrated beam of light a great distance. **FOCUSING DEVICE:** new remote control type permits changing beam diameter from pilot house. **PILOT HOUSE CONTROLS:** wheels or lever type. **WIRING:** enclosed in flexible metal hose, fully protected from weather. **BULBS:** furnished as standard equipment in various voltages as follows — 6 volts 18 amps. — 12 volt 18 amps. — 32 volts 8 amps. — 120 volts 500 watts. 120 volt, 1000 watt bulbs are also available at additional cost. See notes below

**LEVER CONTROLLED SEARCHLIGHT**

Fig. 297

Size Inches	Polished Brass Each	Chromium Plated Each
8	\$240.00	\$270.00
10	270.00	300.00
12	325.00	360.00
14	390.00	425.00

**WHEEL CONTROLLED SEARCHLIGHT**

Fig. 529

Size Inches	Polished Brass Each	Chromium Plated Each
8	\$265.00	\$295.00
10	295.00	325.00
12	350.00	385.00
14	415.00	450.00

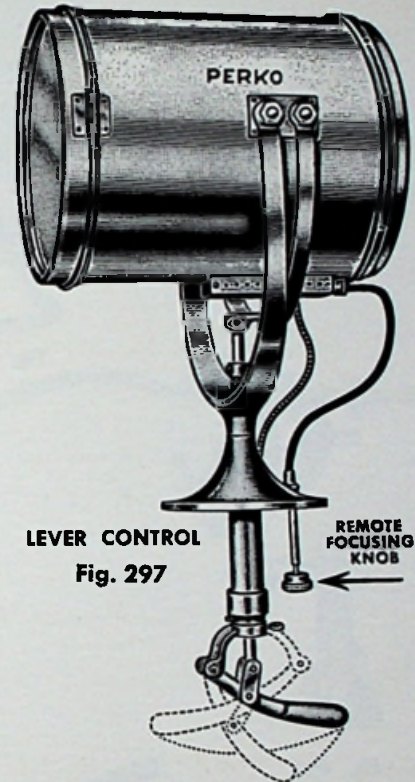
**Dimensions for Figs. 297 & 529**

Size Inches	Diameter Reflector Inches	Spare Reflectors Each	Range	Beam Candle Power
8	8	\$25.50	up to ¾ mile	350,000
10	10	25.50	up to 1 mile	590,000
12	12	36.50	up to 1½ miles	700,000
14	14	59.00	up to 2 miles	850,000

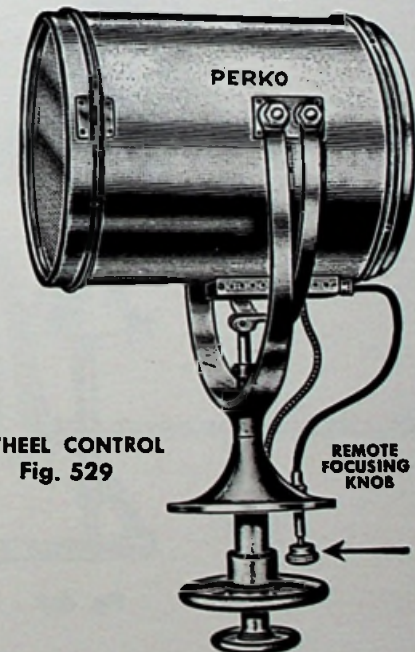
Size Inches	Length of Body Inches	Clearance of Glass in Door Inches	Height Above Deck Inches	Diameter of Base Inches	Weight Pounds
8	12¾	7¾	19	6¾	30
10	14¾	9½	21	6¾	34
12	17	11¾	24	6¾	41
14	19	13½	26	8½	56

**NOTES**

With 120 volt 1000 watt mogul screw bulb (special construction) in 12 or 14 inch sizes only, add \$40.00 each. Standard length of control below base; Fig. 297, all sizes, from base to fulcrum of handle is 8 inches; Fig. 529, all sizes, from base to center of upper wheel rim is 6½ inches. Special length of pilot house control on Fig. 297 only, price on application. Spare medium screw sockets, \$1.20 each. Spare mogul screw socket, \$1.75 each.



LEVER CONTROL  
Fig. 297  
REMOTE FOCUSING KNOB



WHEEL CONTROL  
Fig. 529  
REMOTE FOCUSING KNOB

## PERKO SEALED BEAM SEARCHLIGHTS

### All Brass—Chromium Plated—Clear Lens—Not Fluted

The one piece sealed beam unit is most practical for marine searchlights because it is absolutely waterproof and vibration proof. In cases where rod passes through pilot house roof, a watertight packing gland is installed around rod to prevent leakage.

SIZE NO. 1 — 6 AND 12 VOLT — 30 WATT — RANGE ABOUT ¼ MILE— 45,000 BEAM CANDLEPOWER  
 SIZE NO. 2 — 6 AND 12 VOLT — 30 WATT — RANGE ABOUT ⅓ MILE— 95,000 BEAM CANDLEPOWER  
 SIZE NO. 3 — 6 AND 12 VOLT — 100 WATT — RANGE ABOUT ½ MILE—200,000 BEAM CANDLEPOWER  
 SIZE NO. 3 — 32 VOLT — 200 WATT — RANGE ABOUT ⅔ MILE—260,000 BEAM CANDLEPOWER

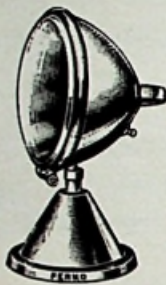


Fig. 454

#### DECK CONTROLLED SEARCHLIGHT — Fig. 454

With Toggle Switch in Head—Wiring Not Visible

No.	6 Volt Each	12 Volt Each	Diam. Lens Inches	Diam. Base Inches	Height Above Deck Inches	Weight Pounds
1	\$20.50	\$21.00	4½	3½	7⅝	1¼
2	22.00	22.50	6	4¾	9	1¾
3	38.00	38.50	7	4¾	13	4

For 32 volt, size No. 3 only, add \$5.50.

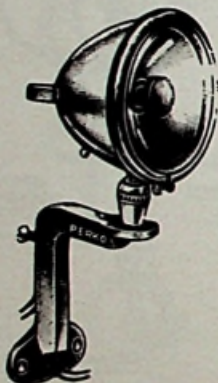


Fig. 452

#### SIDE CONTROLLED SEARCHLIGHT — Fig. 452

With Toggle Switch in Head

The head swivels and tilts to various positions. Wiring can pass through front or back of bracket.

No.	6 Volt Each	12 Volt Each	Diameter Lens Inches	Width Bracket Inches	Height Overall Inches	Weight Pounds
1	\$23.50	\$24.00	4½	4¾	9½	2
2	25.00	25.50	6	4¾	11	2¼

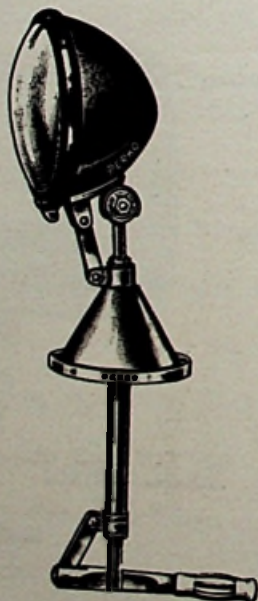


Fig. 437

#### PILOT HOUSE CONTROLLED SEARCHLIGHT — Fig. 437

Wiring Not Visible

Length of control below base, 8 inches. Complete with finishing plate for under side of cabin roof and position locking device.

No.	6 Volt Each	12 Volt Each	32 Volt Each
2	\$44.50	\$45.00	
3	58.50	58.50	\$63.00

No.	Diam. Lens Inches	Diam. Base Inches	Height Above Deck Inches	Weight Pounds
2	6	4¾	10½	3
3	7	6¼	13½	5



**REMOTE CONTROLLED SEARCHLIGHTS — Fig. 241**

**OPERATION FROM DASH**

**Brass—Chromium Plated—Sealed Beam—6-12-32 Volts**

Easily operated vertically and horizontally by pulling or twisting attractive control handle on dash. May be mounted at any desired location on deck. Control casing is galvanized steel with okoseal rubber covering which protects against corrosion and retains grease.

No.	WITH 30 INCH CONTROL		
	6 Volt Each	12 Volt Each	32 Volt Each
1	\$44.00	\$44.50	
2	45.50	46.00	
3	62.00	62.00	\$66.50

No.	WITH 40 INCH CONTROL		
	6 Volt Each	12 Volt Each	32 Volt Each
1	\$47.00	\$47.50	
2	48.50	49.00	
3	65.00	65.00	\$69.50

No.	WITH 50 INCH CONTROL		
	6 Volt Each	12 Volt Each	32 Volt Each
1	\$50.00	\$50.50	
2	51.50	52.00	
3	68.00	68.00	\$72.50

No.	Diam. Lens Inches	Height Above Deck Inches	Diam. Base Inches	Weight Pounds
1	4½	10½	4¾	2½
2	6	12	4¾	3
3	7	14	4¾	5

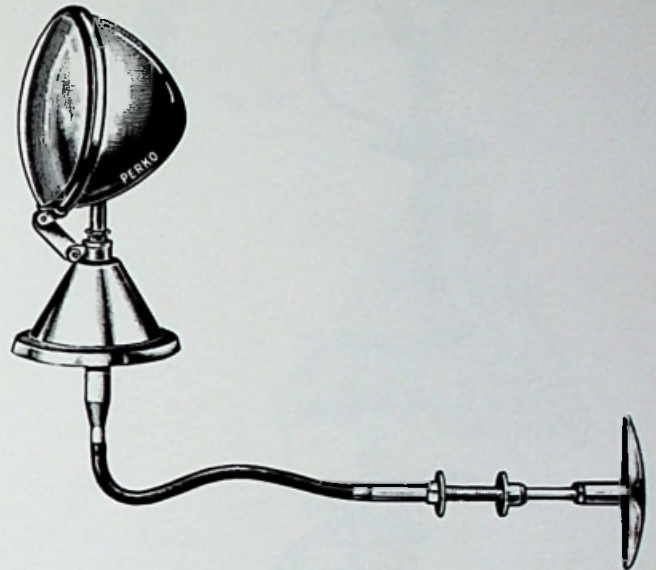


Fig. 241

**REMOTE CONTROLLED SEARCHLIGHT — Fig. 283**  
**Brass—Chromium Plated Sealed Beam—6-12-32 Volts**  
**—Mounts on Cabin Roof for Operation from Flying Bridge**

One control handle directs beam horizontally and vertically without effort and with positive hold control. Supplied complete with one rod stanchion, windshield bearing and a clamp for holding head in fixed position. Length of control rod is 48 inches.

6 Volt Each	12 Volt Each	32 Volt Each
\$82.00	\$82.50	\$87.50

For longer control rod add \$3.00 for each 12 inches or fraction thereof. Extra rod stanchions \$2.50 each.

Diam. Lens Inches	Diam. Base Inches	Height Overall Inches	Weight Pounds
7	6	16¼	5½

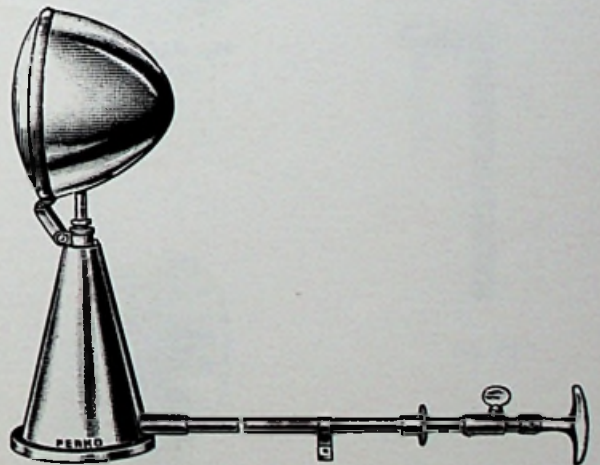


Fig. 283



Fig. 306

**SUNBEAM SEARCHLIGHTS — Fig. 306**

With Glass Mirror Reflector — 6 or 12 Volts — 50 Candle-power — Double Contact Socket — Encased Wiring — Focusing Device — Watertight glands at cable and Control Rod Entrances — For Pilot House Control

Length of control rod below base 10 inches. No. 3 has parabolic mirror reflector. Range is about 1/2 mile. No. 4 has mangin mirror reflector and 100 C.P. bulb. Range is about 3/4 mile.

No.	Diam. Inches	Diam. Reflector Inches	Height Above Deck Inches	32 Volt	
				Polished Brass Each	Chromium Plated Each
3	8	7 1/4	14	5 1/2	11
4	8	7	14	5 1/2	11

No.	6 or 12 Volt		32 Volt	
	Polished Brass Each	Chromium Plated Each	Polished Brass Each	Chromium Plated Each
3	\$105.00	\$120.00	\$107.00	\$122.00
4	113.00	128.00	115.00	130.00

No 3 with 100 C. P. Bulb in any of above voltages, add \$2.50 each.

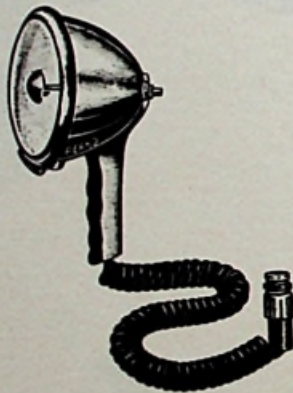


Fig. 440

**HAND SEARCHLIGHT — Fig. 440**

Brass — Chromium Plated — Sealed Beam — Pistol Grip — Push Button Switch — 8 Feet Coiled Cord — With Double Contact or Cigar Lighter Plug.

Has sealed beam spotlight unit, range about 1/4 mile. Supplied with ring on handle for hanging.

Volts	Each	Diameter Lens Inches	Weight Pounds
6	\$22.50	4 1/2	2
12	23.00	4 1/2	2

D. C. Socket for above, see Figs. 423 or 472. Supplied with cigar lighter plug unless otherwise specified.



Fig. 433

**SEALED BEAM SPOTLIGHT UNITS — Fig. 433**  
6 - 12 - 32 Volts

This sealed, all glass unit is used in the searchlights on the preceding pages. Lens is hermetically sealed to reflector. Dirt and moisture are sealed out and reflector can't tarnish.

No	6 Volt Each	12 Volt Each	32 Volt Each	Diam. Lens Inches	Watts	Range About
1	\$3.00	\$3.75		4 1/4	30	1/4 mile
2	3.00	3.75		6	30	1/2 mile
3	6.50	6.50		7	100	1/2 mile
3			\$10.75	7	200	3/4 mile

**FLOODLIGHT — Fig. 227**  
Weatherproof—With Mogul Socket

With polished spun aluminum reflector and heat resisting glass lens. Cast aluminum bracket, spun aluminum housing.

For mounting on wall, cross arm or pipe up to 2 inches.

Each	Spare Lens Each	Spare Rims Each	Diam. Lens Inches	Length Housing Inches	Maximum Wattage	Weight Pounds
\$28.50	\$7.75	\$4.75	12	14	500	7

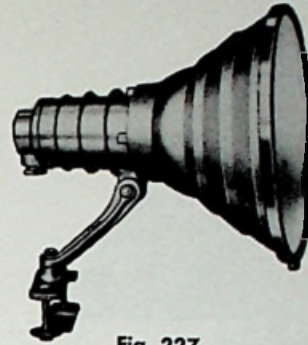


Fig. 227

**DECK TYPE FLOODLIGHT — Fig. 228**  
With Medium Screw Socket

With aluminum enameled reflector and weatherproof sealed lens. Gray tone enamel exterior and 6 foot approved cord and plug.

Each	Diam. Lens Inches	Length Housing Inches	Diam. Base Inches	Maximum Wattage	Weight Pounds
\$9.25	7½	8	4¼	100	3

Spare lenses with gasket, \$4.25 each  
Spare rim for lens, \$2.40 each

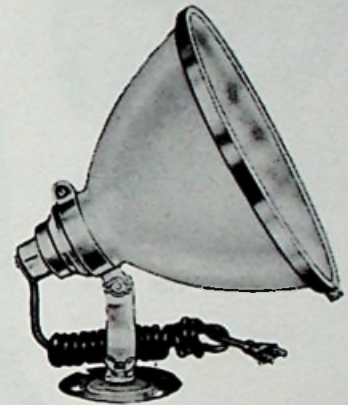


Fig. 228

**SPREADER FLOODLIGHT — Fig. 268**  
All Brass—Chromium Plated—Sealed Beam  
6 - 12 - 32 Volts

A fully watertight unit for flood-lighting decks, anchorages, docks or sails.

6 Volt Each	12 Volt Each	32 Volt Each	Diameter Overall Inches	Depth Inches	Size Mounting Plate Inches	Weight Pounds
\$13.00	\$13.00	\$15.00	4⅝	4¼	5⅝ x ¾	1¼

Spare sealed beam units, 6 or 12 volts, \$2.75 each  
Spare sealed beam units, 32 volts, \$4.50 each  
12 volt will be shipped unless otherwise specified

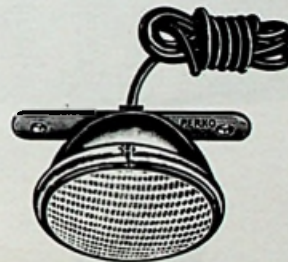


Fig. 268

**ELECTRIC COMPASS LIGHT — Fig. 707**  
Brass—Chromium Plated

To be mounted on compass box for illuminating compass at night. A shield is furnished over the bulb to eliminate glare. Shield has small hole sufficient to illuminate proper portion of compass card.

Chromium Plated Each	Height Overall Inches	Weight Ounces
\$4.50	8	5

Note — Shield will accommodate a ¾ inch diameter double contact bulb.

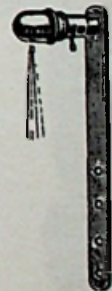


Fig. 707

**FRONT LENS FOR SEARCHLIGHTS — Fig. 429**

Diam. Inches	Each	For Searchlights Fig. and Size
7⅝	\$2.50	306
8⅜	2.75	297-529— 8 inch
10¼	3.15	297-529—10 inch
12¼	4.30	297-529—12 inch
14¼	5.00	297-529—14 inch



Fig. 429

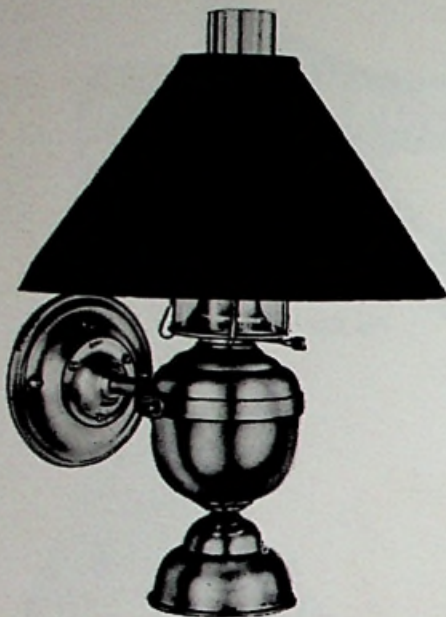


Fig. 1214

**ELECTRIC CABIN LAMP For WALL MOUNTING—Fig. 1214**  
With Metalloid Shade—All Brass—With Medium Screw  
Socket Double Swinging—Weighted Base Clear Globe  
—Turn Switch

An Authentic and traditional whale oil type cabin lamp electrified. A most attractive lamp—a conversation piece.

Polished Brass Each	Less Shade		Shade Only Each
	Chromium Plated Each		
\$31.00	\$37.00		\$4.25
Height Overall Inches	Dimensions Shade Inches	Diameter Wall Plate Inches	Weight Pounds
15	3x11x6	4¾	4½

With Frosted Globe add \$.25 each

Spare Globes, Clear \$1.00 Each Frosted \$1.25 each

Polished Brass Lamp furnished with gold shade and Chromium Plated Lamp furnished with silver shade.

**ELECTRIC CABIN LAMP FOR TABLE OR DESK—Fig. 1215**  
With Metalloid Shade—All Brass—With Medium Screw  
Socket Weighted Base—Clear Globe—Turn Switch

A good lamp for cabin of yacht or houseboat—Weighted base prevents tipping.

Polished Brass Each	Less Shade		Shade Only Each
	Chromium Plated Each		
\$23.00	\$27.00		\$4.25
Height Overall Inches	Dimension Shade Inches	Diameter Base Inches	Weight Pounds
15	3x11x6	3¾	3½

With frosted globe, add \$.25 each

Spare Globes, Clear, \$1.00 Each Frosted \$1.25 each

Polished Brass Lamp furnished with gold shade and Chromium Plated Lamp furnished with silver shade.



Fig. 1220



Fig. 1215

**CANDLE BURNING CABIN LAMP — Fig. 1220**

For Table or Desk — All Brass — With Weighted Base  
Frosted Globe

A very attractive and traditional marine lamp for use where electricity is not available or cozy atmosphere is desirable in nautical surroundings.

Polished Brass Each	Chromium Plated Each	Height Overall Inches	Diameter Base Inches	Weight Pounds
\$21.75	\$25.75	15	3¾	3¼

Metalloid Shade for above, \$4.25 Each. See Fig. 1214  
Spare Globes, \$1.25 each.

**SHIPS VENT DESK OR TABLE LAMP — Fig. 1196**  
All Brass — Walnut Base — With Switch

A replica of a ships ventilator used for illumination gives the nautical touch to marine surroundings.

Polished Brass Each	Chromium Plated Each	Height Overall Inches	Diameter Base Inches	Weight Pounds
\$27.50	\$31.50	9½	5¼	1½



Fig. 1196

**AUTHENTIC MARINE TABLE LAMPS**  
**All Solid Brass—With Attractive Metalloid Shades**

Presenting an attractive assortment of table lamps designed for those who have a natural love for the sea and vessels that sail upon it, and who desire a nautical atmosphere or motif in their surroundings, be it their home, boat, office, club or eating place. Manufactured and designed by this country's oldest and most highly regarded manufacturer of navigation lights, these lamps are the real thing, not imitations.

All lenses are true molded fresnels made to government requirements for navigational purposes, in light transmission and color. Colors (Red, Green, Blue or Amber) are molded into the lens, not coated or painted.

All wired and complete with plug.

Fig.	Lamp Only Less Shade		Shade Only Each
	Polished Brass Each	Chromium Plated Each	
1210	\$40.00	\$48.00	\$10.80
1211	22.50	25.50	5.25
1212	27.00	31.00	7.00
1213	26.00	28.75	5.25

Prices shown above apply to Fig. 1210 with white frosted globe, Figures 1211 or 1212 with clear fresnel lenses.

Fig. 1210 with colored globe (red, green or blue) add \$4.25 each.

Fig. 1211 with colored lens (red, green or amber) add \$1.00 each.

Fig. 1212 with colored lens (red, green or amber) add \$1.80 each.

Fig.	Height Inches	Diameter Base Inches	Size of Shade Inches	Size of Globe Inches	Weight Pounds
1210	29½	5¾	13x15x15	8	4¾
1211	18	4¼	8x10x10	3-5/16	2½
1212	23½	5¾	10x12x12	4-1/4	3¾
1213	18	5¼	8x10x10		2¾

Height shown above is from base to top of shade. Sizes of shade shown above are 1st, diameter of top, 2nd, diameter of bottom; 3rd, height.

Figs. 1210, 1211 & 1212 are equipped with turn switch for light under shade, inside globe or both.

Fig. 1213 — Diameter of wheel is 4 7/8 inches overall.

Polished brass lamps are furnished with gold shade and Chromium plated lamps are furnished with silver shade.

All lamps shipped complete with shade unless otherwise specified.

**SOLID WALNUT LAMP BASES — Fig. 1035**  
**Varnished — Satin Finish**

No. 1 size fits Lamp Fig. 1211  
 No. 2 size fits Lamp Figs. 1210 and 1212

No.	Each	Diameter Bottom Inches	Height Inches	Weight Pounds
1	\$6.50	6¾	1¾	5/8
2	7.00	8½	1¾	1 1/8



Fig. 1210



Fig. 1212



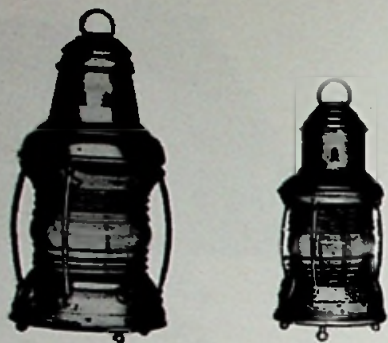
Fig. 1211



Fig. 1213



Fig. 1035



Figs. 1031 & 1033

**ELECTRIC MARINE LAMPS — Figs. 1031 & 1033**  
 For Use Ashore — All Brass — With Fresnel Lenses —  
 Wired — With Switch

These lamps have a variety of uses in the home, club, restaurant, etc.

Fig.	Polished Brass Each	Chromium Plated Each	Height Overall Inches	Diameter Base Inches	Weight Pounds
1031	\$17.50	\$20.00	9 1/4	4 1/2	2 1/8
1033	19.00	22.00	12	5 3/8	3 1/8

Fig. 1033 can be furnished in sheet iron, antique finish, \$17.00 each. Both sizes with red, green, blue or amber lens, Add \$2.50 each.

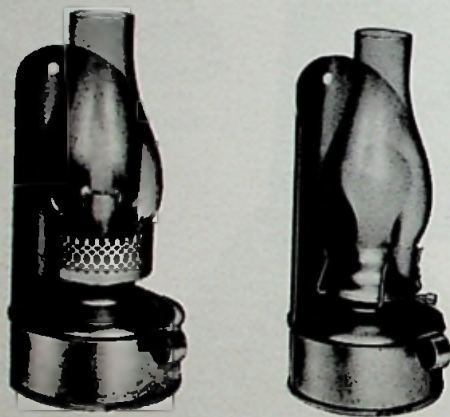


Fig. 1037

Fig. 1036

**"PILGRIM" WALL LAMP — Fig. 1036**  
 Electric — All Brass — Clear Globe — With Switch

A Wall Lamp design "as old as the hills" but with a nautical background.

Polished Brass Each	Chromium Plated Each	Height Overall Inches	Diameter Base Inches	Weight Pounds
\$13.50	\$16.50	11 1/4	5	1 1/4

Metalloid shade for above, \$4.25 each. See Fig. 1214  
 With frosted globe, add \$.25 each

**"PILGRIM" WALL LAMP — Fig. 1037**  
 Candle-Burning — All Brass — Clear Globe

Where electricity is not available or electric light not desired, this lamp is effective and practical.

Polished Brass Each	Chromium Plated Each	Height Overall Inches	Diameter Base Inches	Weight Pounds
\$14.00	\$18.00	11 1/4	5	1 1/4

Metalloid shade for above \$4.25 each, See Fig. 1214  
 With frosted globe, add \$.25 each

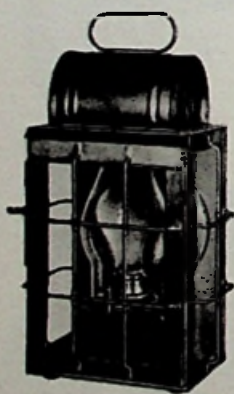


Fig. 1045

**AUTHENTIC SHIP'S BULKHEAD LANTERN — Fig. 1045**  
 Clear Glass Panels — Medium Screw Electric Socket

No.	Galv. Steel Each	Polished Brass Each	Dimensions Inches
1	\$35.00	\$45.00	7x 9 1/2 x 13
2	37.00	47.00	9x13 x17



Fig. 58

**OIL LAMP CONVERTER — Fig. 58**  
 All Brass — Wired

A combination chimney globe holder and medium screw size electric receptacle. For chimney to fit, see Fig. 94.

Each \$4.50

**MARINE HOUSE FIXTURES**

All Brass — Medium Screw Electric Socket — Wired

**Flush Canopy — Fig. 1023**

No.	Polished Brass Each	Chromium Plated Each
1	\$18.00	\$22.50
2	20.50	25.00

**Canopy and Chain — Fig. 1024**

No.	Polished Brass Each	Chromium Plated Each
1	\$18.50	\$23.00
2	21.00	25.50

**Wall Bracket — Fig. 1025**

No.	Polished Brass Each	Chromium Plated Each
1	\$20.00	\$24.50
2	22.50	27.00

Dimensions: Figs. 1023, 1024 & 1025

No.	Height Lamp Only Inches	Diam. Lamp Inches	Height Lens Inches	Approx. Weight Pounds	COLORED LENSES	
					Red - Green - Amber	No. Add Each
1	8 $\frac{3}{8}$	4 $\frac{1}{2}$	3 $\frac{3}{8}$	3	1	\$2.00
2	11 $\frac{3}{8}$	5 $\frac{5}{8}$	4 $\frac{1}{4}$	4	2	2.40

**Canopy and Chain With White Frosted Globe—Fig. 1032**

No.	Polished Brass Each	Chromium Plated Each	Height Lamp Only Inches	Diam. Globe Inches	Approx. Weight Pounds
1	\$30.00	\$35.50	11	6	3
2	33.00	38.50	14	8	4 $\frac{1}{2}$
3	64.00	72.00	16 $\frac{1}{2}$	10	6 $\frac{1}{2}$

With colored Globe No. 1 (red or blue), Nos. 2 and 3 (red, green or blue), add \$2.00 each.

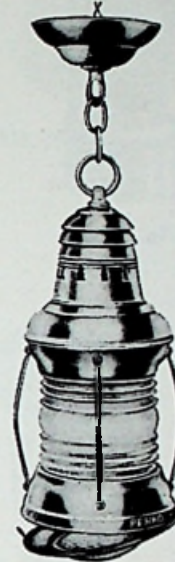
If larger lights are required, see Fig. 23. Prices on application. Hanging Fixtures Figs. 1024 & 1032 furnished with 12" of chain.

**SHIP'S MASTHEAD LIGHT — Fig. 1034**

Medium Screw Electric Socket — Flat Back For Wall Mounting

No.	Polished Brass Each	Height Light Inches	Width Light Inches	Height Lens Inches	Weight Pounds
1	\$57.50	14	7	5 $\frac{1}{2}$	7 $\frac{1}{2}$
2	78.00	18 $\frac{3}{4}$	9	7 $\frac{1}{2}$	14

Colored lenses. Red, Green or Amber, add \$11.00 to above prices.



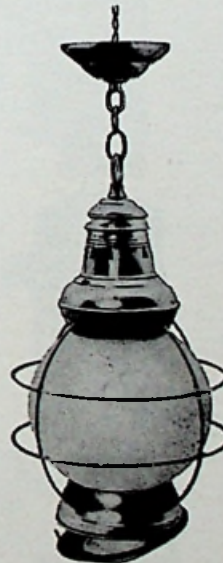
CANOPY AND CHAIN  
Fig. 1024



FLUSH CANOPY  
Fig. 1023



WALL BRACKET  
Fig. 1025



CANOPY and CHAIN  
WHITE FROSTED GLOBE  
Fig. 1032

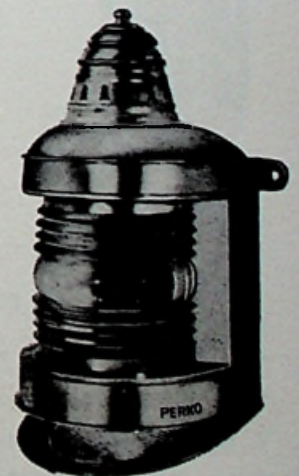


Fig. 1034

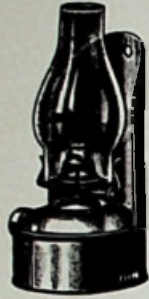


Fig. 312

**UNIVERSAL WALL OIL LAMP — Fig. 312**  
Tin Plate or Brass

Has polished reflector and gives excellent illumination. Uses No. 2 size wick.

Tin Each	Polished Brass Each	Spare Chimneys Each	Spare Burners Each	Height of Back Inches	Diam. of Fount Inches	Weight Pounds
\$6.30	\$8.60	\$1.30	\$1.00	9	5	1½



Fig. 168

**JUNIOR CABIN OIL LAMP — Fig. 168**  
Double Swing—Weighted Base—All Brass

Same construction as our well known Newport Cabin Lamp Fig. 141, but reduced in size for use where space or headroom is limited.

No.	Polished Brass Each	Chromium Plated Each	Overall Height Inches	Extension Inches	Capacity Fount Pints	Weight Ounces
0	\$13.25	\$17.00	9	5	½	19



Fig. 141

**NEWPORT CABIN OIL LAMP — Fig. 141**  
Double Swing—Weighted Base—All Brass

This lamp is of very sturdy construction, refined appearance and minimum practical extension from wall. Diameter of wall plate 2½ inches.

No.	Polished Brass Each	Chromium Plated Each	Overall Height Inches	Extension Inches	Capacity Fount Pints	Weight Pounds
1	\$13.75	\$17.50	10½	5½	1	1¾
2	15.75	19.75	12½	6	1¼	2



Fig. 128

**SMOKE BELL AND ARM — Fig. 128**  
All Brass

No.	Polished Brass Each	Chromium Plated Each	Diam. Bell Inches	Extension to Center Inches	Weight Ounces
0	\$3.50	\$4.75	3½	3¾	3½
1	3.50	4.75	4	3¾	4
2	3.50	4.75	4	4	4

No. 0 size is for lamp Fig. 168.

No. 1 and 2 sizes are for lamp Fig. 141.



Fig. 1087  
Ceiling Type



Fig. 1090  
Bulkhead Type

**VAPOR-PROOF FIXTURES — Figs. 1087 & 1090**  
Combination Junction Box—Ceiling and Bulkhead Type—Cast Bronze with 6" Cast Guards—Screw Glass Globes

Fig.	Type	Each	For Lamp Wattage	Weight Pounds
1087	Keyless	\$17.75	60 to 100	4
1090	Keyless	17.75	60 to 100	4½

Spare Guards, \$5.50 Each. Spare Globes, \$1.50 Each  
Above fixtures have one ½ inch I.P.S. tapping. Extra tapping \$ .50 per hole.

**SPARE PARTS FOR CABIN LAMPS**

No.	Each
0 and 1 Spare Burners Fig. 231	\$ .90
0 and 1 Spare Chimneys Fig. 230	.75
2 Spare Burners Fig. 242 No. 2	2.90
2 Spare Chimneys Fig. 267 No. 2	1.38



**ELECTRIC CABIN FIXTURES**

**With Medium Screw Sockets  
For 6 — 12 — 32 or 110 Volts**

**STREAMLINE PATTERN — Fig. 217**

**Zamak Die Casting—Chromium Plated—Turn Switch**

Chromium Plated Each	Size Base Inches	Drop Less Lamp Inches	Depth Less Lamp Inches	Weight Ounces
\$2.25	2½x2¼	2¼	2½	8

Spare socket with switch, \$.95 each.



Fig. 217

**STREAMLINE PATTERN — Fig. 1295**

**With Power Takeoff Receptacle for Electric Razor and Appliances—Zamak Die Casting—Chromium Plated—Turn Switch**

Chromium Plated Each	Size Base Inches	Drop Less Lamp Inches	Depth Less Lamp Inches	Weight Ounces
\$2.75	2½x2¼	2¼	2½	8½

Spare socket with switch \$.95 each.

Spare power receptacle \$.40 each.

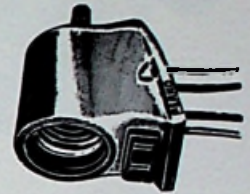


Fig. 1295

**UPRIGHT PATTERN — Fig. 225**

**Zamak Die Casting—Chromium Plated—Turn Switch**

Chromium Plated Each	Size Base Inches	Length Overall Inches	Projection Less Lamp Inches	Weight Ounces
\$3.75	3½x2¼	5½	2¾	10

Spare socket with switch, \$.95 each.



Fig. 225



Fig. 450

**SQUARE BASE PATTERN — Fig. 450**

**Cast Bronze—Toggle Switch**

Polished Bronze Each	Chromium Plated Each	Size Base Inches	Drop less Lamp Inches	Projection less Lamp Inches	Weight Ounces
\$5.25	\$5.65	2x2	2	2¾	12

Spare interior with switch, \$1.00 each.

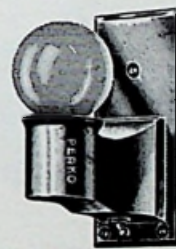


Fig. 304



Fig. 1237

**UPRIGHT PATTERN — Fig. 304**

**Cast Bronze—Toggle Switch**

Polished Bronze Each	Chromium Plated Each	Size Plate Inches	Projection Less Lamp Inches	Weight Ounces
\$7.25	\$8.00	4½x2¾	2¾	17

Spare interior with switch, \$1.00 each.

**OVAL BASE PATTERN — Fig. 1237**

**Zamak Die Casting—Chromium Plated—Turn Switch**

Chromium Plated Each	Size Base Inches	Drop Less Lamp Inches	Projection Less Lamp Inches	Weight Ounces
\$3.30	4½x1¾	4½	2¾	6

Spare socket with switch, \$.95 each.



For Hanging Bulb  
Fig. 27



For Upright Bulb  
Fig. 28

**MARINE SHIELDS FOR FIXTURES — Fig. 27 & 28**

**Translucent Plastic—Washable—Hand Laced to Brass Plated Frame—Painted or Plain**

Colorful painted marine design makes these shields very decorative and appropriate for a yacht stateroom, cabin, club or marine room. Metal clip is for bulb up to 60 watts.

Painted Each	Plain Each	Width Inches	Height Inches	Weight Ounces
\$2.25	\$1.75	4¾	4¾	1½



Fig. 341

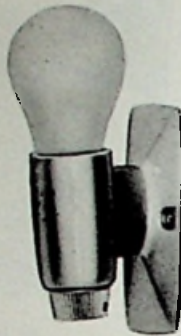


Fig. 1219

**ADJUSTABLE ELECTRIC BERTH LIGHT — Fig. 341**  
Anodized Aluminum with Satin Chrome Finish

Available with double contact or medium screw socket. Shade may be adjusted to any angle and locked into place. Provides directional illumination . . . ideal for use in the deck house to light desired areas without interfering with helmsman's vision.

No. 1 has double contact bayonet socket. No. 2 has medium screw socket.

No.	Each	Height Overall Inches	Normal Projection Inches	Diameter Wall Plate Inches	Weight Ounces
1	\$7.50	5½	4¼	3-1/16	5½
2	9.00	7	4¾	3-5/8	7

**ELECTRIC CABIN FIXTURE — Fig. 1219**

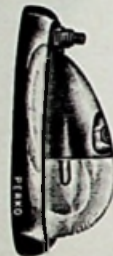
Zamak Die Casting—Chromium Plated—Turn Switch

Each	Base Dimensions Inches	Projection Less Lamp Inches	Weight Ounces
\$3.50	3⅞ x 1½	2⅝	6



Front View

Fig. 301



Side View

**TEAR-DROP FIXTURE — Fig. 301**

Chromium Plated—All Brass—Double Contact Socket—Turn Switch

An attractive fixture for cabin or berth. Has streamlined thick glass globe and supplied with 6 volt 21 C.P. bulb.

Complete Each	Spare Globe Each	Spare Socket Each	Spare Bulb Each	Overall Size Inches	Depth Inches	Weight Ounces
\$6.80	\$1.00	\$0.50	\$0.40	5x3	1¼	11

Spare Switches, \$.90 each. Spare Gaskets, \$.30 each.

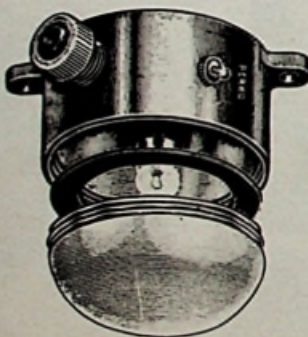


Fig. 1266

**WATERTIGHT DOME LIGHT — Fig. 1266**

Cast Bronze—Double Contact Socket—Diffusing Globe

For small boats. Will accommodate up to a 1⅜ inch diameter bulb. With nickel plated reflector, toggle switch and one packing gland for cable.

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Extreme Diam. Inches	Diam. Inches	Extreme Globe Depth Inches	Weight Pounds
\$13.00	\$16.25	\$17.00	3½	3¼	2¾	1¾

Spare Sockets, \$.60 each. Spare Globes, \$1.00 each. Extra packing glands installed, \$2.00 for each gland.

**DOME LIGHTS — Fig. 170 Round & 171 Square**

For Installation in Ceiling—Opal Globe—Insulated—No Switch—All Brass—Chromium Plated

Since many modern boats have insulated ceilings there is space for set-in dome lights which improves appearance and allows more head room. Both types have asbestos insulation against heat to underside of deck.

Fig.	Size No.	Each	Size Globe Inches	Depth Body Inches	Weight Pounds
170	1	\$13.00	4¼ diam	1½	1
170	2	13.75	5⅝ diam.	1½	1¼
171	3	18.00	6⅜x6⅜	1¾	1¾

Size No. 1 has Double Contact Socket Only. Sizes No. 2 and 3 can be supplied with double contact or medium screw socket. PLEASE SPECIFY.



Fig. 170 Round & 171 Square

**DOME LIGHT — Fig. 294**

**Wrought Brass—With Fig. 257 Diffusing Glass—Toggle Switch—Double Contact Socket**

Diam. Glass Inches	Chromium Plated Each	Diam. Base Inches	Depth Overall Inches	Weight Ounces
3	\$ 8.75	4¼	2	6
4	10.00	5½	2½	9
5	11.00	6½	2½	15
6	13.25	7½	2¾	20

Spare sockets, see Fig. 52



Fig. 294

**DOME LIGHT — Fig. 383**

**Wrought Brass—With Fig. 257 Diffusing Glass—Push Switch—Double Contact Socket**

Diameter Glass Inches	Chromium Plated Each	Diameter Base Inches	Depth Overall Inches	Weight Ounces
3	\$6.75	4½	1¾	6
4	7.50	5½	1¾	9
5	8.00	6¾	2	13

Spare sockets, see Fig. 52



Fig. 383

**DOME LIGHT — Fig. 555**

**Cast Bronze—Toggle Switch—With Fig. 257 Diffusing Glass**

No. 1 has Fig. 52 double contact socket and will accommodate a 50 C.P. bulb.

No. 2 has Fig. 346 medium screw socket and will accommodate a 15 watt bulb, Fig. 340

No.	Chromium Plated Each	Diam. Glass Inches	Diam. Base Inches	Depth Inches	Weight Pounds
1	\$15.75	4	5½	1¾	1¾
2	25.00	6	7¾	3¼	3¾



Fig. 555

**DOME LIGHT — Fig. 296**

**Wrought Brass—With Fig. 132 Frosted Glass—Toggle Switch—Double Contact Socket**

Diam. Glass Inches	Chromium Plated Each	Diam. Base Inches	Depth Overall Inches	Weight Ounces
3	\$ 8.75	4¼	1¾	5½
4	10.00	5½	1¾	8½
5	11.00	6½	2	12
6	13.25	7½	2½	15

Spare sockets, see Fig. 52

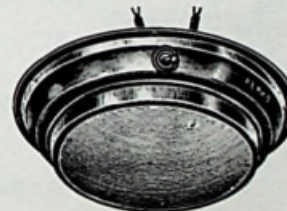


Fig. 296

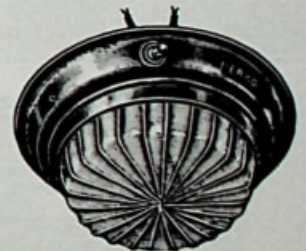


Fig. 385

**DOME LIGHT — Fig. 385**

**Wrought Brass—Opal Globe—Toggle Switch—Double Contact or Medium Screw Socket**

With Fig. 52 Double Contact Socket

No.	Chromium Plated Each	Diam. Base Inches	Diam. Globe Inches	Depth Inches	Weight Ounces
7	\$10.50	6	4¼	2¾	12
8	12.00	7	5¾	2¾	15

With Fig. 346 Medium Screw Socket

9	\$12.50	7	5¾	2¾	16
---	---------	---	----	----	----

Bulb with medium screw base for this light, see Fig. 340. Spare globes, see Fig. 133.

**DOME LIGHT — Fig. 753**

**Wrought Brass—Toggle Switch—Nickel Plated Reflector Frosted Glass Fig. 132—Medium Screw Socket Fig. 346**

Will accommodate a bulb up to 100 watts.

Chromium Plated Each	Diam. Base Inches	Diam. Glass Inches	Depth Overall Inches	Weight Pounds
\$21.00	9¾	8	3	2

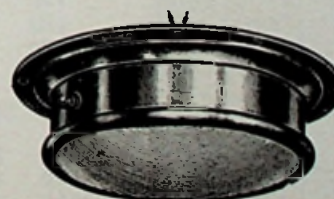


Fig. 753

ALL ILLUSTRATIONS

SHOW ACTUAL SIZE OF BASE



Fig. 337 Bayonet Double Contact (D. C.)



Fig. 56 Miniature Bayonet



Fig. 53 Miniature Screw

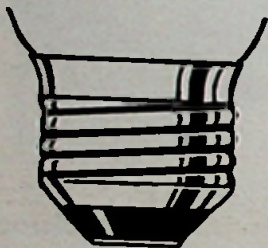


Fig. 340 Medium Screw

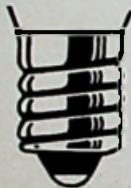


Fig. 57 Candelabra Screw



Fig. 532 Mogul

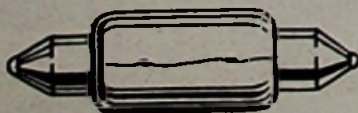


Fig. 70 Cartridge Type

ELECTRIC LIGHTING LAMPS

FIG. 337 BAYONET D.C. BASE

Volts	Candle Power	Amps.	Watts.	Diameter Bulb Inches	Clear Each	Frosted Each
2-7		.15		1	\$2.40	
2-9		.15		1	2.40	
6-8	3			3/4	.23	
6-8	6			3/4	.23	
6-8	15			1	.35	
6-8	21			1	.38	
* 6-8	32			1-3/8	.50	
* 6-8	50			1-3/8	.60	
* 6-8	100			2-1/16	2.10	
12-16	4			3/4	.20	
12-16	6			3/4	.23	
12-16	15			1	.35	
12-16	21			1	.38	
*12-16	32			1-3/8	.60	
*12-16	50			1-3/8	.85	
*12-16	100			2-1/16	2.10	
32	3			3/4	.62	
32	6			1	.70	
32	15			1	.82	
*32	50			1-3/8	1.60	
*32	150	3.5		2-1/16	2.25	
120			6	3/4	.70	
120			10	7/8	.65	

Packed 10 Lamps to a box

FIG. 53 MINIATURE SCREW BASE

1.3	.1	7/16	.32
1.35	.06	3/8	.42
6	.04	9/16	.35

FIG. 56 MINIATURE BAYONET BASE

6	1.5	9/16	.18
12	2	9/16	.18

FIG. 57 CANDELABRA SCREW BASE

120	15	7/8	.90
-----	----	-----	-----

FIG. 340 MEDIUM SCREW BASE

6		15	2-1/8	1.25	1.00
6		25	2-3/8		1.05
6		50	2-5/8		1.15
* 6-8	18	108	3-1/8	8.75	
12		15	2-1/8	1.25	1.00
12		25	2-3/8		1.05
12		50	2-5/8		1.15
*12-18	18	216	3-1/8	9.75	
32		15	1-3/8	1.60	
32		15	2-1/8	1.10	.90
32		25	2-3/8		.75
32		50	2-5/8		.75
*32	8	256	3-1/8	9.25	
120		15	1-3/8	.80	
120		25	1-1/4	.75	
120		50	2-3/8	.65	
120		60	2-3/8	.65	
120		100	2-3/8	.65	
*120		500	2-1/2	15.75	

FIG. 532 MOGUL SCREW BASE

120	Double Filament	50-50	3-1/8	8.50
120	Double Filament	100-100	3-1/8	8.50
*120	Single Filament	1000	2-1/8	15.75

FIG. 70 CARTRIDGE TYPE BASE

12	15	1.17	17/32 x 1-3/4	.50
----	----	------	---------------	-----

\*High Power Lamps with concentrated filament, used in searchlights.

**BLACK BAKELITE SWITCH PANEL — Fig. 517**  
**Engraved White Lettering—Chromium Plated Brass**  
**Switches—Improved 5 Gang Panel**

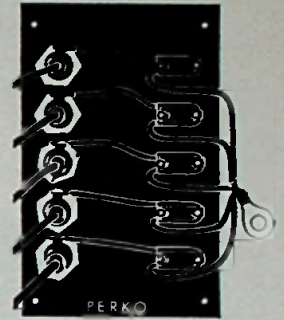
Our stock panel is illustrated. Dealer or user may change name plates as desired as they are removable. For additional selection see Fig. 519. For changes made at factory, add \$1.00 each.

With Fuse Holders Each	Without Fuse Holders Each	With Fuse Holders Size Inches	Without Fuse Holders Size Inches
\$16.50	\$9.00	6½x4¼	6½x3¾

Supplied with fuse holder unless otherwise specified.



Fig. 517



BACK VIEW OF IMPROVED PANEL

**BLACK BAKELITE SWITCH NAME PLATES — Fig. 519**  
**Engraved White Lettering**

In addition to those illustrated, stock name plates are:

Bow Light	Master	Spreader Light
Choke	Masthead Light	Stbd. Light
Deck Lights	Neutral	Starter
Fan	Off	Stern Light
Flood Lights	On	Switch
Forward	Panel Lights	Throttle
Fuel Pump	Pilot	Towing Lights
Heater	Port Light	Docking Light
Horn	Range Light	6 Volt
Ignition	Reverse	12 Volt
Lights	Siren	32 Volt
Fuel	Tachometer	110 Volt

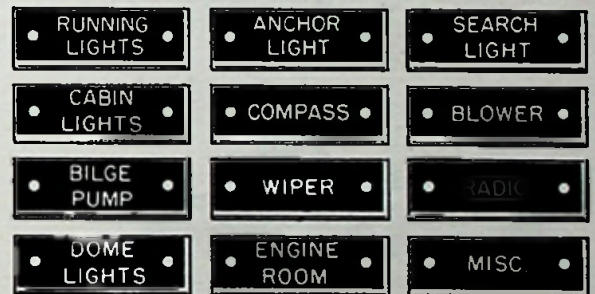


Fig. 519

Per Dozen	Length Inches	Width Inches	Screw Size No.	Weight Per Dozen Ounces
\$4.80	1½	½	4	½

Packed one dozen each name per box.

Less than one dozen each name \$ .60 each.

Special name plates, price on application. Specify lettering and size.

**SPECIAL BLACK BAKELITE SWITCH PANELS — Fig. 516**  
**Engraved White Lettering—Chromium Plated Brass**  
**Switches**

We can supply special switch panels, with and without fuse holders such as 8, 12, 16 position etc. with any assortment of name plates engraved or blank for spares. Price on application and based on quantity required.



Fig. 516



Fig. 514



Fig. 518

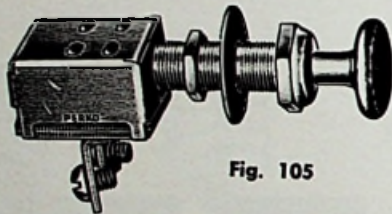


Fig. 105

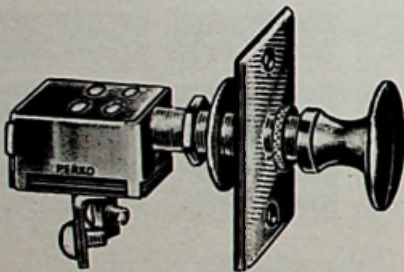


Fig. 216

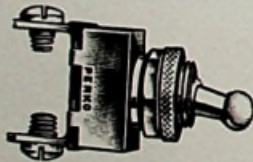


Fig. 688



Fig. 718



Fig. 745

**BLACK BAKELITE STARTER AND IGNITION PANEL — Fig. 518**

Engraved White Lettering—Chromium Plated Brass Button and Switch—2 Point Push Button Starter Switch—Lock Type Ignition Switch with Two Keys

Complete Each	Length Inches	Width Inches	Weight Ounces
\$6.25	4½	2½	5

**BLACK BAKELITE STARTER — IGNITION — LIGHTS PANEL — Fig. 514**

Engraved White Lettering—Chromium Plated Brass Switches—2 Point Push Button Starter Switch—Lock Type Ignition with 2 Keys—Brass Toggle Light Switch

Complete Each	Length Inches	Width Inches	Weight Ounces
\$7.50	5	2½	8

**SPARE PARTS**

Ignition Switches, see Fig. 316.  
Toggle Switches, see Fig. 745.  
Starter Switches, see Fig. 255, all Brass.  
Fuse Holders, enclosed type, \$1.00 each.

**PUSH AND PULL SWITCHES — Fig. 105**  
All Brass—¾ Inch Knob—20 Amp. 6 Volts

No.	Chromium Plated Each	Diam. Neck Inches	For Wood Thickness Inches	Length Overall Inches	Diam. Knob Inches	Weight Ounces
1	\$1.25	¾	1	3	¾	2
2	1.35	¾	1¼	3¼	¾	2½

**PUSH AND PULL SWITCHES — Fig. 216**  
All Brass with Face Plate—¾ Inch Knob  
20 Amp. 6 Volts

No.	Chromium Plated Each	Diam. Neck Inches	For Wood Thickness Inches	Diam. Knob Inches	Size Face Plate Inches	Weight Ounces
1	\$1.45	¾	1	¾	1½ x 1	2½
2	1.55	¾	1¼	¾	1½ x 1	3

**TOGGLE SWITCH — Fig. 688**  
All Brass—Screw Posts—No Leads—30 Amp. 6 Volts

Nickel Plated Each	Length Neck Inches	Diam. Neck Inches	Between Lock Nuts Inches	Weight Ounces
\$.95	¾	¾	⅛	¾

**TOGGLE SWITCH WITH FACE PLATE — Fig. 718**  
Brass with Bakelite Insulation—Screw Posts—No Leads  
30 Amp. 6 Volts

Chromium Plated Each	Face Plate Inches	Weight Ounces
\$1.10	1½ x 1	¾

**TOGGLE SWITCHES — Fig. 745**  
Brass with Bakelite Insulation—With 6 Inch Wire Leads  
20 Amp. 6 Volts

No.	Nickel Plated Each	Length Neck Inches	Diam. Neck Inches	Between Lock Nuts Inches	Weight Ounces
1	\$.75	¾	¾	¾	¾
2	.80	¾	¾	¾	¾

No. 2 supplied unless otherwise specified.  
With watertight cap and chain, add \$1.00 each.

**MOMENTARY STARTER SWITCH  
OR DASHBOARD HORN BUTTON — Fig. 255**

All Brass—Push Button Type—2 Point, 2 Terminal Spring  
Action—Chromium Plated Button—20 Amp. 6 Volts

Each	Diameter Neck Inches	For Wood Thickness Inches	Weight Ounces
\$1.50	$\frac{3}{8}$	1	2½

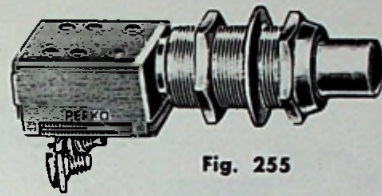


Fig. 255

**IGNITION LOCK SWITCH — Fig. 316**

Brass—Face Plate Chromium Plated—2 Terminal  
2 Keys—30 Amp. 6 Volts

No.	Each	Diameter Neck Inches	Length Neck Inches	Weight Ounces
1	\$2.15	$\frac{3}{4}$	$\frac{3}{4}$	4
2	2.85	$1\frac{1}{8}$	$1\frac{1}{8}$	4½

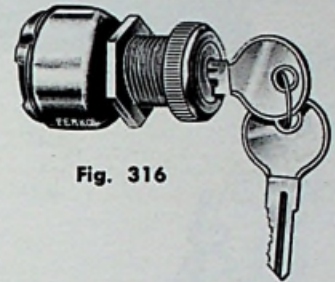


Fig. 316

**IGNITION-STARTER SWITCH — Fig. 310**

All Brass—Lock Type—3 Terminal—2 Keys

3 position switch—OFF - IGNITION - START  
Returns automatically from start to ignition position.  
Face nut is chromium plated, springs are stainless steel.

Each	Diameter Neck Inches	Length Neck Inches	Weight Ounces
\$ 3.60	$\frac{3}{4}$	$1\frac{1}{8}$	4½

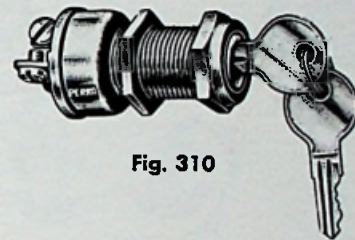


Fig. 310

**3-POSITION PUSH-PULL SWITCH — Fig. 381**

All Brass—3 Terminal—¾ Inch Chromium Plated Knob

3 position switch—OFF - ON - ON  
First "on" position energizes one circuit. Second "on" position energizes all circuits.

Each	Diam. Neck Inches	For Wood Thickness Inches	Length Overall Inches	Weight Ounces
\$ 1.80	$\frac{7}{8}$	1	3½	3

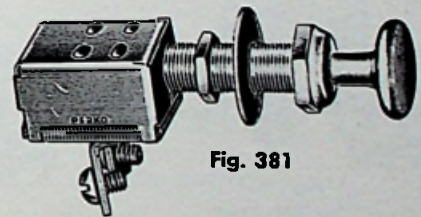


Fig. 381

**SAFETY MAIN SWITCH — Fig. 85**

Red Plastic Housing—Vapor Proof—Multiple Pole  
—300 Amps.

Heavy duty, and completely sealed, this non-corrosive switch eliminates the flashing arcs which are common in open type knife switches. Contacts are heavy gauge copper and springs, set screws, etc. are stainless steel. Snap action knob provides positive control. Used for connecting one or more batteries and shutting off electricity at the source. Supplied for flush mounting with battery cable passing through bulkhead.

Each	Diameter Inches	Depth Inches	Weight Ounces
\$12.50	4¾	1¾	5



Fig. 85

If offset mounting is required, permitting cable to pass in back of housing, we supply a set of offset legs ½ inch long. Per set \$.50.

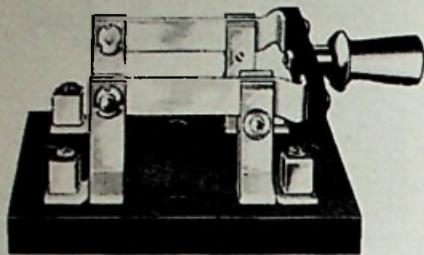


Fig. 191

**KNIFE OR BATTERY SWITCHES — Fig. 191**

**Ebony Asbestos Base—High Jaws—One or Two Pole—Single or Double Throw—250 Volt D.C.—500 Volt A.C.**

**SINGLE POLE—SINGLE THROW**

No.	Each	Amps.	Dimensions Base Inches	Weight Pounds
1	\$ 5.15	60	6 3/4 x 1 3/8 x 3/8	3/4
2	10.30	100	6 3/4 x 2 x 3/4	2 1/2
3	17.25	200	10 x 3 x 1	4

**SINGLE POLE—DOUBLE THROW**

4	\$ 8.25	60	9 1/4 x 2 x 3/4	3 1/2
5	19.00	100	10 x 3 x 3/4	4
6	28.25	200	12 x 4 x 1	8

**DOUBLE POLE—SINGLE THROW**

7	\$ 8.00	60	6 x 4 1/2 x 3/8	3
8	15.50	100	7 1/8 x 5 x 3/4	3
9	26.25	200	9 1/2 x 6 x 1	10 1/4

**DOUBLE POLE—DOUBLE THROW**

10	\$12.25	60	9 1/2 x 6 x 3/4	5 1/4
11	29.50	100	10 1/4 x 7 x 3/4	8 1/2
12	41.50	200	15 x 7 3/4 x 1	16

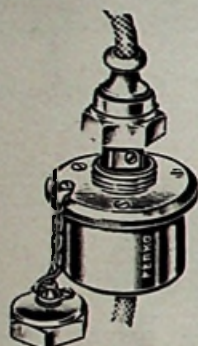


Fig. 969

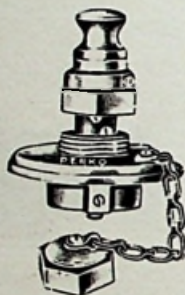


Fig. 968

**RECEPTACLES AND PLUGS — Figs. 968, 969, 970 & 971**  
**Yacht Size—Watertight—Cast Bronze Boxes**  
**6 to 125 Volts**

**Fig. 968 Round Flush Type Without Box — 5 Amp. — 2 Wire**

Complete With Plug Each	Plug Only Each	Diam. Plate Inches	Depth Inches	Weight Pounds
\$16.50	\$5.50	2 1/4	3/4	1/2

**Fig. 969 Round Flush Type With Box — 5 Amp.**  
**Bottom Inlet — 2 Wire**

Complete With Plug Each	Plug Only Each	Diam. Plate Inches	Diam. Box Inches	Depth Box Inches	Weight Pounds
\$19.50	\$5.50	2 1/4	1 1/8	1 1/4	3/4

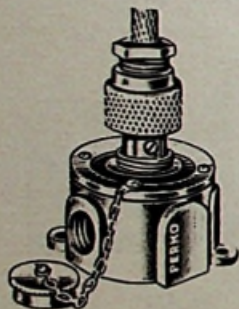


Fig. 971  
Surface Type

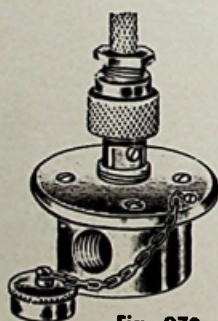


Fig. 970  
Flush Type

**Fig. 970 Heavy Duty Flush Type — 10 Amp. — 2 Wire**

**Fig. 971 Heavy Duty Surface Type — 10 Amp. 2 Wire**

Fig. 970 Complete Each	Fig. 971 Complete Each	Plugs Only Each	Diam. Plate Fig. 970 Inches	Diam. Box Fig. 971 Inches	Weight Pounds
\$21.00	\$19.25	\$5.50	3 1/2	2 3/4	1 1/4

**WATERTIGHT SNAP SWITCH — Fig. 974**

**Flush or Surface Types—Cast Bronze—10 Amp.—2 Wire**

Ratchet under knob to prevent turning in wrong direction.

	Flush Type	Surface Type	Diam. Plate Inches	Diam. Box Inches	Depth Box Inches	Weight Pounds
Single Pole	\$15.50	\$14.50	4	3	1 1/2	2

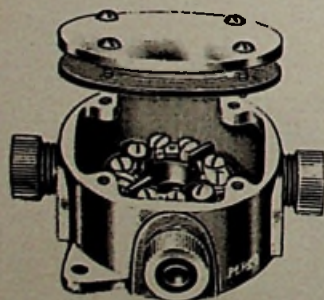


Fig. 1252

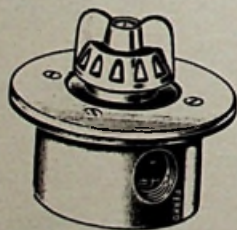


Fig. 974

**WATERTIGHT CONNECTION BOX — Fig. 1252**

**Cast Bronze — Surface Type**

With 4-wire phenolic connection block and rubber gasket. Price does not include packing glands in illustration.

Complete Each	Spare Blocks Each	Inside Diam. Inches	Inside Depth Inches	Weight Pounds
\$10.50	\$ 2.25	3	1 3/4	1 3/4

**NOTE:** All boxes have one 1/2" I.P.S. Tapping. Extra tapings add \$.50 for each hole. Packing Glands for above, \$1.25 each. Chromium plated finish supplied to order, price on application



**WATERTIGHT CONNECTION — Fig. 423 & 425**

**All Brass—Double Contact**

**DECK SOCKET:** All brass, double contact, complete with threaded cap and chain as illustrated. **PLUG:** All brass, double contact, threaded lock nut for fastening to deck socket, Fig. 423. Threaded cap with rubber gasket inside to prevent water running down cable.

	Chromium Plated Each	Dimensions Inches
Socket Only	\$3.00	1½x1¾
Plug Only	2.10	1½x1

Spare electric sockets only, see Fig. 52

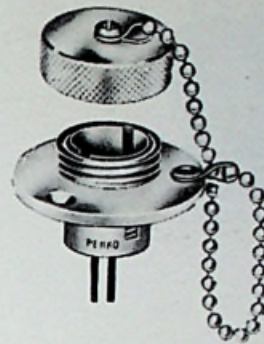


Fig. 423

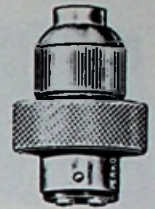


Fig. 425

**WATERTIGHT CONNECTION — Fig. 477**

**All Brass—Double Contact**

Complete as illustrated, with rubber grommet inside cap for cable.

Chromium Plated Each	Composition Interiors Only Per Set	Size Inches
\$3.50	\$ .65	1½x1¼

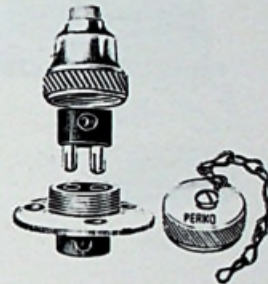


Fig. 477



Fig. 424

**WATERTIGHT CABLE OUTLET — Fig. 424**

**All Brass—for 5/16 inch cable**

Has rubber grommet for watertight passage of cable through deck or bulkhead, also prevents chafing of cable insulation.

Chromium Plated Each	Extreme Diameter Inches
\$1.75	1¼

**FUSED LINE CONNECTOR — Fig. 786**

**Molded Bakelite—With 20 AMP. Fuse and Wire Leads**

FOR STANDARD GLASS FUSES 1¼ INCHES LONG

Each	Length Inches	Diameter Inches	Weight Ounces
\$.50	2¼	¾	¾



Fig. 786

**BOAT TRAILER LIGHT — Fig. 143**

**Chromium Plated—2 Cell Flashlight Case—Red Shatterproof Lens—Adjustable Screw Type Clamp**

Each	Length Overall Inches	Opening In Clamp Inches	Weight Ounces
\$4.75	8¾	2¾	13

Price includes bulb, no batteries.

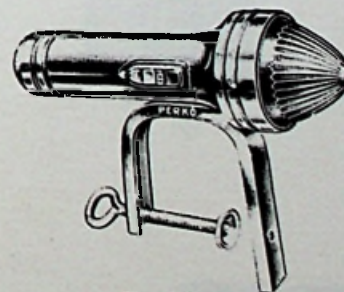


Fig. 143

**DASHBOARD LAMP — Fig. 184**

**Brass—Chromium Plated—Double Contact Socket With Switch**

Bulb is not included.

Each	Length Overall Inches	Size Base Inches	Weight Ounces
\$1.95	2½	1-11/16x1-3/16	1¾



Fig. 184



Fig. 626

**FUSE PANELS — Fig. 626****Black Fibre Base—Brass Parts—For 20 Amp. Glass Fuses**

Number of Gangs	Each	Dimensions Inches	Weight Ounces
3	\$1.50	$2\frac{3}{16} \times 2\frac{3}{8} \times \frac{5}{32}$	2
4	2.05	$3 \times 2\frac{3}{8} \times \frac{5}{32}$	$2\frac{1}{4}$
5	2.50	$3\frac{3}{4} \times 2\frac{3}{8} \times \frac{5}{32}$	$2\frac{1}{2}$
6	3.00	$4\frac{3}{8} \times 2\frac{3}{8} \times \frac{5}{32}$	$2\frac{3}{4}$

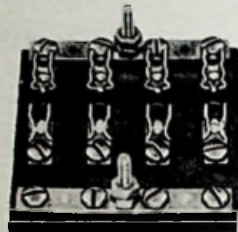
**COMBINATION FUSE AND TERMINAL BLOCK — Fig. 647****With Heavy Duty Binding Posts—Black Fibre Base—Brass Parts—For 20 Amp Glass Fuses**

Fig. 647

Number Of Gangs	Each	Dimensions Inches	Weight Ounces
4	\$ 5.75	$3 \times 3\frac{3}{16} \times \frac{3}{16}$	$3\frac{1}{2}$
6	7.85	$4\frac{1}{2} \times 3\frac{3}{16} \times \frac{3}{16}$	5
8	10.00	$6 \times 3\frac{3}{16} \times \frac{3}{16}$	7
12	15.30	$9 \times 3\frac{3}{16} \times \frac{3}{16}$	11

**FUSE PANELS — Fig. 629****With Single Buss Bar—Black Fibre Base—Brass Parts—For 20 Amp. Glass Fuses**

Fig. 629

Number Of Gangs	Each	Dimensions Inches	Weight Ounces
4	\$2.50	$3 \times 2\frac{3}{8} \times \frac{5}{32}$	2
6	3.75	$4\frac{1}{2} \times 2\frac{3}{8} \times \frac{5}{32}$	3
8	5.00	$6 \times 2\frac{3}{8} \times \frac{5}{32}$	4
12	7.50	$9 \times 2\frac{3}{8} \times \frac{5}{32}$	$6\frac{1}{2}$



Fig. 694

**FUSE PANEL — Fig. 694****Bakelite—Brass Metal Parts  
For Glass Fuses up to 30 Amp**

For two active fuses and one spare.

Each	Dimensions Inches	Length Fuse Inches	Weight Ounces
\$.85	$2\frac{3}{8} \times 1\frac{1}{2} \times \frac{3}{16}$	$1\frac{1}{4}$	$1\frac{1}{2}$

**TERMINAL BLOCKS — Fig. 627****Black Fibre Base—Brass Parts**

Fig. 627

Number of Gangs	Each	Dimensions Inches	Weight Ounces
2	\$.90	$1\frac{1}{2} \times 2 \times \frac{5}{32}$	$1\frac{3}{4}$
4	1.80	$3 \times 2 \times \frac{5}{32}$	2
6	2.70	$4\frac{1}{2} \times 2 \times \frac{5}{32}$	$2\frac{1}{4}$

**ELECTRIC SOCKET ADAPTERS — Fig. 405**  
**For Converting Various Types of Sockets**

No.	Each
650—From Bayonet Dble. Contact to Med. Screw . . .	\$ .90
670—From Med. Screw to Bayonet Dble. Contact . . .	1.20
680—From Med. Screw to Bayonet Single Contact . . .	1.20
830—From Med. Screw to Foreign Bayonet D.C. . . .	1.50
X12—From Mogul to Medium Screw . . . . .	1.20



Fig. 405

**BAYONET DOUBLE CONTACT SOCKETS — Fig. 276**  
**Brass Case—Tapped 1/8 Inch I.P.S.**

Used in De-Lite motor boat lights, classes 1, 2 and 3 and various types of dome lights.

No.	Each	Length Overall Inches	Weight Per Dozen Ounces
0	\$1.00	1 3/8	7
2	1.00	2	11
3	1.10	2 3/8	14

Size No. 2 available in single contact, price on application



Fig. 276

**MEDIUM SCREW SOCKET — Fig. 222**  
**Porcelain—250 volts—660 Watts**

No.	Complete Each	Gaskets Only Each	Height Inches	Size Base Inches	C to C of Slots Inches
1	\$.90	\$.12	1 3/8	2x1 1/4	1 1/2

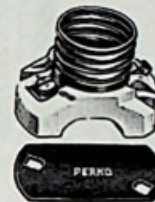


Fig. 222

**MEDIUM SCREW SOCKETS — Fig. 346**  
**Phenolic—250 Volts—660 Watts—**  
**Approved by the U.S.C.G. and U.S.M.A.**

With 1/8 or 3/8 inch I. P. S. thread.

No.	Each	Size Thread Inches	Height Inches	Extreme Diameter Inches	Weight Dozen Pounds
1	\$.70	1/8	1 3/8	1 3/8	1
2	.70	3/8	1 3/8	1 3/8	1



Fig. 346

**BAYONET DOUBLE CONTACT SOCKETS — Fig. 747**  
**Brass Case—Hard Rubber Insulation**

No.	Each	Length Inches	Weight Dozen Ounces
1	\$.60	3/8	5
6	.90	1 1/2	8
7	.90	2	9



Fig. 747

Outside diameter, all sizes, 1 1/16 inches. Nos. 1, 6 and 7, wires enter side, screws in bottom.

Note—No. 1 used in lights Figs. 563, 1138.

No. 6 used in class 2 side and bow lights.

No. 7 used in class 3 side and bow lights.

Single contact available, price on application

**BAYONET DOUBLE CONTACT SOCKET WITH PIGTAILS — Fig. 52**

**Brass Case—Bronze Spring**

An improved socket having a single coil spring below contact platform. A more positive contact. Has 5 inch wire pigtails.

Each	Outside Diameter Inches	Length Inches	Weight Ounces
\$.50	11/16	3/8	1/2

This socket used with the following items:  
 Figs. 294-296-329-348-355-362-371-375-383-385, #7-404-422, #1, #2-423-428-439-491-521-555, #1-600-625-1282-1285-1286. Also all International Lights such as Figs. 962 series-910-A series and 1278 series.



Fig. 52



Candelabra Screw  
Fig. 15



Fig. 472



Fig. 270

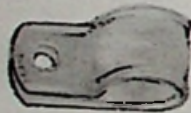


Fig. 196



Fig. 121



Fig. 163  
Single



Fig. 164  
Double



Fig. 165  
Triple

**NAVY STANDARD ELECTRIC SOCKETS — Fig. 15**  
Phenolic Insulation—Bronze Parts

Complies with Navy drawing 9-S-2036-L.

Each	Height Inches	Size Base Inches	Weight Dozen Ounces
\$1.10	1 1/8	1 x 1 1/2	12

**BAYONET SOCKETS — Fig. 472**  
Phenolic—Single and Double Contact

No.	Each	Type	Height Inches	Diam. Base Inches	Weight Dozen Ounces
20	\$1.30	Double contact	1	1 3/8	9
21	1.40	Single contact			

**MOGUL 3-WIRE SOCKET — Fig. 270**  
Phenolic—Navy Drawing 9-4779-L—600 Volts—1500 Watts

For use with double filament bulb Fig. 532.

Each	Height Inches	Outside Diam. Inches	C to C of Mounting Holes Inches	Weight Ounces
\$3.00	2 3/8	2 1/8	1 3/8	6

With white metal mounting cap tapped 3/8 inch I. P. S. add \$.40 each.

**PLASTIC CABLE STRAPS — Fig. 196**  
(Meets Military Spec. MIL-P-3412)

Made of pliable ethyl cellulose in clear amber color, this new strap eliminates the need for insulating cushion and provides excellent cable support at low cost. Single screw saves labor and fastenings. Width for all cable sizes 1/2". I.D. of fastening hole 3/16".

Cable Diameter Inches	Per 100	Cable Diameter Inches	Per 100
3/16	\$2.75	1/2	\$4.00
1/4	2.95	5/8	5.00
5/16	3.20	3/4	5.95
3/8	3.40		

**BRASS CABLE STRAPS — Fig. 121**  
For Cable, Tubing, Control Wire, Etc.

Inside Diam. Inches	Per 100	Length Inches	Width Inches	Inside Diam. Inches	Per 100	Length Inches	Width Inches
1/8	\$2.70	1 1/8	1/2	3/8	\$ 3.90	1 3/8	1/2
3/16	3.00	1 3/8	1/2	1/2	4.20	1 1/2	1/2
1/4	3.25	1 3/8	1/2	5/8	5.00	1 3/4	1/2
3/8	3.25	1 3/8	1/2	3/4	5.50	1 7/8	1/2
1/2	3.60	1 3/8	1/2				

Supplied in boxes of 100 pieces.

**LINE SUPPORT CLIPS — Figs. 163, 164 & 165**  
Aluminum—Synthetic Rubber Cushion

Used in the aircraft industry for supporting electrical, fuel, instrument, oil and water lines.

For O.D. Line Inches	FIG. 163 Per 100	FIG. 164 Per 100	FIG. 165 Per 100	Width Inches
3/16	\$ 8.00	\$14.00	\$17.25	3/8
1/4	8.25	14.00	18.00	3/8
5/16	8.75	14.00	20.00	1/2
3/8	8.75	14.50	21.50	1/2
1/2	10.00	16.50	25.25	1/2

Supplied in Boxes of 100 Pieces

**4-WAY CONNECTOR FOR TRAILER LIGHTS — Fig. 739**

This lustrously, chromium plated, die cast 4-way plug-in socket set is the convenient answer to connecting all trailer lights with auto electrical system. The receptacle end is recessed into the auto body. It features a snap cover which keeps moisture out when plug is not in use and also serves to lock the male plug fast into socket when lights are hooked-up. The plug is keyed to assure all lights are properly connected. Both the socket and the plug are easily wired to inside screw terminals.

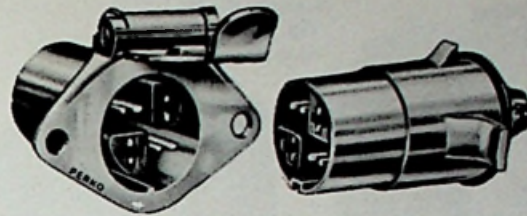


Fig. 739

Each	Length Overall Inches	Width Flange Inches	Weight Ounces
\$2.50	3¾	2⅛	4½

**4-PRONG CONNECTOR — Fig. 751**

**Bakelite Body—Soft Rubber Caps—Screw Terminals—Fixed Polarity—All Brass**

Excellent for boat trailer electrical hookups.

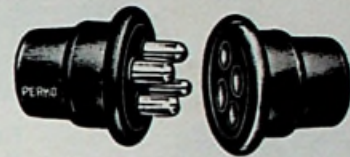


Fig. 751

Each	Length Overall Inches	Diameter Overall Inches
\$1.50	2	1¼

**DOUBLE CONTACT CONNECTOR — Fig. 749**

**Hard Rubber Insulation—Brass Contacts Soft Rubber Waterproof Caps**



Fig. 749

Each	Size Inches	Weight Dozen Ounces
\$ .75	1⅝ x 2½	10

**MIDGET CONNECTOR — Fig. 26**

**Bakelite Body—Brass Contacts**

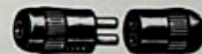


Fig. 26

Each	Size Inches	Weight Dozen Ounces
\$1.35	¾ x 1¼	6

Designed for use in limited space. Split pins insure a firm positive connection.

**DOUBLE CONTACT CONNECTOR — Fig. 42**

**Hard Rubber Insulation—Brass Contacts**

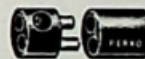


Fig. 42

Each	Size Inches	Weight Dozen Ounces
\$.75	1 x 1⅝	6

**BAYONET DOUBLE CONTACT PLUG — Fig. 746**

**Hard Rubber Plug—Soft Rubber Waterproof Cap**

With flush type contact screws, used with sockets Figs. 276, 472, 747.



Fig. 746

Each	Length Inches	Diam. Inches	Weight Dozen Ounces
\$.50	1½	1⅝	8

**BAYONET DOUBLE CONTACT ADAPTER — Fig. 355**

**Brass and Hard Rubber**

For adapting oil fount to electricity. Screw adapter in place of oil burner and punch hole in bottom of fount for cable entrance.

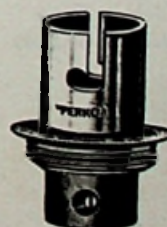


Fig. 355

Each	Length Overall inches	Diam. Thread inches	Weight Dozen Ounces
\$1.20	1¼	¾	8

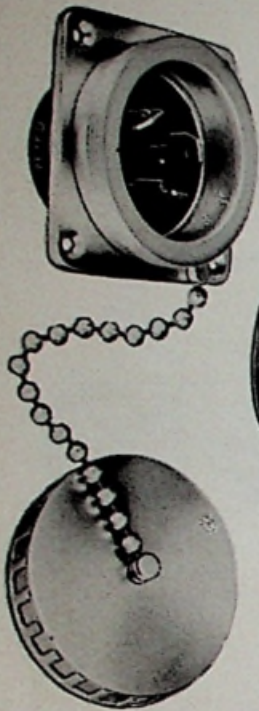


Fig. 1122  
Ship Receptacle

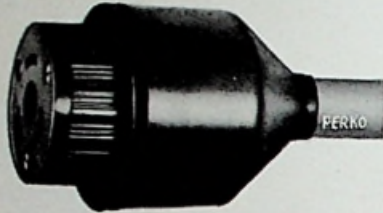


Fig. 1123  
Ship to Shore  
Connector Body



Fig. 1124  
Shore Plug to  
Dock Receptacle

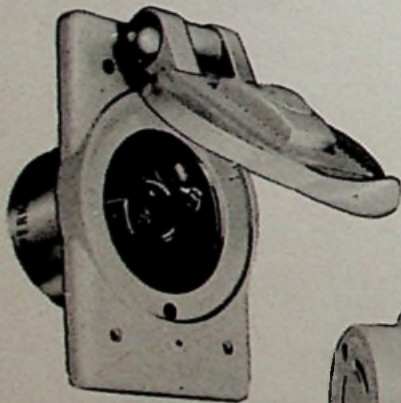


Fig. 1128  
Ship Receptacle

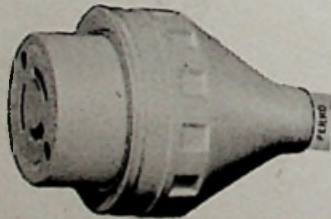


Fig. 1129  
Ship to Shore  
Connector Body

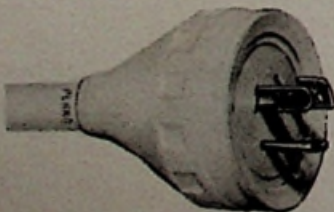


Fig. 1130  
Shore Plug to  
Dock Receptacle

### DELUXE HEAVY DUTY SHIP TO SHORE ELECTRIC CONNECTOR

30 Amps — 125 Volts\* — 3 Wire

Fig. 1122 Ship Receptacle — Polished chrome plated forged bronze screw cap and flange are linked with monel metal bead chain. Neoprene gaskets under flange and cap render receptacle waterproof. All parts are noncorrosive including contacts and screws which are nickel plated brass. Bakelite base provides convenient back wiring. Flange face measures 3" x 3"; through hull depth is 13/16"; thickness outside hull is 1 1/8".

Fig. 1123 Connector Body — Female design eliminates danger of protruding "live" prongs. High impact Bakelite body is shrouded with a tight fitting seal-tite cover. When locked in place, covering serves as a moisture proof gasket with ship receptacle. Cord grip adjustable from .625" to 1" diameter cable. Unit is easily wired because of exclusive screwless pressure grip terminals. Noncorrosive throughout. Length overall is 3 7/8".

Fig. 1124 Shore Plug — Standard design fits conventional 3 wire grounded dockside receptacles. Embodies the same high quality materials and fabrication as Figure 1123 above. Length overall is 3 5/8".

Figure	Each	Diameter Body Inches	Weight Ounces
1122	\$18.65	2	16
1123	9.85	1-13/16	8 1/2
1124	5.85	1- 7/8	7 1/2

### SHIP TO SHORE ELECTRIC CONNECTOR WITH SNAP COVER

Heavy Duty — 20 Amps. — 125 Volts\* — 3 Wire

Fig. 1128 Ship Receptacle — Made of sturdy, reinforced fiberglass, this unit is fitted with a snap cover hinged on a stainless steel pin. A stainless steel spring closes cover tightly on a Neoprene gasket to render the unit virtually waterproof. Frame is also fastened down on a similar gasket. All parts are noncorrosive including nickel plated brass screws and contacts. Screw terminals are provided for inside wiring. Frame and cover are impregnated with a high visibility yellow finish. Frame measures 4 5/8" x 2 7/8"; through hull depth is 1 1/2"; thickness outside hull is 1".

Fig. 1129 Connector Body — Female design eliminates handling dangerous "live" prongs. Yellow Neoprene body and covering serve as moisture proof gasket when locked into ship receptacle. Monel metal screws and contacts. Easily wired to screw terminals inside body. Cord grip adjustable from .437" to .750" cable diameter. Length overall is 3 5/8".

Fig. 1130 Shore Plug — Standard design fits conventional 3 wire grounded dockside receptacles. Embodies same high quality materials and fabrication as Fig. 1129 above. Length overall is 3 5/8".

Figure	Each	Diameter Body Inches	Weight Ounces
1128	\$12.00	2-1/16	10
1129	8.85	1-3/4	8 1/2
1130	6.75	1-3/4	7

\* May also be used with 250 Volts.

**ECONOMY SHIP TO SHORE ELECTRIC CONNECTOR**

**Heavy Duty — 20 Amps. — 125 Volts\* — 3 Wire**

**Fig. 1125 Ship Receptacle** — Polished chrome plated wrought brass receptacle is sealed with a tight fitting, black Neoprene stopper which is attached with a brass chrome plated bead chain. Contacts and screws are brass. Screw terminals provide for inside wiring. Highly corrosion resistant. Depth through hull is 1 3/4".

**Fig. 1126 Connector Body** — Female design provides safe handling... no dangerous "live" prongs. High impact Bakelite body is covered with seal-tite Neoprene covering which forms a moisture proof gasket when locked into ship receptacle. Fitted with brass screws and contacts, the unit is easily wired to screw terminals inside the body. Highly corrosion resistant. Overall length is 3 5/8".

**Fig. 1127 Shore Plug** — Standard design fits conventional 3 wire grounded dockside receptacles. Embodies same quality materials and workmanship as Fig. 1126 above. Overall length is 3 5/8".

Figure	Each	Diameter Overall Inches	Diameter Body Inches	Weight Ounces
1125	\$5.25	2 7/8	2- 1/16	7
1126	5.75	2 1/4	1-3/4	8
1127	4.30	2 1/4	1-13/16	6

Fig. 1125 Ship Receptacle

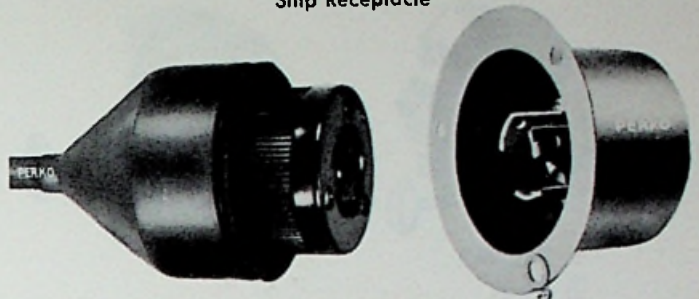


Fig. 1126 Ship to Shore Connector Body

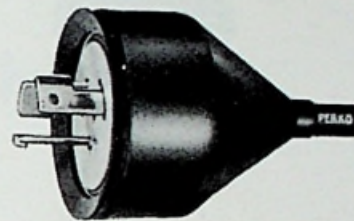


Fig. 1127 Shore Plug to Dock Receptacle

**NEW DUPLEX WALL RECEPTACLE**

Specially designed for Marine Use in Highly Corrosive Atmosphere

**Fig. 1131 receptacle** is a Navy type unit with all brass metal parts and phosphor bronze contacts. Body is made of high impact Bakelite. Each receptacle will accommodate either standard two pronged plugs or grounded 3 pronged plugs. Unit is fitted with two grounding screws for recommended 3 wire systems. 15 Amp. — 125 Volts.

**EACH \$2.50**

**STAINLESS STEEL MARINE COVER PLATE**

**Fig. 1132 cover plate** is made of high quality, noncorrosive 18-8 stainless steel. Its beautiful natural satin finish will last for years.

**EACH \$.95**

**SHIP TO SHORE CONNECTOR — Fig. 72**  
**110 Volts—25 Amps. All Metal Parts Are Brass**

Bakelite base has heavy duty male terminals Plug is phenolic with bronze female prongs, all rubber covered. Will accommodate No. 10 wire. Plug locks in base. A chained rubber cap for base when disconnected.

Complete Each	Diam. Base Overall Inches	Depth of Base Inches	Diam. Hole Required Inches	Weight Ounces
\$3.20	3 1/8	3/4	1 3/4	5

**Plug complete with female interior, each \$2.00**  
**Spare female plug interior only, each \$.90.**

\* May also be used with 250 Volts.



Fig. 1131 Duplex Wall Receptacle

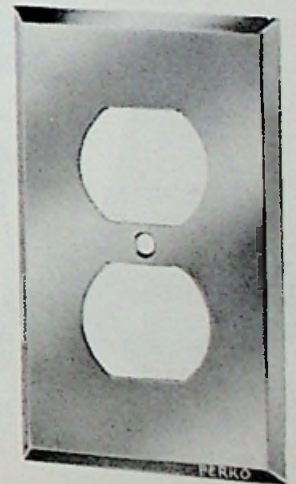


Fig. 1132 Cover Plate

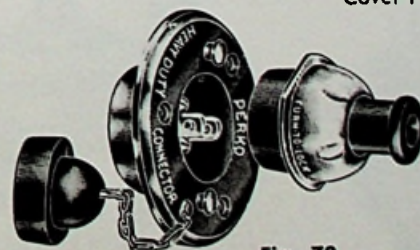


Fig. 72



Fig. 242

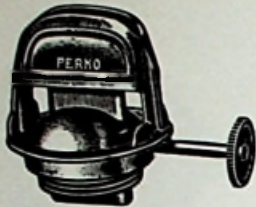


Fig. 246



Fig. 302

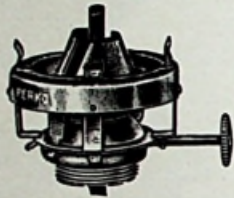


Fig. 245



Fig. 272



Fig. 262



Fig. 267

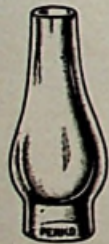


Fig. 230



Fig. 231

**HINGE BURNERS — Fig. 242**

All Brass

Used in all cabin lamps, large running lights, bulkhead lamps, etc. No. 2 Marcy Hinge Burner. No. 2-A Sun Hinge Burner

No.	Per Dozen	Diam. Thread Inches	Width Wick Inches
2	\$34.75	1 1/4	3/8
2-A	34.75	1 1/4	3/8

**BRASS BURNERS — Fig. 246**

No. 0 used in Class 1 lights. No. 1 used in Classes 2 & 3 Lights

No.	Per Dozen	Diam. Thread Inches	Width Wick Inches
0	\$10.80	7/8	1/2
1	10.80	7/8	3/8

**FLAT WICKS — Fig. 302**

	Per Dozen
Flat Wicks, No. 0, 1/2 inch wide	\$ .84
Flat Wicks, No. 1, 5/8 inch wide	.96
Flat Wicks, No. 2, 3/8 inch wide	1.20

**LONG TIME BURNER AND CHIMNEY — Figs. 245 & 272**

Brass—Used in 10-day Anchor Light Fig. 596

Burners Per Dozen	Chimneys Per Dozen	Wicks Per Dozen	Height Chimney Inches	Diameter Chimney Inches
\$30.00	\$21.00	\$2.65	1 1/4	1 1/2

**NAVY LANTERN GLOBE — Fig. 262**

Standard equipment on Navy Lantern Fig. 49. Diameter of top—2 1/2 inches. Diameter of bottom—4 inches. Overall height—6 1/2 inches. Net weight per dozen—9 pounds. Colored globes are solid colors, not painted.

Clear Each	Red Each	Green Each	Blue Each
\$1.85	\$3.20	\$2.25	\$2.25

**LIP OR DUAL CHIMNEYS — Fig. 267**

No. 2 for Marcy Hinge Burner. No. 2-A for Sun Hinge Burner

No.	Per Dozen	Height Inches	Diam. Bottom Inches
2	16.50	6	2 1/6
2-A	16.50	6	2 1/6

**HORNET CHIMNEY AND BURNER — Figs. 230 & 231**

Clear Chimney—Brass Burner

Used on Cabin Lamp Fig. 141 Size 1 and Fig. 168 Size 0. Burner uses Flat Wick Fig. 302, No. 0

Chimneys Per Dozen	Burners Per Dozen	Chimney Size Inches	Burner Thread Inches
\$9.00	\$10.80	4 3/8 x 1 1/2	3/8

**ROUND GLOBES — Fig. 264**

For Fig. 44 Globe or Distress Lights. Supplied in clear, colored or frosted. Colors are Red, Green or Blue. 6 and 10 Inch sizes NOT available in green.

Size Inches	Clear Each	Frosted or Colored Each	Diameter		Height Overall Inches
			Top Inches	Bottom Inches	
6	\$5.00	\$9.25	3 3/8	3 3/8	6 3/8
8	8.00	12.25	4	4	7 1/2
10	11.50	16.50	5 3/8	5 3/8	10 1/4

**EAGLE CHIMNEY AND BURNER — Figs. 94 & 173**

Fig. 94 is 8 1/2 inches high and 3 inches in diameter. Base weight — 4 ounces.

Clear.....\$15.60 per dozen  
Frosted.....\$18.00 per dozen

Fig. 173 uses Flat Wick Fig. 302, No. 2. Thread diameter is 1-3/16 inches. Weight is 1 1/2 ounces.

Steel, Brass Plated \$10.80 per dozen  
All Brass \$16.20 per dozen



Fig. 264



Fig. 94



Fig. 173



## OIL FOUNTS AND ELECTRIC ADAPTERS

All Brass For Class 3 and Smaller Lights

### DE-LITE TYPE

Fig.	Each	Diameter Inches	Weight Ounces	For Lights Figs.
582	\$2.30	2¾	4	01-04-05-08-09
588	3.50	2¾	4	01-04-05-08-09

Price of Fig. 582 does not include holder illustrated.

Holder only, \$1.20 each.



Fig. 582  
Oil



Fig. 588  
Medium Screw Electric

### SPRING TYPE

Fig.	Each	Diameter Overall Inches	Opening In Light Inches	Weight Per Dozen Pounds
286	\$2.30	3¾	3¾	2½
291	3.50	3¾	3¾	3
292	3.50	3¾	3¾	3½
*733 Oil only	2.30	3½	2½	2
733 Oil and Electric	5.00	3½	2½	3¾
736	5.00	3¾	3¾	4½

\*Supplied without burner or wick.

Fig.	For Lights Figs.
286	06-17-18-19-20-49-408 No. 0 and 44, 8 inch size
291	4-5-06-12-17-18-19-20
292	06-12-17-18-19-20-49-408 No. 0 and 44, 8 inch size
*733	1
733	1
736	06-17-18-19-20

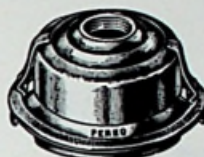


Fig. 286  
Oil

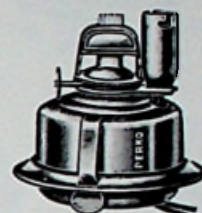


Fig. 736  
Oil and Electric Double Contact

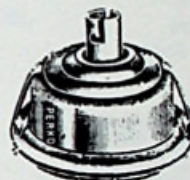


Fig. 291  
Electric Double Contact



Fig. 733

Oil and Electric Double Contact



Fig. 292  
Electric Medium Screw

### SWIVEL TYPE

Fig.	Each	Diameter Overall Inches	Opening In Light Inches	Weight Per Dozen Pounds
274	\$3.50	4½	4	4
287	2.30	4½	4	3
293	3.50	4½	4	4
735	5.00	4½	4	4½

Fig.	For Lights Figs.
274	02-11-69 and 44, 6 inch size
287	02-69 and 44, 6 inch size
293	02-11-69 and 44, 6 inch size
735	02-69



Fig. 274  
Electric Medium Screw



Fig. 287  
Oil



Fig. 293  
Electric Double Contact



Fig. 735  
Oil and Electric Double Contact

### NOTES

Oil burners and wicks, see Figs. 246 and 302.

D. C. Electric sockets for Figs. 291 and 293, see Fig. 355.

D. C. Electric sockets for Figs. 733, 735 and 736, see Fig. 276.

Medium screw sockets for Figs. 274, 292 and 588, see Fig. 346, No. 1.

**OIL FOUNTS AND ELECTRIC ADAPTERS**  
**All Brass -- Lights for Vessels Over 65 Feet Long**  
**SWIVEL TYPE**



Fig. 282  
Oil

Size No.	Fig. 282 Only Each	*Fig. 282 Complete Each	Fig. 288 Each	Fig. 1082 Each
0	\$3.65	\$8.00	\$5.00	\$8.25
1	3.65	8.00	5.00	8.25
2	5.00	9.30	5.00	8.25

\*Complete with Burner, Wick and Chimney

Size No.	Height Fig. 282 Inches	Diameter Overall Inches	Diameter Opening In Light Inches
0	2 $\frac{7}{8}$	4 $\frac{3}{4}$	3 $\frac{3}{4}$
1	3 $\frac{1}{2}$	4 $\frac{3}{4}$	3 $\frac{3}{4}$
2	4 $\frac{1}{2}$	5 $\frac{3}{4}$	4 $\frac{3}{4}$



Fig. 288  
Electric  
2 Wire  
Medium Screw

ABOVE ARE FOR THE FOLLOWING LIGHTS

Fount No.	SIDE LIGHTS		MASTHEAD LIGHTS		STERN LIGHTS	
	Light Fig.	Light Size	Light Fig.	Light Size	Light Fig.	Light Size
0	21	9	982	0	985	0
1	21	10	982	1	985	1
2	21	11	982	2	985	2
0	30	0	983	0	986	0
1	30	1	983	1	986	1
2	30	2	983	2	986	2
0	1155	0	1156	0	1157	0
1	1155	1	1156	1	1157	1
2	1155	2-3	1156	2-3	1157	2-3



Fig. 1082  
Electric  
3 Wire  
Mogul

Fount No.	ANCHOR LIGHTS		BREAKDOWN LIGHTS	
	Light Fig.	Light Size	Light Fig.	Light Size
0	23	22	84	0
1	23	22 $\frac{1}{2}$	84	1
2	23	23	84	2
0	32	0	129	22
1	32	1	129	22 $\frac{1}{2}$
2	32	2	129	23
0	1158	0	1159	0
1	1158	1	1159	1
2	1158	2-3	1159	2-3

1 Also used in Fig. 44, 10 inch size;  
 2 Also used in Figs. 29-50-59-68-80



Fig. 138

**ELECTRIC ADAPTERS -- Fig. 138**  
**Double Contact Socket--For Royal Light Figs. 89 to 99**  
**Inclusive**

Brass Each	Diam. Overall Inches	Opening in Light Inches	Weight Ounces
\$2.00	2 $\frac{3}{16}$	1 $\frac{1}{8}$	1 $\frac{1}{2}$

Specify whether for Class 1, 2 or 3.



Fig. 153

**ELECTRIC ADAPTER -- Fig. 153**  
**Medium Screw Socket--For Royal Light Figs. 89 to 99**  
**Inclusive**

Brass Each	Diam. Overall Inches	Opening In Light Inches	Weight Ounces
\$2.35	2 $\frac{3}{16}$	1 $\frac{1}{8}$	2



Fig. 130

**COLOR SHIELD -- Fig. 130**  
**For Combination Lights--Divides Red and Green Lenses**

Used on class 1 combination lights, Figs. 01-010-1-3 and 89. If for Fig. 89 please specify.

Galvanized Each	Polished Brass Each	Chromium Plated Each
\$1.35	\$1.75	\$2.30

FRESNEL GLOBES

FOR POLE, MAST AND STERN LIGHTS

FIG.	Clear Each	Red Each	Green Each	Blue Each	Amber Each
604	\$1.25	\$1.85	\$1.85	\$1.85	
247	1.25				
248-P	1.00				
249	2.65				
250	1.90	2.50	2.50		
251	1.90	2.50	2.50	2.50	\$2.50
281-P	.95				

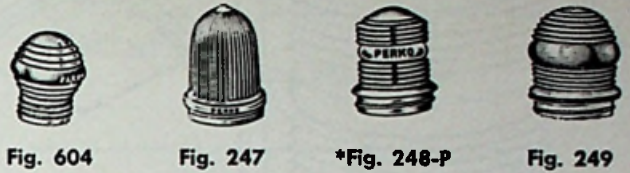


FIG.	Outside Diam. Inches	Height Overall Inches	Diam. Opening Inches	Diam. Thread Inches	Weight Ounces Each
604	1½	1⅞	1⅞	1⅞	1¾
247	1¾	2¾	1½	2	3
248-P	1¾	2½	1⅞	2	1½
249	3	3⅞	2¼	2¾	10
250	2½	2⅞	1½	2	6
251	3	3	1½	2	7
281-P	2⅞	1¾	1½		1



Figs. 247—248-P—250 and 251 for Light Figs. 41, 48, 136, 329, 330, 362, 371, 422, 428, 438, 455, 491, 605, 658, 660, 687, 1209, 1233.

Fig. 249 for Light Figs. 103, 104.

Fig. 281-P for Light Figs. 421, 1206, 1293.

Fig. 604 HIGH INTENSITY for Light Figs. 404, 439, 600, 609, 625.

\*Globes are high grade acrylic plastic.

Dome Light GLASSES

RIBBED DIFFUSING TYPE Fig. 257  
For Dome Lights, Figs. 294, 383 and 555.

Trade Size Inches	Each	Diam. Overall Inches	Depth Inches
3	\$1.30	2¾	¾
4	1.65	4	¾
5	1.90	5	1⅞
6	2.20	6	1½

FROSTED TYPE Fig. 132  
For Dome Lights, Figs. 296, 753.

Trade Size Inches	Each	Diam. Overall Inches	Depth Inches
3	\$1.30	2⅞	¾
4	1.65	4	½
5	1.90	5	¾
6	2.20	6	¾
8	2.75	7¾	¾

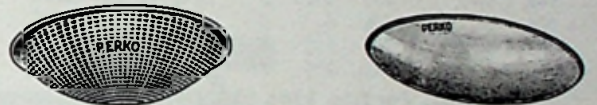


Fig. 257

Fig. 132

RIBBED OPAL TYPE Fig. 133

For Dome Light Fig. 385.

Outside Diam. Inches	Each	Extreme Depth Inches
4¼	\$2.75	1⅞
5¾	3.00	1¾



Fig. 133

Fig. 74-P

Fig. 186-P

GLOBES FOR INTERNATIONAL NAVIGATION LIGHTS

Acrylic Plastic

Fig. 74-P for S.S. Lights, Figs. 962, 963, etc.

Each	Height Inches	Inside Diameter Inches	Weight Ounces
\$.60	1¼	1⅞	½

Clear, Red or Green.

Fig. 186-P For Bronze and Zamak Light Fig. 910-A-911-A Etc. and 1278, 1279, etc.

Each	Height Inches	Inside Diameter Inches	Weight Ounces
\$.95	2⅞	1½	¾

Clear, Red, Green or Amber

NOTE—Spare gaskets for above mast light globes, \$.20 each.  
Spare gaskets for above dome glasses and globes, \$.30 each.

MAST LIGHT GLOBES — Figs. 77 & 106  
With Threaded Base

FIG.	Clear Each	Colored Each
77	\$2.40	\$3.50
106	3.60	4.95

Colors are red, green, blue, amber.

Fig. 77

Fig. 106

FIG.	Outside Diam. Inches	Height Overall Inches	Diam. Opening Inches	Diam. Thread Inches	Weight Pounds
77	2⅞	5½	1⅞	2⅞	½
106	3½	5	2¾	3¼	1¼

Fig. 77 not available in amber.

Fig. 77 for Figs. 488 and 489.

Fig. 106 for Figs. 83, 112, 113, 145, 309, 1163, 540, 541, 542.

FRESNEL LENSES

FOR SIDE AND COMBINATION LIGHTS  
112½ DEGREES

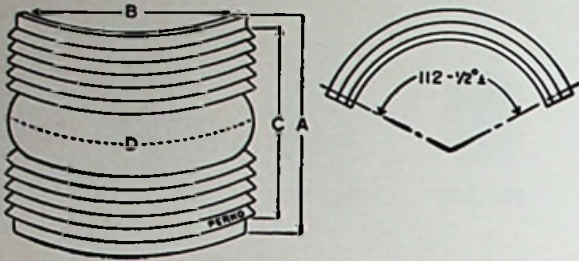


Fig. 259

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Red or Green Each	Amber Each
Class A-L.J.	1½	1½	1½	1¾		\$1.10	
Class A Std.	2¾	1½	2½	3		1.70	
*Class A-P	2½	2	2	2½		.95	
Class A Rocket	1¾	2½	1¾	3		1.20	
Class 1	3¾	2¾	2¾	3¾		2.50	\$2.60
Class 2	4¼	3¾	3¾	4¾	\$3.45	3.45	
Class 3	5¼	3¾	4¾	5¼		4.35	

For Vessels Over 65 Ft.

No. 8	5½	4¾	4¾	5¾		7.50	
No. 0 or 9	5½	5¾	5	8¾	10.50	10.50	
No. 1 or 10	6¾	6	6	8¾		15.00	
No. 2 or 11	7½	8½	6¾	11¾		20.00	
No. 3	8½	9¾	7¾	13		23.00	

Class A-L.J. For Figs. 1146-1247.

Class A-Std. For Figs. 348-1140-1144

\*Class A-P for Figs. 1160-1205-1218-1236-1274.

Class A Rocket For Fig. 1260.

FOR ANCHOR LIGHTS—360 DEGREES

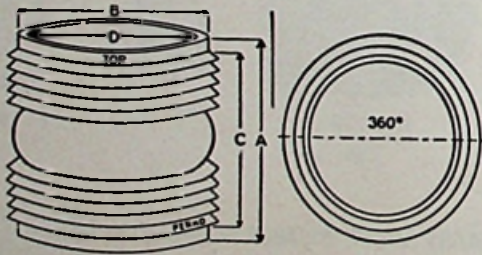


Fig. 261

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Junior	3¾	3¾	2¾	2¾	\$2.50	\$3.35
Senior	4¼	4	3¾	3¾	3.35	5.00

For Vessels Over 65 Ft.

No. 0 or 22	5½	5½	5	4¾	10.50	18.00
No. 1 or 22½	6¾	5¾	6¾	4½	15.50	23.00
No. 1½	6¾	6	6	5¾	13.50	17.00
No. 2 or 23	7½	7¾	6¾	6¾	18.00	27.50
No. 3	8½	8½	7¾	7¾	23.00	36.50

Colors are red, green, blue or amber.

Sizes Senior, No. 1 and 2 not available in blue.

Sizes No. 1½ and 3 not available in blue or amber.

FOR BOW LIGHTS—180 DEGREES

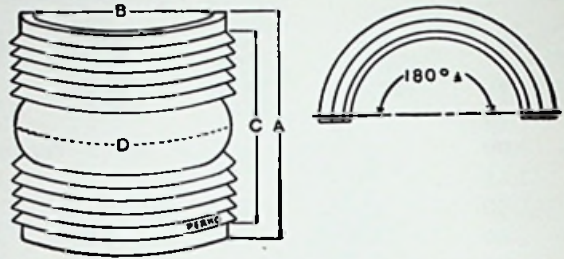


Fig. 260

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Class 1	3¾	2¾	2¾	5¾	\$3.35	\$5.80
Class 2	4¼	3¾	3¾	6¾	3.45	5.95
Class 3	5¼	3¾	4¾	7½	4.35	7.25
Mld. 59	7¾	6¾	6¾	12½	18.25	25.00

Colors are red, green, blue or amber.

Mld. 59 not available in blue.

Mld. 59 used in pier and lift span lights for bridges.

FOR MASTHEAD LIGHTS—225 DEGREES

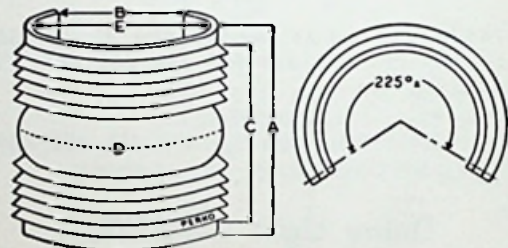


Fig. 256

	A In.	B In.	C In.	D In.	E In.	Clear Each	Colored Each
Int'l	4¼	4	3¾	8¾	3¼	\$4.00	
No. 0	5½	4	5	12½	4¾	11.50	\$23.60
No. 1	6¾	4	6	12½	4½	14.80	27.00
No. 2	7½	5¾	6¾	16¾	6½	18.00	34.00
No. 3	8½	6¾	7¾	18¾	7¾	22.50	38.75

Colors are red, green or amber.

Size No. 3 not available in amber.

FOR STERN LIGHTS—135 DEGREES

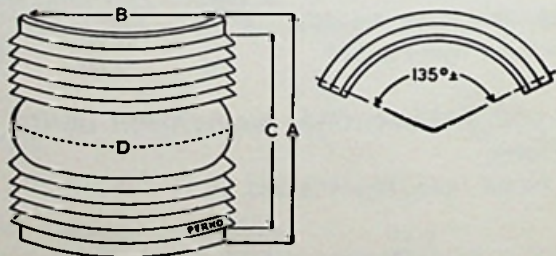


Fig. 269

	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Int'l	4¼	3¾	3¾	4¾	\$3.45	\$ 7.00*
No. 0	5½	4¾	4¾	7½	9.35	13.25
No. 1	6¾	4¾	6¾	7½	10.50	14.25
No. 2	7½	6¾	6¾	10	14.50	23.00
No. 3	8½	7½	7¾	11¼	17.50	26.00

Colors are red, green, blue or amber.

Size No. 0 not available in blue.

Size No. 3 not available in blue or amber.

\* This lens is a high grade acrylic plastic.

\*Amber color only

DIMENSIONS SUBJECT TO GOVERNMENT STANDARD TOLERANCES—PLUS OR MINUS

**IMPROVED COURSE PROTRACTOR — Fig. 706**  
Indicates Course and Reverse Course — Transparent

Arm has various mileage scales used on all coastal and harbor charts. Arm extended on short end to show reverse course. A precision instrument, accurate in detail. Positions, depths, etc., are clearly visible through protractor.

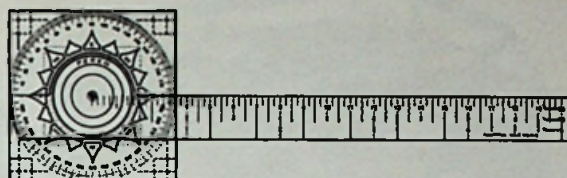


Fig. 706

Each	Extreme Length Inches	Diam. Compass Card Inches
\$3.80	21 1/2	6 3/4

**LUCITE PARALLEL RULES — Fig. 630**  
Transparent — Chromium Plated Brass Bars — Heavy Type

Chart data shows clearly through transparent lucite. Heavy type with finger grips, tightening device and corprene non-sliding discs.

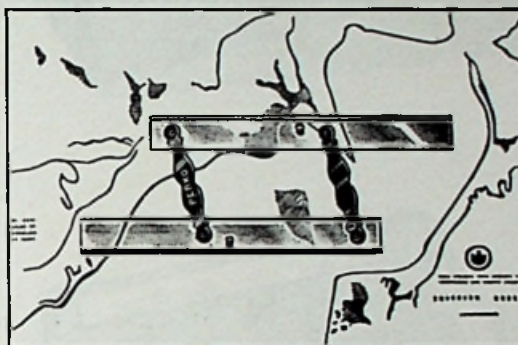


Fig. 630

Length Closed Inches	Each	Width Closed Inches	Thickness Inches	Weight Ounces
12	\$ 8.75	2 1/2	5/16	6 1/2
15	10.50	2 1/2	3/8	7 1/2
18	12.50	2 1/2	3/8	8 1/2

**PARALLEL RULES — Fig. 686**  
Ebony Finish — Nickel Plated Brass Parts — Finger Grips, Tightening Device and Corprene Non-sliding Discs

Length Closed Inches	Each	Width Closed Inches	Weight Ounces
12	\$5.75	2 1/2	6
15	6.40	2 1/2	6 1/2
18	7.25	2 1/2	7



Fig. 686

**DIVIDERS — Fig. 693**  
Brass — Chromium Plated — Navy Type

No.	Each
1 Length, 5 1/2 inches .....	\$1.25
2 Length, 7 inches .....	5.15

No. 2 size has straightening device and reversible points.



Fig. 693

**IMPROVED YACHT LOG BOOK — Fig. 708**  
112 Pages — Water Resistant Binding

Binding is hard Pyroxylin coated linen vellum. Water resistant and washable. Navy blue with gold lettering. In addition to pages for log data, these books contain useful information such as extracts from Bowditch Practical Navigator on symbols for weather, state of sea, cloud formations, force of wind, guest log and marine telephone log.

Each \$4.50



Fig. 708

**CHART CASES — Fig. 372**

Made of galvanized iron or sheet copper, water-tight cover, folding handle on side for carrying.

Diam. Inches	Length Inches	Galv. Each	Polished Copper Each
3	36	\$ 9.00	\$18.00
4	36	11.00	21.50



Fig. 372

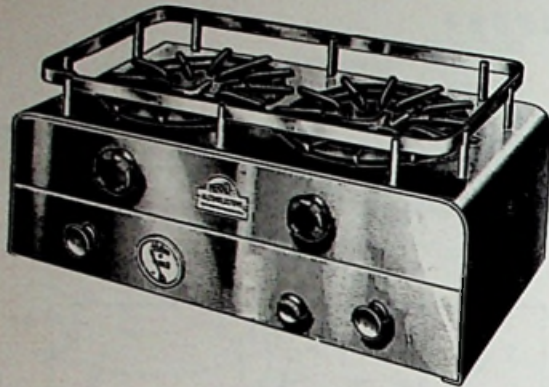


Fig. 364

**PERKO MONEL ALCOHOL STOVE — Fig. 364**

2 Burner Pressure Type — Removable Tray — Monel Body and Tray — Satin Finish — Cast Bronze Burners — Chromium Plated Brass Guard Rail

Burners are made with slotted manifold and produce intense heat. Readily removable tray is an integral part of the front apron. It is easily cleaned and will not rattle. Sheet asbestos is affixed to the bottom of tray to insulate fuel tank from heat. Will not slide out when boat is heeled. Front section of guard rail can be removed to accommodate large pots and pans. Easy-to-read and accurate air pressure gauge shows best working pressure. The knob on the all brass pressure pump locks and cannot back out under pressure. Filler cap and air escape valve are located inside of front apron and are readily accessible. Rectangular shaped fuel tank holds 1 1/8 gallons and is hidden by front apron. Using a good grade of "burning alcohol," both burners will operate for 14 hours on one gallon of fuel and one pound of pressure.

Complete Each	Extreme Length Inches	Extreme Width Inches	Extreme Height Inches	Weight Pounds
\$99.50	20 1/2	12	8 1/2	27

Above price includes a Fig. 365 funnel for filling.

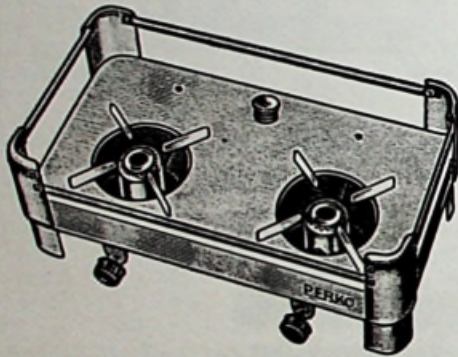


Fig. 376

**"GALLEY SLAVE" GRAVITY ALCOHOL STOVE — Fig. 376**

White Vitreous Enameled Body — Brass Guard Rails — Brass Burners — Brass Fuel Tank

The Fuel Tank is underneath out of sight, filled through filler cap located on top behind burners. An economical and easy to operate stove, no pumping necessary. Just preheat burners then operate with knobs like stove at home. Has an intense blue flame with remarkable heat ing ability.

Each	Length Overall Inches	Width Overall Inches	Height Overall Inches	Weight Pounds
\$29.00	19 1/2	11	6 1/2	6 1/2



Fig. 367

**PERKO ALCOHOL BURNER — Fig. 367**

Cast Bronze

	Each
Fig. 367 Burner for Stove Fig. 364	\$19.00
Wire Brush Filters Only	2.40
Priming Pan Only	1.50
Packing Nut for Valve Stem	.45
Grates only for Stove	2.40

**ALCOHOL STOVE PARTS — Fig. 368**

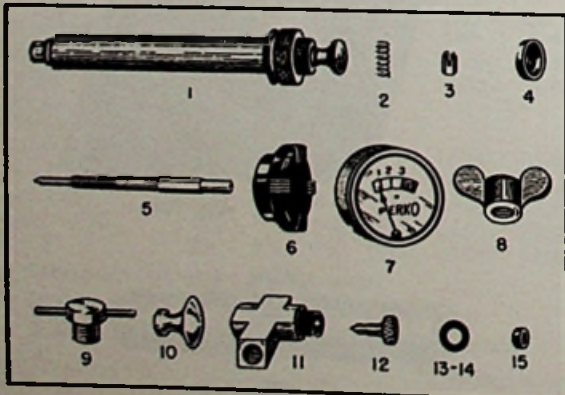


Fig. 368

No.		Each
1	Fuel Tank Air Pump complete	\$3.75
2	Pump Check Valve Spring	.40
3	Pump Check Valve	.60
4	Leather Plunger for Pump	.40
5	Needle Valve Stem	.85
6	Plastic Control Knob	1.00
7	Air Pressure Gauge	3.00
8	Wing Nut for Filter Entrance	.85
9	Filler Cap for Fuel Tank	1.25
10	Knob for Removable Tray	.85
11	Fitting for Fuel Supply Line	1.20
12	Screw for Air Escape Valve	.40
13	Lead Gasket for Wing Nut No. 8	.30
14	Corprene Gasket for Filler Cap No. 9	.30
15	Graphite Packing for Valve Stem	.12

**PERKO MONEL BOTTLED GAS STOVE — Fig. 373**

For Use with Propane or Butane L.P. Gas — 2 Burner — Removable Tray — Easy-to-Clean Monel Body and Tray — Satin Finish — Cold Forged Aluminum Center Simmer Burners — Chromium Plated Brass Guard Rail and Posts — Black Plastic Control Knobs and Tray Handles

Easy-to-clean and economical to operate, this attractive Perko stove offers a host of important features.

Each burner is two burners in one. The outer rim is a high speed cooking burner. In the center is a "simmer" burner which maintains the cooking and uses only a fraction of the gas consumed by ordinary single burners. This "simmer" burner can be used independently of the starting burner . . . an advantage no other type of burner offers. Every cooking requirement is fulfilled from the full fire power of the starting burner to the mere beads of flame of the "keep-warm" position of the center "simmer" burner. And all is controlled by a single knob.

Cleaning is greatly simplified by the fact that the burner cap can be removed in less than one second.

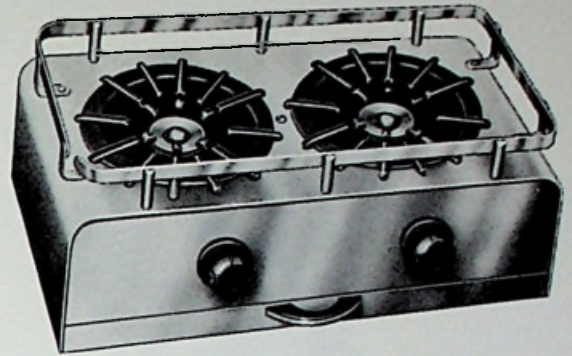


Fig. 373

Complete Each	Extreme Length Inches	Extreme Width Inches	Extreme Height Inches	Weight Pounds
\$86.00	20¾	12	8½	25

**BOTTLED GAS STOVE EQUIPMENT — Fig. 374**

No.	Description	Each
1.	Forged Bronze Two Way Valve Manifold with Indicating Handle	\$ 6.50
2.	Pressure Regulator with Relief Valve and Mounting Brackets	11.00
3.	Pigtails (Tank Connections)	2.00
4.	Plug for Manifold	1.50
5.	¼ Inch Copper 10 foot Vent Line with One Fitting	4.50
6.	½ Inch Copper 20 Foot Fuel Supply Line with Two Fittings	13.50

**KIT NO. 1 FOR SINGLE TANK INSTALLATION**  
Consists of 1 each parts No. 2, 4, 5 and 6  
Per Kit .....\$29.50

**KIT NO. 2 FOR DUAL TANK INSTALLATION**  
Consists of 1 each of parts No. 1, 2, 5, and 6  
and 2 each of parts No. 3 Per Kit .....\$38.50

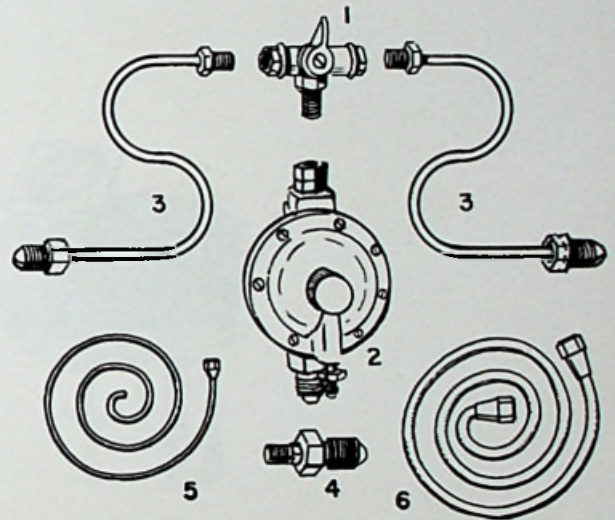


Fig. 374

**POT HOLDERS — Fig. 369**  
All Brass—Chromium Plated

Made for Figs. 364 and 373 stoves. Adjustable on the stove for various sizes of pots, pans, etc.

Per Pair	Length Centers of Rail Inches	Weight Per Pair Ounces
4.50	10½	8



Fig. 369

**OFFSET FUNNEL — Fig. 365**  
Heavy Gauge Zinc—Brass Strainer

In addition to filling stoves, this funnel is handy for many purposes on the boat or at home.

Each	Capacity Ounces	Diam. Mouth Inches	Diam. Spout Inches	Weight Ounces
\$3.00	3	3	¾	2



Fig. 365

**MARINE EXHAUST BLOWERS — Fig. 778**  
**White Delrin Impeller**

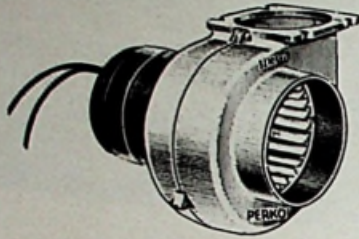


Fig. 778

For removing dangerous gasoline fumes from the bilge and engine room, exhausting excess heat and cooking odors from the galley. Getting rid of foul air or odors from cargo holds and bilges.

An absolute necessity to the motor boat because their use decreases the hazard of fires and explosions from gasoline fumes.

Size No. 1 has Zamak Housing, Chromium Plated and Stainless Steel Screws.

Size No. 2 has Cast Aluminum Housing.

No.	Size Intake Inches	Size Outlet Inches	Dimensions Overall Inches	Capacity Cubic Feet Per Minute	Size Flange Inches
1	3	2½	6½ x 6 x 5	170	3 x 3
2	4	3¾	7 x 8 x 7	226	4¾ x 4¾

No.	6 Volts Each	12 Volts Each	Horse-power	Weight Pounds
1	\$10.00	\$17.50	1/40	3½
2	34.00	34.00	1/40	6½

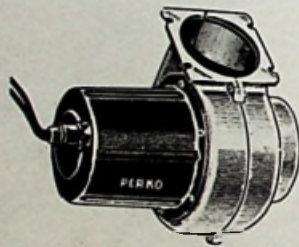


Fig. 791

**EXHAUST BLOWERS FOR BILGE INSTALLATION —**  
**Fig. 791**  
**Fully Enclosed Motor—White Delrin Impeller**

Motor enclosed in plastic cover. Shaft passes through a Neoprene seal and electric cable passes through a waterproof plastic and rubber gland.

Size No. 1 has Zamak Housing, Chromium Plated and Stainless Steel Screws.

Size No. 2 has Cast Aluminum Housing.

No.	Size Intake Inches	Size Outlet Inches	Dimensions Overall Inches	Capacity Cubic Feet Per Minute	Flange Inches
1	3	2½	7½ x 6 x 5	170	3 x 3
2	4	3¾	8 x 8 x 7	226	4¾ x 4¾

No.	6 Volts Each	12 Volts Each	Horse-power	Weight Pounds
1	\$14.50	\$22.00	1/40	3¾
2	39.00	39.00	1/40	6¾



Watertite Enclosed Switch  
 Fig. 149



Non-Watertite Switch  
 Fig. 155

**BLOWER AND IGNITION SWITCHES — Figs. 149 & 155**  
**Cast Bronze — Flush Type**

With these improved switches the engine cannot be started before the blower has been turned on, then before the engine can be stopped the blower must again be started thus clearing out any remaining fumes before and after engine operations.

Fig.	Polished Bronze Each	Chromium Plated Each	Diam. Face Plate Inches	Diam. Box Inches	Depth Inches	Weight Pounds
149	\$11.50	\$12.00	4¼	3¼	1¾	1½
155	10.00	10.50	4¼	...	1¾	1



**TURBINE VENTILATOR WITH MOUNTING FLANGE — Fig. 748**

For removing gasoline fumes from engine room and bilge, cooking odors from the galley, ventilation of the cabins, etc.

The moving breeze whirls the head and the resulting vacuum causes a powerful upward lift to the air below.

Absolutely quiet in operation, durable and rainproof.

Inside Diameter Inches	Galv. Steel, ea.	Copper Each	Height Overall Inches	Base Diameter Inches	Galv. Weight Pounds
4	\$25.50	\$36.25	10¼	6	3½
5	27.25	37.50	12¼	7	4½
6	31.50	41.50	13¼	8	6



Fig. 748

**TURBINE VENTILATORS — Fig. 744**  
For Marine Use — Improved Bearing Running in Oil — Galvanized Steel Or Copper

Inside Diam. Inches	Galv. Steel Each	Copper Each	Height Overall Inches	Diam. Overall Inches	Capacity C.F.M.	Galv. Weight Pounds
4	\$13.50	\$22.50	10	7	140	2¼
5	13.75	22.75	12	8½	152	3½
6	14.25	23.25	13	9½	196	4½
7	16.50		15	11	243	6
8	17.75		16	12½	285	7
10	21.50		18½	15	445	10
12	24.50		20	17½	650	12

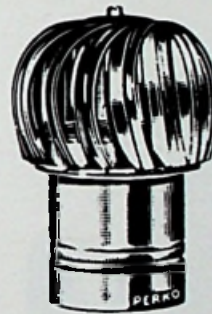


Fig. 744

With reinforcing band around bottom of neck supplied to order, price on application.

Galvanized vents are painted aluminum.

**WATER DECK IRONS — Fig. 430**  
Galvanized Cast Iron

Size of Stove Pipe Inches	Each	Outside Diam. of Neck Inches	Diam. Flange Inches	Weight Pounds
3	6.25	3¾	7½	4
3½	7.25	3¾	8½	5
4	11.00	4¾	9¼	6¼
5	13.50	5¾	10½	9
6	18.50	6½	11¼	11¼



Fig. 430

**COWL VENTILATORS — Fig. 510**

**Round Mouth — With Threaded Deck Plate —  
Sheet Steel or Sheet Brass — Cast Bronze Deck Plate**

Steel ventilators are hot galvanized after fabrication.

Deck Plate Size Inches	Galv. Each	Polished Brass Each	Chromium Plated Each	Diam. Mouth Inches	Height Overall Inches	Weight Pounds
2	\$ 19.00	\$ 27.50	\$ 35.00	4	5½	1½
2½	20.50	29.75	37.00	5	6½	1¾
3	22.50	32.50	40.00	6	8	2½
4	27.00	37.00	44.00	8	11	4
5	46.00	56.00	66.00	10	13	6
6	62.00	72.00	82.00	12	16	9
8	115.00	143.00	166.00	16	21	15½



Fig. 510

**COWL VENTILATORS — Fig. 513**

**With Swivel Deck Plate — Sheet Steel Or Sheet Brass  
Cast Bronze Deck Plate**

Deck Plate Size Inches	Galv. Each	Polished Brass Each	Chromium Plated Each	Diam. Mouth Inches	Height Overall Inches	Weight Pounds
3	\$ 25.75	\$ 35.00	\$ 43.00	6	8	2
4	32.50	42.00	50.00	8	12	3¾
5	49.00	60.00	70.00	10	13½	4¾
6	65.00	75.00	86.00	12	17½	7½
8	96.00	123.00	145.00	16	20½	11½
10	216.00			20	28	30

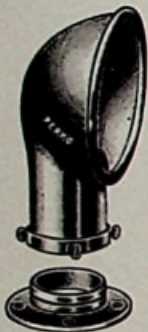


Fig. 513

NOTE — 10 inch size is heavy 18 gauge steel. 10 inch size with reinforcing band on neck, no deck plate, \$167.00 each. With Galvanized cast iron swivel deck plate, \$205.00.

10 inch size made of copper with bronze deck plate polished finish, \$360.00 each. Chromium plated finish \$400.00 each

When ordering Fig. 510 & 513 without deck plate, specify with or without ring on neck.

Figs. 510 & 513 sizes are standard; special sizes and heights made to order.

**ROUND MOUTH COWL VENTILATORS — Fig. 583**

**Cast Bronze**

No.	Deck Plate Size Inches	Polished Bronze Each	Chromium Plated Each	Diam. Mouth Inches	Height Overall Inches	Weight Pounds
1	3	\$38.00	\$41.00	6	7¾	4½
2	4	46.00	49.50	8	9¾	8½



Fig. 583

**OVAL MOUTH COWL VENTILATORS — Fig. 570 & 571**

**Cast Bronze**

No.	Deck Plate Size Inches	Size Mouth Inches	Height Above Deck		Weight Pounds
			Fig. 570 Inches	Fig. 571 Inches	
1	3	6¼x4	8⅛	9⅛	6
2	4	6½x4¾	8⅝	9⅝	8

No.	Deck Plate Size Inches	Fig. 570		Fig. 571	
		Pol. Bronze Each	Chrom. Plated Each	Pol. Bronze Each	Chrom. Plated Each
1	3	\$35.00	\$37.00	\$39.00	\$42.00
2	4	45.00	48.00	43.00	47.00



Fig. 570  
Screw Type



Fig. 571  
Swivel Type

Spare Deck Plates for above Cowl Ventilators, see Figs. 419 and 527.

**NEW DECK VENTILATOR — Fig. 931**  
Cast Bronze — Chromium Plated

A very handsome and practical fitting.

Each	Extreme Length Inches	Extreme Width Inches	Opening Inches	Weight Pounds
\$10.75	8¾	5½	5¼ x 1	2½

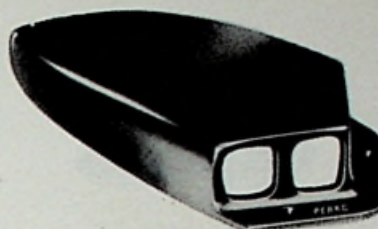


Fig. 931

**STREAMLINE SPACE SAVER VENTILATOR — Fig. 771**  
Cast Bronze — Chromium Plated

For mounting on catwalk against outside of deck house or bulkhead where space is limited.

Bosses for fastening are inside ventilator out of sight but angled toward mouth for insertion of wood screws. Drilled for No. 8 F.H. wood screw.

Supplied in pairs for starboard and port sides. When ordering a half pair mention side required.

Chromium Plated Per Pair	Length Overall Inches	Height Overall Inches	Dimensions Mouth Inches	Weight Per Pair Pounds
\$13.00	9¾	4½	4x1¾	2¾

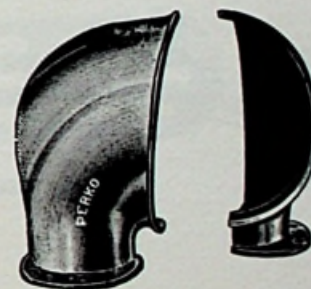


Starboard Side  
Fig. 771

**SPACE SAVER VENTILATORS — Fig. 782**  
Cast Bronze — Chromium Plated

Designed especially for mounting against outside of deck house or cabin, takes up very little space, can be used to advantage in connection with exhaust fan Fig. 778.

No.	Chromium Plated Per Pair	Inside Measurements		Height Overall Inches	For Screw No.	Weight Per Pair Pounds
		Diameter at Base Inches	at Mouth Inches			
1	\$16.50	2½	2¾ x 5	6¾	8	3¾
2	24.50	3½	3½ x 7½	9	8	6



Starboard Side  
Port Side  
Fig. 782

When ordering a half pair, please mention whether for port or starboard side.

**CRUISER VENTILATOR — Fig. 908**  
Streamline — Cast Bronze

An extremely neat ventilator for cruiser decks and cabin roofs.

An integral water guard inside mouth prevents spray or rain from entering ventilator. A bronze screen permanently installed to keep insects out of cabin.

Brushed Bronze Each	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Height Overall Inches	For Screw No.	Weight Pounds
\$15.00	\$21.50	\$22.50	7x7	3½	8	4¾



Fig. 908



Cut away view showing screen and water guard



Fig. 1069

**JUNIOR TRANSOM VENTILATOR — Fig. 1069**

Cast Bronze

Plain Bronze Each	Chromium Plated Each	Size Flange Inches	Depth Collar Inches	For Screw No.	Weight Pounds
\$2.80	\$4.20	6 $\frac{3}{4}$ x2 $\frac{1}{4}$	$\frac{3}{4}$	6	$\frac{3}{4}$

With bronze screen soldered in, add \$.90 each.

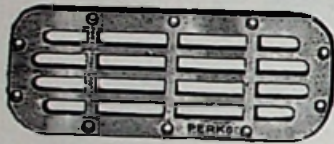


Fig. 1062

**SENIOR TRANSOM VENTILATOR — Fig. 1062**

Cast Bronze

Plain Bronze Each	Chromium Plated Each	Dimensions Inches	For Screw No.	Weight Pounds
\$3.45	\$5.80	10x4	8	1



Fig. 550

**NEW TRANSOM OR LOCKER VENTILATOR — Fig. 550**

Stamped Brass

Plain Each	Chromium Plated Each	Dimensions Inches	For Screw No.	Weight Ounces
\$1.30	\$1.75	6x2	8	3

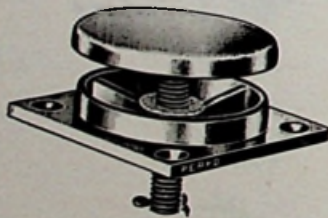


Fig. 783

**LOCKER VENTILATORS — Fig. 783**

Cast Bronze

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Diam. of Opening Inches	Size Plate Inches	Weight Pounds
\$5.00	\$6.75	\$8.00	1 $\frac{1}{2}$	2 $\frac{1}{2}$ x2 $\frac{1}{2}$	$\frac{1}{2}$

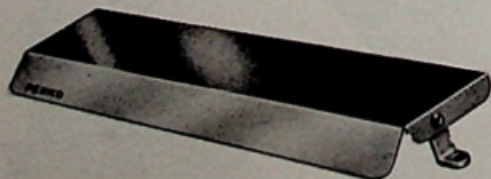


Fig. 388

**NEW VENTILATORS FOR WINDSHIELD — Fig. 388**

Anodized Aluminum

For attachment to top of windshield. To bring ventilation to the driver's seat. Adjustable to control amount of air while shutting out rain or spray. Supplied in pairs, for port and starboard sides of windshield.

Per Pair	Length Inches	Width Inches	Weight Per Pair Ounces
\$2.75	17 $\frac{1}{4}$	3 $\frac{3}{4}$	9

**NEW MIDGET CLAM SHELL VENTILATOR — Fig. 315**  
**Brass — Plain or Chromium Plated**

Here's a streamlined, midget ventilator with many uses including shielding gas tank vents.

No.	Plain Brass Each	Chromium Plated Each	Base Dimensions Inches	Height Opening Inches	Weight Ounces
1	\$ .45	\$ .95	1 5/8 x 1 1/2	3/8	1/2
2	.60	1.15	2 x 2	9/16	1 1/4

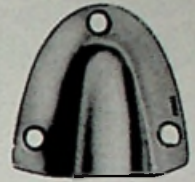


Fig. 315

**NEW CLAM SHELL VENTILATOR — Fig. 339**  
**Brass — Chromium Plated**

Beautifully styled to enhance the appearance of any boat. Bored and countersunk for No. 6 screw.

Each	Width Opening Inches	Height Opening Inches	Base Dimensions Inches	Weight Ounces
\$3.10	2 1/2	1 5/8	4 x 3 3/4	5

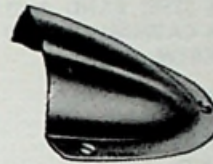


Fig. 339

**CLAM SHELL VENTILATORS — Fig. 323**  
**Cast Bronze**

No.	Polished Bronze Each	Chromium Plated Each	Width Opening Inches	Height Opening Inches	Size Base Inches	For Screw No.	Weight Ounces
4	\$3.25	\$3.75	2 5/8	1 1/2	3 1/2 x 3 1/4	7	10
5	4.50	5.00	3 1/2	2	3 7/8 x 3 1/2	7	13



Fig. 323

**STREAMLINE VENTILATORS — Fig. 324**  
**Cast Bronze**

No.	Polished Bronze Each	Chromium Plated Each	Width Opening Inches	Height Opening Inches	Size Base Inches	For Screw No.	Weight Ounces
2	\$3.00	\$3.50	1 3/4	1	2 5/8 x 3 3/8	7	6
3	4.25	4.75	2 7/8	1 5/8	3 3/8 x 4 3/4	7	12



Fig. 324

**NEW STREAMLINE VENTILATOR — Fig. 549**  
**Cast Bronze — Chromium Plated**

A ventilator with graceful lines that will enhance the appearance of any boat.

Chromium Plated Each	Size Opening Inches	Size Base Inches	Weight Pounds
\$8.25	3 x 1	7 1/2 x 4	1 1/2



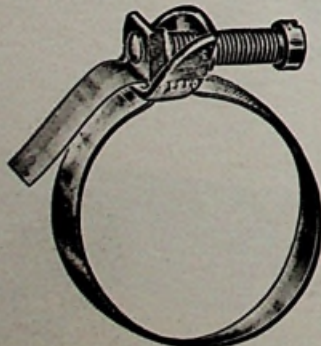
Fig. 549



**Fig. 5200**  
18-8 STAINLESS STEEL BAND AND HOUSING WITH CADMIUM PLATED SCREW.



**Fig. 6400**  
100% ALL 18-8 STAINLESS STEEL BAND, HOUSING AND SCREW.



**Fig. 499**  
INSTANTLY ADJUSTABLE FOR ANY SIZE HOSE UP TO 6 INCH

**STAINLESS STEEL "SURE-TITE" MARINE HOSE CLAMPS — Figs. 5200 & 6400**  
No Rivets — No Welds

**HIGH SPEED** — Goes on with hose in position . . . safety collar on screw keeps screw driver from slipping. **HIGH POWER** — Gear-drive principle assure positive, leak-proof seal under all conditions.

**Fig. 5200**

Part Number	Price Per 100
5210	\$30.00
5212	30.00
5216	31.00
*5220	32.00
*5228	33.00
*5236	35.00
5244	38.00
5252	41.00
5256	41.00
5264	44.00

**Fig. 6400**

Part Number	Price Per 100
*6410	\$40.00
6412	40.00
6416	41.00
*6420	42.00
*6428	43.00
*6436	45.00
6444	48.00
6452	51.00
6456	51.00
6464	54.00

\*The most popular stock sizes.

Fig. 5200 Part Number	Fig. 6400 Part Number	Size Hose Inches		Clamp Diameter Inches		Box Quantity	Weight Per 100 in Pounds
		From	To	Min.	Max.		
5210	*6410	3/8	5/8	5/8	1 1/8	10	6
5212	6412	5/8	3/4	1 1/8	1 1/4	10	6
5216	6416	3/4	1	1 3/8	1 1/2	10	7
*5220	*6420	1	1 1/4	1 3/8	1 3/4	10	7
*5228	*6428	1 1/4	1 3/4	1 3/8	2 1/4	10	8
*5236	*6436	1 3/4	2 1/4	1 3/8	2 3/4	10	9
5244	6444	2 1/4	2 3/4	2 3/8	3 1/4	10	9
5252	6452	3	3 3/4	2 3/8	3 3/4	50	11
5256	6456	3 3/4	3 1/2	3 3/8	4	50	11
5264	6464	3 1/2	4	3 3/8	4 1/2	50	12

**"STRAP-TITE" MARINE HOSE CLAMPS — Fig. 499**  
Stainless Steel — Instantly Adjustable For Any Size Hose Up To 6 Inch

These may be used for larger sizes of hose by joining two or more clamps together, used in this way the size range is practically unlimited.

No.	Stainless Steel Each	Length Open Inches	Width Strap Inches	Box Quantity	Weight Ounces
1	\$5.50	12	1/2	50	1 1/2

**BRONZE NAVY PUMP STRAINERS —**  
Figs. 704, 705, 721 & 722

Fig.	Each	Pipe Thread Inches	For Hose Inches	Length Inches	Width Inches	Weight Pounds
704	\$5.60		1 1/4	7	2 3/4	2
705	5.00		1 1/4	4 3/4	2 3/4	1 1/2
721	5.00	1 1/4		5	2 3/4	1 1/2
722	4.75	1 1/4		4 3/4	2 3/4	1 1/2



Fig. 704

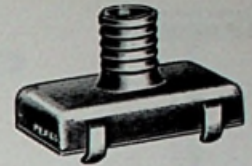


Fig. 705

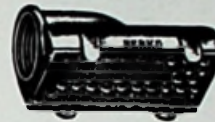


Fig. 721

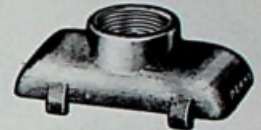


Fig. 722

**JUNIOR STRAINER — Fig. 709**  
Cast Bronze — For 3/8 Inch Rubber Hose

Excellent for use with bilge pumps having 3/8 inch hose for intake such as our Fig. 202, etc.

Each	Length Overall Inches	Width Inches	Weight Ounces
\$1.85	4	1 1/4	6



Fig. 709

**RUBBER HOSE AND STRAINER — Figs. 208 & 209**  
For Figs. 200, 202 and 723 Brass Bilge Pumps

Heavy moulded rubber hose, durable and lasting. 5/8 inch inside diameter. Standard hose length is 5 feet. Other lengths of hose can be furnished. Price on application.

Standard 5 ft. length	Each
Cast Bronze Strainer	\$1.20
	.90



Fig. 208



Fig. 209

**LEATHER PLUNGERS — Fig. 239**  
Oak Leather

Riveted together, strong and durable.

For Diam. Pump Inches	Per Dozen	Weight Per Dozen Pounds	For Diam. Pump Inches	Per Dozen	Weight Per Dozen Pounds
2	\$ 6.50	3 1/4	3	\$ 7.50	1 1/2
2 1/2	7.00	1 1/4	4	11.50	1 3/4



Fig. 239

**PARTS FOR BRASS BILGE PUMPS —**  
Figs. 203, 204, 205, 206, 456 & 457

Flange and cup washers are leather, especially treated for use in salt water. Split washer is wrought brass. Ball is hollow and made of wrought brass. No. 1 for size numbers 1 and 5 bilge pumps. No. 2 for size numbers 2 and 6 bilge pumps.

Flange Washer	No.	Outside Diam. Inches	Each	Hollow Ball	No.	Outside Diam. Inches	Each
Fig. 203	No. 1	1 1/4	\$.40	Fig. 206	No. 1	1/2	\$.35
	No. 2	1 3/4	.45		No. 2	3/4	.40
Cup Washer	No. 1	1 1/4	\$.40	Valve Fitting For Plunger	No. 1		\$1.25
	No. 2	1 3/4	.45		Fig. 456	No. 2	
Split Washer	No. 1	1 1/4	\$.11	Packing Nut	No. 1		1.35
	No. 2	1 3/4	.17		Fig. 457	No. 2	

NOTE—The above parts are also used in Fig. 146 crank case pump.



Fig. 203



Fig. 206



Fig. 204



Fig. 456



Fig. 205



Fig. 457

**AUTOMATIC BOAT BAILERS — Fig. 410**

Brass Tubing — Cast Bronze Fittings — With Polyethylene Ball Check — For Runabouts

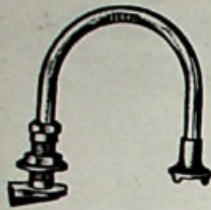


Fig. 410

Has outlet fitting in streamline design to reduce resistance, screened inlet fitting. Operates at speed of about 7 miles per hour. Requires no further attention after installation.

Each	Height Inside Hull Inches	Diam. Tubing Inches	For Hull Thickness Inches	Weight Pounds
\$10.00	7	3/4	up to 1 3/8	1 3/4

Spare polyethylene balls, per dozen . . . . . \$1.50

**AUTOMATIC BOAT DRAINERS — Fig. 213**

Cast Bronze

For use in life boats. With sponge rubber ball valve. Cover with chain attached, threaded 1-13/16 inches, No. 14 thread.



Fig. 213

Complete Each	Caps Only With Chain Each	Balls Only Per Dozen	Diam. Opening Inches	Diam. Flange Inches	Diam. Ball Inches
\$6.25	\$1.95	\$2.00	1 1/4	3 3/8	1 1/2

**TRANSOM DRAIN PLUGS — Fig. 414**

For Outboard Boats — Plain Brass

To release plug, raise handle to position illustrated. Remove plug while boat is in motion and water will drain out. Install in lowest part of transom. Watertight when closed.

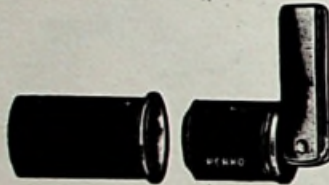


Fig. 414

Complete Each	Diam. Tube Inches	Length Overall Inches	Length Tube Inches	Weight Ounces
\$1.75	1	2 1/2	2	4 1/2

Plug only \$1.25 each. Tube only \$.50 each.

**SMALL BOAT DRAINER — Fig. 386**

Threaded Type — Cast Bronze

Starts draining at speed of 5 miles per hour. Install in after end of boat and be sure that mouth is toward the stern. Made for hulls 3/8 inch or thicker but may be used with thinner hulls by cutting away necessary portion of neck. Depth of mouth below hull is 3/4 inch.

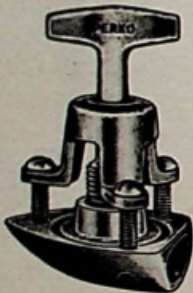


Fig. 386

Each	Height Inside Boat Inches	Width Overall Inches	Weight Pounds
\$5.00	2 3/4	2 1/2	1 1/4

**SMALL BOAT DRAINER — Fig. 387**

Spring Type — Stainless Steel Spring — Cast Bronze

Install in after end of boat with mouth toward stern. Starts draining at about 5 miles per hour. To open lift "T" handle and lock by half turn to left. A slight turn to right will release strong spring closing drainer tightly. For use in metal or wood boats.

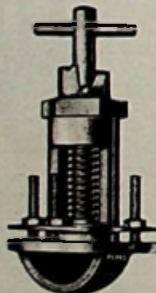


Fig. 387

Bronze Each	Height Inside Boat Inches	Diam. Flange Inches	Weight Pounds
\$7.25	4	2 3/4	1

**GARBOARD DRAIN PLUGS — Fig. 124**

Cast Bronze

A few of these drain plugs installed in garboard allows quick drainage of boat when hauled out. Threads are tapered pipe sizes and plugs are watertight.



Fig. 124

Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
\$4.95	1	3 3/4	1	10

Furnished complete with galvanized wrench.



**GARBOARD DRAIN PLUGS — Figs. 263, 363 & 266**  
Cast Bronze

Figs. 263 and 266

Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
\$3.35	3/4	2 1/2	3/8	11

Fig. 363

For plywood, fibreglass or metal hulls minimum space between nut and flange 3/16 inches.

\$4.25	3/4	2 3/8	3/8	14
--------	-----	-------	-----	----

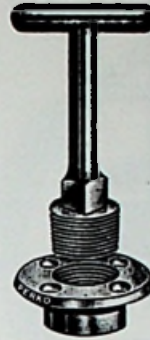


Fig. 263



Fig. 363

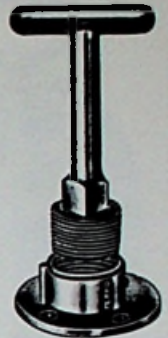


Fig. 266

**GARBOARD DRAIN PLUGS — Figs. 714, 714-A, 737 & 737-A**

Cast Bronze

Figs. 737 and 737-A have extra brass flange and 3 F.H. machine screws, maximum space between flanges is 1/8 inches.

Fig.	Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
714	\$2.00	1/2	2	5/8	3
714-A	2.25	1/2	2	5/8	4
737	2.50	1/2	2	5/8	6
737-A	2.75	1/2	2	5/8	7



Fig. 714



Fig. 737



Fig. 714-A



Fig. 737-A

**CRANK CASE PUMP — Fig. 335**

For Rubber Hose or Tubing — Single Action — Brass

Inlet and outlet tubes will fit 3/8 inch rubber hose or tubing, so equipped, this pump may also be used as a bilge pump for small boats.

Each	Length Body Inches	Diam. Body Inches	Weight Pounds
\$6.25	11	1 1/2	1 3/8

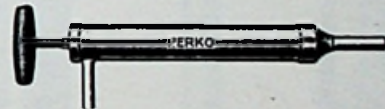


Fig. 335

**CRANK CASE PUMP — Fig. 336**

With Flexible Metal Intake Hose — Single Action — Brass

Flexible intake hose is 18 inches long, 1/2 inch outside diameter. Outlet spout is 2 1/8 inches long, 3/8 inches outside diameter.

Each	Length Body Inches	Diam. Body Inches	Weight Pounds
\$7.30	11	1 1/2	1 3/8

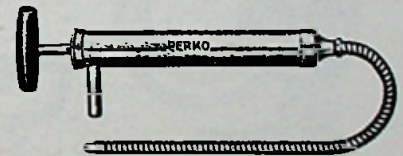


Fig. 336

**CRANK CASE PUMP — Fig. 146**

Double Action — Brass

For draining the crank case through filler opening, with outlet spout for attaching rubber hose. Intake is bronze flexible metal hose.

Capacity—30 strokes per gallon.

Complete Each	Spare Intake Hose Each	Length Overall Inches	Length Intake Hose Inches	Diam. Pump Inches	Weight Pounds
\$14.25	\$4.50	17 1/2	12 1/2	1 3/8	2 1/2

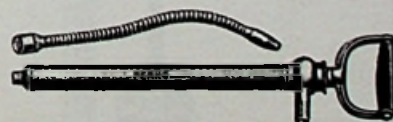


Fig. 146

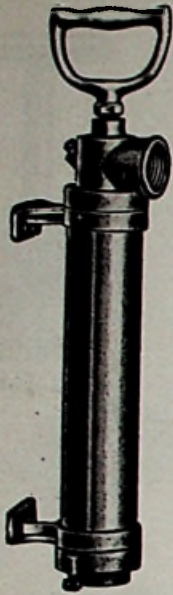


Fig. 1016



Fig. 151  
Flax Packed Plunger



Fig. 147  
Weighted Leather Valve

**CHAMPION NAVY BILGE PUMP — Fig. 1016**  
Brass Cylinder — Cast Bronze Parts — For Pipe —  
With Weighted Leather Valve

CAPACITY—16 STROKES—5 GALLONS

Each	Extreme Length Inches	Diameter Cylinder Inches	Inlet Pipe Thread Inches	Outlet Pipe Thread Inches	Diameter Plunger Rod Inches
\$32.00	24	2 3/4	1 1/4	1 1/2	1/2

Fig. 147—Weighted leather valve only, each . . . . \$1.50

Fig. 151—Flax packed plunger only, each . . . . . 2.75

**JUNIOR NAVY BILGE PUMP — Fig. 1018**  
Brass Cylinder — Cast Bronze Parts — For Pipe —  
With Weighted Leather Valve

CAPACITY—16 STROKES—3 GALLONS

This is the Fig. 1016 "Champion" Pump reduced in length for installation in limited space.

Each	Extreme Length Inches	Diameter Cylinder Inches	Inlet Pipe Thread Inches	Outlet Pipe Thread Inches	Weight Pounds
\$25.00	16 1/4	2 3/4	1 1/4	1 1/2	5 1/2



Fig. 1018



Fig. 701

**SUPER NAVY BILGE PUMP — Fig. 701**  
For Hose — With Weighted Leather Valve

Each	Extreme Length Inches	Inlet Hose Inches	Outlet Hose Inches	Weight Pounds
\$32.00	27	1 1/4	1 1/2	9 1/2

**MIDGET NAVY BILGE PUMP — Fig. 702**  
For Hose — With Weighted Leather Valve

Our Fig. 701 pump reduced in length for boats requiring a large capacity pump to be installed where space is limited.

Each	Extreme Length Inches	Diameter Cylinder Inches	Inlet Hose Inches	Outlet Hose Inches	Weight Pounds
\$25.00	18 1/4	2 3/4	1 1/4	1 1/2	7 5/8

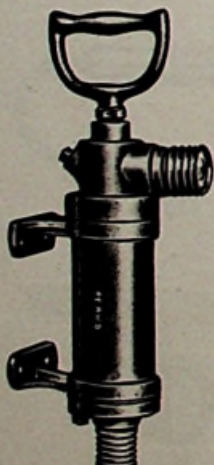


Fig. 702



Fig. 108

Fig. 108 — Plunger Assembly Only, Complete

No. 1 for Figs. 702 & 1018 . . . . . \$8.50 Each.  
No. 2 for Figs. 701 & 1016 . . . . . 9.90 Each.

**BRASS BILGE PUMPS — Fig. 202**  
**Double Action**

Cast bronze foot rest and two 5 foot lengths of hose for suction and discharge.

No.	With Hose Each	Height Inches	Diameter Inches	Capacity Per. Min. Gallons	Weight Pounds
5	\$16.85	18½	1½	5	3
6	19.80	21	1½	10	4

Without hose, deduct \$.50 for each hose.

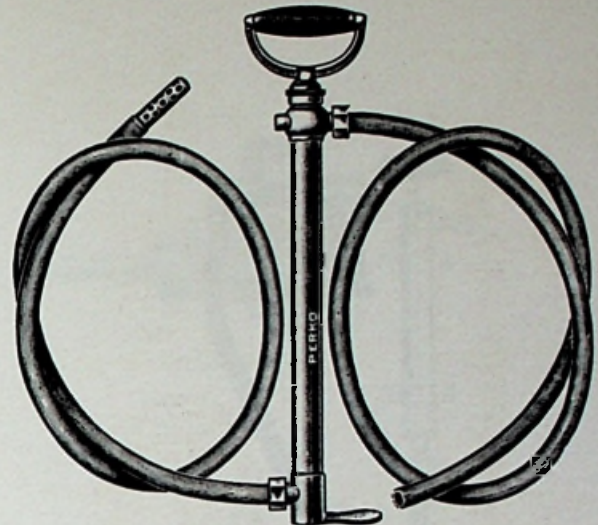


Fig. 202

**BRASS BILGE PUMPS — Fig. 200**  
**Double Action**

Heavy brass seamless tubing, cast bronze fittings, treated leather packing, hollow brass ball checks. "D" shaped handle. Moulded rubber hose 5 feet long furnished with each pump.

No.	With Hose Each	Height Inches	Diam. Inches	Capacity Per Min. Gallons	Weight Pounds
1	\$12.50	17¾	1⅞	5	2¼
2	16.25	20	1½	10	3¼

Without hose, deduct \$.50 each.

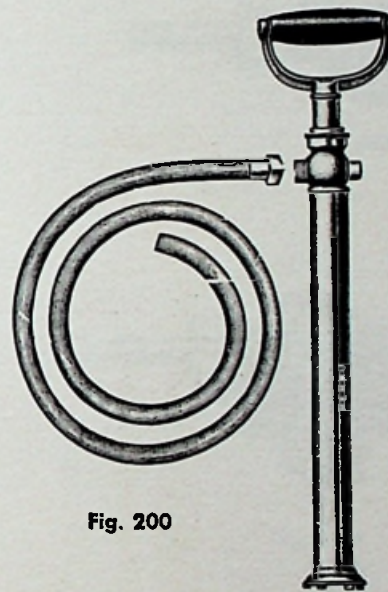


Fig. 200

**BRASS BILGE PUMP — Fig. 723**  
**Single Action**

Complete with 5 feet of rubber hose.

Has moulded neoprene rubber plunger producing excellent capacity. Capacity 2½ gallons per minute.

With Hose Each	Without Hose Each	Diameter Inches	Extreme Length Inches	Weight Pounds
\$11.80	\$11.30	1⅞	17¾	2

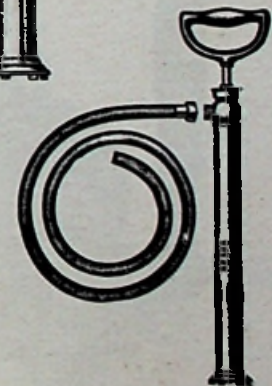


Fig. 723

**SMALL BOAT BILGE PUMP — Fig. 152**  
**Steel — Zinc Plated — Good Capacity — Easy Operation**

These have felt retainer washer to prevent squirt through cap. Capacity—7 gallons per minute at normal speed.

Each	Length Inches	Diameter Body Inches	Diameter Spout Inches	Weight Pounds
\$4.10	25	1½	⅞	2½



Fig. 152

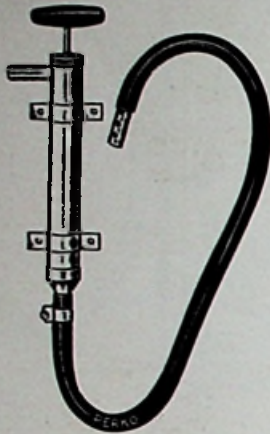


Fig. 201

**OUTBOARD BILGE PUMP — Fig. 201**

All Brass — With 3 Ft. Rubber Hose — Brass Brackets For Mounting

For small boats, outboard motor, sail or rowboats. Brackets permit permanent installation on transom or side allowing one hand pumping while boat is in use. Complete with bronze intake strainer.

Each	Length Body Inches	Diam. Inches	Capacity Per Min. Gallons	Weight Pounds
\$9.00	11	1½	1½	2¼

**PERKO WING PUMPS — Fig. 681**

Double Action — All Bronze — For Marine, Industrial and Domestic Use — Improved Valves Hold Prime

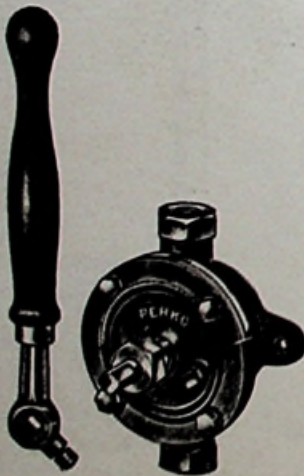


Fig. 681

Constructed entirely of cast bronze, principally for use as a marine bilge pump, but is used in large quantities in the industrial field for pumping oil and gasoline, hot liquids, juices, etc. The interior consists of a cast bronze wing which oscillates on a bronze shaft connected to handle. The wing has lubricated square flax packing set in grooves which runs on interior of drum and as no metal parts rub together this pump will last for years without noticeable wear. Packing is very easily replaced. Intake valves have been greatly improved and priming is unnecessary ever after several weeks of disuse.

**GREAT CAPACITY—LIFT AND HEAD OVER 35 FT.  
EFFORTLESS OPERATION—HARDWOOD HANDLE**

No.	Each	Size Pipe Connection Inches	Overall Diam. of Body Inches	Capacity Per Minute Gallons	Weight Pounds
0	\$54.50	½	5½	5	11½
1	63.00	¾	5¾	7	14
2	69.25	1	6¾	9¾	19½

Spare handles, complete, \$6.95 each. Wood only, \$1.20 each.

**PERKO BRONZE GEAR TYPE PUMPS**

**Figs. 684, 685, 682 & 683**

**Sizes No. 3 and 4 Have Drop Forged Bronze Bodies**

The entire interior, including bearings, is tool machined, insuring perfect alignment and absolutely tight joints, blank bearing ends are solid (not soldered), all bearings are fully lubricated by brass grease cups. The drive shaft is in perfect alignment with the pump body. Pipe connections are Briggs standard pipe tap.

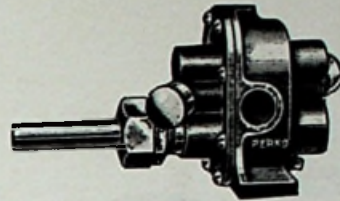


Fig. 684

**FIG. 684 — SINGLE LOWER DRIVE SHAFT**

Pump No.	With Spur Gears Each	Size Pipe Connection Inches	Size Drive Shaft Inches	Approximate Weight Each Pounds
3	\$29.50	3/8	5/8	5 1/2
4	32.50	1/2	3/4	6

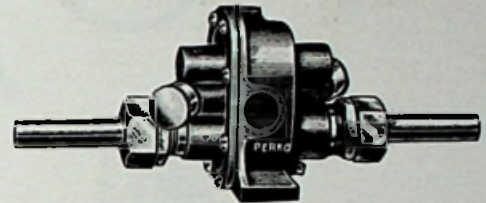


Fig. 685

**FIG. 685 — DOUBLE LOWER DRIVE SHAFT**

Pump No.	With Spur Gears Each	Size Pipe Connection Inches	Size Drive Shaft Inches	Approximate Weight Each Pounds
2	\$25.50	1/4	1/2	4 1/2
3	30.50	3/8	3/4	6 1/4

**FIG. 682 — SINGLE UPPER DRIVE SHAFT**

Pump No.	With Spur Gears Each	Size Pipe Connection Inches	Size Drive Shaft Inches	Approximate Weight Each Pounds
3	\$29.50	3/8	3/4	5 1/2
4	32.50	1/2	3/4	6

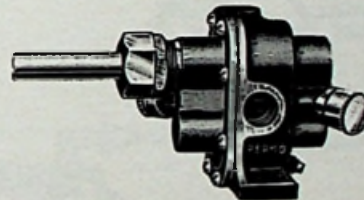


Fig. 682

**FIG. 683 — DOUBLE UPPER DRIVE SHAFT**

Pump No.	With Spur Gears Each	Size Pipe Connection Inches	Size Drive Shaft Inches	Approximate Weight Each Pounds
2	\$25.50	1/4	1/2	4 1/2
3	30.50	3/8	3/4	6 1/4
4	31.50	1/2	3/4	6 3/4

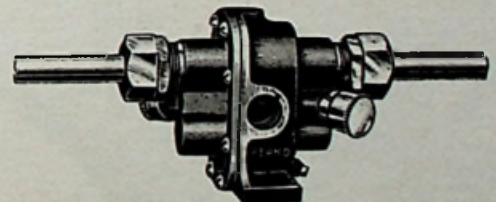


Fig. 683

**NOTE**—Figs. 682 and 684 in all sizes are reversible. That is; any person, dealer, user, etc., can change a lower shaft pump to "upper shaft" or vice versa in a few minutes. Don't fail to state figure and pump number desired. When above pumps are operated by belt and pulley be sure to use intermediate bearing on shaft.

**GEAR PUMP PARTS**

Pump No.	Spur Gears Each	Drive Shaft Each	Idle Shaft Each
3	\$4.50	\$1.75	\$1.25
4	5.50	1.75	1.25

**CAPACITY TABLES FOR GEAR PUMPS AT 1725 R.P.M. PRESSURE AND GALLONS PER MINUTE**

Pump No.	2 Lbs.		20 Lbs.		40 Lbs.		60 Lbs.		80 Lbs.	
	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	H.P.	
2	4.0	1/4	3.7	1/4	3.5	1/4	3.4	1/4	3.2	1/4
3	7.5	1/4	7.0	1/2	6.5	3/4	6.5	1	6.3	1
4	10.5	1/2	10.0	3/4	9.5	3/4	9.1	1	8.5	1 1/2

**PERKO "FLEXO-SHAFT" ELECTRIC BILGE PUMPS**

Patented

With Flexible Phosphor Bronze Drive Shaft and Waterproof Casing. Casing has "Temflex" Plastic Covering to Increase Its Strength. All Bronze Except Motor.

The value of this pump arrangement is obvious at first sight. Pass the shaft around corners, over or under bulkhead, ribs or any other obstruction and it operates. Mount the motor anywhere, in a cabin, pilot house, or out in the cockpit far removed from gasoline fumes that usually settle in low places; place the pump where it is needed at the moment, at the lowest point of the bilge, under the engine, under low decking or any place other types of pumps cannot reach. Inlet is through base which has heavy gauge brass strainer. Outlet is illustrated and is for 1 inch rubber hose or 1/2 inch pipe.

CAPACITY — 300 gallons per hour at 1 foot

MAXIMUM HEAD — 8 feet, with 3 foot shaft.

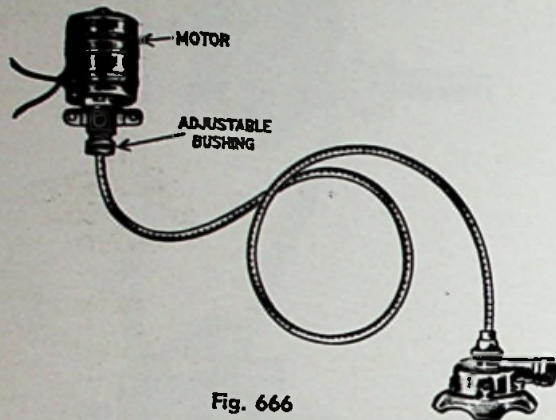


Fig. 666

**FIG. 666 WITH DIRECT DRIVE**

	6 Volt Each	12 Volt Each	Height Pump Inches	Diameter Base Inches	Weight Pounds
With 3 ft. shaft	\$38.50	\$38.50	4 1/4	4 3/8	7
Motor only	\$14.00	\$14.00			

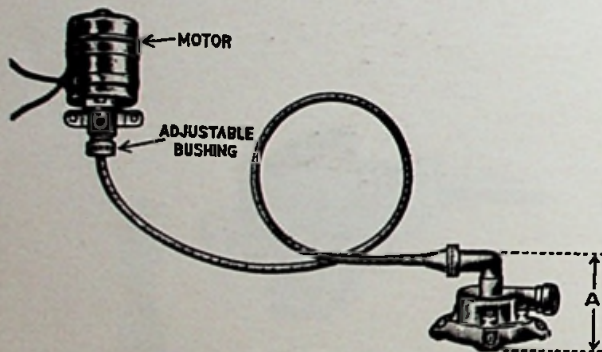


Fig. 689

**FIG. 689 WITH ANGLE DRIVE**

	6 Volt Each	12 Volt Each	Height at "A" Inches	Diameter Base Inches	Weight Pounds
With 3 ft. shaft	\$45.50	\$45.50	3 1/8	4 5/8	7 1/2
Motor only	\$14.00	\$14.00			

**SPARE PARTS**

3 Foot shafts only .....	\$11.25 Each
Fig. 666 Complete Pump Unit only .....	18.50 Each
Fig. 689 Complete Pump Unit only .....	25.50 Each
Impeller only .....	1.00 Each
Strainer only for base of pump .....	1.25 Each
Fig. 689 Mitre Gears with shaft .....	4.00 Per Pair
Fig. 689 Angle Elbow Less Gears .....	4.00 Each
Motor Bulkhead Bracket only .....	3.00 Each

NOTE — See Fig. 210 for "Pipe to Hose" coupling which permits attaching 3/8 inch hose to above pumps.

**AUTOMATIC SWITCH FOR BILGE PUMPS — Fig. 662 Pressure Operated Diaphragm Type — For Non-Automatic Bilge Pumps — Cast Bronze — With Synthetic Rubber Diaphragm — Heavy Duty Mechanical Switch — For All Voltages From 6 to 110**

This device consists of a very sensitive switch in contact with a diaphragm of oil and grease resistant material. The wires are led through a neoprene hose above any normal water level. This switch will start the pump operating when the water reaches the top of the switch or 2 1/4 inches. It will turn off again when the water reaches a depth of 1 inch but by connecting 1/4 inch tubing to the 3/8 inch pipe lapped end of switch and into the discharge line of the pump. The pressure in the pump discharge line will continue to operate the switch until the pump sucks air.



Fig. 662

Complete Switch Each	Spine Switch Each	Spine Diaphragm Each	Height Inches	Diam. Base Inches	Weight Pounds
\$14.50	\$3.00	\$ .80	2 1/4	4 1/4	2

**JUNIOR ELECTRIC BILGE PUMP — Fig. 780**

**Non-Automatic — 6 or 12 Volts — All Brass Except Motor — Nylon Impeller — Nylon Bearings**

The result of a determined effort to produce a good practical electric bilge pump of high capacity at a price as low as possible and within the means of the majority of small boat owners.

Maximum Head — 12 Feet. Capacity at 1 Foot Head — 5 Gallons Per Minute. Capacity at 4 Foot Head — 3½ Gallons Per Minute. Outlet is for regular ½ inch garden hose.

	6 Volt Each	12 Volt Each	Height Overall Inches	Weight Pounds
Complete	\$23.00	\$23.00	8½	2½
Motor only	12.50	12.50		

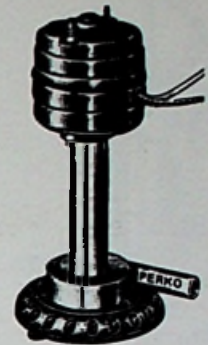


Fig. 780

**BAIT TANK OR WATER SYSTEM PUMP — Fig. 781**

**Electric — 6 or 12 Volts — All Brass Except Motor — Nylon Impeller — Nylon Bearings**

When installed at or below the water line this pump is ideal for keeping the bait tank supplied with constant water changes. As a water system pump it can be placed in the supply line from the fresh water tank to sink, lavatory, shower, etc., per diagram on page 88.

Complete with side mounting bracket. Outlet on side for regular ½ inch garden hose. Inlet in bottom tapped for ½ inch pipe. Information on head, capacity and motor, see Fig. 780.

	6 Volt Each	12 Volt Each	Height Overall Inches	Weight Pounds
Complete	\$23.00	\$23.00	8½	2½
Motor only	12.50	12.50		

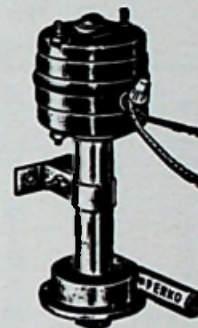


Fig. 781

**PERKO "ROTOFLEX" PUMPS — Fig. 696**

**Synthetic Neoprene Compound Rotor — Neoprene U-Cup Seals — Leakproof — All Bronze Body — Monel Shaft — Brass Grease Cups**

Quiet operation — long continuous service — large capacity at low speed — for use with salt water, oil and tars, self priming — will pump in either direction — Lift in feet, 25-30. Head in feet 30-40.

The rotor is a synthetic compound of neoprene and other chemicals resulting in high resistance to abrasion or wear, is impervious to oil and other impurities. The vanes of the rotor are highly flexible yet tough enough to resist the wear encountered by the passage of sand and other foreign matter; produce the necessary high vacuum and stand the continuous flexing as the rotor revolves. The use of U-cup seals eliminates packing and packing glands. Not to be used with synthetic solvents such as gasoline, naphtha, etc.

No.	Each	Spare Rotors Each	Size Pipe Connection Inches	Diam. Shaft Inches	Extreme Height Inches	Extreme Width Inches	Extreme Length Inches
2	\$16.00	\$1.65	¾	½	3½	3½	6¼
3	21.00	2.40	½	¾	3¾	4	6¾
4	25.50	2.85	¾	¾	4	4½	8¾
5	30.50	2.85	1	¾	4	5	8¾
6	56.75	6.50	1¼	¾	5	7¼	9¼

No.	Dimensions Base Inches	Capacity G.P.M.			Weight Pounds
		600 R.P.M.	*1000 R.P.M.	1500 R.P.M.	
2	3 x 1¼	4.1	4.9	6.4	2½
3	3¾ x 2¾	7.1	8.5	11.0	3¾
4	4 x 3	13.0	16.5	22.0	5¾
5	4½ x 3	15.7	19.2	26.0	6
6	5½ x 3½	19.5	33.5	48.0	14

Spare U-cup seals with brass retainer—\$.60 each.

Specify size of shaft.

\*Recommended maximum for continuous duty. Capacity shown based on 0 lbs. pressure. With special length of shaft, price on application. Motor recommended ¼ to ½ H.P. for sizes No. 2-3-4-5 and up to ¾ H.P. for size No. 6.

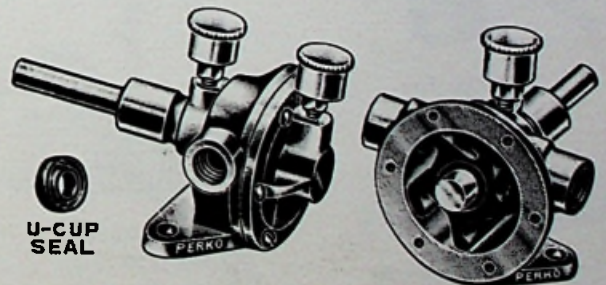
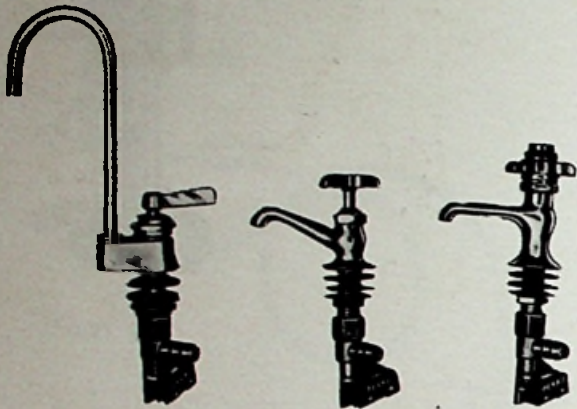


Fig. 696



High Spout  
Fig. 727

Low Spout  
Fig. 728

Fig. 740

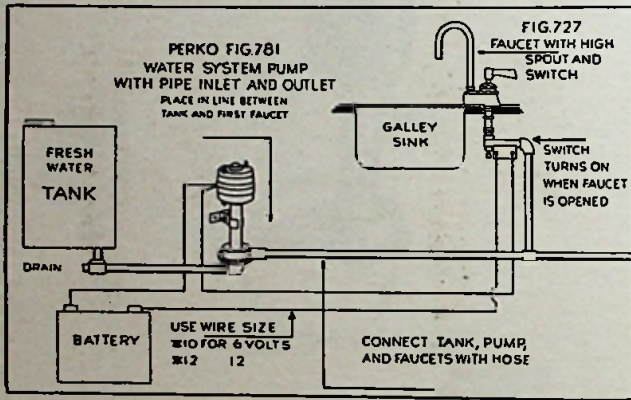
**PERKO ELECTRIC WATER FAUCETS**

All Cast Bronze — With Adjustable Spout — All Voltages 6 to 120 — Turn the Handle and the Water Starts to Flow — No Hand Pumping or Priming Necessary.

Connect one or several of the faucets to our Figure 781 electric pump. (See below for suggested installation.) Water is then supplied to your sink or lavatory as easily as in your home. All connections are for 5/8 inch hose.

**WITH HAND SWITCH — Figs. 727 & 728**

Fig.	Chromium Plated Each	Height Above Drain Board Inches	Length Below Drain Board Inches	Weight Pounds
727	\$21.00	8 1/4	5 1/2	2 1/2
728	17.50	3 3/4	5 1/2	2



**SELF CLOSING TYPE — Fig. 740**

Chromium Plated Each	Height Above Drain Board Inches	Spout Projection Inches	Weight Pounds
\$19.75	3 3/4	2 3/8	2 1/2

**BRONZE UTILITY CHECK VALVE — Fig. 265**

With Brass Ball Check

Ideal for holding prime in the inlet line of galley and lavatory pumps, bilge pumps, etc. Threaded both ends.



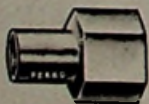
Fig. 265

Each	Pipe Size Inches	Length Inches	Weight Ounces
\$3.50	1/2	1 7/8	3 1/2



Male Pipe Thread  
Fig. 210

**BRASS PIPE-TO-HOSE COUPLINGS — Figs. 210 & 212**  
1/2" Pipe to 3/8" Hose



Female Pipe Thread  
Fig. 212

Each	Length Overall Inches	Length Hose Couplings Inches	Weight Ounces
\$1.25	1 1/2	3/4	2 1/4



**GALLEY AND LAVATORY PUMPS**

Bronze — Chromium Plated

**FIG. 467 WITH METAL HANDLE**

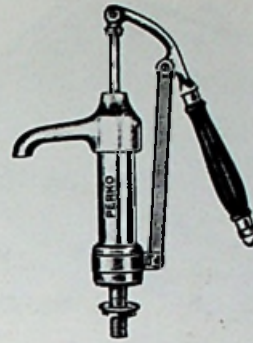
**FIG. 473 WITH MAHOGANY HANDLE**

Both Feature Inlet Valve Designed to Hold Prime and Leakproof Neoprene U-Cup Seals

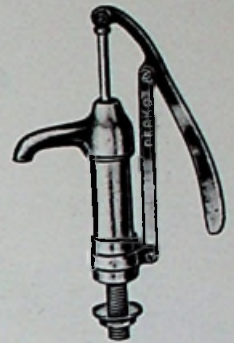
Fig.	Diam. Barrel Inches	Length Barrel Inches	Length Neck Inches	Threaded For Pipe Inches	Weight Pounds
467	1½	6½	2½	½	3½
473	1½	6	2½	½	3½

Fig.	Chromium Plated Each	Chromium Plated Handle Only Each	Mahogany Grip Only Each
467	\$29.50	\$4.50	
473	30.50	5.50	\$1.05

Repair Kit, each \$3.00.



**Fig. 473 Mahogany Handle**



**Fig. 467 Metal Handle**

**FIG. 144 & FIG. 1040**

Flared Flange — Neoprene Plunger and Valve Designed to Hold Prime

Length of stroke — 5¼ inches. Inlet thread — ¾ inch pipe.

Fig.	Diam. Barrel Inches	Length Overall Inches	Projection Spout Inches	Height Spout Inches	Weight Pounds
144	1½	13½	3	0	3
1040	1½	14½	4½	3	3½

Fig.	Chromium Plated Each	Repair Kits Each
144	\$23.00	\$2.75
1040	25.00	2.75



**Fig. 144**



**Fig. 1040**

**ALL BRASS ANGLE TYPE PUMP — Fig. 677**

Double Action — Swivel Spout

When installed with handle toward the user, this pump is extremely simple to operate. Spout swivels to any desired position. Bottom Valve holds prime. Capacity: No. 1 — 20 strokes; No. 2 — 10 strokes per quart.

No.	Chromium Plated Each	*Inlet Pipe Size Inches	Spout Projection Inches	Height Flange To Spout Inches	Weight Pounds
1	\$13.00	¾	3½	2 ½	1 ⅛
2	18.50	¾	4	3 ½	2

Repair Kit, each \$1.50.

\* No. 1 has male thread, No. 2 has female thread.

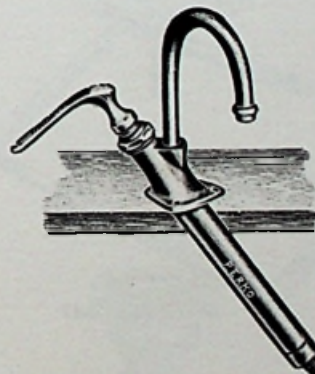
**PERKO "EZY-FLO" PUMP — Fig. 177**

All Brass — Chromium Plated

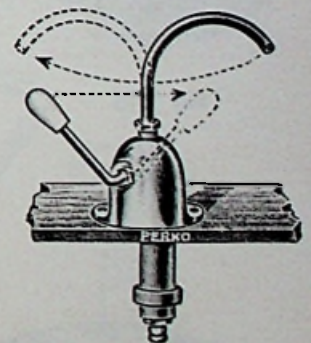
Finger tip control, easy operation and self priming, "Ezy-Flo" functions with simple short rocking strokes. Spout swivels in any direction. Inlet fits 5/8 inch rubber hose or 3/8 inch pipe. Capacity 20 strokes per quart.

Each	Extreme Height Above Drain Board Inches	Dimensions Mounting Base Inches	Weight Pounds
\$27.00	8	4x1 ⅞	2 ¼

Repair Kit, each \$4.15



**Fig. 677**



**Fig. 177**

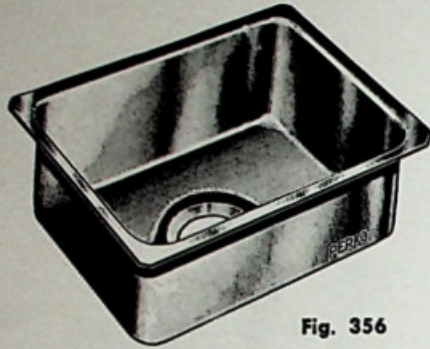


Fig. 356



Fig. 271



Fig. 402



Fig. 382

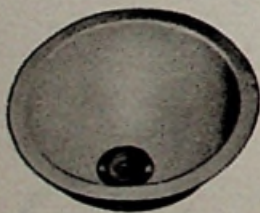


Fig. 240



Fig. 347



Fig. 181

**RECTANGULAR STAINLESS STEEL SINKS — Fig. 356**  
**Deep Drawn, Seamless Construction —**  
**19 Gauge 18-8 — Natural Finish**

Corrosion resistant and immune to rust.  
 No crevices for dirt or bacteria to collect.  
 No painted or coated surface to crack or wear off.  
 Bottom is heavily undercoated for sound deadening.  
 Packed in individual cartons.

No.	Each	Size Inside Inches	Size Outside Inches	Depth Inside Inches	Weight Pounds
1	\$27.50	9 <sup>7</sup> / <sub>8</sub> x13 <sup>3</sup> / <sub>8</sub>	11 <sup>7</sup> / <sub>8</sub> x15 <sup>3</sup> / <sub>8</sub>	5	4
2	34.25	11 <sup>1</sup> / <sub>2</sub> x16 <sup>3</sup> / <sub>4</sub>	13 <sup>1</sup> / <sub>2</sub> x18 <sup>3</sup> / <sub>4</sub>	6	6 <sup>1</sup> / <sub>2</sub>
3	41.25	11 <sup>3</sup> / <sub>4</sub> x19 <sup>3</sup> / <sub>4</sub>	13 <sup>3</sup> / <sub>4</sub> x21 <sup>3</sup> / <sub>4</sub>	7	7 <sup>1</sup> / <sub>2</sub>

Drain fittings for above, see fig. 357.

**ROUND STAINLESS STEEL SINKS — Fig. 271**  
**Deep Drawn, Seamless Construction —**  
**20 Gauge 18-8 — Natural Finish**

Bottom is heavily undercoated for sound deadening.  
 Packed in individual cartons.

No.	Each	Diameter Inside Inches	Diameter Outside Inches	Depth Inside Inches	Weight Pounds
6	\$14.95	10 <sup>3</sup> / <sub>4</sub>	12 <sup>3</sup> / <sub>4</sub>	5	2

Drain fitting for above, see fig. 586.

**PRESSED STEEL SINK — Fig. 402**  
**White Porcelain Enamelled — Flat Rim**

Packed in individual cartons.

Sink Only Each	Size Inside Inches	Size Outside Inches	Depth Inches	Weight Pounds
\$11.40	10 <sup>1</sup> / <sub>2</sub> x16	12 <sup>3</sup> / <sub>4</sub> x18	4 <sup>3</sup> / <sub>4</sub>	4

Drain fittings for above, see fig. 586.

**FIBRE GLASS GALLEY SINK — Fig. 382**  
**Glazed White**

Each	Inside Dimensions Inches	Outside Dimensions Inches	Inside Depth Inches	Weight Pounds
\$16.00	11 <sup>1</sup> / <sub>2</sub> x 16 <sup>3</sup> / <sub>4</sub>	13 <sup>1</sup> / <sub>2</sub> x 18 <sup>3</sup> / <sub>4</sub>	6	2 <sup>1</sup> / <sub>4</sub>

Drain fitting not included, see Fig. 357.

**ROUND FIBRE GLASS SINK — Fig. 240**  
**Glazed White**

Each	Inside Diameter Inches	Outside Diameter Inches	Inside Depth Inches	Weight Ounces
\$8.75	10 <sup>3</sup> / <sub>4</sub>	12 <sup>3</sup> / <sub>4</sub>	5	14

Drain fitting not included, see Fig. 586.

**SINK FRAMES — Figs. 347 & 181**

**For Flush Installation — Self Sealing — Stainless Steel**  
**Easily Installed — No Special Tools Required**

Complete with mounting lugs, bolts and corner brackets.

Fig.	No.	Each	For Sink Outside Dimensions Inches
347	1	\$8.00	11 <sup>3</sup> / <sub>8</sub> x15 <sup>3</sup> / <sub>8</sub>
347	2	8.25	13 <sup>1</sup> / <sub>2</sub> x18 <sup>3</sup> / <sub>4</sub>
347	3	8.50	13 <sup>3</sup> / <sub>8</sub> x21 <sup>3</sup> / <sub>8</sub>
181	6	9.85	12 <sup>3</sup> / <sub>4</sub>

**WHITE VITREOUS CHINA LAVATORIES**

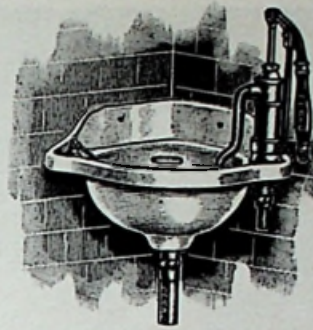
**Fig. 830 Corner Type —**

**Fig. 831 Flat Back & Fig. 832 Flat Back**

**All Feature Round Basin Overflow and Integral Back**

Fitted with chromium plated waste plug, chainstay, chain, stopper and tail piece.

Fig.	No.	Without Pump or Faucet Each	With Faucet Each
830	1	\$46.25	\$52.75
	2	57.25	63.75
831		37.75	44.25
832		45.75	52.25



**Fig. 830  
Corner Type**



**Fig. 831  
Flat Back**

Fig.	No.	Lavatory Size Inches	Diameter Basin Inches	Diameter Outlet Inches	Diameter Pump Inlet Inches	Height Back Inches	Weight Pounds
830	1	12x12	10	1 1/4	1/2	2 1/2	20
	2	14x14	11	1 1/4	1/2	2 1/2	22 1/2
831		12x12	10	1 1/4	1/2	2 1/2	19 1/2
832		14x14	11	1 1/4	1/2	2 1/2	23

NOTE: Pumps for above, see Figs. 144-467-473-1040. Faucets are Chromium plated bronze, marked "Hot" or "Cold", please specify. All above furnished without pump or faucet unless otherwise specified.



**Fig. 832  
Flat Back**



**Fig. 823**

**FIBRE GLASS LAVATORIES — Figs. 823 & 825**

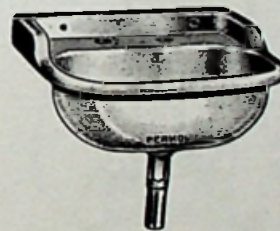
**Chip Proof — Heat Resistant — Resilient — Glazed White**

These sturdy basins have all the appearance of fine vitreous china and will perform all the functions of same while providing light weight and lower cost.

Will accommodate regular faucets or our various lavatory pumps.

Supplied complete with 1 1/4 inch tail piece for outlet.

Fig.	Each	Size Inches	Size Basin Inches	Height Back Inches	Depth Inches	Weight Pounds
823	\$19.75	13 1/2 x 13 1/2	11 3/4 x 8 1/2	1 1/2	5	2
825	19.75	15 1/4 x 12 3/4	12 x 7 1/2	1 3/8	5	2 1/4



**Fig. 825**

**DRAIN FITTINGS — Figs. 357 & 586**

**Brass — Chromium Plated — With Tail Piece for Hose**

Fig.	Each	Opening In Sink Inches	Diameter Tail Piece Inches	Weight Ounces
357	\$5.00	3 1/2	1 1/2	20
586	2.35	2	1 1/2	10

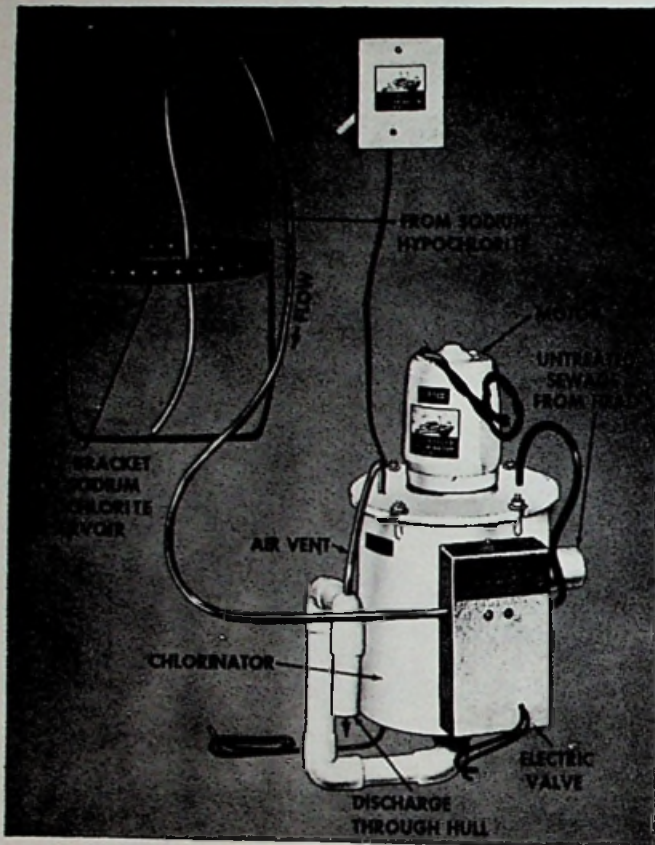


**Fig. 357**



**Fig. 586**

Fig. 357 is for sinks Figs. 356 & 382.  
Fig. 586 is for sinks Figs. 240, 271 & 402.



**NEW HEADMASTER  
CHLORINATOR MODEL "EH" — Fig. 860**  
Fully Automatic — Electrically Operated

Fully automatic and electrically operated, the new PERKO "Headmaster" Chlorinator treats and renders harmless all effluent from hand operated and electric toilets. It is the culmination of more than five years of research, development and testing and hence is years ahead in design.

It is fabricated from the finest quality materials to assure maximum performance and dependability through out its long life. The main body of the unit is a heavy metal casting which is designed to withstand pressures far in excess of normal operation conditions.

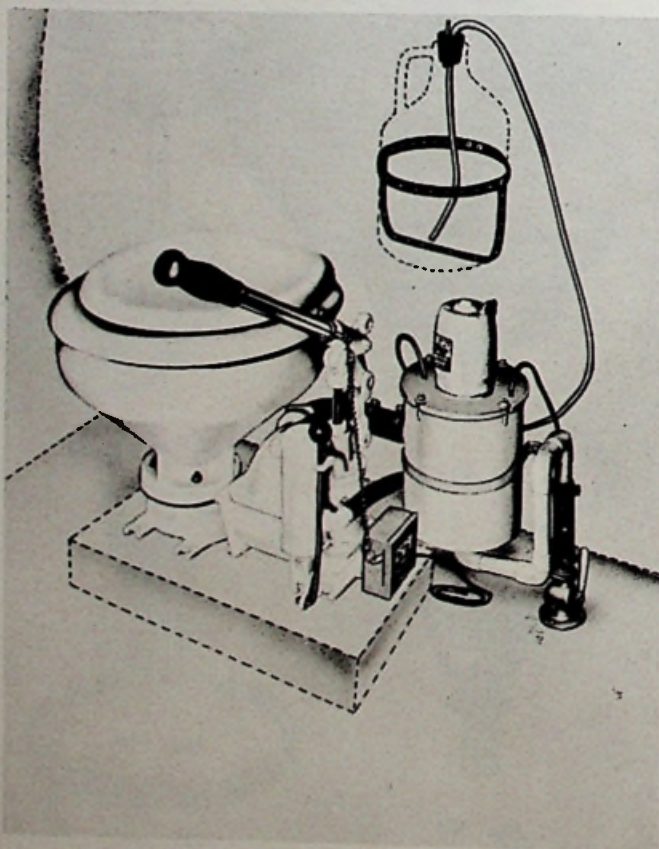
Fitted with "O" ring seals, the Chlorinator's heavy duty motor turns at 8,000 R.P.M. and is fitted with stainless steel shaft and cutter blades. A specially designed electric valve controls the flow of sodium hypochlorite. The exact amount is metered out with no dripping or waste. The valve operates automatically and is trouble free.

In manual units the automatic timer switch is attached to the pump handle. When the handle is operated, the timer switch turns on the motor, opens the valve and the sewage is treated as it is discharged from the toilet.

In electric toilets, it is necessary to attach a relay in the timer switch circuit which will turn on the electric motor when the toilet is flushed.

In both manual and electric toilets, the unit should be adjusted to operate for one minute to a minute and a half. This is the time required to discharge the entire unit and make the Chlorinator ready for another use.

Packing — one to a carton. Weight — approximately 20 pounds. Available in 6, 12, 32 volts D.C. and 110 volts A.C. Guaranteed against manufacturing defects for 1 year.



Complete As Illustrated	Width Main Unit Inches	Height Main Unit Inches	Discharge Pipe Size Inches	Inlet Pipe Size Inches	Weight Pounds
\$104.50	9	13	3/4	1	11

**PERKO MARINE CLOSETS**

Can be Installed Above or Below the Waterline — White Vitreous China Bowl — Rim Flushing Type — All Bronze Pump and Fittings — White Painted Finish — All White Seats and Covers — Plastic Hinges — Outlet Tailpiece Has Neoprene "Joker" Backwater Check Valve — Waste Arm Has 1/4 Inch Pipe Size Drain Out Openings — Inlet Tailpiece for 3/8 Inch Hose — Outlet Tailpiece for 1 1/2 Inch Hose.

**THE "BOATMAN"**

Fig. 828-D With Hand Valve  
Fig. 829-D With Foot Valve

Handle can be changed to vertical position by anyone in a few minutes.

Height With Cover Inches	Height Without Cover Inches	Width Side to Side Inches	Depth Front to Back Inches	Size Base Inches	Weight Pounds
13 1/4	12 1/8	17	16	12x5	40

No.	Each
1 Fig. 828-D with Seat and Cover	\$96.00
2 Fig. 828-D With Seat Only	95.00
3 Fig. 829-D With Seat and Cover	98.00
4 Fig. 829-D With Seat Only	97.00

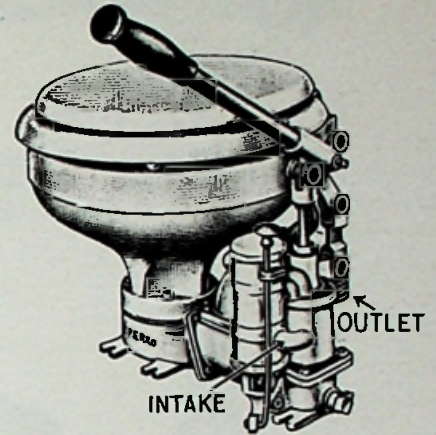


Fig. 828-D With Hand Valve  
Fig. 829-D With Foot Valve

**"LITTLE JOHN" — Fig. 833**

This compact little closet was designed primarily for small boats where space is limited.

Supplied only as illustrated, with horizontal handle and hand valve.

Height With Cover Inches	Height Without Cover Inches	Width Side to Side Inches	Depth Front to Back Inches	Size Base Inches	Weight Pounds
13 1/4	12 1/8	15	16	9x5	32

No.	Each
1 Without Joker Valve, with seat and cover	\$85.75
2 Without Joker Valve, with seat only	84.25
3 With Joker Valve, with seat and cover	92.50
4 With Joker Valve, with seat only	91.00

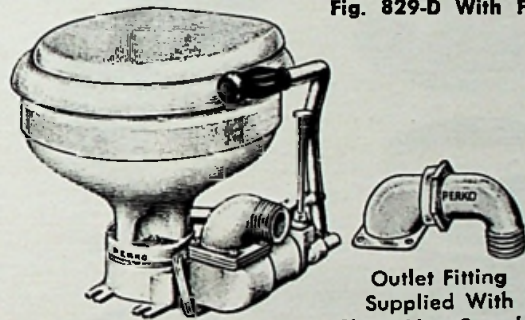


Fig. 833

**BRONZE ROUND WAY SEA COCKS — Figs. 834 & 835**  
With Drain Plugs and Removable Handle

Size Inches	Fig. 834 Each	Fig. 835 Each	With Fig. 86 Strainer Add Each	Size Strainer Inches	Without Hull Connection Deduct Each
3/4	\$17.95	\$17.70	\$1.20	3 1/2	\$1.60
1	26.10	24.75	1.20	3 1/2	2.05
1 1/4	32.80	31.40	1.65	4	3.10
1 1/2	38.30	38.00	2.50	5	3.85
2	64.75	62.90	2.95	6	5.60

**NEW ECONOMY ROUND WAY SEA COCKS — Fig. 821**  
Cast Bronze — Drain Plug

Pipe Size Inches	Each	Without Hull Connection Deduct, Ea.	Without Hose Connection Deduct, Ea.	With Fig. 86 Strainer Add, Ea.	Diam. Strainer Inches	Complete Weight Pounds
1/2	\$8.00	\$2.20	\$.90	\$.80	2 1/2	7/8
3/4	9.50	3.00	1.05	1.20	3 1/2	1 1/2
1	13.50	4.05	1.35	1.20	3 1/2	2 1/2
1 1/4	18.00	5.90	1.75	1.65	4	4
1 1/2	24.00	7.25	2.00	2.50	5	5 1/4

NOTE: The 1/2" size has connection for 3/8" hose. Other sizes use same size hose as pipe size.



Fig. 834



Fig. 821



Fig. 835

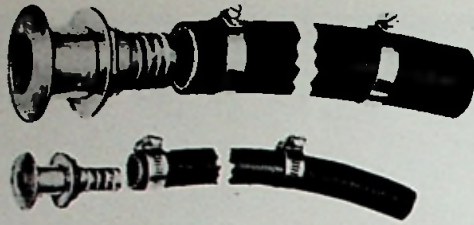


Fig. 843

**CLOSET INSTALLATION KIT — Fig. 843**

This handy kit contains all that's needed to install PERKO marine closets. It consists of the following:

**Outlet** — 3 feet of 1 1/2" I.D. heavy walled hose.  
 2 Perko Fig. 5228 stainless steel hose clamps.  
 1 Perko Fig. 350 bronze thru hull fitting (1 1/2").

**Inlet** — 3 feet of 5/8" I.D. heavy walled hose.  
 2 Perko Fig. 5210 stainless steel hose clamps.  
 1 Perko Fig. 350 bronze thru hull fitting (5/8").

\$13.50 per Kit

**TOILET PARTS AND REPAIR KITS**

The following kits are complete with all parts likely to wear out such as all gaskets, valves, packing, washers, seals and leathers.

Fig. 836 for Fig. 833 No. 1 and 2	Per Kit	\$6.40
Fig. 836-A for Fig. 833 No. 3 and 4		7.70
Fig. 909 for Figs. 828-D and 829-D		7.50

Fig. 844 White Seat and Cover Complete	Each	\$9.00
Fig. 845 White Seat, No Cover, Complete		7.00
Fig. 846 White Vitreous Bowl Only		22.00
Fig. 849 Neoprene Joker Valve Only		1.30
Fig. 855 Neoprene Clack Valve Only		1.00
*Fig. 856 Conversion Kit for Fig. 833		9.50

\*This kit contains a joker valve with necessary castings for converting Fig. 833 No. 1 or 2 to No. 3 or 4.



Fig. 384

**THRU HULL CONNECTIONS — Fig. 384**

For Fibre Glass Boats — Cast Bronze — Short Neck

Pipe Size Inches	Plain Each	Polished Chromium Plated Each	Length Neck Inches	Diameter Flange Inches	Weight Ounces
1/2	\$2.10	\$3.00	1	1- 9/16	4
3/4	2.75	3.65	1 1/2	1-15/16	5
1	3.85	4.75	1 3/4	2- 3/8	9
1 1/4	5.50	6.40	1 3/4	2- 7/8	14
1 1/2	6.50	7.50	1 3/8	3- 1/16	18

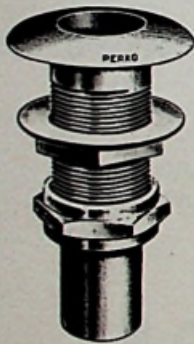


Fig. 64

**THRU HULL CONNECTION — Figs. 64 & 322**

Cast Bronze — Plain — With and Without Tail Piece

Pipe Size Inches	Fig. 64 Each	Fig. 322 Each	Length Neck Inches	O.D. Tail Piece Inches	Diam. Flange Inches	Wt. Fig. 64 lbs.	Wt. Fig. 322 lbs.
3/8	\$2.75	\$1.75	2 3/8	1/2	1 3/8	3/8	1/4
1/2	3.25	2.00	2 3/8	1/2	1 3/8	1/2	3/8
3/4	4.15	2.75	2 5/8	3/4	2	3/8	1/2
1	5.95	3.90	2 7/8	1	2 1/4	1	3/4
1 1/4	8.20	6.00	3 1/2	1 1/4	2 7/8	1 3/4	1 1/2
1 1/2	11.05	7.35	3 3/4	1 1/2	3	2 1/8	1 3/8
2	15.05	10.85	4	2	3 1/2	3	1 3/4
2 1/2		15.50	4		4 1/2		2 3/4

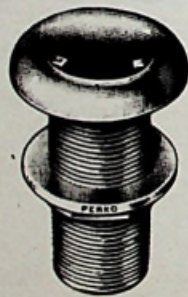


Fig. 322

**THRU HULL CONNECTIONS FOR HOSE — Fig. 311**

Cast Bronze

Plain Each	Polished Chromium Plated Each	For Hose Inches	Inside Diameter Inches	Length Overall Inches	Weight Ounces
\$1.60	\$2.50	3/4 and 1	9/16	3 1/8	7



Fig. 311

**THRU HULL CONNECTIONS FOR HOSE — Fig. 350**

Cast Bronze

For Hose Inches	Plain Each	Polished Chromium Plated Each	Length Overall Inches	Maximum Wood Thickness Inches	Weight Pounds
* 5/8	\$2.40	\$3.30	3	1 1/4	3/8
3/4	2.80	3.70	3 5/8	1 5/8	1/2
1	4.25	5.15	3 7/8	1 7/8	7/8
1 1/4	5.90	5.00	4 1/4	2	1 3/8
1 1/2	6.45	7.45	4 1/4	2	1 1/2

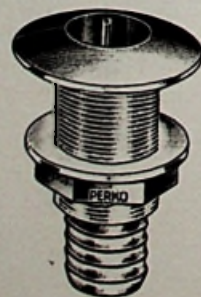


Fig. 350

\*This size for inlet of closets Figs. 833, 828, 829.

**WATER OUTLETS — Fig. 332**

Cast Bronze

No.	Plain Bronze Each	Chromium Plated Each	For Hose Inches
1	\$4.75	\$6.25	3/8
2	6.00	7.50	3/4

No.	Pipe Size Inches	Diam. Flange Inches	Length of Pipe Inches	Weight Ounces
1	3/4	2 3/4	2 1/4	12
2	1	3	3 1/4	16

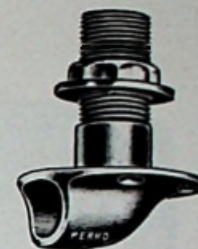


Fig. 332

**SPEEDBOAT STRAINERS — Fig. 65**

Cast Bronze — Plain

Designed to prevent clogging. Will admit full supply of water at all speeds.

Size Pipe Inches	Each	Length Pipe Inches	Dimensions Strainer Inches	Weight Pounds
1/2	\$3.50	2 1/4	2 1/2 x 3 1/2	3/8
3/4	4.60	2 5/8	3 x 4	3/8
1	6.00	3	3 1/4 x 4 1/4	1 1/8
1 1/4	8.80	3 3/4	3 3/4 x 4 1/2	1 3/4

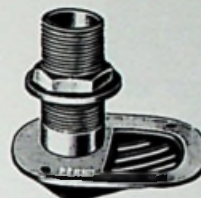


Fig. 65

**SPEEDBOAT STRAINERS FOR HOSE — Fig. 102**

Cast Bronze — Plain

No.	Each	Length Neck Inches	Maximum Wood Thickness Inches	Dimensions Strainer Inches	Weight Pounds
1	\$4.70	2 3/4	1 3/8	2 1/2 x 3 1/2	7/8
2	5.55	2 7/8	1 1/2	3 x 4	1 1/8

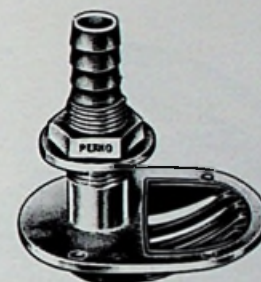


Fig. 102

**NEW CAST BRONZE PIPE TO HOSE ADAPTER — Fig. 76**

Pipe Size Inches	Hose Size Inches	Each	Length Overall Inches	Weight Ounces
1/2	3/8	\$1.10	1 5/8	1 1/2
3/4	3/4	1.25	1 3/4	2 1/8
1	1	1.60	1 3/4	3 1/2
1 1/4	1 1/4	2.00	2	5 1/8
1 1/2	1 1/2	2.25	2 1/4	8 1/8



Fig. 76

**SCOOP STRAINERS — Fig. 66**

Cast Bronze

Can be used with inlet connection, Fig. 64. No. 1 will fit up to 1/2 inch. No. 2 will fit up to 1 inch. No. 3 will fit up to 1 1/4 inches. No. 4 up to 2 inches.

No.	Each	Outside Dimension Inches	Weight Pounds
1	\$ .95	3 1/2 x 2 1/2	1/4
2	2.30	5 x 3 1/4	3/8
3	3.00	6 1/4 x 4 1/4	1
4	5.50	8 1/4 x 5 1/4	2



Fig. 66

**ROUND STRAINERS — Fig. 86**

Cast Bronze

Outside Diam. Inches	Each	Inside Diam. Inches	Weight Pounds
2 1/2	\$ .75	1 5/8	1/5
3	.85	2	1/4
3 1/2	1.05	2 3/8	1/3
4	1.50	3	1/3
5	2.30	3 3/4	3/4
6	2.95	4 1/2	1



Fig. 86



Fig. 67 Straight  
Fig. 78,  
90 Degree

**BRONZE TAIL PIECES — Figs. 67 & 78**

For lead pipe or hose connections, furnished complete with rubber washer.

Pipe Size Inches	O. D. Tail Piece Inches	Fig. 67 Each	Fig. 78 Each
1/4	3/8	\$1.00	
3/8	1/2	1.00	
1/2	1/2	1.25	
3/4	3/4	1.40	\$1.70
1	1	2.05	3.45
1 1/4	1 1/4	2.20	3.65
1 1/2	1 1/2	3.70	4.00
2	2	4.80	6.15

**FLANGED NUTS — Fig. 75**

Cast Bronze — For Hull Connections

Pipe Size Inches	Each	Weight Ounces
3/8	\$ .45	1
1/2	.50	1 1/4
3/4	.75	2
1	1.05	2 1/2
1 1/4	1.80	6
1 1/2	2.20	6
2	3.30	10
2 1/2	3.60	15



Fig. 75



Fig. 796

**MARINE WINDOWS — Fig. 796**

**With Spigot — Plain Bronze or Aluminum — Watertight — Two Fastenings**

Furnished complete with removable screen and outside finishing frame.

Designed to supply the maximum amount of air and light possible while keeping bulk and weight to a minimum.

No.	Size of Opening Inches	Plain Bronze Each	Plain Aluminum Each
1	5x12	\$36.60	\$28.65
2	7x16	50.00	35.50

No.	Dimensions Outside of Frame Inches	Length Spigot Inches	Thickness Glass Inches	Bronze Weight Pounds	Aluminum Weight Pounds
1	7 $\frac{1}{4}$ x 14 $\frac{1}{4}$	2	$\frac{1}{4}$	16	7
2	10 x 19 $\frac{1}{4}$	2	$\frac{1}{4}$	22	10



Fig. 803

**MARINE WINDOWS — Fig. 803**

**Without Spigot — Plain Bronze or Aluminum — Watertight — Two Fastenings**

Furnished complete with removable screen. Without finishing frame.

No.	Size of Opening Inches	Plain Bronze Each	Plain Aluminum Each	Bronze Weight Pounds	Aluminum Weight Pounds
3	5x12	\$28.50	\$23.00	11 $\frac{1}{2}$	5
4	7x16	36.50	28.50	16	7

**SPECIAL FINISHING FRAMES FOR FIG. 803**

3	5x12	\$5.00	\$4.50	2 $\frac{1}{2}$	1
4	7x16	7.50	5.50	3 $\frac{1}{2}$	1 $\frac{1}{2}$

**NOTE**—These Special Finishing Frames have mounting holes drilled to line up with those in window frame.

For other dimensions, see Fig. 796 above.

**NOTE**—Spare Screens for Figs. 796 and 803, size 5x12 inches—\$5.00 each. Size 7x16 inches—\$5.75 each.

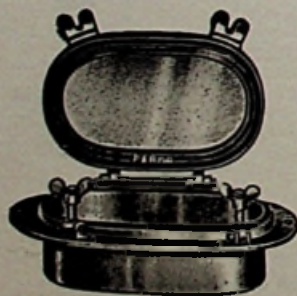


Fig. 897

**OVAL INSIDE PORTLIGHTS — Fig. 897**

**Plain Bronze or Aluminum — With Outside Finishing Ring and Removable Hinge Pin**

Size of Opening Inches	Bronze For Wood Thickness 1 $\frac{1}{2}$ Inches	Aluminum For Wood Thickness 1 $\frac{1}{2}$ Inches	Without Finishing Ring—Deduct	
			Bronze Each	Aluminum Each
4x7	\$24.70	\$18.70	\$ 2.00	\$ 1.50
5x9	31.60	23.20	2.85	2.20

Size of Opening Inches	Length Flange Inches	Width Flange Inches	Thickness Glass Inches	Bronze Weight Pounds	Aluminum Weight Pounds
4x7	10	7	$\frac{3}{8}$	8 $\frac{1}{2}$	4 $\frac{1}{4}$
5x9	12	8	$\frac{3}{8}$	11 $\frac{1}{2}$	6

**NOTE**—Screens for above, see Fig. 443.



**ROUND PORTLIGHTS — Fig. 317**

Cast Bronze — Glass Area Is Same Diameter As Opening

Diam. Opening Inches	Plain Bronze Each	Diam. Clear Glass Inches	Outside Diam. Frame Inches	Thickness Glass Inches	Weight Pounds
4	\$12.20	4	7 $\frac{3}{4}$	$\frac{1}{4}$	2 $\frac{3}{4}$
5	15.20	5	8 $\frac{3}{4}$	$\frac{1}{4}$	4 $\frac{3}{8}$
6	17.65	6	9 $\frac{3}{4}$	$\frac{1}{4}$	5 $\frac{3}{4}$
8	28.30	8	12 $\frac{1}{4}$	$\frac{3}{8}$	9 $\frac{1}{8}$

All sizes have Removable Hinge Pin.



Fig. 317

**MORE-AIR PORTLIGHTS — Fig. 157**

Inside Pattern — For Wood Hulls — Cast Bronze — Plain Complete With Outside Finishing Ring — Glass Area Is Same Diameter As Opening — All Sizes Are Grooved for Screens — With Removable Hinge Pin

Opening Inches	For Thickness of Wood		Weight 1 $\frac{1}{2}$ Inch Spigot In Pounds
	1 $\frac{1}{2}$ Inch Plain Bronze Each	3 Inch Plain Bronze Each	
4	\$13.00	\$14.75	4 $\frac{1}{2}$
5	14.75	17.75	6
6	19.00	21.90	7 $\frac{3}{4}$
8	29.75	34.00	14 $\frac{1}{2}$

Opening Inches	Outside Diameter Frame Inches	Thickness Glass Inches	Weight 1 $\frac{1}{2}$ Inch Spigot In Pounds
4	6 $\frac{7}{8}$	$\frac{1}{4}$	4 $\frac{1}{2}$
5	7 $\frac{3}{4}$	$\frac{1}{4}$	6
6	8 $\frac{7}{8}$	$\frac{1}{4}$	7 $\frac{3}{4}$
8	11 $\frac{1}{2}$	$\frac{3}{8}$	14 $\frac{1}{2}$

For 1 inch wood, use 1 $\frac{1}{2}$  inch price.  
For 2 or 2 $\frac{1}{2}$  inch wood use 3 inch price, etc.

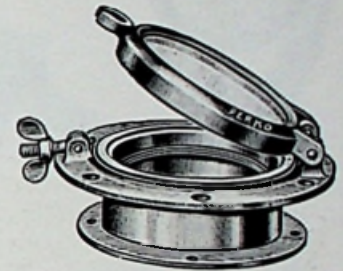
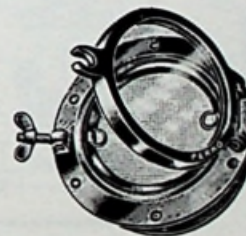


Fig. 157



Showing Screen in Place

Without outside finishing ring, deduct from above prices the following:

	4 Inch	5 Inch	6 Inch	8 Inch
Plain	\$1.15	\$1.30	\$1.60	\$3.10

NOTE—Screens for all portlights above see Fig. 442.

STOCK SIZE IS FOR 1 $\frac{1}{2}$  INCH WOOD, OTHER SIZES MADE TO ORDER ONLY.

**DECK LIGHTS — Fig. 838**

Cast Bronze — For Wood Decks

Diameter Clear Glass Inches	Plain Bronze Each	Thickness Glass Inches	Outside Diam. Frame Inches	Weight Pounds
4	\$ 6.10	$\frac{1}{4}$	6 $\frac{1}{2}$	2
5	9.80	$\frac{3}{8}$	7 $\frac{1}{2}$	3 $\frac{1}{4}$
6	12.20	$\frac{3}{8}$	8 $\frac{1}{2}$	3 $\frac{1}{4}$
8	20.90	$\frac{1}{2}$	11	7 $\frac{1}{4}$



Fig. 838



Fig. 442



Fig. 443



Fig. 434



Fig. 441



Fig. 461



Figs. 482 & 479

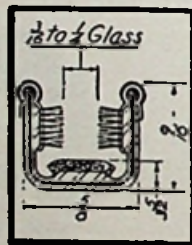


Fig. 954

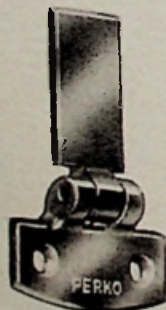


Fig. 935



Fig. 937

**ROUND PORTLIGHT SCREENS — Fig. 442**

**Bronze — Spring Type**  
For Figs. 157 & 317 Portlights

For Size Opening Inches	Bronze Each	Dull Chromium Plated Each	For Size Opening Inches	Bronze Each	Dull Chromium Plated Each
4	\$2.65	\$3.65	6	3.35	4.35
5	3.00	4.00	8	4.35	5.35

**OVAL PORTLIGHT SCREENS — Fig. 443**

**Bronze — Spring Type — For Fig. 897 Portlight**

For Size Opening Inches	Bronze Each	Dull Chromium Plated Each
4x7	\$3.85	\$4.85
5x9	4.50	5.50

**ROUND PORTLIGHT SCREENS — Fig. 434**

**Brass Frame — Copper Screening — Friction Type — For Recessed Portlights**

Outside Diameter Inches	For Size Portlight Inches	Each	Outside Diameter Inches	For Size Portlight Inches	Each
4 1/8	4	\$2.75	8 1/8	8	\$4.60
5 1/8	5	3.15	9 1/8	9	4.80
6 1/8	6	3.45	10 1/8	10	6.00
7 1/8	7	4.20	12 1/8	12	6.85

Larger sizes made to order—Price on application.

**PORTLIGHT CHAINS — Fig. 441**

Polished Each	Chromium Plated Each	Length Inches	Size Plate Inches	Weight Ounces
\$2.00	\$2.85	8	1 1/4 x 1	3

**RUBBER FOR PORTLIGHTS — Fig. 461**

Size	Per Length
1/4 inch square	\$2.15
3/8 inch square	3.00
1/2 inch square	4.75

Supplied only in 12 1/2 foot lengths

**GLASS RUN WINDOW CHANNEL — Figs. 482 & 479**

Fig. 482 — Standard Type — is vulcanized rubber covered, mohair lined, No. 400 series stainless steel bead.

Per 8 Foot Length — \$5.30

Fig. 479 — Marine Type — Wool felt pile with vinyl strip for smoother operation of glass. No. 302 stainless steel bead.

Per 8 Foot Length — \$9.25

Weight per length 1 pound

**SLIDING WINDOW HANDLE — Fig. 954**

**Brass — Chromium Plated — For 1/4 Inch Glass**  
A useful handle made for easier operation of sliding windows.

\$1.35 Each. Length — 3 inches. Weight — 1 ounce.

**NEW SLIDING WINDOW STOP — Fig. 935**

**Cast Bronze — Chromium Plated**

Each	Mounting Plate Inches	Stopping Plate Inches	Weight Ounces
\$2.65	1 7/8 x 3/4	1 1/2 x 3/4	2 1/8

**NEW SLIDING WINDOW LOCK AND ANTI RATTLER — Fig. 937**

**Cast Bronze — Chromium Plated**

Each	Height Overall Inches	Mounting Plate Inches	*Length Screw Inches	Weight Ounces
\$2.00	1 5/8	1 x 5/8	1 1/8	1 3/4

\*Between knob and rubber

### OUTBOARD STEERERS

Made In Accordance With O.B.C. Engineering Manual, 1963 Edition — Brilliant Colors — Modern Styling — Chromium Plated Housing — Nylon Bearings

Figs. 1270, 1271 & 1272

For Thru-Dashboard Or Under Dashboard Mounting

A Very Attractive Wheel Of Modern Deep Dish, 2-Spoke Design With Moulded Finger Grips For Ease Of Handling.

Housing Is Perfectly Engineered, High Grade Precision Die Casting, Polished And Chromium Plated. Bearings Are Nylon, Assuring Smooth Operation.

Two Tone Colors Are — Ivory And Red — Ivory And Blue — Ivory And Charcoal — Ivory And Green

With Solid Ivory Colored Wheel .....\$15.00 Each.  
With Two Tone Colored Wheel ..... 15.50 Each.

Outside Diameter Wheel Inches	Length Overall Inches	Length Dash To Grip of Wheel Inches	Diameter Score of Drum Inches	Diameter Overall of Drum Inches	Weight Pounds
15	12 $\frac{5}{8}$	7 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{3}{4}$	7 $\frac{1}{4}$

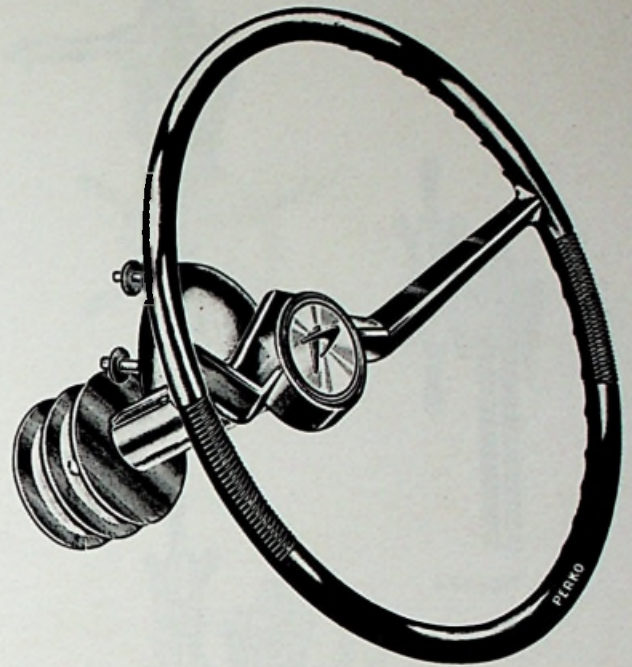


FIG. 1270

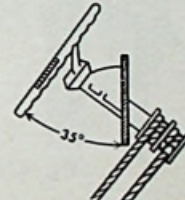
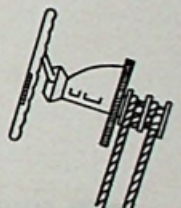


FIG. 1271



FOR ANGLE DASH FIG. 1272

Figs. 1257, 1257-A & 1257-B

For Thru-Dashboard Mounting — Fixed Angle — Not Adjustable

With Solid Ivory Colored Wheel .....\$14.50 Each.  
With Two Tone Colored Wheel ..... 15.00 Each.

Length Overall Inches	Length Dash to Grip of Wheel Inches	Width Dash Bracket Inches	Height Dash Bracket Inches	Diameter Score of Drum Inches	Diameter Overall of Drum Inches	Weight Pounds
11 $\frac{1}{2}$	6	5	2 $\frac{3}{8}$	2 $\frac{1}{2}$	3 $\frac{3}{4}$	7

NOTE—No bolts or screws necessary to install this steerer. Just drill a  $\frac{1}{4}$  inch diameter hole in dash. Steerer held firm by angle washer and large locknut.

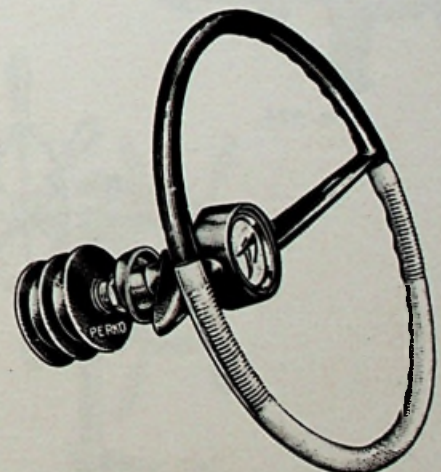


Fig. 1257 with 20 degree angle

Fig. 1257-A with 35 degree angle

Fig. 1257-B with 90 degree angle

**CHAIN TYPE STEERERS — Fig. 678**

All Bronze — With Roller Chain —  
For Wheel Box Mounting

No.	Each	Wheel End of Shaft Inches	*Length Shaft Inches	Dimensions of Bracket Inches	Weight Pounds
1	\$54.00	7/8	2 7/8	6 x 5 1/2	11
2	56.00	1			

\*Length between bracket and wheel.  
With chromium plated nut add \$.75 each.

- Chain only, without Shackles, per foot . . . . . \$7.25
- Chain Shackles, each . . . . . 1.00
- Acorn Nuts, each . . . . . 2.00
- Sprocket only, each . . . . . 6.75

Sprocket, 4 3/8 inch diameter, 21 teeth.  
Chain, 36 inches long, 3/8 inch pitch.  
Shaft machined for hub 2 1/8 inches thick.

Wheels for above see Figs. 657, 914 and 976, Sizes 4, 5 and 6.

Special machining of shaft, on application.  
Supplied with reversed shaft for thru-bulkhead mounting at above prices, please specify.



Fig. 674

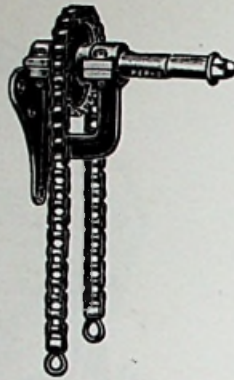


Fig. 678



Fig. 675

**CHAIN TYPE STEERERS — Figs. 674 & 675**

With Fig. 976 Cast Bronze Wheel  
Polished Or Chromium Plated

Diameter Wheel Inches	Polished Bronze Each	Chromium Plated Each	Machined Wheel End of Shaft Inches	Diam. Shaft Inches
16	\$77.50	\$80.00	7/8	1
20	86.00	89.00	7/8	1
24	99.00	103.00	1	1

Wheel, shaft and nut only are polished or plated, balance of steerer is plain bronze.

NOTE—Both of the above steerers can be supplied with Fig. 914 wheel. For price, add the difference between Figs. 976 and 914, sizes No. 1, 2 or 3.

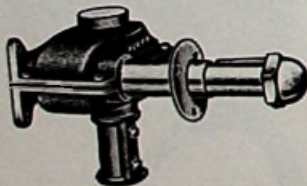


Fig. 524

**UNIVERSAL WORM GEARED STEERER — Fig. 524**

Cast Bronze Housing

A completely universal steerer in all respects. Can be operated either right or left hand and wheel shaft may be quickly and easily reversed for wheel box or thru-bulkhead mounting.

For rudder of 4 square foot area.

For 1 inch diameter vertical shaft.

Each	Diam. Wheel Shaft Inches	*Length Shaft Inches	Length For Hub Inches	Size Bracket Overall Inches	Weight Pounds
\$65.00	1	3	2 1/2	5 x 2 3/4	7 1/2

With Chromium plated nut and plate add \$1.00.

\*Length between box and wheel.



Fig. 820

**WITH WHEEL AND FITTINGS — Fig. 820**

All Bronze — Without Vertical Shaft

No.	With Polished Bronze Wheel Each	With Chromium Plated Wheel Each	Diameter Wheel Inches	Weight Pounds
1	\$115.00	\$118.00	16	22
2	125.00	128.00	20	25
3	140.00	145.00	24	29

Wheel used is Fig. 976 sizes 4, 5 or 6.

If preferred with wheel Figs. 657 or 914 add difference in price of wheel only.

Other spare parts see Fig. 865 Part Nos. 1, 5, 6 & 8.

**DRUM STEERERS — Fig. 661**

**Galvanized Cast Iron Or Cast Bronze — For Tiller Rope**

Diam. Overall Inches	Galv. Each	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Diam. Drum Inches	Length Drum Inches
12	\$9.00	\$19.75	\$21.00	3 $\frac{3}{8}$ x3 $\frac{3}{8}$	2 $\frac{3}{8}$	3
16	11.60	26.25	28.25	4 x4	2 $\frac{3}{8}$	3 $\frac{3}{8}$
20	21.90	38.80	43.00	5 $\frac{1}{8}$ x5 $\frac{1}{8}$	3 $\frac{3}{8}$	4 $\frac{3}{8}$

**SPARE PARTS**

	12 inch		16 inch		20 inch	
	Galv. Each	Bronze Each	Galv. Each	Bronze Each	Galv. Each	Bronze Each
Posts with Back Plates	\$1.80	\$4.20	\$3.00	\$4.20	\$5.20	\$7.50
Rope Drums	.90	.90	1.60	1.60	5.00	5.00
Acorn Nuts	.50	.75	.50	1.35	.50	1.90
*Wheel Only	4.00	5.75	5.75	9.25	8.50	12.50
Grips Only	.30	.30	.35	.35	.35	.35
Bolts only	.30	.55	.40	.65	.40	.65

\*Does not include handles or bolts.

**NOTE — 12 And 16 Inch Sizes Have Die Cast Zamak Rope Drum Same As Used on Fig. 1257.**

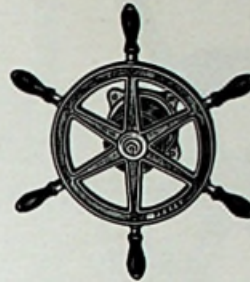


Fig. 661

**CRUISER STEERERS — Figs. 690 & 695**

**Spoke Type — For Tiller Rope**

Fig. 690 with Bronze Chromium Plated Wheel  
Fig. 695 with Tenite Wheel — Black or Red.

An excellent nautical type steerer for small outboard cruisers, pontoon boats, etc. The tenite wheel is polished, has steel core and hub.

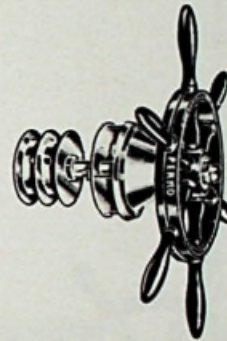


Fig. 690 with Bronze Chromium Plated Wheel  
Fig. 695 with Tenite Wheel

Fig.	Diameter Overall Wheel Inches	Each	Diameter Bulkhead Bracket Inches	Length Overall Inches	Weight Pounds
690	12	\$27.50	4 $\frac{3}{4}$	9 $\frac{1}{2}$	5 $\frac{1}{8}$
695	16	30.00	4 $\frac{3}{4}$	9 $\frac{3}{4}$	5 $\frac{1}{4}$

Specify color of tenite wheel.

**THRU BULKHEAD MOUNTING STEERING WHEEL — Fig. 703**

Ideal for pontoon boats and small cruisers and fabricated in polished Tenite with steel core. Bulkhead mounting bracket is chromium plated Zamak. Shaft is steel and other parts are Zamak die castings with natural finish. Designed for use with tiller rope and available in two attractive colors — black or red. Specify color.

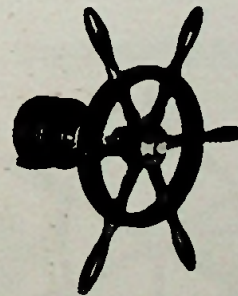


Fig. 703

Each	Overall Wheel Diam. Inches	Bulkhead Bracket Inches	Length Overall Inches	Weight Pounds
\$25.50	16	4 $\frac{3}{4}$ w. x 2 $\frac{3}{8}$ h.	9 $\frac{1}{4}$	4 $\frac{3}{8}$

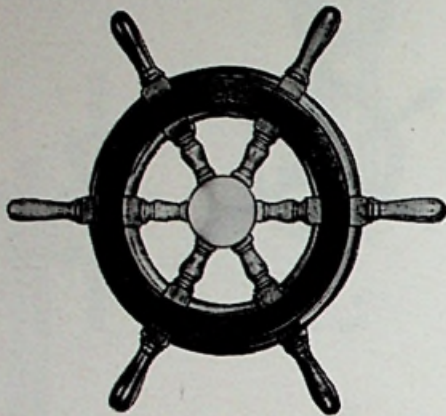


Fig. 657

### NEW IMPROVED MAHOGANY STEERING WHEELS — Fig. 657

#### With Bronze or Zamak Hub — Chromium Plated

These new 6 spoke wheels are beautifully finished with four coats of marine spar varnish, hand rubbed. The mounting nut is hidden behind a chromium plated cap.

These wheels are very strong and well engineered. The spokes are held firmly within the hub by integral spacers and partitions. Packed in individual cartons.

Nominal Size Inches	Actual Diameter Overall Inches	With Zamak Hub Each	With Bronze Hub Each	For Shaft Inches	Weight Pounds
18	17 $\frac{1}{4}$	36.25	41.00	$\frac{7}{8}$	2 $\frac{3}{4}$
20	19 $\frac{1}{4}$	37.75	42.50	$\frac{7}{8}$	3 $\frac{1}{4}$
22	22 $\frac{1}{4}$		49.00	$\frac{7}{8}$	5
24	24 $\frac{3}{8}$		59.50	1	7
28	28		73.00	1	10
30	30		82.00	1	12

Supplied with polished bronze hub to order. Shaft sizes above are stock straight bores, can be supplied with special straight or taper bores within the following limits — 18, 20 or 22 inch sizes,  $\frac{3}{4}$  or  $\frac{7}{8}$  inch bore. Larger sizes from  $\frac{3}{4}$  to 1 $\frac{1}{4}$  inch bore inclusive, to order only. Larger wheels can be supplied in manufacturing quantities, price and other information on application.

### STEERING WHEELS — Fig. 976

#### Cast Bronze — Wood Grips — $\frac{1}{4}$ Inch Keyway



Fig. 976

#### With Short Hub for Steerers Figs. 674 and 675

No.	Diam. Overall Inches	Polished Bronze Each	Chromium Plated Each	For Shaft Inches	Length Hub Inches	Weight Pounds
1	16	\$26.25	\$28.00	$\frac{7}{8}$	1	4
2	20	35.50	37.50	$\frac{7}{8}$	1	6 $\frac{3}{4}$
3	24	50.00	53.00	1	1 $\frac{1}{4}$	10 $\frac{3}{4}$

#### With Long Hub for Steerers Figs. 524 and 678

No.	Diam. Overall Inches	Polished Bronze Each	Chromium Plated Each	For Shaft Inches	Length Hub Inches	Wt. Lbs.
4	16	\$28.50	\$30.25	$\frac{3}{4}$ , $\frac{7}{8}$ or 1	2 $\frac{1}{8}$	4 $\frac{1}{4}$
5	20	39.00	41.00	$\frac{3}{4}$ , $\frac{7}{8}$ or 1	2 $\frac{1}{8}$	7 $\frac{3}{4}$
6	24	52.75	55.75	1	2 $\frac{1}{8}$	11

### STEERING WHEELS — Fig. 914

#### Brass — Wood Grips — Round Spokes — $\frac{1}{4}$ Inch Keyway



Fig. 914

#### With Short Hub for Steerers Figs. 674 and 675

No.	Diam. Overall Inches	Polished Brass Each	Chromium Plated Each	For Shaft Inches	Length Hub Inches	Weight Pounds
1	16	\$26.50	\$32.00	$\frac{7}{8}$	1	4 $\frac{1}{4}$
2	20	31.00	37.50	$\frac{7}{8}$	1	5 $\frac{1}{4}$
3	24	38.00	46.50	1	1 $\frac{1}{4}$	6 $\frac{3}{4}$

#### With Long Hub for Steerers Figs. 524 and 678

No.	Diam. Overall Inches	Polished Brass Each	Chromium Plated Each	For Shaft Inches	Length Hub Inches	Wt. Lbs.
4	16	\$29.50	\$35.75	$\frac{3}{4}$ , $\frac{7}{8}$ or 1	2 $\frac{1}{8}$	4 $\frac{3}{4}$
5	20	36.50	43.00	$\frac{3}{4}$ , $\frac{7}{8}$ or 1	2 $\frac{1}{8}$	6 $\frac{1}{4}$
6	24	44.00	52.50	1	2 $\frac{1}{8}$	7

**CRUISER RUDDERS — Fig. 816**

Cast Manganese Bronze

No.	Blade Size Inches	Each	Blade Thick-ness Inches	Diam. of Stock Inches	Total Length of Stock Inches	*Longer Stocks Per Inch	Weight Pounds
1	12 x 12	\$46.00	1/4	1	12	\$.70	16
2	13 x 13	49.00	1/4	1	12	.70	17

**SPEED BOAT RUDDERS — Fig. 813**

Cast Manganese Bronze

Furnished complete with tiller, collar, nut, rudder port and machined stock. Standard length stock above blade 12 inches.

Complete Each	Rudder Only Each	Blade Size Inches	Diameter Stock Inches	Length Tiller Inches	*Longer Stocks Per Inch	Weight Rudder Only Pounds
\$62.00	\$33.50	9 x 14	1	12	\$.70	12

"Rudder Only" supplied without machined stock. With machined stock, price on application.

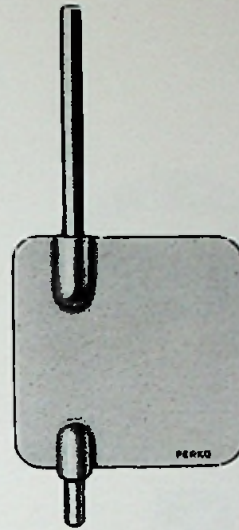


Fig. 816

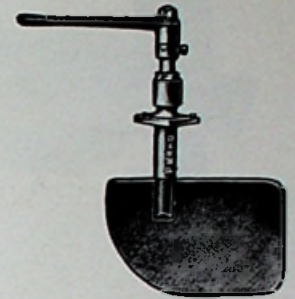


Fig. 813

**HYSPEED RUDDERS — Fig. 818**

Cast Manganese Bronze

Constructed in perfectly balanced proportion. Designed for express cruisers, runabouts, speedboats and all boats not carrying a skag.

No.	Each	Dimension Inches				*Longer Stocks Per Inch	Weight Pounds
		A	B	C	D		
1	\$41.00	9	12	1	16	\$.70	13
2	52.00	10 1/2	14	1 1/8	18	.90	17
3	63.50	12	16	1 1/4	18	1.10	23

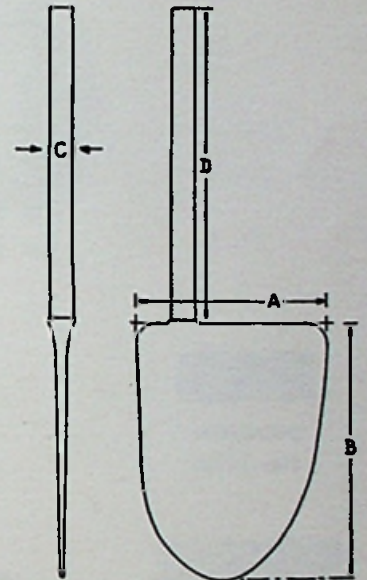
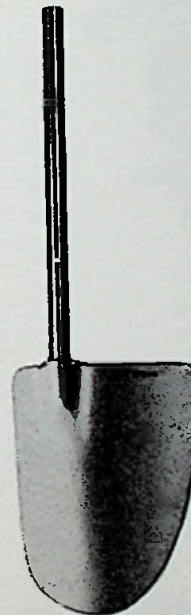


Fig. 818

**BRONZE TILLERS — Fig. 810**

Cast Bronze

For round stock rudders Figs. 813, 816, 818.

No.	Each	Length Inches	For Rudder Stock Inches	Size Keyway Inches	Weight Pounds
1	\$5.75	8	3/4 or 1	5/16 or 1/4	1 1/2
2	6.50	10	1	1/4	2
3	8.25	12	1	1/4	3 1/4

NOTE—Size No. 1, please specify size of rudder stock.



Fig. 810

**QUADRANT TILLERS — Fig. 651**

Galvanized Malleable Iron

Radius Inches	Galv. Each	Max. Diam. Rope Inches	Square Hole Adjustable Inches	Weight Pounds
7	\$ 7.35	3/8	5/16 to 3/4	3
10	17.20	3/8	5/16 to 1	5 1/2



Fig. 815



Fig. 651

**BRONZE RUDDER COLLARS — Fig. 815**

For Diam. Stock Inches	Each	Outside Diameter Inches	Thickness Inches	Weight Ounces
3/4	\$2.00	1 1/8	1 1/16	2 1/4
7/8	2.60	1 1/4	3/8	4
1	2.75	1 3/4	1 1/16	7
1 1/8	2.75	1 3/4	1 1/16	6 1/2
1 1/4	4.00	2 1/8	1 1/16	11
1 3/8	4.20	2 1/2	1 1/16	19
1 1/2	4.75	2 1/2	1 1/16	19

NOTE — Orders for rudders with special length of stock cannot be cancelled. Delivery about 10 days.

\*Longer Stock — In Addition To The Per Inch Charge There Is A Set Up Charge Of \$7.50 Added To List Prices.



Fig. 1088

**RUDDER STUFFING BOXES — Fig. 1088**  
 Cast Bronze — Plain — With Square Flange —  
 Four Bolt Holes

For Diam. Post Inches	Each	Size Flange Inches	Length Bearing Inches	Drilled For Fastening Inches	Weight Pounds
1	\$12.75	3 3/4 x 3 3/4	5 1/4	3/8	3
1 1/8	14.50	3 3/4 x 3 3/4	5 3/8	3/8	3 1/2
1 1/4	16.50	3 3/4 x 3 3/4	6 1/4	3/8	4

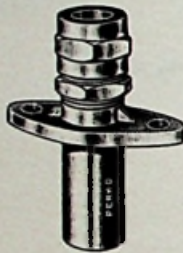


Fig. 1089

**RUDDER STUFFING BOXES — Fig. 1089**  
 Cast Bronze — Plain —  
 With Oval Flange — Two Bolt Holes

Size Inches	Each	Size Flange Inches	Length Bearing Inches	Drilled for Fastening Inches	Weight Pounds
3/4	\$11.50	4 x 2	5 1/8	3/8	3
7/8	12.00	4 1/4 x 2 1/4	5 3/8	3/8	3 1/4
1	12.00	4 1/4 x 2 1/4	5 3/8	3/8	3 1/4
1 1/8	13.75	5 x 2 3/8	5 1/2	1/2	3 3/4
1 1/4	18.25	5 3/4 x 3	6 3/8	1/2	5 1/2
1 3/8	19.25	6 1/4 x 3 1/4	6 3/4	1/2	6 1/2
1 1/2	21.00	6 1/2 x 3 1/2	6 3/4	1/2	6 3/4



GUDGEON  
 Fig. 1070



GUDGEON  
 Fig. 1073

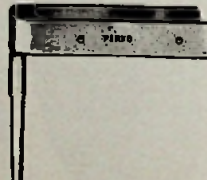


Fig. 1071  
 PINTLE

**RUDDER BRACE FITTINGS — Figs. 1070, 1071 & 1073**  
 Cast Bronze

Machined For Smooth Operation, No Binding.

Size No.	Fig. 1070 Each	Fig. 1071 Each	Fig. 1073 Each	Fig. 1070 Weight Ounces	Fig. 1071 Weight Ounces	Fig. 1073 Weight Ounces
00	\$1.00	\$1.50	\$.75	4	8	3
0	1.20	1.80	.75	5	9	3
1	1.50	2.15	.85	6 1/2	10	4

Size No.	Fig. 1070 Between Straps Inches	Fig. 1071 Between Straps Inches	Fig. 1070 Length Straps Inches	Fig. 1071 Length Straps Inches	Fig. 1073 Length Plate Inches	Fig. 1073 Width Plate Inches
00	5/8	5/8	2	2 7/8	3 1/2	7/8
0	3/4	3/4	2 1/2	3 1/2	3 1/2	7/8
1	7/8	7/8	3	4 1/4	3 3/8	7/8

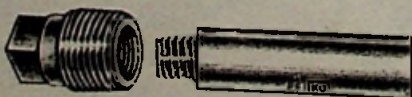


Fig. 254

**ELECTROLYSIS ELIMINATORS — Fig. 254**  
 For Marine Engines — Pure Zinc With  
 Forged Bronze Plug

No.	Complete Each	Spare Zincs Each	Plug I.P.S. Inches	Zinc Dimensions Inches	Weight Ounces
1	\$1.40	\$.65	3/8	3/8 x 1 3/4	2
2	1.75	.80	1/2	3/8 x 2	4 1/2
3	2.20	1.00	3/4	3/4 x 2	7
4	2.40	1.20	3/4	3/4 x 3 1/4	8 1/2



**ELECTROLYSIS COLLARS — Fig. 252**

Streamlined Zinc Die Casting —  
Precision Made And Balanced — For Shaft

The electrolysis collar is the least expensive way of protecting the most expensive parts of any boat against electrolytic action.

It is a precision made collar of pure zinc designed to fit properly on any propeller shaft regardless of shaft R.P.M.

These collars can be easily and almost instantly installed by anyone. They are doweled, so the two halves will always locate themselves.

These collars not only protect vital underwater fittings such as propellers, struts, shafts, strut bolts, but stop pitting of all underwater fastenings.

No.	Each	Shaft Size Inches	Length Overall Inches	Diam. Overall Inches	Weight Pounds
1	\$1.75	3/4	2	2	3/4
2	1.75	7/8	2	2	3/4
3	1.85	1	2 1/4	2 1/4	1 1/8
4	1.85	1 1/8	2 1/4	2 1/4	1 1/8
5	1.85	1 1/4	2 1/4	2 1/4	1 1/8
6	2.40	1 3/8	2 3/4	2 1/2	1 3/8
7	2.40	1 1/2	2 3/4	2 1/2	1 3/8
8	3.20	1 3/4	2 7/8	3 1/4	2 1/2
9	3.20	2	2 7/8	3 1/4	2 1/2
* 9 - A	4.25	2 1/4	1 3/4	5	4 3/4
* 10	4.00	2 1/2	1 3/4	5	4
* 11	4.00	3	1 3/4	5	4

\*These Sizes Are Sand Castings.

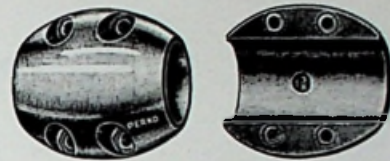


Fig. 252

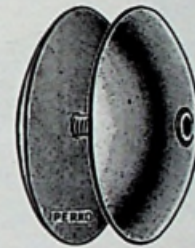


Fig. 407

**ELECTROLYSIS ELIMINATORS — Fig. 407**

For Rudders — Smooth Zinc Die Castings —  
Silicon Bronze Flush Bolt

Per Set as Illustrated	Diameter Inches	Thickness Each Half Inches	Weight Complete Ounces
\$1.80	2 1/8	5/8	16



Fig. 244

**ELECTROLYSIS ELIMINATORS — Fig. 244**

Die Cast — Pure Zinc — For Hull

No.	Each	Length Inches	Width Inches	Depth Inches	Weight
1	\$ .70	3 1/2	1 3/4	5/8	6 1/2 oz.
2	1.30	5 1/4	2 1/8	1	1 1/4 lb.

A necessity if the boat is used in salt water. Streamlined for mounting on the deadwood or planking. Arrests electrolysis of under water brass fittings.

**ELECTROLYSIS ELIMINATORS — Fig. 345**

Die Cast Zinc — For Hull

Each	Length Inches	Width Inches	Thickness Inches	Weight Pounds
\$2.75	6 1/4	2 3/4	5/8	1 7/8

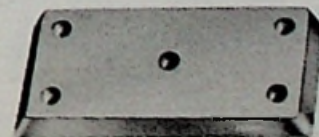
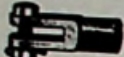


Fig. 345



1. Lever



2. Clevis



3. Lever



4. Elbow Clevis



5. Angle Clevis



6. Bulkhead Bracket



7. Bulkhead Bracket



8. Lower Bearing



9. Shelf Plate



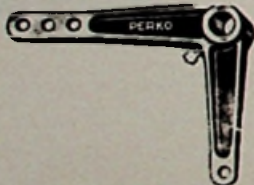
10. Deck Plate



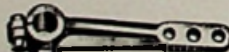
12. Collar



11. Lower Bearing



13. Angle Lever



14-15. Lever

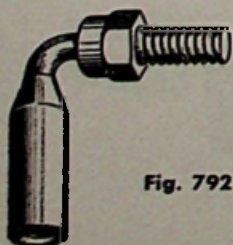


Fig. 792

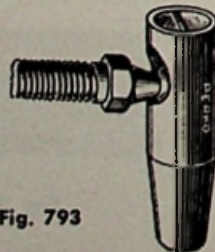


Fig. 793

STEERER AND CONTROL PARTS — Fig. 865

Cast Bronze

No.	Item	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Length Overall Inches	Length C. to C. Inches
1	Lever	\$7.50			8	6
1-A	Lever	9.00			10	†6-7-8
1-B	Lever	9.00			10	†6-7-8
1-C	Lever	9.00			10	†6-7-8
2	Clevis	2.50			2½	
2-A	Clevis	2.50			2½	
2-B	Clevis	3.75			4¼	
2-C	Clevis	3.75			4¼	
3	Lever	6.50			4½	2¾
4	Clevis	6.25			3½	
4-A	Clevis	6.25			3½	
5	Clevis	4.20			3	
5-A	Clevis	4.20			3	
6	Bracket		\$4.75	\$5.75	6¾	
7	Bracket		5.75	6.75	4¼	
7-A	Bracket		5.75	6.75	4¼	
8	Bearing	3.50				
9	Shelf Plate		5.50	6.50	3¾	
10	Deck Plate		3.80	4.75		
10-A	Deck Plate		3.80	4.75		
11	Bearing	3.75				
12	Collar		2.20	2.75		
12-A	Collar		2.20	2.75		
13	Lever	8.25				*6-7-8
14	Lever	7.25				**5-6
15	Lever	8.50				5-6-7

No.	For Diam. Shaft Inches	For Diam. Pin Inches	Diam. Bolt Inches	Tapped For Rod Inches	Tapped For Pipe Inches	Inside Jaw Inches	Width Base Inches	Diam. Flange Inches	Weight Pounds
1	1	½							1¼
1-A	1	½							2½
1-B	1¼	½							2¼
1-C	1¼	½							2¼
2			½	¾		½			½
2-A			½		½	½			½
2-B			½		¾	¾			¾
2-C			½	1		¾			¾
3	1	½	¾			½			1
4			½		¾	½			1
4-A			½	1		½			1
5			½		¾	½			¾
5-A			½	1		½			¾
6	1						1		¾
7	1						1		¾
7-A	1¼						1		¾
8	1							3½	¾
9	1						3¼		1¼
10	1							4	½
10-A	1¼							4	½
11	1							3¾	1
12	1								½
12-A	1¼								½
13	1	½							2
14	¾	½	¾						1
15	1	½	¾						1½

Depth of Bearing — No. 8, ¾ Inches — No. 9, 1 inch — No. 11, 1¼ Inches.  
 \*This Applies To Long Arm — Length Short Arm To Center, 6 Inches.  
 \*\*No. 14 Has Two Pin Holes Instead Of Three Illustrated.  
 †Nos. 1-A, 1-B, 1-C Are Of Heavy Construction Like No. 1, And With Three Pin Holes Like No. 15.

BRASS BALL JOINTS — Fig. 792 & 793

Fig. 793 is adjustable for wear. Spring tension around ball with screw for adjusting.

No.	Fig. 792 Each	Fig. 793 Each	Thread Inches	Length Thread Inches	O. D. Female End Inches	Weight Ounces
1	\$.50	\$.65	¼-20	½	¾	½
2	.66	.80	¾-18	½	¾	1
3	.50	.65	¼-28	½	¾	½

**REVERSE GEAR CONTROLS — Fig. 278**

Cast Bronze

An ideal control for light installations, such as run-about small cruisers, etc. Clevis supplied for 1/2 inch pipe.

Polished Bronze Per Set	Chromium Plated Per Set	Length Overall Inches	Length Handle Inches	Size Base Inches	Weight Pounds
\$17.00	\$21.50	20	16	4 3/4 x 2 1/2	3 1/2

Spare Clevises, See Fig. 865 Part 2-A.

**CLUTCH CONTROLS — Fig. 822**

Cast Bronze For 1 Inch Shaft

Supplied with bulkhead bracket or shelf plate (please specify). Shaft is not included.

With 8" Handle Polished Bronze Per Set	With 8" Handle Chromium Plated Per Set	With 10" Handle Polished Bronze Per Set	With 10" Handle Chromium Plated Per Set	With 12" Handle Polished Bronze Per Set	With 12" Handle Chromium Plated Per Set
\$34.50	\$37.00	\$35.50	\$38.00	\$37.50	\$40.00

**SPARE PARTS**

	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each
Acorn Nut		\$3.10	\$3.50
Shelf Plate, Fig. 865 No. 9		5.50	6.50
Bulkhead Bracket, Fig. 865 No. 6		4.75	5.75
Lever, Fig. 865 No. 3	\$6.50		
Clevis, Fig. 865 No. 4	6.25		
Lower Bearing, Fig. 865 No. 11	3.75		

**CLUTCH CONTROL HANDLES — Fig. 946**

Cast Bronze For 1 Inch Shaft

Used with Fig. 822 clutch control.

Length from Center of Bore Inches	Polished Bronze Each	Chromium Plated Each	Weight Pounds
8	\$ 9.50	\$10.25	1 1/4
10	10.50	11.25	2
12	12.50	13.25	2 1/4

**THROTTLE CONTROLS — Figs. 715 & 716**

Ratchet Type — Cast Bronze

Knob is black bakelite. Length of throw, 3 inches.

\*Rod socket is for 1/4, 5/16, or 3/8 inch rod.

Plain Bronze Each	Chromium Plated Each	Length Plate Inches	Width Plate Inches	Weight Pounds
\$11.80	\$17.00	6	2 3/4	2

\*Supplied for 1/4 inch rod unless otherwise specified.

**SPARK AND THROTTLE CONTROL — Fig. 331**

Ratchet Type — For Control Rod — Cast Bronze

Length of throw is 3 inches.

\*Rod sockets are for 1/4, 5/16, or 3/8 inch rod.

Polished Bronze Each	Chromium Plated Each	Length Plate Inches	Width Plate Inches	Weight Pounds
\$14.00	\$16.00	6	2 1/2	2 1/4

\*Supplied for 5/16 inch rod unless otherwise specified.



Fig. 278

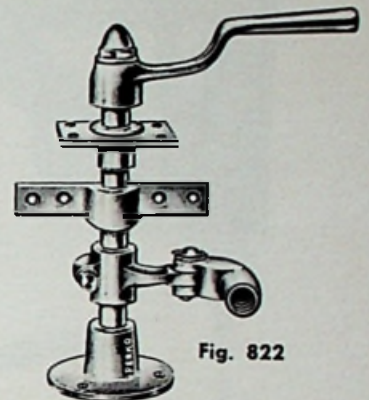


Fig. 822

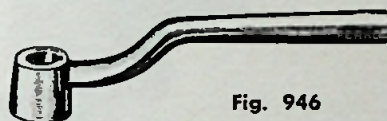


Fig. 946



Fig. 715  
For  
Bowden Wire

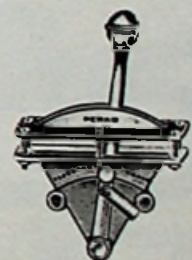


Fig. 716  
For  
Control Rod

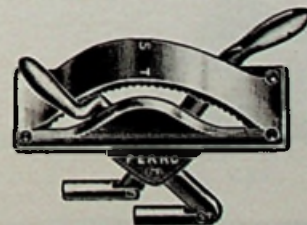


Fig. 331

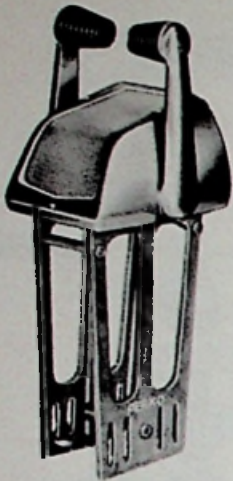


Fig. 710



Fig. 711

**NEW PERKOMATIC CONTROLS — Fig. 710**  
**For Throttle and Clutch — All Cast Bronze —**  
**Chromium Plated**

Convertible by dealer or owner to operation of twin throttles or twin clutches in a few minutes without the necessity of purchasing or using additional parts.

Entire cover is quickly removable for adjustments in length of throw, tension, etc. after installation. Cable brackets are cast bronze, very strong and rigid. An integral part of mounting frame. No magnetic metal anywhere in these controls. Detents for clutch controls are of new design, positive and informative to operator, tension is adjustable. For use with Fig. 699 control cable.

Each	Length Cover Inches	Width Cover Inches	Height Cover Inches	Length Cable Brackets Inches	Weight Pounds
\$48.00	5½	4	3½	7¼	7¼

**"DYNAFORM" CONTROLS — Fig. 711**  
**For Throttle And Clutch — Cast Bronze —**  
**Chromium Plated Face Plate**

No. 1 C — For Single Clutch — No. 1 T — For Single Throttle —  
 No. 2 CT — For Clutch And Throttle — No. 2 C For Double Clutch — No. 2 T — For Double Throttle

A good practical control of simple design and construction. Its operation is smooth and positive, especially when used with our Fig. 720 control cable. The lever handles are polished black bakelite. The clutch lever has neutral detent and tension of both levers is adjustable.

No.	Each	Length Face Plate Inches	Width Face Plate Inches	Weight Pounds
1	\$11.00	5¾	1½	1¾
2	23.50	5¾	3	3½

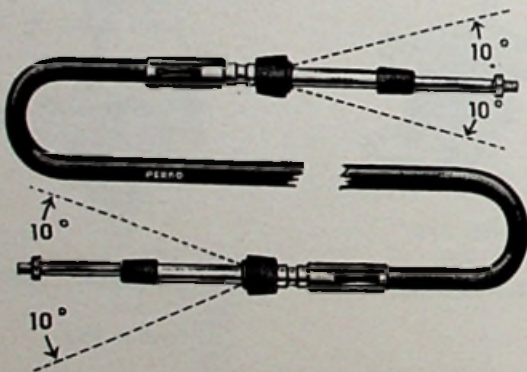


Fig. 699

**CONTROL CABLES — Fig. 699**  
**For Fig. 710 Controls — Black Plastic Conduit —**  
**Thread 10-32**

Length Feet	Each	Length Feet	Each
8	\$10.50	16	\$14.75
10	11.50	18	16.00
12	12.50	20	17.50
14	13.50		

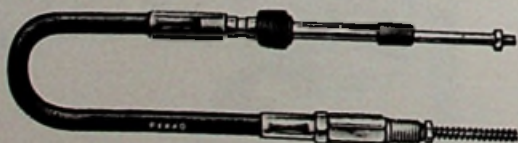


Fig. 720

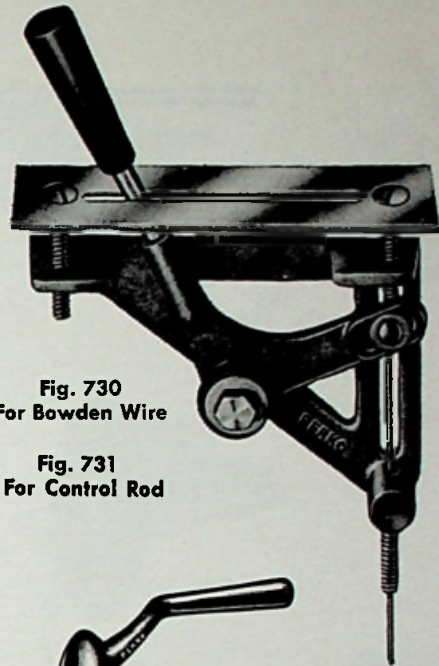
**CONTROL CABLES — Fig. 720**  
**For Fig. 711 Control — Black Plastic Conduit —**  
**Thread 10-32**

Length Feet	Each	Length Feet	Each
8	\$13.50	16	\$21.50
10	15.50	18	23.50
12	17.50	20	25.50
14	19.50		

**IMPROVED THROTTLE CONTROLS — Figs. 730 & 731**

Key feature of these controls is ultra smooth operation. This is the result of balanced design and precision manufacture of all working parts. The attractive face plate and throttle handle of both controls is made of lustrous chromium plated brass. Throttle grip is polished black Bakelite. The unexposed parts are heavy bronze castings for lasting, dependable service. Tension is easily adjusted with a tightening nut. Both controls may be mounted either vertically or horizontally.

Each	Length Face Plate Inches	Width Face Plate Inches	Length Throw Inches	Weight Pounds
\$12.00	5¾	1½	2⅛	1¾



**Fig. 730**  
For Bowden Wire

**Fig. 731**  
For Control Rod

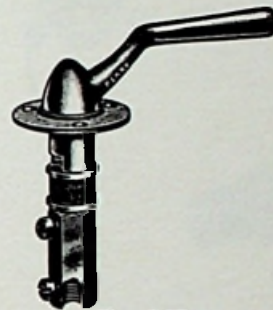
**“SEA-WAY” THROTTLE CONTROLS — Fig. 847**

**Ratchet Type — For ¾ Inch Rod — Cast Bronze — Chromium Plated**

A powerful control with a man sized handle. For mounting on top of wheel box or shelf.

A spring type ratchet inside handle hub holds control at desired position.

Chromium Plated Each	Length Handle Inches	For Diam. Rod Inches	Diam. Flange Inches	Weight Pounds
\$11.50	4½	¾	2⅝	1



**Fig. 847**

**“SEA-PRINCE” THROTTLE CONTROLS — Fig. 848**

**Ratchet Type — For Control Rod — Cast Bronze — Chromium Plated**

Same design and ability as the Sea-Way Control above but fitted with lever arm and socket for mounting on side of wheel box or bulkhead.

Length of throw is 5 inches.

\*Rod socket is for ¼, ⅜ or ½ inch rod.

Chromium Plated Each	Length Handle Inches	Length Lever Arm Inches	Diam. Flange Inches	Weight Pounds
\$12.50	4½	3½	2⅝	1



**Fig. 848**

\*Supplied for 5/16 inch rod unless otherwise specified.

**CONTROL CRANKS — Figs. 636 & 637**

**Cast Bronze — For Control Rod**

*For Rod Inches	Single Complete Each	Double Complete Each	Cranks Only Each	Brackets Only Each
¼	\$2.35	\$3.60	\$.60	\$.85
⅜	2.35	3.60	.60	.85
½	2.50	3.90	.60	.85

Length Arms Inches	Height Overall Inches	Size Base Inches	Weight Single Ounces	Weight Double Ounces
2	2⅝	2¼x⅝	5	7

\*Supplied for ¼ inch rod unless otherwise specified.



**Side Type**  
**Fig. 636**



**Upright Type**  
**Fig. 637**

**CONTROL LEVERS — Fig. 354**

**Plain Brass**

No.	Each	Length Overall Inches	For Shaft Inches	For Clevis Pin Inches	Weight Ounces
1	\$.30	2⅝	⅜	½	1¼
2	.40	3¼	⅜	¾	1½



**Fig. 354**

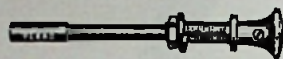


Fig. 692



Fig. 353



Fig. 352



Fig. 93

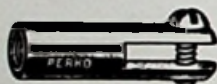


Fig. 328

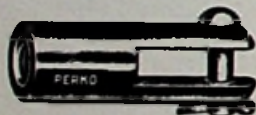


Fig. 295



Fig. 298

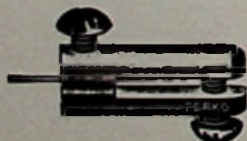


Fig. 679

**CONTROL WIRE HANDLES — Fig. 692**

For Casing With Right or Left Hand Lay —  
All Brass — Chromium Plated

Control wire and casing can be easily attached. No soldering necessary, wire held by set screw in knob. Casing threaded into tube. For use on a dash or bulkhead up to 2 inches thick.

Each	Length Overall Closed Inches	Outside Diam. Stem Inches	Weight Ounces
\$2.85	4 7/8	3/8	2

Left hand thread supplied unless otherwise specified.

**BOWDEN WIRE AND CASING — Fig. 353**

Brass — 1/4 Inch O.D. Casing — Left Hand Lay —  
Wire Diameter .072 Inches

50 FOOT LENGTHS ONLY

Casing only, per length \$19.75

Wire only, per length \$2.10

**BOWDEN CASING CLAMP — Fig. 352**

Brass — Swivel Type — Plain

Will hold control casing firmly while swivel feature allows smooth sliding of control wire in casing at any angle.

Each	Size Base Inches	Weight Ounces
\$ .85	2 1/4 x 1	3

**BRONZE UNIVERSAL JOINTS — Fig. 93**

Cast Bronze

No.	Bored Each	Tapped Each	Bored for Rod Inches	Tapped for Pipe Inches	Extreme Length Inches	Weight Pounds
1	\$ 8.00	\$ 8.00	3/4	1/2	4 1/2	1
2	10.50	10.50	1	3/4	6	2 1/4

Specify if for rod or pipe.

**CONTROL ROD SOCKETS — Figs. 328, 295 & 298**

Plain Brass

Standard Fig. 328						
No.	Each	Tapped For Rod Inches	Outside Diam. Inches	Length Overall Inches	Between Jaws Inches	Length Jaws Inches
1	\$.60	1/4-20	3/8	1 5/8	3/8	3/8
2	.70	3/4-18	3/4	1 3/4	3/8	3/8
3	.75	3/4-16	1/2	1 5/8	1/4	3/4
Heavy Duty Fig. 295						
4	\$.75	1/4-20	1/2	1 3/8	1/4	3/4
4-A	.75	1/4-28	1/2	1 3/4	1/4	3/4
5	.75	3/4-18	3/4	1 3/4	1/4	3/4
6	.90	3/4-16	1/2	1 3/8	1/4	1 1/8
6-A	.90	10-32	1/2	1 3/4	1/4	3/4
Heavy Duty Fig. 298						
7	\$.70	1/4-20	3/8	1 3/8	1/4	3/8
8	.75	3/4-18	3/4	1 3/8	1/4	3/8
9	.70	1/4-28	3/8	1 3/8	1/4	3/8

Length jaws measured to center of pin

**CONTROL WIRE SOCKETS — Fig. 679**

Plain Brass

Complete with brass set screws.

No.	Each	Length Inches	Diameter Inches	Between Jaws Inches	Length Jaws Inches	Weight Ounces
1	\$.55	1	3/8	1/8	1/2	1/2
2	.70	1 1/8	1/2	1/4	1 1/8	3/4

Length jaws measured to center of screw.

**GY-A-LINER ENGINE ALIGNERS – Fig. 1097**

For use under motors having only single corner bed bolts. Can be used under intermediate propeller shaft bearings.

Each	Size Base Inches	Minimum Height Inches	Maximum Height Inches	For Engine Bolt Inches	Weight Pounds
\$2.50	2½x2½	¾	1¾	½	¾

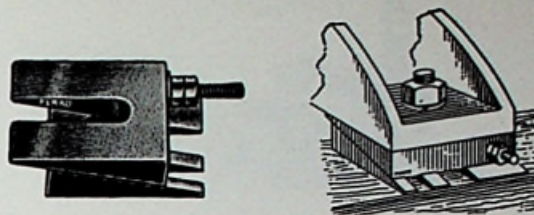


Fig. 1097

**FLAT BEARINGS – Fig. 809**

CAST BRONZE—NOT BABBITED

For Shaft Size Inches	Each	Dimensions of Base Inches	C. to C. Bolt Holes Inches	Diam. Bolt Holes Inches	Weight Pounds
¾	5.00	4½x2	3¾	¾	1½
1	5.00	4½x2	3¾	¾	1¾

**BRASS GREASE CUPS – Fig. 961**

No.	Each	Height Closed Inches	Outside Diam. Inches	Pipe Thread Inches	Capacity Ounces
1	\$ .60	1¾	¾	½	¼
2	.90	1¾	1¾	¾	½
3	1.20	2	1¾	¾	¾



Fig. 809

**IRON SHAFT COUPLINGS – Fig. 327**

Cast Iron

No.	Each	For Diameter Shaft Inches	Diam. Flange Inches	Length Overall Inches	Wt. Lbs.
0	\$ 6.95	¾, ¾	3	2¾	2½
1	8.70	¾, 7/8, 1, 1 1/8	4	3½	5½
2	11.00	1, 1 1/8, 1 1/4, 1 3/8, 1 1/2	4½	4 1/8	8

For divided sizes such as 1x1 1/8, add \$1.80 each. For ½ coupling add \$1.20 to half of above prices. No bolts furnished.

Specify Male or Female Half

**SIZE OF KEYWAY IN SHAFT COUPLINGS**

Size Shaft Inches	Keyway Inches
¾-¾	¾
7/8-1-1 1/8	¾
1 1/4	¾
1 3/8-1 1/2	¾



Fig. 961

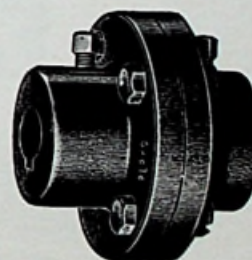


Fig. 327

**BRONZE SHAFT COUPLINGS – Fig. 389**

Cast Bronze

Set Screws, Bolts and Washers are all Bronze.

Each	For Diameter Shaft Inches	Diam. Flange Inches	Length Overall Inches	Weight Pounds
\$9.50	¾, ¾, 1	2¾	2¾	1½

For divided sizes such as ¾ inch one end, 1 inch the other end, add \$ .50 each. Specify Male or Female Half

¾ inch size has ¾ inch keyway. 7/8 and 1 inch sizes have ¾ inch keyway.

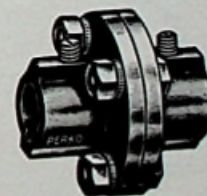


Fig. 389

**SLEEVE TYPE SHAFT COUPLINGS – Fig. 378**

Cast Bronze

No.	Each	For Diam. Shaft Inches	Length Inches	Keyway Inches	Weight Pounds
1	\$5.50	¾	3	¾	¾

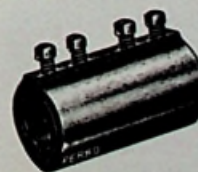


Fig. 378



Fig. 320

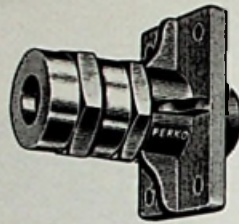


Fig. 819

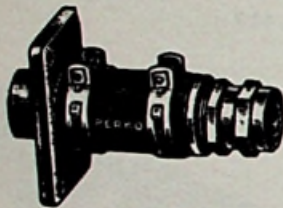


Fig. 734



Fig. 79



Fig. 73



Fig. 214 for Pipe  
Fig. 738 for Tubing

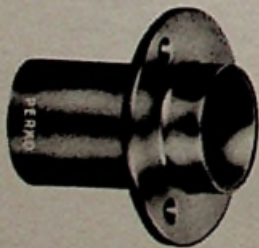


Fig. 755

STUFFING BOXES — Fig. 320

Cast Bronze — Regular

Shaft Size Inches	Each	Size Flange Inches	For Diam. Bolt Inches	C. to C. Bolt Holes Inches	Length Bearing Inches	Weight Pounds
3/8	\$ 5.50	3 3/8 x 1 3/8	3/16	2 3/8	2 1/8	1 1/8
1/2	5.75	4 x 1 3/8	3/16	2 3/8	2 1/8	1 1/8
5/8	6.50	4 1/4 x 1 3/8	3/16	3	2 3/8	1 1/2
1	7.75	4 1/2 x 2 1/8	3/16	3	2 3/8	1 3/4
1 1/8	10.00	4 3/4 x 2 1/8	1/2	3 3/8	2 3/8	2 1/4
1 1/4	12.25	5 1/4 x 2 3/8	1/2	4 1/8	2 3/8	3
1 3/8	15.00	6 1/4 x 3	1/2	4 3/4	3	3 3/4
1 1/2	16.25	6 1/2 x 3	1/2	5	3	3 1/2
1 3/4	27.00	7 x 3 3/4	3/4	5 1/2	4	5 3/4

EXTRA HEAVY STUFFING BOXES — Fig. 819

Rectangular Flange — Cast Bronze

Shaft Size Inches	Each	Size Flange Inches	For Diam. Bolt Inches	C. to C. Bolt Holes Inches	Length Bearing Inches	Weight Pounds
1	\$17.00	5 x 3	1/2	3 3/4 x 1 3/4	4	5 1/2
1 1/4	18.50	5 1/2 x 3 3/8	1/2	4 1/4 x 2 1/4	4 1/4	6 1/2
1 1/2	23.65	5 3/4 x 3 3/8	1/2	4 3/4 x 2 1/4	4 1/4	6 1/2
1 3/4	28.60	6 x 4	1/2	4 3/4 x 2 1/2	5	9
1 1/2	33.50	6 x 4 3/8	1/2	4 1/2 x 3	5 1/2	10
1 3/4	42.90	6 1/2 x 4 1/2	3/4	5 1/4 x 3 3/4	7	13 1/2
2	52.80	7 3/4 x 5	3/4	5 3/4 x 3 3/4	7 3/4	15 1/2

SELF ALIGNING STUFFING BOXES — Fig. 734

Cast Bronze — Rectangular Flange

No.	Each	For Shaft Inches	Size Flange Inches	Length from Flange to End of Box Inches	Weight Pounds
1	\$13.25	3/4	5 x 3 1/4	6 1/2	5
2	14.50	3/4	5 x 3 1/4	6 1/2	5
3	15.00	1	5 x 3 1/4	6 3/4	5
4	18.50	1 1/8	6 x 4 1/4	7 3/4	9
5	20.00	1 1/4	6 x 4 1/4	7 3/4	9 1/2
6	28.75	1 3/8	7 x 4 1/2	8	12 1/2
7	30.00	1 1/2	7 x 4 1/2	8 1/4	13

Note: Length Bearing does not include packing nut or space for packing

PACKING NUTS AND LOCKNUTS — Figs. 73 & 79

For Stuffing Boxes — Cast Bronze

Shaft Size Inches	For Fig. 320		For Fig. 819	
	Fig. 73 Each	Fig. 79 Each	Fig. 73 Each	Fig. 79 Each
3/8	\$1.80	\$ .70		
1/2	1.85	.75		
5/8	2.00	.80		
1	2.10	1.10	\$4.25	\$1.80
1 1/8	2.40	1.20	4.60	1.85
1 1/4	3.08	1.30	5.25	2.00
1 1/2	3.40	1.45	5.90	2.15
1 3/4	3.85	1.50	6.75	2.15
1 1/2	4.65	2.00	8.35	2.75
2			9.25	3.00

EXHAUST FLANGES — Figs. 214 & 738

Cast Bronze

Fig. 214 for Pipe

Size Inches	Plain Each	Chromium Plated Each	Inside Diameter Inches	Outside Diameter Inches	Weight Pounds
1 1/2	\$1.50	\$2.00	1 7/8	3 1/4	1/8
2	1.75	2.50	2 1/2	4	1/5
2 1/2	2.25	3.00	2 3/4	4 1/2	1/2
3	2.75	3.50	3 1/2	5 1/2	3/4
3 1/2	2.85	3.75	4 1/2	6	1

Fig. 738 for Tubing

Size Inches	Plain Each	Chromium Plated Each	Inside Diameter Inches	Outside Diameter Inches	Weight Pounds
2	\$1.75	\$2.50	2 1/4	4	1/2
2 1/2	2.25	3.00	2 3/4	4 1/2	1/2
3	2.75	3.50	3 3/4	5	3/4
3 1/2	2.85	3.75	3 3/4	5 1/2	3/4
4	2.85	3.75	4 1/4	6	3/4

NEW EXHAUST FITTING — Fig. 755

With "No Stain" Collar — Cast Bronze — For Hose

A desirable exhaust fitting for small engines. The outside diameter of the neck is for 1 1/8 inch hose which fits over 1 1/2 inch pipe. The collar extends 3/8 inches beyond the transom. This helps to prevent stain from exhaust drip.

Plain Each	Chromium Plated Each	Length Overall Inches	Inside Diameter Inches	Diameter Flange Inches	Weight Pounds
\$3.35	\$5.00	3 1/4	1 1/4	3 1/2	1 1/8



**SELF ALIGNING SHAFT LOGS — Fig. 671**

Cast Bronze

**LIGHTWEIGHT TYPE**

No.	Each	Size Shaft Inches	Size Base Inches	Length Overall Inches	Degrees of Angle	Wt. Lbs.
0-L	\$11.75	3/8	9 3/8 x 2 1/2	15	12	3 1/2
1-L	11.75	3/4	9 3/8 x 2 1/2	15	12	3 1/2
3-L	13.50	1	9 1/2 x 2 3/8	15	12	3 3/4

**HEAVYWEIGHT TYPE**

No.	Each	Size Shaft Inches	Size Base Inches	Length Overall Inches	Degrees of Angle	Weight Pounds
1-H	\$ 16.00	3/4	12 x 3 1/2	18	13	5 1/4
2-H	16.00	7/8	12 x 3 1/2	18	13	5 1/4
3-H	16.00	1	12 x 3 1/2	18	13	5 1/4
4	32.00	1 1/8	17 x 4 1/4	23 1/2	10	10 1/4
5	32.00	1 1/4	17 x 4 1/4	23 1/2	10	10 1/4
6	40.00	1 3/8	19 x 5	28	10	17 3/4
7	40.00	1 1/2	19 x 5	28	10	17 3/4

**NOTE**—Sizes Nos. 0-1-2-3 in both the lightweight and heavyweight types are drilled for screws. Balance of sizes are spotted but not drilled.



Fig. 671

**SELF ALIGNING SHAFT LOGS — Fig. 589**

Cast Bronze — Allows Installation of Engine Well Aft

Base is drilled for bolts or screws.

No.	Each	For Size Shaft Inches	Size Base Inches	Length Overall Inches	Degrees of Angle	Wt. Lbs.
0	\$12.50	3/8 or 3/4	9 x 4	10	13	3 1/2
1	16.25	3/4	11 x 5	12 1/4	13	6
2	16.25	7/8	11 x 5	12 1/4	13	6
3	16.25	1	11 x 5	12 1/4	13	6
4	28.50	1 1/8	13 x 5 1/2	14 1/2	13	10
5	28.50	1 1/4	13 x 5 1/2	14 1/2	13	10

Stuffing Box only for above. See Fig. 672 heavy pattern such as No. 1-H, 2-H, etc.



Fig. 589

**STUFFING BOX, EXTRA HOSE AND CLAMPS —**

Figs. 672, 673 and 1092 For Self Aligning Shaft Log

For Log No.	Size Shaft Inches	Stuffing Box Each	Hose Each	Hose Clamps Per Pair	I. D. Hose Inches	O. D. Hose Inches	Length Hose Inches
0-L	3/8	\$ 5.00	\$ .90	\$.80	1 1/4	1 3/4	3 1/4
1-L	3/4	5.00	.90	.80	1 1/4	1 3/4	3 1/4
3-L	1	5.40	1.05	.80	1 1/2	1 7/8	3 1/2
1-H	3/4	6.00	1.20	1.00	1 3/4	2 1/4	4
2-H	7/8	6.00	1.20	1.00	1 3/4	2 1/4	4
3-H	1	6.00	1.20	1.00	1 3/4	2 1/4	4
4	1 1/8	10.00	2.40	1.40	2 3/8	3 1/8	5
5	1 1/4	10.00	2.40	1.40	2 3/8	3 1/8	5
6	1 3/8	15.00	3.10	1.65	2 3/4	3 1/2	5
7	1 1/2	15.00	3.10	1.65	2 3/4	3 1/2	5

Hose for Nos. 0-1-2-3 is 4 ply. Hose for Nos. 4-5 is 6 ply. Hose for Nos. 6-7 is 8 ply.



Fig. 672



Fig. 673



Fig. 1092

**SAFETY SHAFT COLLARS — Fig. 787**

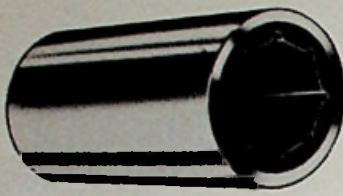
Milled Bar Steel — Machined

Size Shaft Inches	Each	Outside Diameter Inches	Width Inches	Weight Ounces
3/8	\$ .50	1 1/32	1/2	1 1/2
3/4	.55	1 1/4	3/4	2
7/8	.65	1 1/2	3/4	3
1	.90	1 3/4	3/4	3 1/2
1 1/8	1.25	1 3/4	3/4	4
1 1/4	1.45	2	1 1/8	5 1/2
1 3/8	1.30	2 1/8	3/4	6 1/2
1 1/2	1.70	2 1/4	3/4	7
1 3/4	2.90	2 3/4	3/4	13



Fig. 787

## B. F. GOODRICH CUTLESS RUBBER BEARINGS



Standard Cutless Bearing with bronze shell

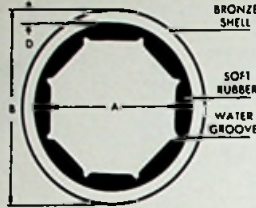


Fig. 1021

Often Outlast Hard Surface Bearings 15 Times

- Efficiently lubricated by water.
- Resist sand and grit.
- Resist common oil and grease.
- No scoring of shaft.
- Reduce vibration and noise.
- Least possible friction.
- Easy to install.

### STANDARD BEARINGS

### STOCK SIZES — TABLE OF DIMENSIONS, WEIGHTS AND PRICES

Code	A Shaft Dia.	B Outside Dia.	Stand-ard Length	D Metal Wall	Shipping Wt. Lbs.	Price Each	Special Length Price per Lin. In. *	Code	A Shaft Dia.	B Outside Dia.	Stand-ard Length	D Metal Wall	Shipping Wt. Lbs.	Price Each	Special Length Price per Lin. In. *
KALE.....	3/4"	1 1/4"	3 "	1/8"	3/4	\$6.70	\$3.47	NATIVE.....	2 3/8"	3 3/8"	11 "	1/8"	5 3/4	\$38.50	\$4.80
KATY.....	1/2"	1 3/8"	3 1/2"	1/8"	3/4	7.80	3.59	NATURE.....	2 3/4"	3 3/4"	11 "	1/8"	6	38.50	4.80
KATZ.....	3/4"	1 1/2"	3 1/2"	1/8"	1	7.80	3.59	NAVAL.....	2 1/2"	3 3/4"	11 1/2"	1/8"	6 3/4	39.90	4.86
KAVA.....	1 "	1 1/2"	4 "	3/4"	1/2	9.00	.....*	NAVY.....	3 "	3 3/4"	12 "	1/8"	8	42.40	4.90
KAYAK.....	1 "	1 3/8"	4 "	1/8"	1	9.00	3.67	NECK.....	3 "	4 "	12 "	1/8"	8 1/2	42.40	4.90
KEFER.....	1 "	1 3/8"	4 "	1/8"	1 1/4	9.00	3.67	NECKING....	3 1/8"	4 1/4"	12 1/2"	1/8"	8 1/2	45.60	4.98
KEEPER.....	1 "	2 "	4 "	1/8"	1 1/2	9.00	3.67	NECTAR.....	3 1/4"	4 "	13 "	1/8"	9 1/4	49.00	5.06
KERSEY.....	1 1/8"	1 3/8"	4 1/2"	1/8"	1 1/4	10.80	3.71	NEGATIVE...	3 1/4"	4 1/4"	13 "	1/8"	10	49.00	5.06
KERNY.....	1 1/8"	1 3/4"	4 1/2"	1/8"	1 1/2	10.80	3.71	NEGLECT....	3 3/8"	4 1/2"	13 1/2"	1/8"	10 3/4	52.90	5.14
KID.....	1 1/8"	2 "	4 1/2"	1/8"	1 3/4	10.80	3.71	NEGRO.....	3 1/2"	4 1/4"	14 "	1/8"	10	56.50	5.27
KIBBLE.....	1 1/8"	1 1/2"	5 "	3/4"	1 1/2	12.40	.....*	NEIGHBOR...	3 1/2"	4 1/2"	14 "	1/8"	11 1/2	56.50	5.27
KIDNAP.....	1 1/8"	1 3/4"	5 "	1/8"	1 1/2	12.40	3.78	NEPHEW....	3 5/8"	4 1/2"	14 1/2"	1/8"	12 3/4	61.70	5.92
KIANO.....	1 1/8"	2 "	5 "	1/8"	1 3/4	12.40	3.78	NEPTUNE....	3 3/4"	4 3/8"	15 "	1/8"	10 1/2	68.50	7.20
KIDNEY.....	1 1/8"	2 1/8"	5 "	1/8"	2	12.40	3.78	NERVE.....	3 3/4"	5 "	15 "	3/8"	17 3/4	68.50	7.20
KIN.....	1 3/8"	1 3/8"	5 1/2"	1/8"	2	13.70	3.81	NEST.....	3 3/4"	5 1/4"	15 "	3/8"	18	68.50	7.20
KINAH.....	1 3/8"	2 "	5 1/2"	1/8"	2 1/4	13.70	3.81	NEWELL.....	3 3/8"	5 1/4"	15 1/2"	3/8"	20	73.20	7.35
KINCY.....	1 3/8"	2 1/8"	5 1/2"	1/8"	2 1/4	13.70	3.81	NIBBLE.....	4 "	5 "	16 "	3/8"	28	78.70	7.65
KINDLE.....	1 3/8"	2 3/8"	5 1/2"	1/8"	2 1/2	13.70	3.81	NIBBLED....	4 "	5 1/4"	16 "	3/8"	29 1/2	78.70	7.65
KINCOB.....	1 3/8"	2 3/8"	4 "	1/8"	2 1/4	13.50	3.88	NIBBLING...	4 1/8"	5 1/4"	16 1/2"	3/8"	31	82.40	8.04
KINDLING...	1 3/8"	2 1/2"	5 3/4"	1/8"	2 1/2	14.80	3.88	NICETY.....	4 1/4"	5 1/2"	17 "	3/8"	29 1/2	92.00	8.20
KINDRED...	1 3/8"	2 3/8"	6 "	1/8"	2 3/2	15.10	3.88	NICHE.....	4 3/8"	5 3/4"	17 1/2"	3/8"	33 1/2	101.30	8.39
KINE.....	1 1/2"	2 "	6 "	1/8"	2	15.80	3.92	NICK.....	4 3/8"	5 3/8"	18 "	3/8"	33 3/4	106.30	8.47
KINGDOM...	1 1/2"	2 3/8"	6 "	1/8"	2 1/2	15.80	3.92	NIGGARD....	4 1/2"	5 3/4"	18 "	3/8"	35	106.30	8.47
KINKY.....	1 3/8"	2 3/8"	6 1/2"	1/8"	2 1/4	18.40	3.98	NIGGARDLY.	4 3/8"	6 1/8"	18 1/2"	1/4"	39	115.80	9.96
KINSHIP....	1 3/8"	2 3/8"	6 1/2"	1/8"	3	18.40	3.98	NIGHLESS...	4 3/4"	6 1/4"	19 "	1/4"	43 3/4	124.80	10.04
KIP.....	1 3/8"	2 3/8"	7 "	1/8"	2 3/4	20.80	4.02	NIGHTLY...	4 3/4"	6 1/8"	19 3/8"	1/4"	43	132.80	10.18
KITE.....	1 3/8"	2 3/8"	7 "	1/8"	3 1/4	20.80	4.02	NIGHT.....	5 "	6 1/8"	20 "	1/4"	45	142.40	10.63
KITEM.....	1 3/8"	2 3/8"	7 1/2"	1/8"	3 1/4	22.90	4.06	NOBLE.....	5 "	6 1/2"	20 "	1/4"	50 1/4	142.40	10.63
KITEZ.....	1 3/8"	2 3/4"	7 1/2"	1/8"	4	22.90	4.06	NOBLISH...	5 1/4"	6 3/4"	21 "	1/4"	70	165.80	11.84
KITH.....	2 "	2 3/8"	8 "	1/8"	3 1/2	24.60	4.10	NOBODY....	5 1/4"	7 "	21 "	1/4"	80 3/4	165.80	11.84
KNAVE.....	2 "	3 "	8 "	1/8"	4 1/2	24.60	4.10	NOBOB.....	5 3/8"	6 3/4"	21 1/2"	1/4"	65	169.60	12.14
KNIT.....	2 1/4"	2 3/4"	8 1/2"	1/8"	4 1/2	26.50	4.10	NOBUR.....	5 3/8"	7 "	21 1/2"	1/4"	75	169.60	12.20
KNOB.....	2 1/4"	3 1/8"	8 1/2"	1/8"	4 3/4	26.50	4.10	NOMAD.....	5 1/2"	7 "	22 "	1/4"	65	175.40	12.29
KNOLL.....	2 1/4"	2 3/4"	9 "	1/8"	4 1/2	28.60	4.16	NOMAR.....	5 3/4"	7 "	22 1/2"	1/4"	70	181.80	12.43
KORAN.....	2 1/4"	3 1/4"	9 "	1/8"	5	28.60	4.16	NONAGE....	5 3/4"	7 "	23 "	1/4"	62 3/4	189.70	12.51
KUMISS.....	2 1/4"	3 3/8"	9 "	1/8"	6	28.60	4.16	NONARY....	5 3/8"	7 1/2"	24 "	1/4"	68	197.20	12.55
NABAS.....	2 3/8"	3 3/8"	9 1/2"	1/8"	6	30.80	4.20	NOOK.....	6 "	7 1/2"	24 "	1/4"	70	213.40	12.61
NAKED.....	2 3/8"	3 1/4"	10 "	1/8"	5	31.80	4.29								
NATION.....	2 1/2"	3 3/8"	10 "	1/8"	6	31.80	4.29								
NATISM.....	2 3/4"	3 3/8"	10 1/2"	1/8"	5 3/4	34.70	4.76								

\*To obtain price of bearing length other than standard, multiply length in inches by price per lineal inch given in this column.  
 \*Available standard length only.

**ADJUSTABLE STRUTS — Fig. 1019**

For Cutless Rubber Bearing — Cast Bronze

Size Shaft Inches	Width Flange Inches	Length Flange Inches	Length Bearing Inches	Weight Pounds
3/8	3	5 1/2	3	6 3/4
7/8	3	5 1/2	3 1/2	6 3/4
1	3	5 1/2	4	6 3/4
1 1/8	3	5 1/2	4 1/2	6 3/4
1 1/4	3 1/2	6 1/2	5	12
1 3/8	3 1/2	6 1/2	5 1/2	12
1 1/2	3 1/2	6 1/2	6	12

PRICES BELOW DO NOT INCLUDE RUBBER BEARING

For bearings see Fig. 1021.

Use bearings having the smallest outside diameter listed, except 1 inch size which is bored for 1 1/2 inch O.D. bearing.

Lgh. Drop. In.	Size Shaft Inches							
	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	
5	18.50	20.00	22.00	22.00				
6	19.25	21.00	23.00	23.00	31.00	31.50	35.50	
7	20.50	22.50	25.00	25.00	33.00	34.00	37.25	
8	21.50	23.50	25.50	25.50	35.00	36.50	39.00	
9			27.50	27.50	37.00	40.00	41.50	
10			28.50	28.50	38.50	41.00	43.50	
11					51.00	51.00	51.00	
12					53.00	53.00	53.00	

Specify size of shaft and length of drop, when ordering.  
If desired, complete with rubber bearing, please specify.

**UNIVERSAL STRUTS — Fig. 1055**

Cast Manganese Bronze — For Cutless Rubber Bearings

These struts can be made any length shorter than standard by sliding the shank up through the base to the required length. The necessary angle for the shaft is also obtained in the same way. The shank is then drilled for the two bolts and the excess metal above the mounting base is cut off.

Two Everdur Hex Head Bolts are furnished. Extreme drop to center of shaft is 7 inches. Base drilled for 5/16 inch bolts. Dimensions of base 5 3/8 x 3 1/8 inches.

No.	Without Bearing Each	With Bearing Each	For Diam. Shaft Inches	For Cutless Bearing Code	Length Bearing Inches	Weight Pounds
1	\$24.00		3/4	Kale	3	6
2	24.00		7/8	Katy	3 1/2	6
3	24.00	\$33.00	1	Kava	4	6
4	28.50	39.30	1 1/8	Kersey	4 1/2	7 1/2
5	28.50	40.90	1 1/4	Kibble	5	7 1/2

**ADJUSTABLE STRUTS — Fig. 628**

With Marine Babbitt Bearing — All Cast Bronze

Size Shaft Inches	Width Flange Inches	Length Flange Inches	Length Bearing Inches	Weight Pounds
3/4	3	5 1/2	4 1/8	6 1/2
7/8	3	5 1/2	4 1/8	6 1/2
1	3	5 1/2	4 1/8	6 1/2
1 1/8	3	5 1/2	4 1/8	6 1/2
1 1/4	3 1/2	6 1/2	4 1/2	12 1/2
1 3/8	3 1/2	6 1/2	4 1/2	12 1/2
1 1/2	3 1/2	6 1/2	4 1/2	12 1/2

Lgh. Drop In.	Size Shaft Inches							
	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	
5	\$27.75	\$27.75	\$27.75	\$27.75				
6	28.60	28.60	28.60	28.60	\$42.00	\$42.00	\$42.00	
7	28.60	28.60	28.60	28.60	43.00	43.00	43.00	
8	30.35	30.35	30.35	30.35	43.90	43.90	43.90	
9	31.20	31.20	31.20	31.20	45.00	45.00	45.00	
10	32.90	32.90	32.90	32.90	46.20	46.20	46.20	

Specify size of shaft and length of drop, when ordering.

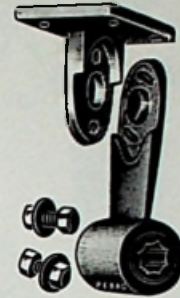


Fig. 1019

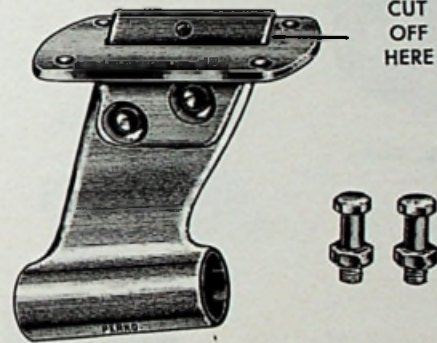


Fig. 1055

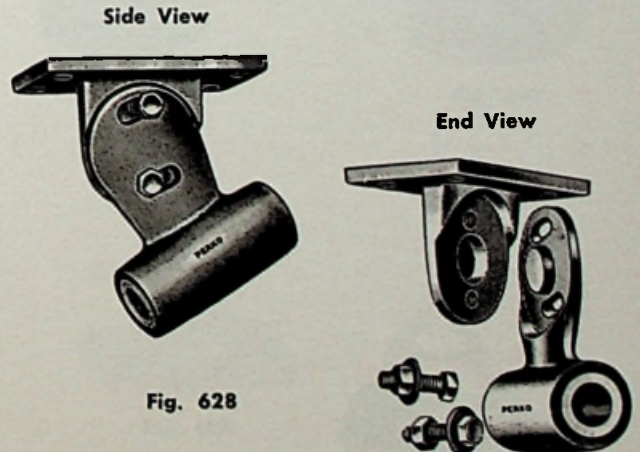


Fig. 628

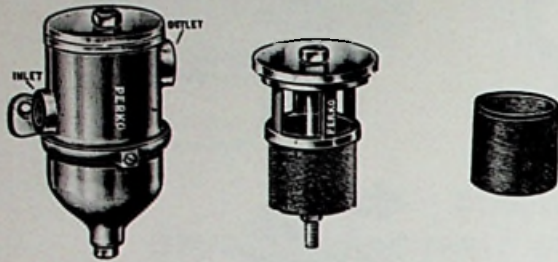


Fig. 299

**GASOLINE STRAINERS — Fig. 299**

Cast Bronze Housing — With "Kwick Klean" Filter Elements And Corprene Gaskets

The filter elements used are equivalent to 300 mesh screen cloth and are guaranteed to strain water from gasoline. They have a high flow rate, long life and are easy to clean. They can also be replaced in a few minutes by the removal of one nut. A soldering iron is not necessary.

Size No.	Complete Each	Spare Elements Each	Length Overall Inches	Diam. Inches	Tapped For Pipe Inches	Weight Pounds
1-A	\$14.00	\$.80	5½	2¾	¼	3¾
1-B	14.00	.80	5½	2¾	¾	3¾
1½-A	19.50	.95	6¼	3⅞	¾	6
1½-B	19.50	.95	6¼	3⅞	½	6
2-A	28.00	1.25	7¼	3⅞	½	8
2-B	28.00	1.25	7¼	3⅞	¾	8

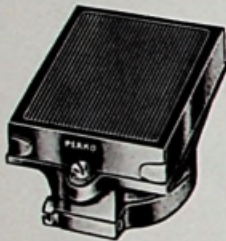


Fig. 464

**FLAME ARRESTERS — Fig. 464**

A Flame Arrester attached to the air inlet of the carburetor eliminates the possibility of a fire being caused by backfiring through the carburetor.

Size No.	Style No.	Each	Inside Diam. Inches	Dimensions of Top Inches	Height Overall Inches
3	B-175-19A	\$14.50	1½	3⅞ x 2 ⅜	2 ⅞
4	B-175-14	16.50	2⅞	4⅞ x 2⅞	2 ½
5	B-175-12A	16.75	2⅞	5⅞ x 2⅞	2 ⅞
6	B-175-12	16.75	2⅞	5⅞ x 2⅞	2 ⅞
7	B-175-16	16.75	2⅞	5⅞ x 2⅞	2 ⅞
8	B-175-13	18.50	3	5⅞ x 3 ⅞	2 ⅞



Fig. 493

**INTAKE WATER STRAINERS — Fig. 493**

Cast Bronze — Stainless Steel Strainer — Transparent Lucite Cylinder

For installation between hull connection and water pump to the engine.

Lucite cylinders are difficult to break even when struck with hammer. Gaskets are corprene, (neoprene and cork) waterproof and resilient.

No.	Complete Each	Spare Lucite Cylinders Each	Spare Cylinder Gaskets Each	Spare Strainers Each
1	\$22.00	\$ 5.00	\$.35	\$ 2.40
2	29.00	6.25	.45	3.75
3	31.00	6.50	.45	4.20
4	33.00	7.50	.45	4.75
5	46.50	11.00	.75	5.50
6	58.00	15.50	.75	8.00

Spare Wing Nut Gaskets — \$.12 each.

No.	Pipe Size Inches	Size Cylinder Inches	Height Inches	Width Overall Inches	Weight Pounds
1	½	3½ x 4	6	4¼	3½
2	¾	4½ x 5	7¼	5½	6½
3	1	4½ x 5½	8¼	5½	6½
4	1¼	4½ x 6	8¾	5½	7
5	1½	6 x 8	11½	7	12
6	2	6 x 12	17¼	9	22

Height does not include top nut or drain plug.



Fig. 326

**ZINC MARINE OILERS — Fig. 326**

Spring Brass Bottom

Complete Per Gross	Extra Spouts Per Gross	Capacity Ounces	Diam. Inches	Length Spout Inches	Weight Per Gross Pounds
\$136.00	\$42.00	8	4	4	40

**ROPE AND CHAIN DECK PIPE — Fig. 750**

For lightweight Anchors Using Chain  
Cast Bronze — Chromium Plated

When lightweight anchors are used a short length of chain is generally shackled to the rope line.

This new deck pipe will accommodate 3/4 inch line on a thimble, the shackle and 1/4 inch chain. It has a hook for hanging the chain, the weight of which holds the cover down.

Each	Dimensions of Flange Inches	Dimensions Inside Inches	Height Inches	Weight Pounds
\$11.90	5 1/4 x 4	3 3/4 x 2 1/2	1 3/4	2

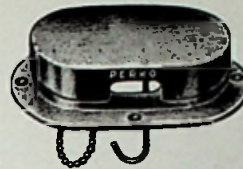


Fig. 750

**NEW ROPE DECK PIPE — Fig. 757**

With Hinged Cover — Zamak Die Casting — Chromium Plated

Each	For Diam. Rope Inches	Inside Diameter Inches	Diameter Flange Inches	Weight Pounds
\$3.50	5/8	1 1/2	3 1/4	5/8

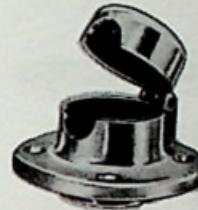


Fig. 757



Fig. 741

**ROPE DECK PIPES — Fig. 741**

Galvanized Cast Iron Or Cast Bronze

No.	Galvanized Each	Chromium Plated Each	For Diam. Rope Inches	Inside Diameter Inches	Diam. Flange Inches	Weight Pounds
0		\$6.00	5/8	1 1/2	3	3/4
1	\$2.90	9.50	3/4 & 1	1 3/4	4 1/4	1 1/4

All sizes Drilled for No. 8 F.H. screw.

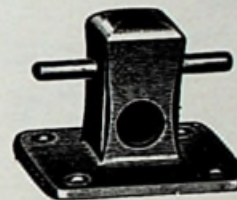


Fig. 431

**COMBINATION BITT**

AND ROPE DECK PIPES — Fig. 431

Cast Bronze

A hollow one piece casting of minimum weight but maximum strength. An opening in one side of bitt to allow rope to be stored below deck but always ready for use.

No.	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Height Inches	For Diam. Rope Inches	Weight Pounds
2	\$11.25	\$12.00	4 1/4 x 4 1/4	3 1/2	3/4	1 1/4
3	19.00	20.25	6 x 6	5	1	4
4	39.00	41.50	7 x 7	6 1/2	1 1/4	12

No. 2 Drilled for 1/4 inch bolt.

No. 3 Drilled for 5/16 inch bolt.

No. 4 Drilled for 1/2 inch bolt.

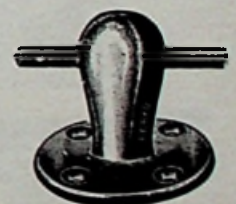


Fig. 597

**MOORING BITTS — Fig. 597**

Cast Bronze — Round Post — Round Base — Post Tapered To Hold Line at Bottom — Round To Prevent Wear On Line

No.	Polished Bronze Each	Chromium Plated Each	Diam. Base Inches	Height Inches	For Screw No.	Weight Pounds
1	\$5.75	\$7.50	2 1/4	2 1/4	10	3/4

**MOORING BITTS — Fig. 608**

Cast Bronze

No.	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Height Inches	For Screw No.	Weight Pounds
1	\$ 6.00	\$ 6.75	3 x 3	2 1/2	10	3/4
2	10.25	11.00	4 1/4 x 4 1/4	3 1/2	1/4"	1 1/4
3	18.00	19.25	6 x 6	5	5/16"	4 1/2
4	37.50	40.00	7 x 7	6 1/2	1/2"	12

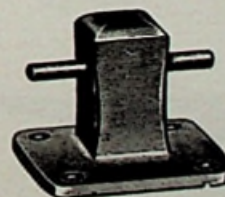


Fig. 608



Fig. 850

**CAST BRONZE STREAMLINE CLEATS — Fig. 850**  
Chromium Plated

Length Inches	Chromium Plated Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
3	\$2.45	2 $\frac{3}{4}$ x1 $\frac{3}{8}$	$\frac{3}{8}$	8	12	4
4 $\frac{1}{2}$	4.00	4 $\frac{1}{4}$ x1 $\frac{3}{4}$	$\frac{3}{8}$	10	12	10



Fig. 566

**STREAMLINE CLEATS — Fig. 566**

**Zamak Die Castings — Chromium Plated — Solid Base**

Length Inches	Chromium Plated Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
2	\$ .55	2 x1	$\frac{3}{8}$	7	25	1 $\frac{1}{2}$
3	.72	2 $\frac{3}{4}$ x1 $\frac{3}{8}$	$\frac{3}{8}$	8	25	2 $\frac{1}{2}$
4 $\frac{1}{2}$	1.15	4 $\frac{3}{8}$ x1 $\frac{3}{4}$	$\frac{3}{8}$	10	10	6
6	1.90	5 $\frac{1}{2}$ x2	$\frac{3}{4}$	12	5	11 $\frac{1}{2}$
7 $\frac{1}{2}$	3.35	4 $\frac{3}{8}$ x2 $\frac{3}{4}$	1	12	5	24

**CAST BRONZE MODERN DESIGN CLEATS — Fig. 851**  
Chromium Plated

Length Inches	Chromium Plated Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
3	\$2.25	1 $\frac{1}{2}$ x1 $\frac{3}{8}$	$\frac{3}{8}$	8	12	2 $\frac{1}{2}$
4 $\frac{1}{2}$	3.00	1 $\frac{3}{4}$ x1 $\frac{1}{2}$	$\frac{3}{8}$	8	12	6



Fig. 851

**MODERN DESIGN CLEATS — Fig. 1250**

**Zamak Die Castings — Chromium Plated**

Length Inches	Chromium Plated Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
3	\$ .80	1 $\frac{1}{2}$ x1 $\frac{1}{4}$	$\frac{3}{8}$	8	30	2 $\frac{1}{2}$
4 $\frac{1}{2}$	1.25	1 $\frac{3}{8}$ x1 $\frac{1}{2}$	$\frac{1}{2}$	8	10	8
6	1.95	2 $\frac{1}{4}$ x2 $\frac{1}{4}$	$\frac{3}{4}$	10	5	13



Fig. 1250

**SOLID BASE BOAT CLEATS — Fig. 544-A**

**Cast Bronze**

Length Inches	Polished Bronze Each	Chromium Plated Each	For Screw No.	Packed Per Box	Weight Ounces
3	\$1.50	\$1.65	8	25	2 $\frac{1}{2}$
4	1.90	2.10	10	25	4
5	2.80	3.00	14	10	5 $\frac{1}{2}$
6	3.20	3.50	14	10	8

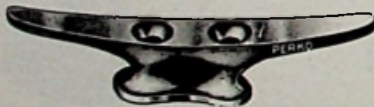


Fig. 544-A

**OPEN BASE BOAT CLEATS — Fig. 544**

**Galvanized Iron Or Cast Bronze**

Length Inches	Cast Iron Each	Mall. Iron Each	Polished Bronze Each	Chromium Plated Each	Galv. Weight Pounds
3 $\frac{1}{2}$	\$ .28	\$ .41			$\frac{3}{8}$
4	.30	.45	See Figure 544 A		$\frac{1}{4}$
5	.50	.64			$\frac{3}{8}$
6	.78	.80			$\frac{1}{2}$
8	1.20	1.70	\$5.15	\$ 5.50	1 $\frac{1}{4}$
10	2.10	2.65	7.50	8.25	2 $\frac{1}{4}$
12	3.15	3.70	9.25	10.00	3 $\frac{3}{8}$
14	4.50	6.40			6 $\frac{1}{4}$
18	7.75	11.45			11 $\frac{1}{2}$

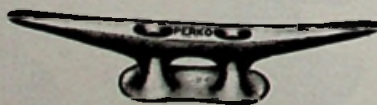


Fig. 544

Galvanized cleats supplied in cast unless otherwise specified.

**COMBINATION CLEAT OR BITT — Fig. 1202**

Zamak Die Castings — Chromium Plated

A design badly needed but never before produced. It combines good looks with practicability not offered in other designs.

Permits mounting on deck fore and aft as a cleat or athwart as a bitt.

No.	Each	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	Weight Ounces
1	\$ .90	3½	2¾	½	2
2	1.10	5	3⅝	¾	4½
3	1.30	6½	4¾	1	6

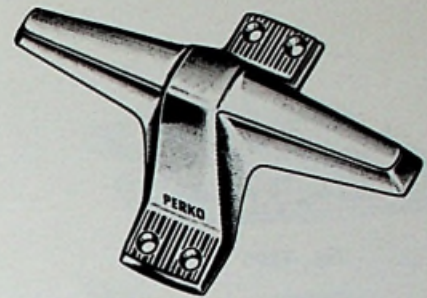


Fig. 1202

**YACHT CLEATS — Fig. 572**

Cast Bronze

Length Inches	Polished Bronze Each	Chromium Plated Each	For Screw No.	Weight Pounds	Packed Per Box
4½	\$ 3.00	\$ 3.40	10	½	10
5½	3.60	4.00	10	⅝	10
6½	4.90	5.25	12	¾	10
8	6.75	7.50	¼"	1¼	
*10	8.75	9.50	⅝"	2	
*12	13.00	13.75	⅞"	3	

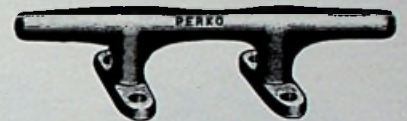


Fig. 572

\*These Sizes Are Hollow, Balance Of Sizes Are Solid.

**FENDER CLEATS — Fig. 1248**

Zamak Die Castings — Chromium Plated

Length Inches	Chromium Plated Each	Size Base Inches	For Screw No.	Packed Per Box	Weight Ounces
2¼	\$ .75	1¾x1	7	25	1½



Fig. 1248

**SHIP CLEATS — Fig. 511**

Cast Iron — Heavy

Length Inches	Galv. Each	Size of Base Inches	Holes for Diam. Bolts Inches	Weight Each Pounds
8	\$2.45	4¼x2⅝	⅝	3
10	4.40	4¾x2½	½	5½
12	7.25	6⅞x3	⅝	10
15	9.00	7¼x3½	¾	14
18	13.60	7½x4	¾	20¼



Fig. 511

**DOUBLE JAM CLEATS — Fig. 1030**

Cast Bronze — Polished

No.	Polished Bronze Each	Chromium Plated Each	Length Overall Inches	Width Inches	For Screw No.	Packed Per Box	Weight Ounces
0	\$1.85	\$2.05	3	⅞	6	12	2
1	2.25	2.45	4	½	7	12	3½
2	3.00	3.25	5	⅝	8	12	5½



Fig. 1030

**AUTOMATIC JAM CLEATS — Fig. 895**

Cast Bronze — Polished

No.	Each	For Rope Inches	Size Base Inches	For Screw No.	Weight Ounces
1	\$8.50	¼ - ⅝	3½x1½	8	10

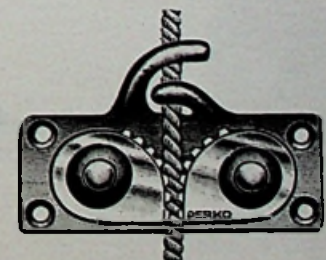


Fig. 895



Fig. 1203

**"DYNAFORM" SKENE CHOCKS — Fig. 1203**  
Zamak Die Castings — Chromium Plated

Truly the most attractive chocks available to the modern boat owner. The Skene design on a substantial base makes these chocks very practical as well as pleasing to the eye.

Per Pair	Length Overall Inches	Width Overall Inches	For Diameter Rope Inches	Weight Per Pair Ounces
\$2.70	5	1½	½	12

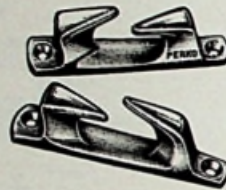


Fig. 852

**MODERN DESIGN BOW CHOCKS — Fig. 852**  
Cast Bronze — Chromium Plated

Per Pair	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	For Screw No.	Packed Pairs Per Box	Weight Per Pair Ounces
\$6.00	4	1¼	½	8	10	10



Fig. 1253

**MODERN DESIGN BOW CHOCKS — Fig. 1253**  
Zamak Die Castings — Chromium Plated

Per Pair	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	For Screw No.	Packed Pairs Per Box	Weight Per Pair Ounces
\$1.60	4	1¼	½	8	10	7



Fig. 546

**BOW CHOCKS — Fig. 546**  
Galvanized Or Bronze

Lgth. Inches	Galv. Iron Per Pair	Polished Bronze Per Pair	Chrome Plated Per Pair	Width Inches	For Diam. Rope Inches	Bronze For Screw No.	Wt. Per Pair Lbs.
3	\$ .55	\$ 2.40	\$ 2.80	¾	½	8	¼
4	.62	3.15	3.60	¾	¾	10	½
5	1.10	6.10	6.60	¾	¾	10	1
6	1.95	8.50	9.10	1	1	14	1½
8	3.00	12.00	13.20	1¼	1¼	14	3
10	4.90			1¾	1¾	¾"	5¼
12		25.50	31.50	2	1¼	¾"	11¾

Note: 3 and 4 inch sizes are forged bronze.



Fig. 1223

**SKENE BOW CHOCKS — Fig. 1223**  
Zamak Die Casting — Chromium Plated

Per Pair.	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	For Screw No.	Packed Pairs Per Box	Weight Per Pair Ounces
\$1.15	3½	¾	¾	8	10	4



Fig. 119

**STRAIGHT STERN CHOCKS — Fig. 119**  
Galvanized Or Cast Bronze

Lgth. Inches	Galv. Iron Each	Polished Bronze Each	Chrome Plated Each	Width Inches	For Diam. Rope Inches	Bronze For Screw No.	Wt. Each lbs.
4	\$ .40	\$2.10	\$2.40	¾	¾	8	¼
5	.58	3.00	3.30	1	¾	10	½
6	.87	4.00	4.65	1¼	1	12	¾
8	1.80	6.90	7.80	1¾	1¼	14	1½
10	2.80			1¾	1½	¾"	2¼
12	5.50			2¾	1¾	¾"	7½
15	10.75			3¾	1¾		20



**STREAMLINE CHOCKS — Fig. 1240**

For Bow Or Stern — Zamak Die Castings — Chromium Plated

The bow line can pass through these chocks at the usual angle without wear as the vertical part of each jaw is rounded for that purpose.

Per Pair	Length Inches	Extreme Width Inches	For Diameter Rope Inches	For Screw No.	Weight Ounces	Packed Pairs Per Box
\$2.20	4	1	½	10	3½	10



Fig. 1240

**SKENE BOW CHOCKS — Fig. 160**

Cast Bronze

Size No.	Polished Bronze Per Pair	Chromium Plated Per Pair	Length Inches	Width Inches	Opening Inches	Weight Per Pair Pounds
1	\$ 6.00	\$ 6.60	4½	¾	¾	¾
2	9.00	9.75	5½	1½	¾	1½
3	17.50	18.25	7¼	1¾	1	4



Fig. 160

**SKENE STERN CHOCKS — Fig. 161**

Cast Bronze

Size No.	Polished Bronze Each	Chromium Plated Each	Length Inches	Width Inches	Opening Inches	Weight Each Pounds
11	\$3.00	\$3.50	4	¾	¾	½
12	5.90	6.30	5¾	1¼	1	1
13	8.75	9.35	7	1½	1¼	2



Fig. 752



Fig. 161

**IMPROVED HAWSE HOLE PLATE — Fig. 752**

Cast Bronze

Generally used in the covering board or gunwale deck for passing a dock line to a cleat under the deck.

Plain Bronze Each	Chromium Plated Each	Dimensions Overall Inches	Dimensions Inside Inches	Length Spigot Inches	Weight Pounds
\$5.00	\$7.20	4¼x6¼	2½x4	1½	1¼



Fig. 1294



Fig. 1017

**RING BUOY HOLDERS — Fig. 1017**

Cast Bronze

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Width Mounting Plate Inches	Hgt. Overall Inches	For Screw No.	Wt. Lbs.
\$1.90	\$3.60	\$4.00	3	4½	8	½



Hinge No. 1



Socket Nos. 2 and 3

**WINTER FRAME JOINT — Fig. 1294**

Zamak Die Casting — Plain

Made to fit ¾ inch thin wall electric conduit which is popular for use in holding up winter covers or tarpaulins.

Each	Length Inches	Width Inches	Weight Ounces
\$ .75	2¼	1¾	3½

**CONVERTIBLE BOAT TOP FITTINGS — Fig. 395**

Die Castings — Chromium Plated

No.	Each	Item
1	\$1.10	Deck Hinge or Bracket
2	1.25	Socket for ¾ inch pipe
3	1.25	Socket for ¾ inch tubing
4	.80	Eye End for ¾ inch tubing
5	1.45	Slide for ¾ inch pipe
6	1.45	Slide for ¾ inch tubing



Eye End No. 4



Slide Nos. 5 and 6

Fig. 395

Average Weight - 2 ounces each

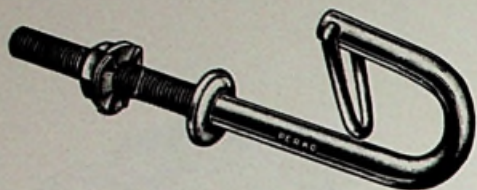


Fig. 862



Fig. 817  
Without Link

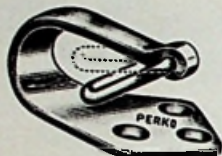


Fig. 861  
With Link



Fig. 179

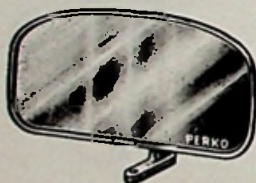


Fig. 436

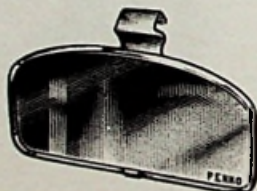


Fig. 427

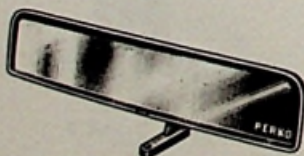


Fig. 406

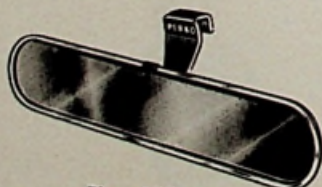


Fig. 400

**WATER SKI TOWING HOOKS — Fig. 862**  
**All Stainless Steel Hook — For Mounting Through Transom**

For fast and full power get-away it is best to have towing line attached as low as possible to transom of boat, this hook answers that problem.

The vertical link prevents escape of line when skier is alongside.

The special washer prevents turning of hook in transom.

Each	Length Overall Inches	Length Thread Inches	Diameter Metal Inches	Packed Per Box	Weight Ounces
\$2.95	7	3 1/8	3/8	5	7

**WATER SKI TOWING HOOKS — Figs. 817 & 861**  
**Cast Bronze**

Link prevents tow line from jumping out. This unit also serves as a chock or hook for dock line.

Fig.	Plain Each	Chromium Plated Each	Length Overall Inches	Width Inches	For Screw No.	Weight Pounds
817	\$2.40	\$3.50	3	1 1/4	12	1/2
861	2.10	4.35	3 1/4	1 1/4	12	1/2

**OUTBOARD FLUSHING NOZZLES — Fig. 179**  
**Aluminum And Brass — For Internal Flushing Of Lower Unit In Outboard Motor**

No.	Each	Size Thread	Length Overall Inches	Weight Ounces
3	\$ .75	1/8" Pipe	2	1 1/2
4	.75	3/16"x20	2 1/8	2

No. 3 for Evinrude 7 1/2 H.P. and others.

No. 4 for Evinrude and Johnson 3 H.P. and others.

**REAR VIEW MIRROR — Fig. 436**  
**Lead Coated Glass — Non-Glare — Zamak Die Cast Base — Chromium Plated**

Each	Width Mirror Inches	Height Mirror Inches	Height Overall Inches	Size Base Inches	Weight Pounds
\$5.85	8 1/2	4 1/4	6 1/8	2 1/8 x 3/4	3/4

**REAR VIEW MIRROR — Fig. 427**  
**Lead Coated Glass — Non-Glare — Adjustable Bracket For Windshield**

Each	Width Mirror Inches	Height Mirror Inches	Height Overall Inches	Weight Pounds
\$4.80	8 1/2	4 1/4	4 1/4	3/8

**CURVED REAR VIEW MIRROR — Fig. 406**  
**Wide Vision — Non-Glare — Lead Backed Glass — Salt Spray Tested — Zamak Die Cast Base — Chromium Plated**

Each	Width Mirror Inches	Height Mirror Inches	Height Overall Inches	Size Base Inches	Weight Pounds
\$8.50	12	2 3/4	4 1/2	3 1/4 x 3/4	3/4

**CURVED REAR VIEW MIRROR — Fig. 400**  
**Wide Vision — Non-Glare Glass — For Mounting On Top Of Windshield — Adjustable**

Each	Width Mirror Inches	Height Mirror Inches	Weight Pounds
\$6.25	11 1/4	2 1/2	1/2

**BOW HANDLE WITH EYE — Fig. 853**

Cast Bronze — Chromium Plated

**BOW HANDLE WITH EYE — Fig. 1269**

Zamak Die Casting — Chromium Plated

Figs.	Each	Length Base Inches	Height Above Deck Inches	For Screw No.	Packed Per Box	Wt. Oz.
853	\$6.75	7½	1¼	8	6	15
1269	3.40	11¾	2	10	6	18

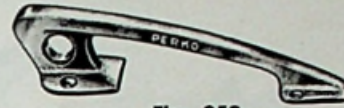


Fig. 853

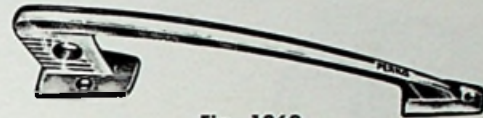


Fig. 1269

**BOW HANDLE — Fig. 1217**

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Length Base Inches	Height Above Deck Inches	For Screw No.	Wt. Ozs.	Packed Per Box
\$2.45	7¾	1¼	8	11	10



Fig. 1217

**STREAMLINE BOW HANDLE — Fig. 1238**

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Length Overall Inches	Height Above Deck Inches	For Screw No.	Weight Ounces	Packed Per Box
\$3.25	13¾	1¼	8	14	5



Fig. 1238

**STREAMLINE BOW HANDLE — Fig. 1244**

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Length Base Inches	Height Above Deck Inches	For Screw No.	Weight Ounces	Packed Per Box
\$2.40	12	1¼	8	13	5



Fig. 1244

**BOW HANDLE — Figs. 1221 & 1234**

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Length Overall Inches	Height Above Deck Inches	For Screw No.	Weight Ounces	Packed Per Box
\$1.50	6½	2	8	5½	10



Fig. 1221



Fig. 1234

**TRANSOM HANDLE — Fig. 854**

Cast Bronze — Chromium Plated

**TRANSOM HANDLE — Fig. 1254**

Zamak Die Casting — Chromium Plated

Figs.	Each	Length Base Inches	Height Above Deck Inches	For Screw No.	Packed Per Box	Wt. Oz.
854	\$1.40	5¾	1¼	8	12	7
1254	3.40	5¾	1¼	8	6	8

**TRANSOM HANDLES**

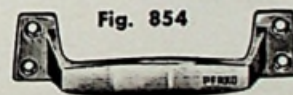


Fig. 854

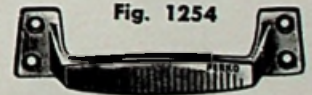


Fig. 1254

**TRANSOM HANDLE — Fig. 1229**

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Length Overall Inches	Length Inside Inches	For Screw No.	Weight Ounces	Packed Per Box
\$.90	5¾	3½	6	2½	10



Fig. 1229

**ROUND GRIP TRANSOM HANDLE — Fig. 1231**

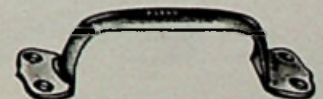
Zamak Die Casting — Chromium Plated

Extra strong for heavy boats. The round grip has no sharp edges and is ample to accommodate a man size hand.

Each	Length Overall Inches	Length Inside Inches	Height Inside Inches	For Screw No.	Weight Ounces	Packed Per Box
\$1.25	6	3½	1¾	10	7¼	10



Fig. 1231



Bronze Fig. 775  
Zamak Fig. 1222

**TRANSOM HANDLES — Figs. 775 & 1222**

Cast Bronze Or Zamak Die Casting

Fig. No.	Polished Bronze Each	Chromium Plated Each	Length Overall Inches	Length Inside Inches	For Screw No.	Weight Ounces
775 1	\$1.30	\$1.65	4¾	2¾	6	2
775 2	2.00	2.30	5¾	3¾	8	4
1222		1.00	5¾	3¾	8	3½

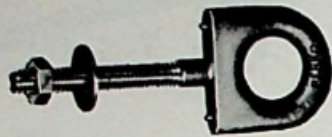


Fig. 238

**BOW EYES — Fig. 238**  
Cast Manganese Bronze

No.	Dull Bronze Each	Chromium Plated Each	I.D. Eye Inches	Lgth. Shank Inches	Diam. Shank Inches	Weight Ounces
1	\$1.20	\$2.10	1	3 1/8	3/8	5 1/2
2	1.60	2.50	1	6	3/8	7

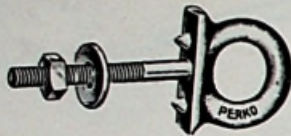


Fig. 238-A

**HEAVY DUTY BOW EYES — Fig. 238A**  
Cast Manganese Bronze

Extra large and strong for small inboard and outboard cruisers.

No.	Plain Bronze Each	Chromium Plated Each	I.D. Eye Inches	Length Shank Inches	Diam. Shank Inches	Weight Ounces
3	\$3.50	\$5.00	1 1/4	6	1/2	15

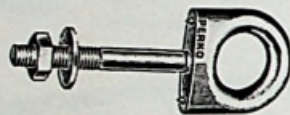


Fig. 1292

**BOW EYE — Fig. 1292**  
Zamak Die Cast Eye — Chromium Plated —  
Bronze Shank, Nut And Washer

Each	I.D. Eye Inches	Length Shank Inches	Diam. Shank Inches	Weight Ounces
\$1.75	1	3	3/8	5

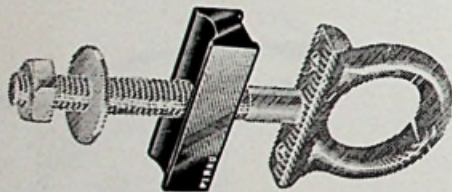


Fig. 397

**BOW EYE ADAPTER — Fig. 397**  
Zamak Die Casting — Chromium Plated

For use with our Fig. 238 Bow Eye. The curved base fits snugly around the stem. Excellent for fibre glass or metal boats. Stock radius 3/8 inches.

Each	Length Inches	Width Inches	Thickness Inches	Weight Ounces
\$0.55	1 1/8	3/8	1/2	1

With special radius to order, in quantity, details on application.



Fig. 401

**BOW EYE ADAPTER — Fig. 401**  
White Nylon

The strength and resilience of nylon permits this adapter to spread to an extreme radius to fit the wide stem of modern boats.

Each	Length Inches	Width Inches	Weight Ounces
\$0.35	1 1/8	3/8	3/4



Fig. 1020

**RINGS WITH STRAPS — Fig. 1020**  
Galvanized Malleable Iron Or Cast Bronze

No.	Galvanized Each	Plain Bronze Each	Chromium Plated Each	Size Strap Inches	For Screw No.	Weight Ounces
1	\$0.95	\$1.20	\$2.35	4 1/2 x 3/4	8	4 1/2
2	1.10			4 1/2 x 3/4	8	4 3/4



Fig. 182

**RING ON PLATE — Fig. 182**  
Cast Bronze — Streamline Pattern

No.	Chromium Plated Each	Length Base Inches	Width Base Inches	Size of Ring Inches	Weight Ounces
1	\$3.00	2 3/4	1 1/2	3/4 x 1 1/4	2 3/4
2	3.40	3 1/4	1 3/8	3/2 x 1 1/2	3 1/2

Drilled for No. 8 Screw.

**RING ON PLATE — Fig. 607**  
Galvanized Drop Forged Steel

No.	Galvanized Each	Size Ring Inches	Size Plate Inches	For Screw No.	Weight Per 100 Pounds
1	\$1.25	3/8 x 1 1/2	2 1/4 x 2 1/4 x 1/4	12	33
2	1.55	3/8 x 2	2 1/8 x 2 1/8 x 1/4	12	50



Fig. 607

**BOW EYES — Fig. 303**  
Cast Bronze

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Weight Ounces	Packed Per Box
\$1.25	\$1.85	\$2.35	3 1/4	5

Metal In Eye Inches	Length of Straps Inches	Extreme Length Inches	I.D. Eye Inches	For Screw No.
3/8	1 1/4	3	3/4	8

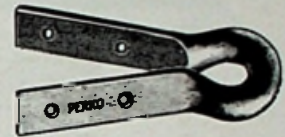


Fig. 303

**TOWING OR LIFTING EYE — Fig. 416**  
Cast Manganese Bronze

Plain Bronze, ea.	Chromium Plated ea.	Overall Length Inches	Overall Width Inches	Dimensions Inside Eye Inches	Diameter Eye Stock Inches	Weight Ounces
\$2.25	\$4.00	3 3/8	1 7/8	1 1/2 x 1 1/4	7/16	7



Fig. 416

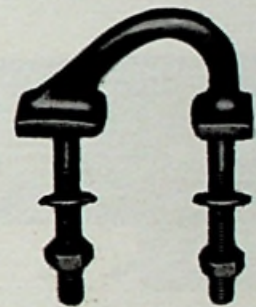
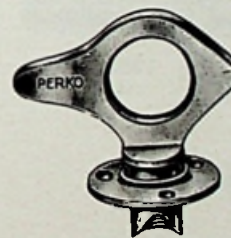


Fig. 418

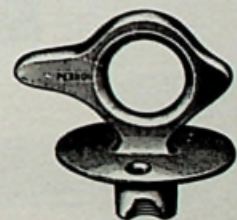
**TOWING OR LIFTING EYE — Fig. 418**  
Cast Manganese Bronze

This rugged Perko fitting has two 3" x 3/8" threaded studs, nuts and washers for through bolting.

Plain Bronze, ea.	Chromium Plated, ea.	Overall Length Inches	Overall Width Inches	Dimensions Inside Eye Inches	Diameter Eye Stock Inches	Weight Ounces
\$3.65	\$5.70	3 3/8	1	1 1/2 x 1 1/4	7/16	9 1/2



WITH LOOSE DECK FLANGE  
Fig. 412



WITH INTEGRAL DECK FLANGE  
Fig. 415

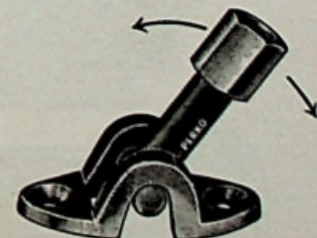
**LIFTING RINGS AND KEEL PLATES — Figs. 412, 415, 446 & 447**  
Cast Manganese Bronze — For 3/8 Inch Rod

Fig.	Plain Bronze Each	Chromium Plated Each	I.D. Eye Inches	Stock in Eye Inches	Length Inches
412		\$5.75	1 3/8	3/16	3 1/2
415		6.25	1 3/8	1/2	3 1/2
446	\$2.00				
447	2.40				

Fig.	Diam. Flange Inches	Size Flange Inches	Size Base Inches	For Screw No.	For Bolt Size	Weight Ounces
412	2			8		10
415		3 x 2 1/2		8		12 1/2
446			3 x 1 3/8		1/4"	7
447			3 1/2 x 1 3/8		1/4"	9



KEEL PLATE  
Fig. 446



KEEL PLATE  
Fig. 447



Fig. 1225



Fig. 1043

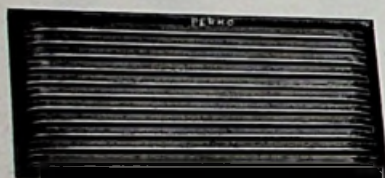


Fig. 1050



Fig. 1251



Fig. 1284

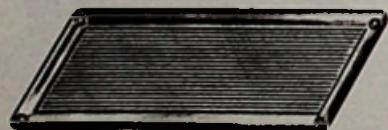
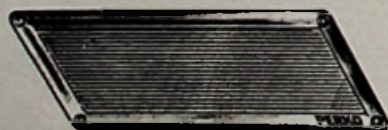


Fig. 1273

**STEP PLATES — Fig. 1225**

Zamak Die Casting — Chromium Plated —  
With Black Or White Moulded Rubber Step Pads

No.	Black Complete Each	White Complete Each	Frame Only Each	Overall Dimensions Inches	For Screw No.	Weight Ounces
1	\$1.20	\$1.40	\$.90	8 $\frac{3}{4}$ x3 $\frac{1}{4}$	6	8
2	2.15	2.55	1.70	11 $\frac{1}{2}$ x5 $\frac{3}{4}$	8	12

Black supplied unless otherwise specified.

Packed per box—No. 1, 10 pieces, No. 2, 5 pieces.

**STEP PLATES — Fig. 1043**

Cast Bronze Frame — Chromium Plated —  
With Black Or White Moulded Rubber Step Pads

No.	Black Complete Each	White Complete Each	Frames Only Each	Overall Dimensions Inches	For Screw No.	Weight Pounds
0	\$2.40	\$2.65	\$2.15	8 x 2 $\frac{1}{4}$	4	$\frac{1}{2}$
1	4.65	4.85	4.35	8 $\frac{3}{4}$ x3 $\frac{1}{4}$	6	$\frac{3}{4}$
2	6.30	6.70	5.85	11 $\frac{1}{2}$ x5 $\frac{3}{4}$	8	1 $\frac{1}{4}$

Black supplied unless otherwise specified.

Packed per box—Nos. 0 and 1, 10 pieces, No. 2, 5 pieces.

**RUBBER PADS ONLY — Fig. 1050**

Black Or White

No.	Black Each	White Each	Length Inches	Width Inches	Thickness Inches	Weight Ounces
0	\$.25	\$.50	7 $\frac{1}{4}$	1 $\frac{1}{2}$	$\frac{1}{4}$	2
1	.30	.50	8	2 $\frac{1}{2}$	$\frac{3}{8}$	3 $\frac{1}{4}$
2	.45	.85	11	5	$\frac{3}{8}$	8 $\frac{1}{4}$

Black supplied unless otherwise specified.

Packed 10 pieces per box.

**STEP PLATE — Fig. 1251**

Zamak Die Casting — Chromium Plated —  
Black Or White Rubber Pads

No.	Black Complete Each	White Complete Each	Frame Only Each	Dimensions Overall Inches	Weight Ounces
0	\$.95	\$1.15	\$.75	8 x 2 $\frac{1}{4}$	5
1	1.15	1.35	.85	8 $\frac{3}{4}$ x 3 $\frac{1}{4}$	6 $\frac{1}{2}$

Black pads only, \$.30 each

White pads only, \$.50 each

**MODERN DESIGN STEP PLATES — Fig. 1284**

Zamak Die Castings — Chromium Plated —  
Black Or White Rubber Pads

Certainly the most attractive step plate made for out-board and inboard boats.

Black Complete Each	White Complete Each	Black Pads Each	White Pads Each	Overall Dimensions Inches	Weight Complete Ounces
\$1.10	\$1.30	\$.25	\$.40	8x2 $\frac{1}{4}$	5

**STEP PLATES — Fig. 1273**

Zamak Die Castings — Chromium Plated —  
Black Or White Rubber Pads

Supplied in pairs, one plate for each side of boat.

No.	Black Complete Per Pair	White Complete Per Pair	Overall Dimensions Inches	For Screw No.	Weight Per Pair Ounces
1	\$3.20	\$3.40	8 $\frac{1}{2}$ x3 $\frac{1}{4}$	6	18

**UTILITY RUBBER STEP PLATES — Fig. 1044**  
**Heavy Corrugated — Black Or White With Brass,**  
**Chromium Plated Frame**

No.	Black Each	White Each	Overall Dimensions Inches	Weight Pounds
4	\$5.50	\$ 7.25	10 x 4	¾
5		8.25	13 x 5	1
6	7.20	10.00	17 x 6	1½
7		11.00	18 x 7	2
9		10.50	12 x 8	1½
10		12.75	15 x10	2¼

Black supplied unless otherwise specified.



Fig. 1044

**RUBBER TRANSOM PAD — Fig. 199**  
**Neoprene — With Formica Insert**

Reduces noise and vibration.  
 Protects both sides of transom.  
 Fits all sizes and models of O.B. motors.

No.	Black Each	Extreme Width Inches	Weight Pounds
1	\$4.60	10½	1½
2	5.75	12¾	2
Giant	6.25	12¾	3

Note—Size No. 2 for 35 H.P. motors.  
 Giant size for 50 H.P. and up.

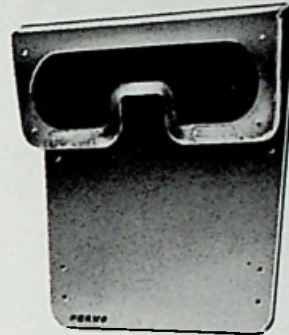


Fig. 199

**RUBBER TRANSOM PAD — Fig. 172**  
**Neoprene — In Various Colors**

Reduce noise and vibration. Protects both sides of transom.  
 Fits all sizes and models of O.B. motors. Colors are blue or green. Please specify.

Each	Extreme Width Inches	For Screw No.	Weight Pounds
\$1.95	10¾	8	1¾



Fig. 172

**TRANSOM PLATES — Fig. 1224**  
**Zamak Die Casting — Chromium Plated —**  
**With Leather Pads**

No.	Per Pair	Length Overall Inches	Inside Diameter Inches	Weight Per Pair Ounces	Packed Pairs Per Box
1	\$1.10	3½	1⅞	2¾	25
2	1.25	3½	2⅞	3	25



Fig. 1224

**TRANSOM PLATES — Fig. 814**  
**Forged Bronze — With Leather Pads**

Dull Finish Per Pair	Chromium Plated Per Pair	Outside Diameter Inches	Inside Diameter Inches	For Screw No.	Weight Per Pair Ounces
\$1.00	\$1.25	3	1¾	6	7

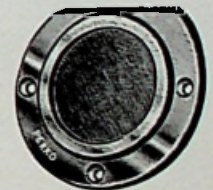


Fig. 814

**BOAT COVER SOCKETS — Fig. 578**  
**Zamak Die Casting — Chromium Plated**

Sockets will accommodate a piece of wood lattice ⅜ inches thick and up to 1¾ inches wide. Cut the lattice a few inches longer than the boat's width to obtain a low arch under the cover.

Per Pair	Length Overall Inches	Size Opening Inches	Width Overall Inches	For Screw No.	Weight Per Pair Ounces
\$.75	3¼	1⅞x⅞	⅞	8	2

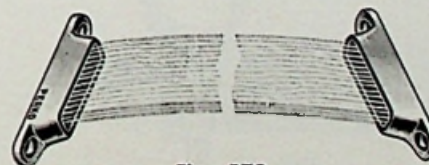


Fig. 578

**LASHING HOOK — Fig. 1249**  
**For Boat Covers — Zamak Die Casting —**  
**Chromium Plated**

Chromium Plated Each	Length Overall Inches	Width Overall Inches	Inside Hook Inches	For Screw No.	Packed Per Box	Weight Ounces
\$.18	1⅞	½	¼	6	50	½



Fig. 1249



Fig. 638



Fig. 639



Fig. 1227



Fig. 643

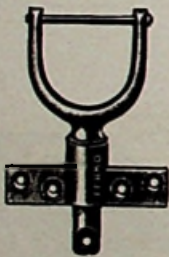


Fig. 644

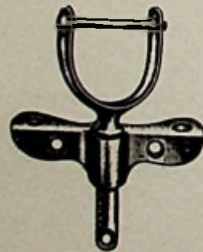


Fig. 652

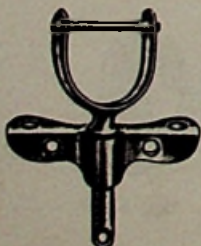


Fig. 1228

**RIBBED SOCKET ROWLOCKS — Fig. 638**

Galvanized — Cast Iron

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
0	\$1.30	\$ .80	\$ .50	1 3/4	1 1/8
1	1.40	.90	.50	2	1 1/4

**STANDARD SOCKET ROWLOCKS — Fig. 639**

Galvanized Malleable Iron

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
0	\$1.80	\$1.25	\$ .55	1 3/4	1 1/8
1	2.35	1.80	.55	2	1 1/4
2	2.85	1.85	1.00	2 1/4	1 3/4
3	4.00	2.90	1.10	2 1/2	2 5/8

**NORTH RIVER ROWLOCKS — Fig. 1227**

With Standard Socket — Zamak Die Casting — Chromium Plated

Chromium Plated Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Ounces
\$3.50	\$1.95	\$1.55	1 3/4	15

**NORTH RIVER ROWLOCKS — Figs. 643 & 644**

Galvanized Malleable Iron Or Bronze

Fig.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
643 Galv.	\$2.35	\$1.85	\$ .50	2 1/8	1 1/2
644 Galv.	3.25	1.85	1.40	2 1/8	1 1/2
643 Pl. Bronze	3.90	2.85	1.05	2 1/8	1 1/2
644 Pl. Bronze	4.60	2.85	1.75	2 1/8	1 1/2
643 Pol. Bronze	7.00	4.85	2.15	2 1/8	1 1/2
644 Pol. Bronze	8.25	4.85	3.40	2 1/8	1 1/2
643 Chrome Pltd.	8.50	5.75	2.75	2 1/8	1 1/2
644 Chrome Pltd.	9.75	5.75	4.00	2 1/8	1 1/2

**NORTH RIVER ROWLOCKS — Fig. 652**

With Fancy Side Plate — Galvanized Malleable Iron Or Bronze

	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
Pol. Bronze	\$ 9.45	\$4.85	\$4.60	2 1/8	1 1/2
Chrome Pltd.	10.95	5.75	5.20	2 1/8	1 1/2

**NORTH RIVER ROWLOCKS — Fig. 1228**

With Side Plate Socket — Zamak Die Casting — Chromium Plated

Chromium Plated Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Ounces
\$4.30	\$1.95	\$2.35	1 3/4	18

Brass Safety Chains for Rowlocks, \$.50 per pair

Note — All above horns and sockets are interchangeable.



**BOSTON SIDE PLATE ROWLOCKS — Fig. 646**

Galvanized Malleable Iron Or Bronze

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
0 Galv.	\$ 3.05	\$1.50	\$1.55	1¾	1½
1 Galv.	3.15	1.55	1.60	2	1½
0 Pl. Bronze	4.70	2.60	2.10	1¾	1½
1 Pl. Bronze	4.90	2.70	2.10	2	1½
0 Pol. Bronze	9.00	4.70	4.30	1¾	1½
1 Pol. Bronze	9.50	5.00	4.50	2	1½
0 Chrome Pltd.	11.25	6.25	5.00	1¾	1½
1 Chrome Pltd.	11.70	6.50	5.20	2	1½



Fig. 646

**SIDE PLATE ROWLOCKS — Fig. 645**

Cast Bronze

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
1 Pl. Bronze	\$5.15	\$3.30	\$1.85	2	1¾
1 Pol. Bronze	8.50	5.25	3.25	2	1¾
1 Chrome Pltd	11.10	7.00	4.10	2	1¾

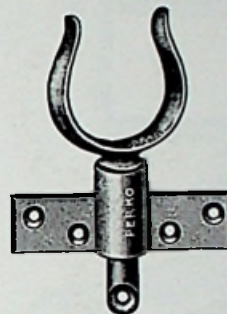


Fig. 645

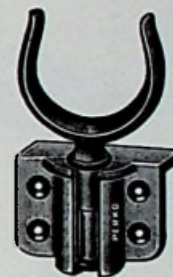


Fig. 641

**DAVIS PATTERN ROWLOCKS — Fig. 641**

Galvanized Malleable Iron

Size No.	Per Pair	Opening Inches	Weight Per Pair Pounds
0	\$3.75	1¾	2
1	4.00	2	2
2	4.75	2½	2¾



Fig. 642

**ROUND SOCKET ROWLOCKS — Fig. 642**

Galvanized Malleable Iron Or Bronze

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Inside Diam. Inches	Weight Per Pair Pounds
0 Galv.	\$2.05	\$1.05	\$ .55	2	1½
1 Galv.	2.20	1.65	.55	2¼	1½
2 Galv.	3.00	1.90	1.10	2¼	1½
1 Pl. Bronze	4.35	3.30	1.05	2¼	1½
1 Pol. Bronze	7.50	5.50	2.00	2¼	1½
1 Chrome Pltd.	9.65	7.00	2.85	2¼	1½

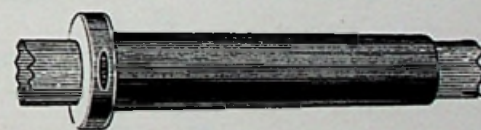


Fig. 648

**"SAV-OR" COMBINATION**

**OAR SLEEVE AND STOP — Fig. 648**

Black Moulded Natural Rubber

An excellent item for adding years of life to a pair of oars plus noiseless operation when fishing. Also serves as a sleeve for outrigger or fishing pole socket.

Each	Length Inches	Outside Diameter Inches	Inside Diameter Inches	Weight Ounces
\$1.85	9	1¾ to 2	1½ to 1¾	6½



Fig. 233

**OAR LEATHERS AND BUTTONS — Fig. 233**

Russet Leather

	Per Pair
Complete, Leathers and Buttons	\$1.60
Leathers Only—7x6½ inches	1.30
Buttons Only—½x13 inches	.30

**COPPER OAR AND PADDLE TIPS — Figs. 794 & 788**

Fig. 794 Oar Tips—Per Pair	\$ .60
Fig. 788 Paddle Tips—Each	.30

Note — All above horns and sockets except Fig. 641 are interchangeable.



Fig. 794



Fig. 788

**FLAG POLE SOCKETS**

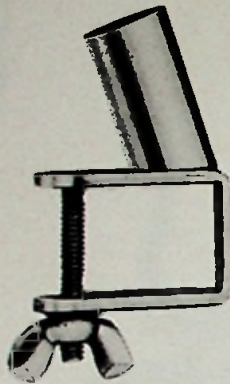


Fig. 277

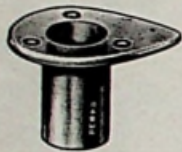
**BOW RAIL FLAG POLE SOCKET — Fig. 277**  
 Brass — Chromium Plated

A wing nut and bolt clamps this fitting firmly in place on bow rails up to 1 inch in diameter. Installation can be made in a matter of minutes.

Each	Socket I.D. Inches	Socket Depth Inches	Weight Ounces
\$4.25	3/4	1 1/2	4 1/2

**FLUSH TYPE FLAG POLE SOCKETS — Figs. 1258 & 1259**  
 Zamak Die Castings — Chromium Plated —  
 Drilled For No. 6 Screw

Fig.	Each	Inside Diam. Inches	Size Base Inches	Depth Socket Inches	Weight Ounces
1258	\$1.25	3/4	3x2 1/8	2	4 1/2
1259	1.25	3/4	3x2 1/8	2 1/8	4 1/2



Bow  
Fig. 1258

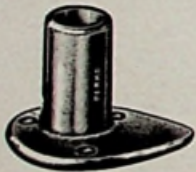


Stern  
Fig. 1259

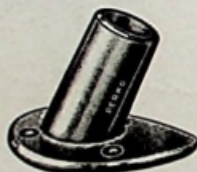
**UPRIGHT TYPE FLAG POLE SOCKETS — Figs. 342 & 343**  
 Zamak Die Castings — Chromium Plated  
 Drilled For No. 6 Screw

Fig.	Each	Inside Diam. Inches	Size Base Inches	Height Overall Inches	Weight Ounces
342	\$1.25	3/4	3x2 1/8	2	4 1/2
343	1.40	3/4	3x2 1/8	2	4 1/2

**FLUSH TYPE FLAG POLE SOCKETS — Figs. 218 & 219**  
 Cast Bronze — Drilled for No. 8 Screw



Bow  
Fig. 342



Stern  
Fig. 343

**Fig. 218 Bow**

Inside Diam. Inches	Polished Bronze Each	Chromium Plated Each	Diam. Flange Inches	Depth Socket Inches	Weight Ounces
3/4	\$1.65	\$1.85	2	1 1/2	4 1/2
1	2.15	2.40	2 3/8	1 3/4	5
1 1/4	2.90	3.30	2 5/8	2	9

**Fig. 219 Stern**

Inside Diam. Inches	Polished Bronze Each	Chromium Plated Each	Diam. Flange Inches	Depth Socket Inches	Weight Ounces
3/4	\$1.85	\$2.05	2	1 1/2	4
1	2.60	2.85	2 3/8	1 3/4	7 1/2
1 1/4	3.00	3.40	2 5/8	2	9 1/4
1 1/2	4.00	4.40	3 1/8	2 3/8	15



Bow  
Fig. 218



Stern  
Fig. 219

**UPRIGHT TYPE FLAG POLE SOCKETS — Figs. 220 & 221**  
 Cast Bronze — Drilled for No. 8 Screw

**Fig. 220 Bow**

Inside Diam. Inches	Polished Bronze Each	Chromium Plated Each	Diam. Base Inches	Height Inches	Weight Ounces
3/4	\$2.65	\$2.90	2 1/8	1 3/4	5 1/4
1	3.35	3.65	2 1/2	2	6 3/4
1 1/4	3.85	4.15	2 3/4	2 1/8	10 3/4

**Fig. 221 Stern**

Inside Diam. Inches	Polished Bronze Each	Chromium Plated Each	Diam. Base Inches	Height Inches	Weight Ounces
3/4	\$2.65	\$2.90	2 1/8	1 3/4	4 3/4
1	3.35	3.65	2 1/2	2	6 3/4
1 1/4	4.00	4.30	2 3/4	2 1/8	8 3/4



Bow  
Fig. 220



Stern  
Fig. 221

**WOOD RAIL HINGES AND LATCHES — Figs. 180 & 185**

**Cast Bronze — Stainless Steel Pins**

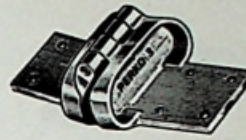
Features improved type of spring latch on bottom

**Fig. 180**

No.	Chromium Plated Each	Size Rail Inches	Length Overall Inches	Weight Pounds
1	\$9.25	2 3/8 x 1 3/8	5	3/4
2	9.85	2 7/8 x 1 1/4	5 1/2	1

**Fig. 185**

No.	Chromium Plated Each	Size Rail Inches	Length Overall Inches	Weight Pounds
1	\$8.85	2 3/8 x 1 3/8	5	1 1/8
2	9.45	2 7/8 x 1 1/4	5 1/2	1 1/4



**Hinge  
Fig. 180**



**Latch  
Fig. 185**

**TABLE BRACKETS — Fig. 148**

**18-8 Stainless Steel — Polished**

For removable tables in cabin or cockpit.

A pair of angle brackets attached to table and several pairs of wall plates mounted in cabin and cockpit allows placing of table as desired.

Angle bracket cannot jump out of wall plate when table leg is firmly placed on deck.

Per Set	Angle Brackets Only Per Pair	Wall Plates Only Per Pair
\$4.50	\$2.25	\$2.25

A set consists of 2 brackets and 2 plates.

Dimensions Angle Bracket Inches	Dimensions Wall Plate Inches	Weight Bracket Ounces	Weight Wall Plate Ounces
2 3/4 x 1 1/8	3 3/8 x 2	3	3



**Fig. 148**



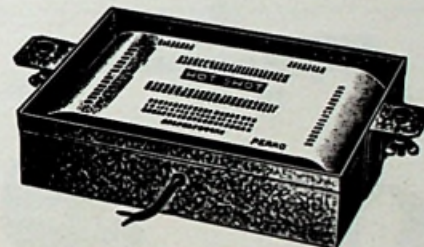
**BATTERY CONTAINER — Fig. 713**

**Galvanized Sheet Steel**

This container is designed for fastening to the under side of a seat, out of the way. It fits the 6 volt battery perfectly and has a rubber grommetted exit for the wires.

Supplied complete with two bronze 1/4" x 1 1/2" carriage bolts with wing nuts.

Each	Length Box Inches	Width Box Inches	Depth Box Inches	Weight Pounds
\$5.50	10 1/2	7 3/4	2 3/4	2 1/4



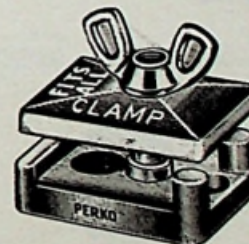
**Fig. 713**

**OUTBOARD GAS TANK CLAMPS — Fig. 1275**

**Zamak Die Casting**

Made to fit most gas tanks now in use, by turning the top portion 180 degrees it will fit tanks with the seam folded either vertically or horizontally.

Each	Length inches	Width inches	Weight Ounces
\$.65	1 1/2	1	2



**Fig. 1275**

**ALUMINUM RACING FIN — Fig. 189**

**Cast Aluminum**

Undrilled Each	Drilled Each	Length Overall Inches	Depth Blade Inches	Size Flange Inches	Weight Lbs.
\$3.60	\$4.00	9 1/4	5	2 3/8 x 9 1/4	1



**Fig. 189**

Drilled fin supplied unless otherwise specified.

**PERKO GRAB RAILS**

These streamlined grab rails are designed so the tubing does not pass through the post but fits snugly over an integral projecting part of the post. Hence, the post and tubing when assembled provide a smooth streamlined unit with no unsightly bulges.



Fig. 1207 End Posts  
Fig. 1208 Center Posts



Fig. 432 End Posts  
Fig. 432-A Center Posts

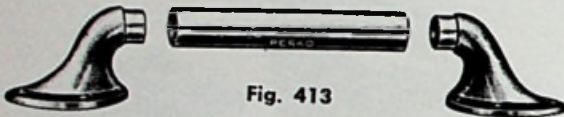


Fig. 413



Fig. 413-A Center Posts

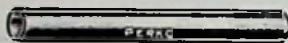
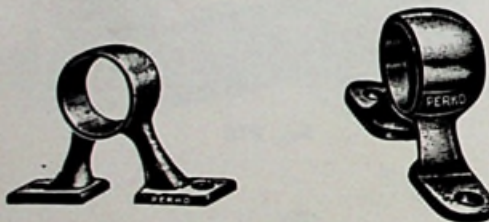


Fig. 498



Center

End

Fig. 215



Fig. 380

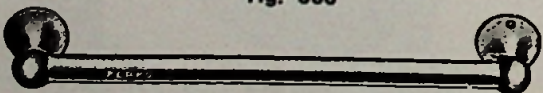


Fig. 379

**STREAMLINE GRAB RAIL POSTS — Figs. 1207 & 1208**

Zamak Die Castings — Chromium Plated —  
For 3/4 Inch O.D. 20 Gauge Brass Tubing

Fig.	Each	Height Overall Inches	Dimensions Base Inches	For Screw No.	Weight Each Ounces	Packed Per Box
1207	\$1.50	1 1/4	1 3/8 x 1 5/8	10	6 1/2	6
1208	1.35	1 1/4	1 1/2 x 1 1/8	10	5	6

**GRAB RAIL POSTS — Figs. 432 & 432-A**

Cast Bronze — Chromium Plated —  
For 5/8 Inch O.D. 22 Gauge Brass Tubing

Chromium Plated Each	Height Overall Inches	Dimensions Base Inches	For Screw No.	Weight Each Ounces	Packed Per Box
\$3.50	1 5/8	2 1/8 x 1 1/8	6	5	6

**GRAB RAIL POSTS — Figs. 413 & 413-A**

Cast Bronze — Chromium Plated —  
For 1 Inch O.D. 20 Gauge Brass Tubing

Chromium Plated Each	Height Overall Inches	Dimensions Base Inches	For Screw No.	Weight Each Ounces	Packed Per Box
\$4.75	2 1/4	3 x 2	8	10	6

**TUBING FOR GRAB RAIL POSTS — Fig. 498**

Brass — Chromium Plated

No.	Outside Diameter Inches	Length Feet	B & S Gauge	*Each	**Per Inch
1	5/8	6	22	\$ 7.50	\$.14
2	3/4	6	20	9.00	.16
3	1	6	20	11.40	.20

\*Applies to 6 foot lengths only.

\*\*Applies to lengths less than 6 feet. These are cut to order before plating. Not supplied in lengths longer than 6 feet. Large O.E.M. quantities, price on application.

**HAND RAIL SOCKETS — Fig. 215**

Cast Bronze

No.	Polished Bronze Each	Chromium Plated Each	For Diam. Rail Inches	Height Overall Inches	Size of Base Inches	Weight Ounces
1	\$3.20	\$3.60	1	1 3/4	3 1/2 x 3/4	5
2	4.00	4.50	1 1/4	2	3 3/4 x 3/4	9

Please specify whether center or end and size.  
Drilled for No. 10 screw.

**GRAB RAIL POSTS — Fig. 380**

Cast Bronze — Hollow

No.	Polished Bronze Each	Chromium Plated Each	Diameter Hole Inches	Height Overall Inches	Diameter Base Inches	Weight Pounds
1	\$4.25	\$ 4.65	1	3 3/8	2 1/2	3/4

Specify whether for center or end,  
Drilled for No. 10 screw.

**GRAB RAILS — Fig. 379**

Cast Bronze Posts — Brass Tubing

No.	Chromium Plated Each	Length Between Posts Inches	Diameter Tubing Inches	Diameter Base Inches
1	\$11.50	12	1	2 1/2
2	12.50	18	1	2 1/2

Longer Lengths, Add \$2.50 for Each Foot or Fraction Thereof.  
NOTE — Lengths longer than these listed above are made to order only and are not returnable. Not supplied in lengths longer than 6 feet.

**NEW PERKO BOW RAILS —**

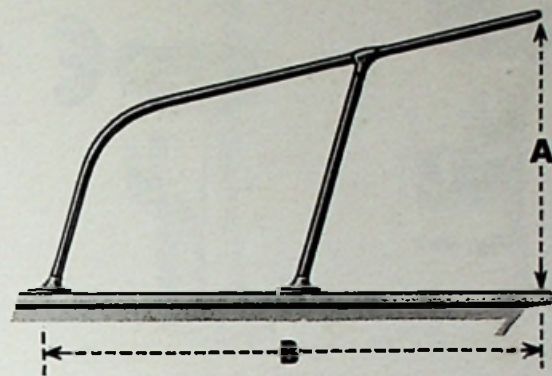
**18-8 Polished Stainless Steel Tubing — Non-Corrosive —  
Chromium Plated Forged Bronze Fittings —  
Non-Magnetic — Can Be Quickly Adjusted To Fit  
Almost Any Boat**

Smartly styled and beautifully finished, these sturdy new Perko Bow Rails are unmatched in ease and speed of installation. They can be fitted and secured on almost any boat in only a fraction of the time normally required with other types of rails.

Specially designed precision-made grooved joints eliminate the necessity for tapping and drilling. Merely insert the self-aligning stanchion in the socket and tighten a single set screw.

Rail Tee joints may be moved forward or aft and athwartship to accommodate boats of varying beam. Deck flanges may be rotated to compensate for sheer differentials and gain a flush fit.

Stanchions, with pre-pressed fit base flanges, assure maximum rigidity. Rails are made of 7/8 inch O.D. 18 gauge .049" stainless steel tubing. Forged bronze deck flanges are chromium plated and measure 2 5/8 inches in diameter and are drilled for 3 screws. Rail is shipped assembled ready to install.



866

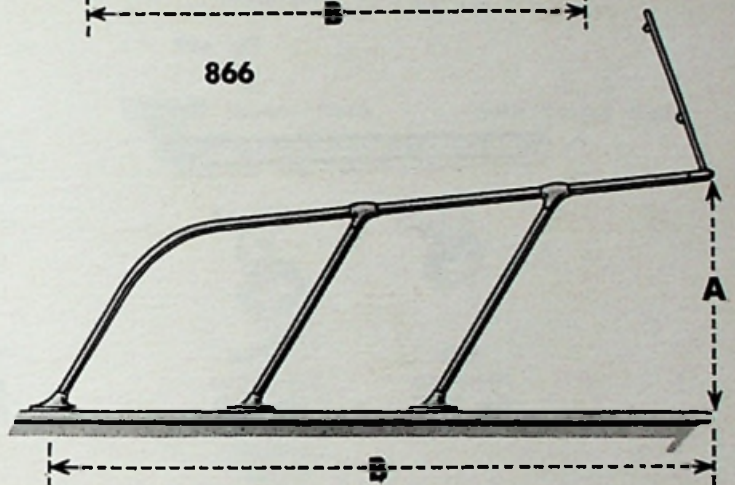


Fig 867

Fig. 866 has two stanchions.  
Fig. 867 has four stanchions.

Fig. 866 Dimensions and Prices (See Illustrations)

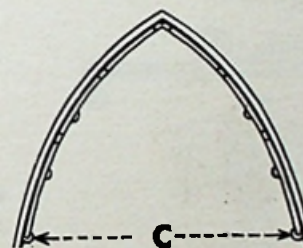
No.	Price Each	Dimensions at "A" Inches	Dimensions at "B" Inches	Dimensions at "C" Inches	Weight Pounds
1	\$72.00	14	54	65 - 71	8 1/2
2	84.00	30	54	65 - 71	10 1/2
*3	104.00	26	54	80 - 88	12
*4	107.00	26	60	84 - 92	12 1/2

\*Flag staff and socket included.

Fig. 867 Dimensions and Prices (See Illustrations)

No.	Price Each	Dimensions at "A" Inches	Dimensions at "B" Inches	Dimensions at "C" Inches	Weight Pounds
5	\$149.50	26	72	90 - 102	17
6	155.50	26	78	95 - 107	18
7	161.50	26	84	112 - 124	19

NOTE: Flag staff and socket is provided on all models of Fig. 867. It is standard with Nos. 3 & 4 of Fig. 866 and is available at additional cost with Nos. 1 & 2.



FLAG STAFF FITS IN HOLE AND SET SCREW HOLDS IN PLACE.

DECK FLANGES ARE PRE-DRILLED & COUNTERSUNK TO TAKE #10 OVAL HEAD WOOD SCREWS OR #10 OVAL HEAD MACHINE BOLTS #12 ON SPECIAL REQUEST.

PRE-PRESSED BASE FLANGE ASSURE MAXIMUM RIGIDITY.

STANCHIONS MAY BE SWUNG INBOARD OR OUTBOARD FOR CORRECT ALIGNMENT.

RAIL TEE JOINTS MAY BE MOVED FORWARD OR AFT.

STANCHIONS FIT INTO RAIL SOCKETS — LONGEST ONES FORWARD.

ALL BASE FLANGES WILL ROTATE ENABLING YOU TO ACHIEVE PERFECT DECK SEATING.

RAIL SOCKET

SET SCREWS SUPPLIED IN ENVELOPE

RAIL

SET SCREW GROOVE IN TOP OF STANCHION

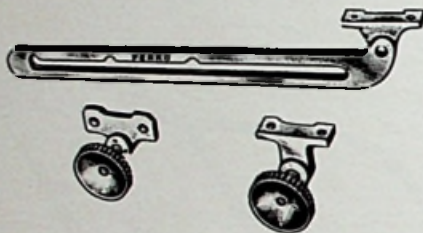
ALLEN WRENCH SUPPLIED IN ENVELOPE



Fig. 967



Fig. 697



Side Mounting  
Fig. 1290

Offset Mounting  
Fig. 1291

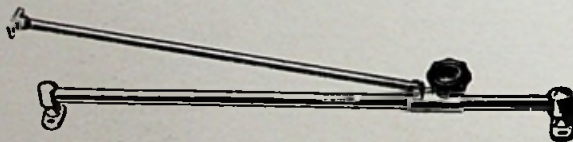


Fig. 360

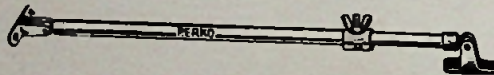


Fig. 1180



Port Side  
Fig. 82

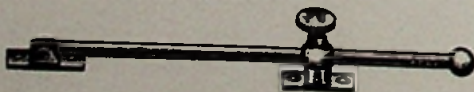


Fig. 1116

**NEW WINDSHIELD KEEPER OR HATCH FASTENER — Fig. 967**

Cast Bronze — Chromium Plated

Per Set	Base Of Keeper Inches	Base of Plate Inches	Length Bolt Inches	Weight Ounces
\$4.30	1 1/16 x 1	1 7/8 x 7/8	1 1/4	6

**WINDSHIELD KEEPER OR HATCH FASTENER — Fig. 697**  
Wrought Brass

Locks the windshield or hatch preventing rattles and assisting in keeping same watertight.

Bright Per Set	Chromium Plated Per Set	Base of Keeper Inches	Base of Plate Inches	Weight Ounces
\$2.10	\$3.25	1 1/2 x 5/8	1 1/2 x 3/4	3

A set consists of parts illustrated.

**WINDSHIELD ADJUSTERS — Figs. 1290 & 1291**  
Zamak Die Castings — Chromium Plated

Per Pair	Length Overall Inches	Length Adjustment Inches	Diam. Knob Inches	Weight Pounds
\$7.75	12	9 1/2	1 1/4	1 1/2

NOTE—When ordering 1/2 pair, specify whether for port or starboard side.

**"SKIPPER" WINDSHIELD ADJUSTER — Fig. 360**

All Brass — Chromium Plated —  
For Heavy Cruiser Windshields

Enables the skipper to adjust the windshield with one hand without leaving the wheel. The large bakelite knob is used for pushing, pulling, tightening or loosening in one operation.

Each	Length Base Overall Inches	Length Windshield Arm Inches	Length of Adjustment Inches	Weight Pounds
\$19.00	27 1/2	23	22 1/2	3 3/4

Special sizes to order, price on application.

**WINDSHIELD ADJUSTERS — Fig. 1180**

All Brass — Chromium Plated

A powerful non-slip grip keeps this adjuster in desired position.

Each	Length Closed Inches	Length Open Inches	Diam. Outside Tube Inches	Weight Ounces
\$9.50	12	21	1/2	10

**WINDSHIELD ADJUSTERS — Fig. 82**

Cast Bronze

No.	Polished Bronze Per Pair	Chromium Plated Per Pair	Length Overall Inches	Length Adjustment Inches
1	\$15.80	\$17.75	6 1/2	5
2	17.50	19.75	9	7
3	19.00	21.25	12	9 1/2

NOTE—When ordering 1/2 pair, specify whether for port or starboard side.

**WINDSHIELD ADJUSTERS — Fig. 1116**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Length Inches	Diam. Rod Inches	Weight Ounces
1	\$6.50	\$7.00	8	3/8	11
2	6.55	7.25	10	3/8	12
3	6.60	7.30	12	3/8	13

**HAND WINDSHIELD WIPERS — Fig. 533**

For Straight or Curved Windshields — Stainless Steel Extensible Arm and Blade Holder — Other Parts Bronze, Chromium Plated — Rustproof — Leakproof — With 12 Inch Blade

Nothing to get out of order, operates very smoothly by a flip of the wrist. The improved spring tension of the arm holds blade firmly against the glass.

The arm is extensible from 9 to 12 inches, spring tension is adjustable for best wiping pressure.

No. 1 Each	No. 2 Each	Length Overall Inches	Diam. Shaft Inches	Length Handle Inches	Weight Ounces
\$6.95	\$7.40	15 to 18	3/8	2 3/8	8

For thickness of wood up to 1 1/8 inches.

Spare Arm .....	\$2.00 each
Spare Straight Blade .....	.85 each
Spare Curved Blade .....	1.85 each

To prevent scratching Plexiglas, do not operate wiper on dry windshield.

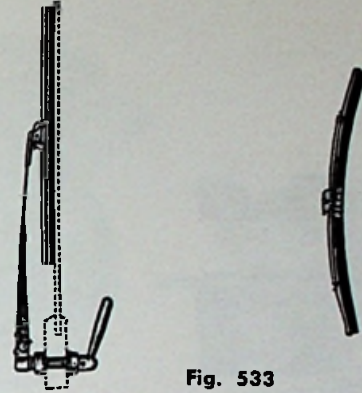


Fig. 533

No. 1 with Straight Blade

No. 2 with Curved Blade

**FENDER HOOKS — Fig. 547**

Galvanized Malleable Iron or Brass

No.	Galv. Each	Bright Brass Each	Chromium Plated Each	For Rope Diam. Inches	Size Plate Inches	Weight Ounces
1	\$.35	\$.55	\$.85	5/8	1 1/4 x 1 1/4	1 1/4
2	.65			1/2	2 1/4 x 1 3/4	2 3/4

No. 1 for No. 6 screw, packed 25 per box.

No. 2 for No. 8 screw, packed 10 per box.



Fig. 547



Fig. 1246

**FENDER HOOKS — Fig. 1246**

Zamak Die Casting — Chromium Plated

Chromium Plated Each	For Rope Diameter Inches	Size Plate Inches	For Screw No.	Packed Per Box	Weight Ounces
\$.55	3/8	1 3/4 x 1 1/4	6	25	1 1/4

**HATCH FASTENER OR WINDSHIELD KEEPER — Fig. 769**

All Brass

Speedy and simple operation by throwing the lever to fasten the hatch securely or open it quickly. Rod is threaded and lever has live rubber washer for adjustable tightness.

Plain Brass Each	Chromium Plated Each	Dimensions For Each Base Inches	Weight Ounces
\$4.25	\$5.50	1 1/2 x 5/8	4 1/2

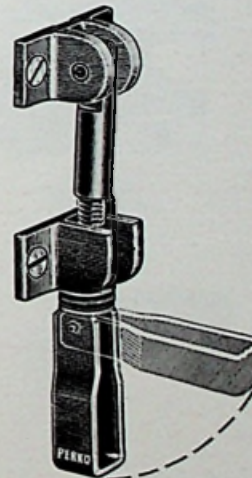


Fig. 769

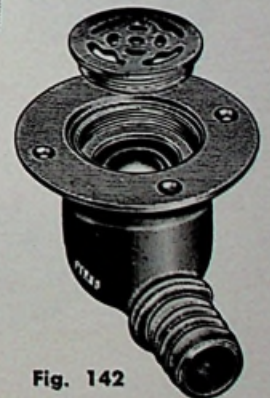


Fig. 142

**COCKPIT SCUPPER — Fig. 142**

Cast Bronze — With Rubber Ball — Back Water Check

Especially needed in sailboats when outlet is below the waterline.

Angle of outlet is 45 degrees.

No.	Plain Each	Chromium Plated Each	Diameter Flange Inches	Diameter Grate Inches	For Diam. Hose Inches	Weight Pounds
1	\$6.25	\$ 8.00	3 1/2	1 1/8	1	1 1/4
2	9.25	11.25	3 3/4	2 1/4	1 1/2	2

**IMPROVED PIPE DECK PLATES — Fig. 528**  
**Cast Bronze — With Key — I. P. S. Thread**

Top of flange has been beveled so edges fit as close to deck as possible. This improvement is especially desirable for fiber glass boats. Words "water," "gas," "oil" or "fuel" show in flange of all sizes except 3/4 inch when specified. Otherwise unmarked deck plates will be shipped. Note, markings are in flange instead of cap which makes it easy to identify opening when cap is removed.

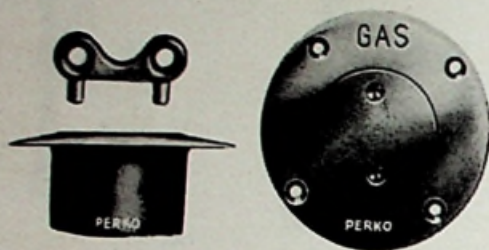


Fig. 528

Pipe Size Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Keys Only Each	Outside Diam. Plate Inches	Weight Pounds
3/4	\$ 3.30	\$ 4.65	\$ .25	2 3/8	1/2
1	3.65	5.00	.30	2 1/2	3/4
1 1/4	4.40	6.10	.30	3 1/8	3/4
1 1/2	5.25	6.95	.30	3 3/4	1
2	7.25	9.00	.45	4 1/2	1 1/2
2 1/4	9.75	11.50	.45	4 3/4	2
3	12.75	14.75	.55	5 1/2	2 1/2

Caps only, price is 50% of complete plate.

**REGULAR DECK PLATES — Fig. 526**  
**Cast Bronze — With Key**



Fig. 526

Diam. Opening Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Keys Only Each	Outside Diam. Plate Inches	Weight Pounds
1	\$ 3.00	\$ 4.35	\$ .30	2 1/2	1/2
1 1/2	3.55	5.25	.35	3 1/4	3/4
2	3.85	5.75	.35	3 3/8	3/4
2 1/2	5.25	7.00	.65	4 1/2	1
3	6.50	8.50	.65	4 3/4	1 1/2
3 1/2	8.00	10.00	.70	5 1/2	1 3/4
4	10.00	12.25	.70	5 3/4	2
5	14.00	16.50	.85	7 1/8	2 3/4
6	20.00	23.00	1.55	8 1/4	5
8	30.00	35.00	2.20	10 1/4	7

Caps only, price is 50% of complete plate.

**VENTILATOR DECK PLATES — Fig. 527**  
**Cast Bronze — Screw Type**



Fig. 527

Diameter Opening Inches	Machine Finish Each	Polished Bronze Each	Chromium Plated Each	Diameter Plate Inches	Weight Pounds
2	\$ 5.50	\$ 8.00	\$ 8.75	3 3/4	3/4
2 1/2	7.50	10.00	11.00	4 1/2	1 1/4
3	8.50	11.00	12.00	4 3/4	1 3/4
3 1/2	10.00	12.50	13.50	5 1/2	2
4	13.00	15.50	16.50	5 3/4	2 1/2
5	17.00	20.00	21.50	7 1/8	3 1/2
6	25.00	28.50	30.00	8 1/4	6 1/4
8	37.50	42.50	45.50	10 1/4	8 1/2

Complete with key and extra ring for cowl.

**SWIVEL DECK PLATES — Fig. 419**  
**Cast Bronze — For Cowl Ventilators**

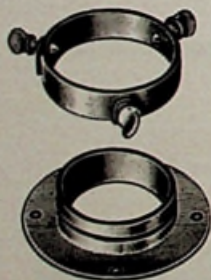


Fig. 419

For Size Ventilator Inches	Opening in Base Inches	Machine Finish Each
3	2 1/4	\$12.50
4	3 1/2	18.75
5	4 1/2	23.00
6	5	27.50
8	7	36.25
10	9 1/4	49.50

Permits cowl to be turned to any direction.

**DECK PLATE KEY — Fig. 826**  
**Cast Bronze — Adjustable To All Sizes Of Deck Plates — Improved Unbreakable Pins**

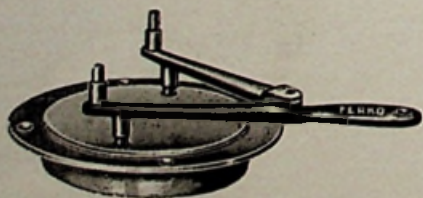


Fig. 826

Will fit all sizes of deck plates up to 8 inch diameter, making it unnecessary to have separate keys for each plate.

Each	Length Overall Inches	Weight Pounds
\$2.40	8 1/2	1



**FUEL TANK FILLER WITH SPLASH GUARD — Fig. 1276**  
**Zamak Die Casting — Chromium Plated**

Splash guard directs spilled fuel over the side. Cap is fitted with 15 inches of brass safety chain which runs through filler pipe.

Each	Inside Diameter Neck Inches	For Hose Inches	Length Neck Inches	Flange Dimensions Inches	Weight Ounces
\$5.25	1 5/8	1 7/8	3 1/4	4 x 4	11

**GAS TANK CAP — Fig. 1245**  
**With Deck Flange And 15 Inches Of Chain —**  
**Zamak Die Castings — Chromium Plated**

Each	Threaded for Pipe Inches	Height Overall Inches	Diam. Deck Flange Inches	For Screw No.	Weight Ounces	Packed Per Box
\$2.95	1 1/2	1 1/4	3 1/4	7	9 1/2	6

**GAS TANK CAP — Fig. 520**  
**Cast Bronze — Chromium Plated**

Each	Threaded for Pipe Inches	Height Overall Inches	Diam. Deck Flange Inches	For Screw No.	Weight Pounds
\$6.50	1 1/2	1 3/8	3 1/2	8	1

**NEW GAS TANK VENT — Fig. 531**  
**Cast Bronze**

Flange is beveled to hug the hull. The wire mesh screen is replaceable, held in by brass wire retainer ring.

Plain Each	Chromium Plated Each	Pipe Size Inches	Diam. Flange Inches	Length Neck Inches	Weight Ounces
\$2.25	\$3.25	3/8	2 1/2	1 1/2	5 1/2

**GAS TANK VENTS — Figs. 506 & 509**  
**Natural or Chromium Plated Finish**

Natural finish is desirable when fitting is to be painted to match color of hull or transom. Bronze wool screening guards against moisture and dirt. Threaded for 3/8 inch pipe size or can be used with 1/4 inch hose. Fig. 506 is Zamak Die Casting and Fig. 509 is Cast Bronze.

Fig.	Natural Finish, ea.	Chromium Plated, ea.	Max. Wood Thickness Inches	Weight Ounces
506	\$1.35	\$1.60	1 1/8	1 3/4
509	2.20	2.75	1 1/8	5 1/2

**GAS TANK VENTS — Figs. 503**  
**Cast Bronze — With Flanged Elbow —**  
**Bronze Wool Screen**

No.	Plain Each	Chromium Plated Each	Pipe Size Inches	For Wood Inches	Weight Ounces
1	\$2.60	\$3.25	3/8	1	5 1/2
2	2.60	3.25	1/2	1	5 1/2

**GASOLINE FUNNELS — Fig. 81**  
**Galvanized Sheet Metal —**  
**With No. 100 Mesh Bronze Removable Strainer**

No.	Each	Diam. Top Inches	Height Inches	Capacity Pints	Weight Ounces
1	\$2.80	6 3/4	7	1	6
2	3.30	8	8 1/2	2	8

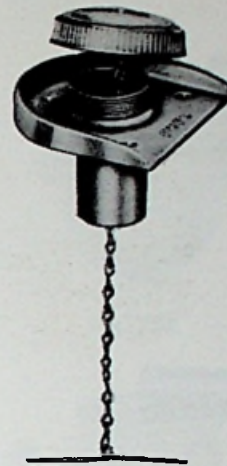


Fig. 1276

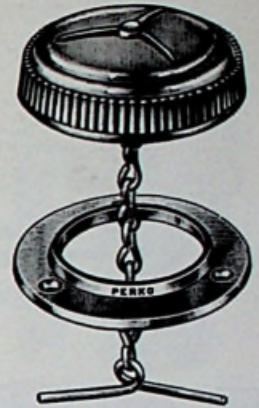


Fig. 1245

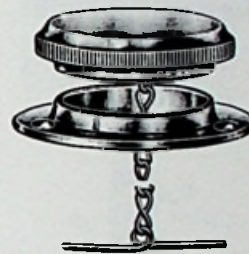


Fig. 520



Fig. 531

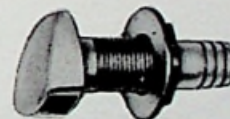


Fig. 506  
 Zamak Die Casting  
 Fig. 509  
 Cast Bronze

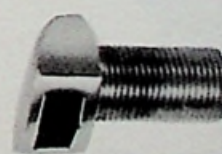


Fig. 503



Fig. 81

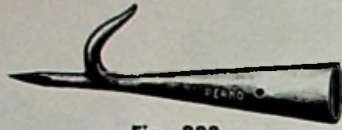


Fig. 223

**BOAT HOOKS — Fig. 223**

**Sharp Points — Galvanized Malleable Iron**

Size No.	Galvanized Each	For Diam. Pole Inches	Extreme Length Inches	Weight Ounces
0	\$1.65	1	7 $\frac{1}{4}$	8
1	1.80	1 $\frac{1}{4}$	8 $\frac{1}{4}$	12
2	2.45	1 $\frac{1}{2}$	9 $\frac{1}{2}$	16



Fig. 224

**BOAT HOOKS — Fig. 224**

**Ball Points — Galvanized Malleable Iron or Bronze**

Size No.	Galvanized Each	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	For Diam. Pole Inches	Extreme Length Inches	Weight Ounces
3 $\frac{1}{2}$		\$2.45	\$4.35	\$4.90	1	7 $\frac{3}{8}$	9
4	\$2.40	2.90	4.60	5.20	1 $\frac{1}{4}$	8 $\frac{1}{4}$	12
5	2.50	3.25	5.50	6.25	1 $\frac{1}{2}$	9 $\frac{3}{8}$	18

NOTE—Pole end is measured by outside diameter to fit flush with surface of pole.

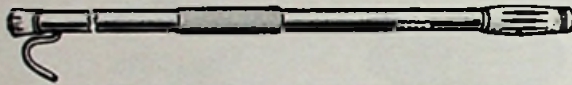


Fig. 226

**LIGHTWEIGHT BOAT HOOK — Fig. 226**

**Aluminum — White Rubber Grips — Rubber Bumper**

This boat hook will float if dropped overboard. Has a strong wide hook for quick grab, rubber bumper for pushing.

Length Overall Feet	Each	Diameter Pole Inches	Weight Pounds
5	\$6.95	1	1 $\frac{1}{2}$
6	7.60	1	2
7	8.25	1	2 $\frac{1}{2}$

Special lengths made to order, price on application.

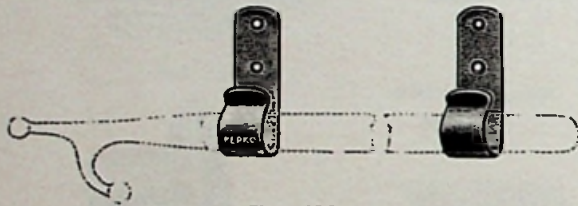


Fig. 490

**BOAT HOOK HOLDERS — Fig. 490**

**Spring Brass**

Will accommodate poles up to 1 $\frac{1}{2}$  inch in diameter, and hold them firmly in place.

Chromium Plated Per Pair	Length Inches	Width Inches	For Screw No.	Packed Per Box	Weight Ounces
\$2.00	3 $\frac{1}{2}$	1	6	12 pr.	1 $\frac{1}{2}$

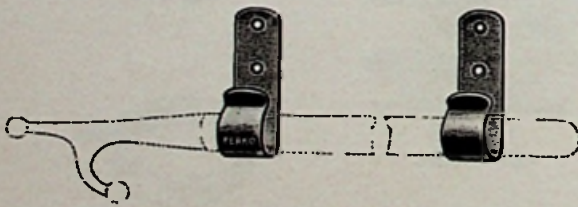


Fig. 492

**BOAT HOOK HOLDERS — Fig. 492**

**18-8 Stainless Steel — Polished**

Will accommodate poles up to 1 $\frac{1}{2}$  inch in diameter, and hold them firmly in place.

Per Pair	Length Inches	Width Inches	For Screw No.	Packed Per Box	Weight Ounces
\$1.10	3 $\frac{1}{2}$	1	6	12 pr.	1 $\frac{1}{2}$

**"HOLDALL" SPRING CLAMPS — Fig. 502**

**18-8 Stainless Steel — Polished**

Excellent for stowing fishing rods, boat hooks, oars, swab, broom, flashlight, flagstaff, pump, etc.

No.	Per Pair	Adjustability Inches	Length From Wall Inches	Width of Metal Inches	For Screw No.	Weight Per Pair Ounces
1	\$ .90	$\frac{5}{8}$ to 1 $\frac{1}{4}$	1 $\frac{1}{2}$	$\frac{1}{2}$	6	2
2	1.10	1 to 1 $\frac{3}{4}$	2 $\frac{1}{4}$	$\frac{3}{8}$	6	2 $\frac{1}{2}$

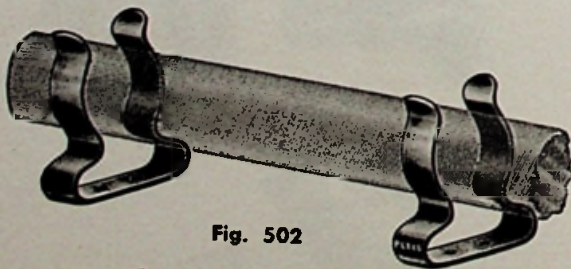


Fig. 502

**"HOLDALL" SPRING HOLDERS — Fig. 525**

**No. 316 Stainless Steel — Non-Corrosive Stainless Steel Spring — Brass Rivet**

These are especially made for marine use. Not to be confused with the ordinary hardware store variety.

Each	Spread Inches	Length From Wall Inches	Weight Ounces
\$ .95	up to 1 $\frac{1}{4}$	2 $\frac{3}{8}$	1



Fig. 525

**SEAGOING ASH TRAY — Fig. 795**  
**All Brass — Chromium Plated**

This item features a tapered, slotted wall plate which enables the tray to be easily removed for emptying. Swing mount keeps tray steady as boat rolls. Notches in removable rim grip cigarettes.

Each	Dimensions Mounting Plate Inches	Overall Height Inches	Weight Ounces
\$5.00	1 3/4 x 1 1/4	3	5 3/4



Fig. 795

**CAN AND GLASS HOLDERS — Fig. 799 & 804**  
**Swinging Type — All Brass — Chromium Plated**

Fig. 804 holds 12 ounce beer cans or straight sided glasses.

Fig.	Each	Size Mounting Plate Inches	Inside Diam. Ring Inches	Weight Ounces
799	4.75	1 3/4 x 1 1/4	2 3/4	3 1/2
804	5.00	1 3/4 x 1 1/4	2 3/4	5

Spare Mounting Plates, \$1.75 each.

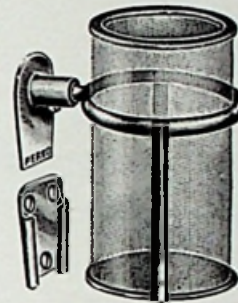


Fig. 804  
 Beer Can Holder

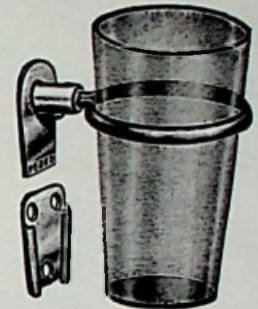


Fig. 799  
 Glass Holder

**NEW ELECTRIC CIGARETTE LIGHTER — Fig. 236**  
**Chromium Plated — 12 Volt**

Wind proof and moisture resistant.

Each	Flange Diameter Inches	Length Under Flange Inches	Length Above Flange Inches	Weight Ounces
\$5.95	2 1/8	2	1 1/2	4 1/2

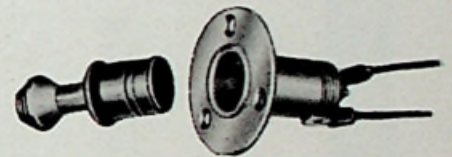


Fig. 236

**"NEPTUNE" MARKED LEAD LINES — Fig. 190**  
**With Vinylite Plastic Markers — 5/16 Inch Diameter — Italian Hemp Line**

Instead of the old cryptic markings, this line makes use of colored plastic markers printed with numerals in contrasting colors. These markers are soft and resilient, unaffected by salt, grease, oil and sunlight. The Neptune Line was widely used during the war by the Navy, Army and U. S. Maritime Commission. It is also used by skin divers with a float to mark the depth of a dive.

Length Fathoms	Each	Length Fathoms	Each
7	\$ 8.00	25	\$18.25
10	9.65	30	21.50
15	13.00	40	28.50
20	15.25	50	35.50

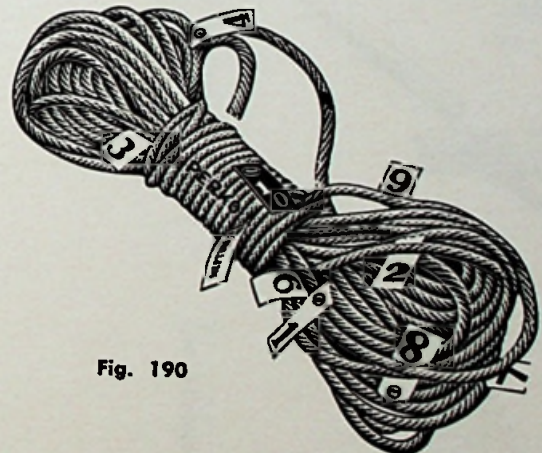


Fig. 190

NOTE: Markings up to 10 fathoms inclusive marked every fathom and half fathom, the latter indicated by a yellow strip. Longer lines marked according to Navy standard . . . i.e. 2-3-5-7-10-13-15-17-20 fathoms and every 5 fathoms thereafter.

**SOUNDING LEADS — Fig. 940**

All weights from 2 to 10 pounds inclusive carried in stock.

PER POUND — \$ .75



Fig. 940

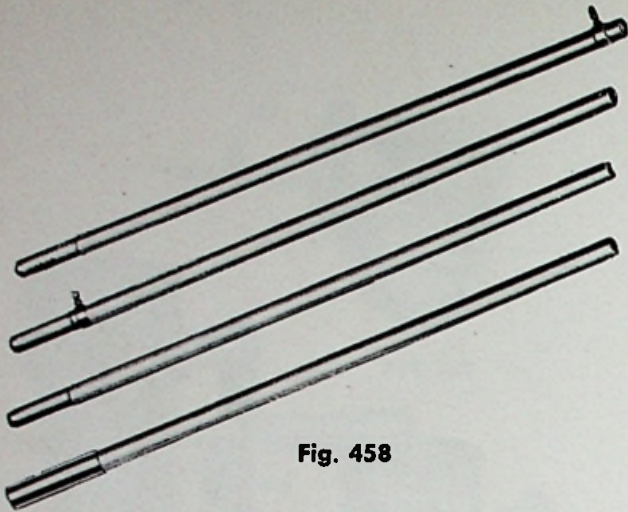


Fig. 458



Fig. 460

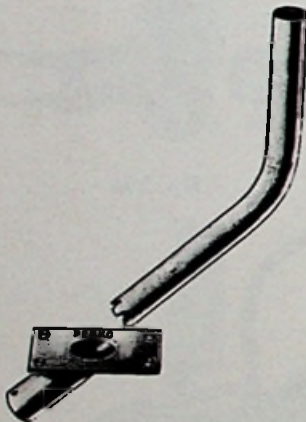


Fig. 451

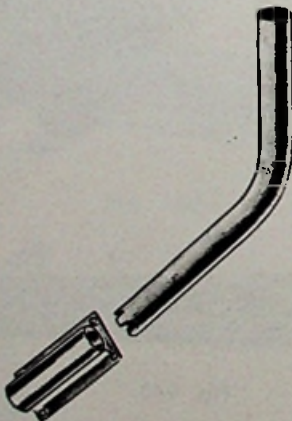


Fig. 444

### IMPROVED ALUMINUM OUTRIGGER POLES — Fig. 458 Anodized Aluminum — Lightweight

Each 4 foot section of this improved model features a tapered end for quick assembly and disassembly. The snug fitting joints assure strength and rigidity. Butt end has plastic bushing for tight fit into pole holder and to guard against electrolysis. Two adjustable guide rings are provided.

No.	Per Pair	Butt Diam. Inches	Overall Length	Weight Per Pair Pounds
1	\$40.00	1 1/8	15' 3"	5 1/2
2	40.00	1 1/4	15' 3"	5 3/4

### FIBER GLASS OUTRIGGER POLES — Fig. 460 Telescopic — Hollow — Tapered — Reinforced Joints

This sturdy model is impervious to heat, cold, moisture and sun. The 4 sections close to 50 inches and each section is fully tapered. Joints are reinforced to prevent splitting. They bind together tightly yet are easily disengaged. Base and tip are equipped with plugs.

No.	Per Pair	Diameter Base Inches	Overall Length Open Feet	Weight Pounds
3	\$39.95	1 1/8	16	1 1/4

Note: Replacement section available, \$6.00 per section. Specify section required. Refer to top section as No. 1, etc.

### OUTRIGGER POLE HOLDERS — Fig. 451 For Flush Mounting in Deck — Bronze — Chromium Plated

Lift holder and turn for 3 different positions, vertical, fishing and lowered for bridges.

No.	Complete Per Pair	Spare Holders Only Each	Inside Diameter Tube Inches	Dimensions Plate Inches	Weight Per Pair Pounds
1	\$34.50	\$ 7.00	1 1/8	5x2 1/2	5 1/2
2	37.00	9.50	1 1/4	5x2 1/2	5 3/8
3	42.50	12.50	1 3/8	5x2 1/2	6 3/4

A pair consists of 2 plates and 2 holders.  
Spare "Holders Only" Specify Port or Starboard

### OUTRIGGER POLE HOLDERS — Fig. 444 For Side Mounting — Bronze — Chromium Plated

For 3 different positions, outboard for fishing, inboard and aft.

No.	Complete Per Pair	Spare Holders Only Each	Inside Diameter Tube Inches	Dimensions Plate Inches	Weight Per Pair Pounds
1	\$36.50	\$ 7.00	1 1/8	5x2 1/2	5 1/2
2	39.00	9.50	1 1/4	5x2 1/2	6
3	46.50	12.50	1 3/8	5x2 1/2	7

A pair consists of 2 plates and 2 holders.  
Spare "Holders Only" Specify Port or Starboard

**COMBINATION FISHING POLE AND OUTRIGGER HOLDERS — Fig. 449**  
All Brass — Chromium Plated

Adaptable to any desired part of the boat, this holder is easily removed when not in use leaving no projecting hardware

Complete Each	Spare Mounting Brackets Each	Inside Diameter Holder Inches	Dimensions Mounting Bracket Inches	Weight Complete Pounds
\$13.00	\$3.50	1 1/8	4x3 3/4	2

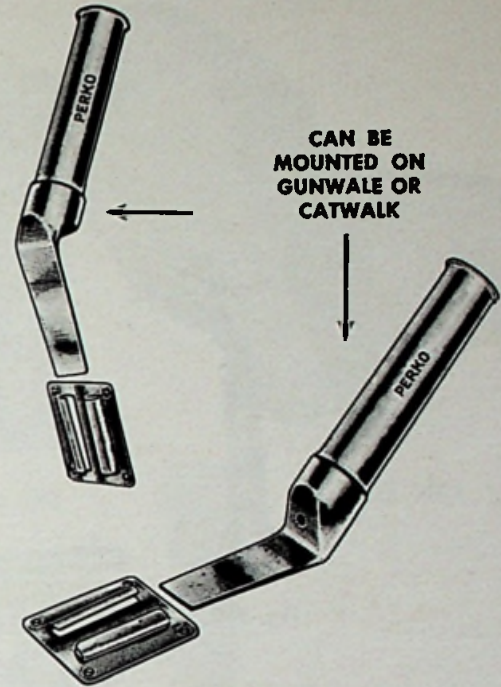


Fig. 449

**FISHING POLE HOLDERS — Fig. 1100**  
All Brass — Chromium Plated —  
Or All Aluminum — Polished

No.	Complete Each	Brackets Only Per Pair	Inside Diam. Inches	Length Overall Inches	Width Brackets Inches	Wt. Oz.
1 Aluminum	\$3.75	\$1.40	1 1/8	8 3/4	3 3/8	5 1/2
2 Brass, C.P.	5.00	2.25	1 1/8	9	3	16

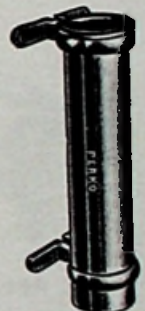


Fig. 1100

**VINYL FISHING POLE HOLDER — Fig. 1104**

This attractive, new Perko fishing pole holder is both practical in use and economical to buy. It is made of long lasting, tough, rigid vinyl tubing which is a neutral grey color. Two anodized aluminum brackets keep the holder firmly in place and provide for easy installation.

Each	Length Overall Inches	Inside Diameter Inches	Outside Diameter Inches	Width Bracket Inches	Weight Ounces
\$3.50	9	1 3/4	2	3 1/4	12



Fig. 1104

**FLUSH MOUNTING FISHING POLE HOLDER — Fig. 448**  
Cast Bronze — Chromium Plated

For flush mounting in covering board or catwalk. Has Poly-vinyl liner. Nos. 1 & 3 have heavy brass tubing braised into flange. No. 2 is all one piece cast bronze.

No.	Chromium Plated, ea.	Inside Diameter Inches	Length Overall Inches	Flange Dimensions Inches	Weight Pounds
1	\$ 8.00	1-7/8	9	4 x 3 1/8	1 1/2
2	9.80	1-3/4	9	4 x 3 1/8	2 1/2
3	12.00	2-3/32	11	5 1/8 x 4	2 1/4

Note: Subtract 3/16 from above dimensions to allow for liner.

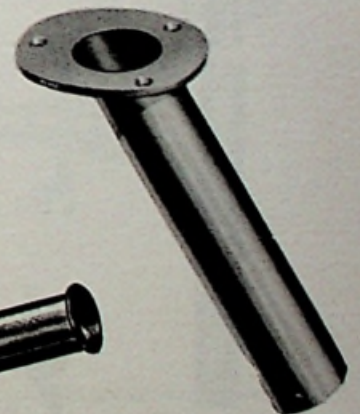


Fig. 448

**ADJUSTABLE OUTRIGGER POLE HOLDERS — Fig. 475**  
Heavy Brass Tubing — Manganese Bronze Castings

May be adjusted quickly to any desired angle or position vertically and horizontally. Locked by large thumb bolt illustrated.

Plain Finish Each	Chromium Plated Each	Inside Diam. Socket Inches	Length Socket Inches	Dimensions Base Inches	Weight Pounds
\$16.00	\$24.50	1 1/8	9 1/2	3 3/4 x 2 1/4	3 3/4



Fig. 475

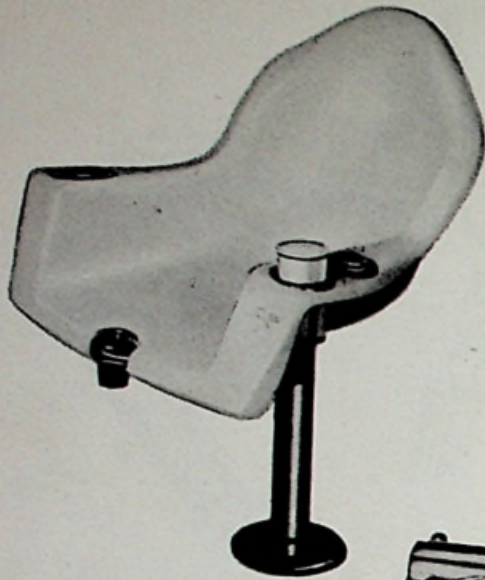


Fig. 598

**NEW FIBER GLASS FISHING CHAIR — Fig. 598**  
**With Bronze Pedestal — All Metal Parts Chromium**  
**Plated — Chair Is Lustrous White**

Right arm contains flush rod socket Fig. 448. Left arm contains ash tray and beer can holder. Front center of seat contains gimballed rod socket for fighting fish. Pedestal is demountable with cover for deck flange when chair is removed.

Each	Height of Seat Inches	Dimensions of Seat Inches	Height Back Above Seat Inches	Weight Pounds
\$147.00	18	17 x 16	16	22½

Height Of Seat May Be Reduced By Cutting The Pedestal.

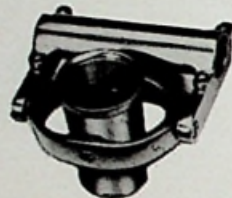


Fig. 558

**GIMBAL FISHING ROD SOCKETS — Fig. 558**  
**Cast Bronze — Chromium Plated**

Made especially for clamping to tubular aluminum chairs.

Each	Diameter Pole Socket Inches	For Diameter Tubing Inches	Width Overall Inches	Weight Pounds
\$18.75	1⅝	1	4½	1¾



Fig. 481

**GIMBAL FISHING ROD SOCKETS — Fig. 481**  
**Aluminum — Bright Etch Finish**

For attaching to chairs, seats, benches, etc.

Each	Inside Diameter Pole Socket Inches	Length Brackets Inches	Depth Socket Inches	Weight Ounces
\$6.00	1¾	2½	2¾	7

A pair of aluminum "U" bolts for attaching above socket to tubular chairs is available. Specify Fig. 481-A \$1.25 per pair.

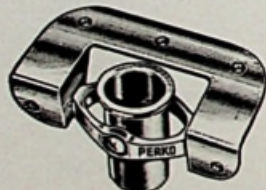


Fig. 560

**GIMBAL FISHING ROD SOCKETS — Fig. 560**  
**Cast Bronze**

A heavy duty free swinging socket for attaching to fishing chairs.

Polished Bronze Each	Chromium Plated Each	Diameter Socket Inches	Dimensions Plate Inches	Weight Pounds
\$14.25	\$15.50	1⅝	6¾ x 3¼	2½

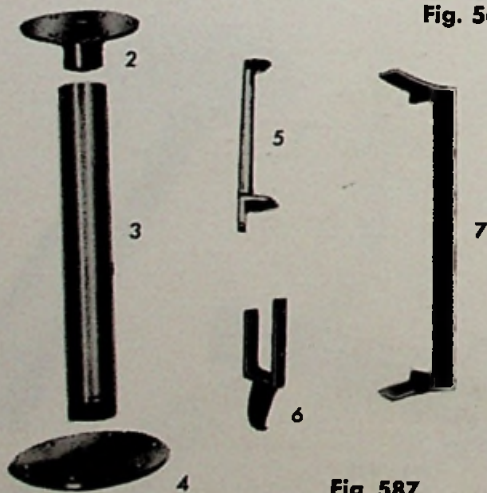


Fig. 587

**BRONZE HARDWARE FOR WOOD FISHING CHAIRS — Fig. 587**

No.	Description	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Used Per Chair	Weight Pounds
2	Under-Seat Flange	\$6.95			1	2½
3	Pedestal—2 Inch Pipe		\$14.00	\$17.00	1	5¼
4	Deck Flange Complete		14.00	15.00	1	3¾
5	Arm Supports		4.50	5.00	4	7½
6	Back Rest Sockets		3.80	4.10	2	½
7	Back Rest Brace		9.00	10.00	1	2

**POLYVINYL LINERS  
FOR FISHING POLE HOLDERS — Figs. 486 & 487**

Made of tough, long lasting polyvinyl, these new liners are abrasion resistant and impervious to salt water, oil and weather. Fig. 486 is designed to fit Perko Pole Holders (Figs. 449, 475 and 1100). Fig. 487 is available in three sizes to fit Perko De Luxe Pole Holders (Fig. 448).

Fig.	Size No.	Each	Inside Diameter Inches	Outside Diameter Inches	Length Inches	Weight Ounces
486		\$1.10	1-11/16	1-7/8	8 1/2	4 1/4
487	1	1.10	1-11/16	1-7/8	8 1/4	4 1/4
487	2	1.05	1- 9/16	1-3/4	8 5/8	3 1/2
487	3	1.55	1-29/32	2-3/32	10 3/8	5 3/4



Fig. 486



Fig. 487

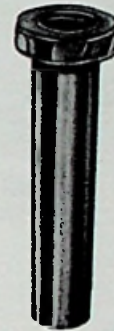


Fig. 648

**RUBBER LINERS  
FOR FISHING POLE HOLDERS — Fig. 648**

Each	Length Inches	Outside Diameter Inches	Inside Diameter Inches	Weight Ounces
\$1.85	9	1 3/4 to 2	1 1/2 to 1 3/4	6 1/2

**FISHING ROD RACKS — Figs. 591 & 592  
18-8 Stainless Steel Rods — Protected by  
Rubber Inserts in Clamp**

Made to hold 4 rods. Fig. 592 is flexible to fit curve of bulk-head. Space behind is useful to store charts, rules, protractors, etc.

Fig.	Per Pair	Length Overall Inches	Weight Per Pair Ounces
591	\$7.95	12	5
592	8.95	15	6



Fig. 591



Fig. 592

**SWORD FISH DARTS — Fig. 805  
Cast Bronze — Point Ground and Sharpened**

Plain Each	Length Inches	Weight Ounces	Packed Per Box
\$1.35	5	5	12



Fig. 805

**DART SHANKS — Fig. 655  
Iron Shank — Cast Bronze Socket**

Length overall, 24 inches; Weight, 1 1/4 pounds.

Complete Each	Shank Only Each
\$3.75	\$.75

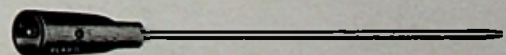


Fig. 655

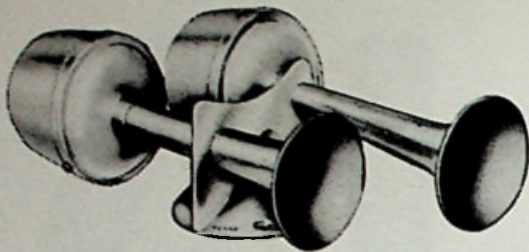


Fig. 614

**"DUO-TONE" ELECTRIC HORNS — Fig. 614**  
Chromium Plated — 12 Volts

This compact pair of Perko brass horns is attractively mounted on a single Zamak base. They produce a fine matched tone with remarkable audibility. Inexpensive and smartly styled, they are ideal for popular sized boats.

Per Pair	Overall Length Inches	Height Overall Inches	Base Diameter Inches	Weight Pounds
\$22.00	10½	2⅝	3½	1⅝

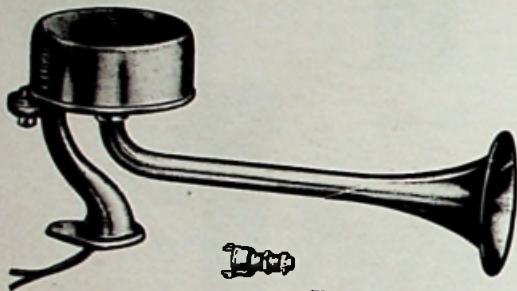


Fig. 576

**"SEA TONE" HORN — Fig. 576**

All Brass — Chromium Plated — Watertight Weatherproof — Resonating — 6, 12, 32 or 110 Volts — 2 Mile Range

A horn manufactured for marine use. It has great volume and distinctive tone. It answers the demand for a high quality marine horn that can be heard at great distance and stand the arduous test of use on salt water.

Supplied complete with heavy duty push button and 16 feet of cable in two eight-foot lengths.

Volts	Each	Extreme Length Inches	Extreme Height Inches	Weight Pounds
6	\$94.50	19	8½	6½
12	94.50	19	8½	6½
24	94.50	19	8½	6½
32	94.50	19	8½	6½
110 D.C. or A.C.	114.00	19	8½	6½

110 Volt, specify A.C. or D.C.

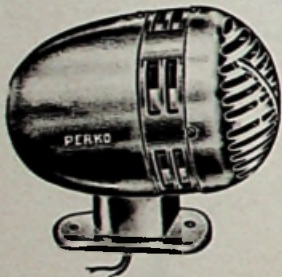


Fig. 1117

**RELAYS — Fig. 273**

Available if required in 6 or 12 volts. Each — \$2.25

**"SEA-MITE" MARINE SIREN — Fig. 1117**

Die Cast Body and Base — Chromium Plated — 6, 12 or 32 Volts

A siren of fine tone quality, dependability and performance. Furnished complete with 10 feet of cable and heavy duty push button.

6 Volt Each	12 Volt Each	Length Inches	Height Inches	Diam. Inches	Weight Pounds
\$51.75	\$51.75	7	6	4½	4¼

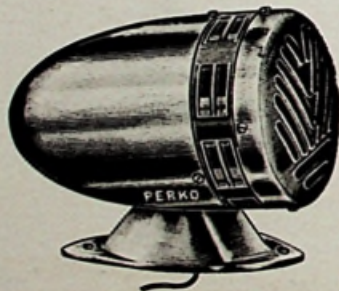


Fig. 1118

**"YACHTSMAN" MARINE SIREN — Fig. 1118**

Heavy Duty — Die Cast Body and Base — Chromium Plated — 6, 12 or 32 Volts

Producing a commanding, ear-piercing tone that can be heard for miles, this siren has a special motor for economical operation. Equipped with grease sealed ball bearings. Furnished complete with long cable and heavy duty push button.

6 Volt Each	12 Volt Each	32 Volt Each	Length Inches	Height Inches	Diam. Inches	Weight Pounds
\$90.00	\$91.75	\$97.00	10¼	7½	5¼	10



Fig. 978

**WATERTIGHT PUSH BUTTON — Fig. 978**

Cast Bronze

With nickel silver springs, platinum contacts, rubber gaskets and pig skin cap over button, with screws.

Polished Bronze Each	Chromium Plated Each	Diam. Base Inches	Weight Ounces
\$7.50	\$9.50	2⅝	6



Fig. 275

**HORN PUSH BUTTON — Fig. 275**

Brass — Chromium Plated — Bakelite Button and Interior

Chromium Plated Each	Length Overall Inches	C to C Holes Inches	Diam. Inches	Weight Ounces
\$1.10	2⅝	2¼	1½	1



**BRASS FOG BELLS — Fig. 159**

With Removable Bracket — Pressed Bell Metal

Diameter Inches	Plain Brass Each	Polished Brass Each	Chromium Plated Each	Height Overall Inches	Weight Pounds
6	\$6.00	\$ 7.50	\$ 8.50	4	1
8	9.50	11.00	12.75	5	2 1/2
Wall Plate Only	.80	.95	1.20		
Arm Only	1.25	1.70	2.00		
Clapper Only	1.25		1.75		
Eye Bolt Only	1.25		1.50		



Fig 159

**FOG BELL WITH YOKE — Fig. 183**

Pressed Bell Metal — For Horizontal Mounting

Diameter Inches	Plain Brass, ea.	Polished Brass, ea.	Chromium Plated, ea.	Overall Height Inches	Weight Pounds
6	\$ 9.00	\$11.00	\$13.00	5 1/8	1 5/8
8	12.75	15.50	17.50	7 1/4	2 7/8



Fig. 183

**CAST BRONZE FOG BELLS — Fig. 420**

Medium Weight — With Removable Bracket

Diameter Inches	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Weight Pounds
6	\$19.00	\$21.50	5	4
8	31.25	34.00	6 1/8	8

Wall Plate Only

6	\$2.65	\$3.25	2 1/2	1/3
8	2.65	3.25	2 1/2	1/3



Fig. 420

**CAST BRONZE FOG BELLS — Fig. 150**

Heavy Weight — With Removable Bracket

Diameter Inches	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Weight Pounds
8	\$ 39.00	\$ 44.00	8	10
10	70.00	78.00	10 1/2	22
12	103.00	114.00	12	38

Wall Plate Only

8	\$2.65	\$3.25	2 1/2	1/3
10	5.00	5.60	3 3/4	1
12	5.00	5.60	3 3/4	1



Fig. 150

**FOG HORNS — Fig. 162**

Galvanized Steel or Brass

Length Overall Inches	Galvanized Steel Per Dozen	Polished Brass Per Dozen	Weight Per Dozen Pounds
15	\$36.00	\$51.00	5

Packed 1 dozen per box.

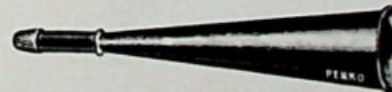


Fig. 162

**TRIPLEX MOTOR BOAT WHISTLE — Fig. 167**

Plastic

Per Dozen	Length Overall Inches	Width Overall Inches	Weight Per Dozen Pounds
\$5.76	6	1 3/4	1

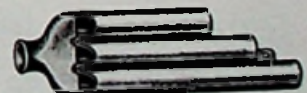


Fig. 167

**POLICE OR SIGNAL WHISTLE — Fig. 349**

Brass — Nickel Plated

Per Dozen	Length Inches	Width Inches	Weight Per Doz. Ounces
\$17.40	2	3/4	17



Fig. 349

**FOLDING BOARDING LADDERS — Fig. 557**  
**Mahogany With Cast Bronze Fittings**

Made of high quality mahogany, varnished. Supplied complete with plates for hanging and polished bronze or chromium plated fittings.

- No. 1 Closed 2 steps — Open 4 steps.
- No. 2 Closed 3 steps — Open 6 steps.

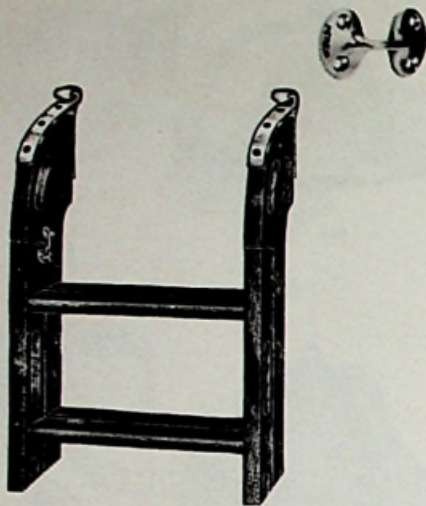


Fig. 557

No.	With Polished Bronze Fittings Each	With Chromium Plated Fittings Each	Overall Length Open Inches	Overall Length Closed Inches	Overall Width Inches	Weight Pounds
1	\$66.00	\$72.00	36	21½	15	9½
2	68.50	74.50	51	30	15	12½

**SPARE PARTS —** Hooks and hanging plates, see Fig. 717. Hinges, see Fig. 556. Cabin door hooks, see Fig. 956 — 1½ inch size.

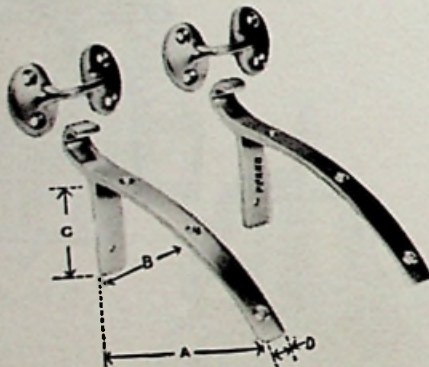


Fig. 717

**LADDER HOOKS — Fig. 717**  
**For Folding Boarding Ladders — Cast Bronze**

Used on our Fig. 557 folding boarding ladder. Designed for wide woodwork.

A Inches	B Inches	C Inches	D Inches	Length Curved Arm Inches	Size Plate Inches	Weight Per Set Pounds
6½	4	2½	¾	7	2½x3¼	2½
Complete			Plates Only			
Polished Bronze Per Set		Chromium Plated Per Set		Polished Bronze Per Pair		Chromium Plated Per Pair
\$16.50		\$18.50		\$5.25		\$6.25

**LADDER LOCKS — Fig. 669**  
**For Companionway or Upper Berth — Cast Bronze**

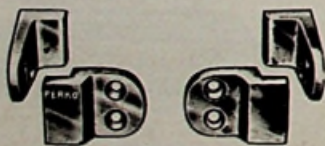


Fig. 669

Height Inches	Length Socket Inches	Length Bracket Inches	Weight Per Set Ounces
1½	1	1¾	12
Complete		Spare Sockets Only	
Plain Bronze Per Set	Chromium Plated Per Set	Plain Bronze Per Pair	Chromium Plated Per Pair
\$2.75	\$6.00	\$1.75	\$2.80

A set consists of four pieces illustrated.

**STANDARD FOLDING STEP — Fig. 543**  
**For Cockpit or Companionway — Aluminum Frame,**  
**Hinges and Brackets — Varnished Mahogany Step**

Also serves as small folding table in cockpit, for ash-trays, drinks, etc.

Each	A Inches	B Inches	C Inches	Weight Pounds
\$16.00	8	9	14	3

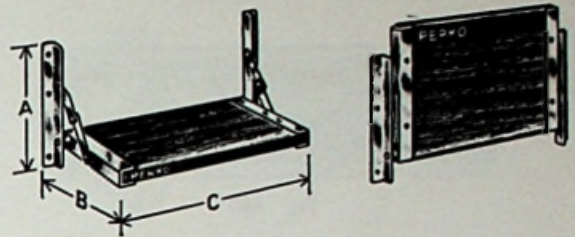


Fig. 543

**DE LUXE FOLDING STEP — Fig. 602**  
**For Cockpit or Companionway — Solid Mahogany — Spar**  
**Varnished — With White Rubber Step Pad**

Supplied complete with hinge and strong folding brackets, all brass, chromium plated.

Complete Each	Spare Folding Brackets Per Pair	Dimensions Step Inches	Thickness Step Inches	Weight Pounds
\$28.50	\$15.00	13 3/4 x 9	3/8	5 1/2



Fig. 602

**BOARDING STEPS — Figs. 351 & 501**  
**Cast Bronze**

Designed for mounting on transom, permitting easy access to or from the water or for mounting on bulkhead for climbing to the flying bridge.

All high spots are polished.

Fig.	Plain Bronze Each	Chromium Plated Each	Dimensions Of Step Inches	Dimensions Mounting Bracket Inches	Weight Pounds
351	\$4.25	\$ 5.75	6 x 4 1/4	6 x 2	1 5/8
501	9.00	11.50	11 x 4 1/2	11 x 2	2 7/8

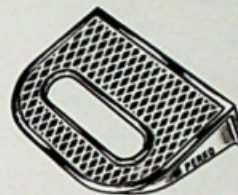


Fig. 351

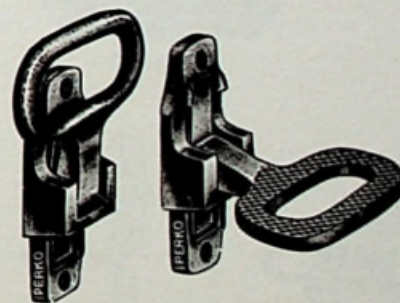


Fig. 501

**FOLDING STEP — Fig. 344**  
**Manganese Bronze — Stainless Steel Spring**

For mounting on hull or transom, folds up out of way when not in use. Spring holds step in position.

Plain Bronze Each	Chromium Plated Each	Size Step Inches	Size Base Inches	Extends Folded Inches	Weight Pounds
\$4.25	\$8.50	4x2	4 1/4 x 1 3/4	7/8	1 1/2



FOLDED

OPEN

Fig. 344

**FOLDING STOOLS — Fig. 1009**  
**Varnished Seat — Cast Bronze Bracket**

No.	Each	Diam. Seat Inches	Projection Inches	Length Bulkhead Bracket Inches	Weight Pounds
1	\$15.00	12	12 3/4	11	7
2	16.00	14	15	11	8



Fig. 1009

**NYLON COVERED TILLER ROPE — Fig. 760**  
**7x8 Aircraft Cable — Very Flexible**



Fig. 760

The nylon coating cushions the wires against abrasion and protects them against oils, detergents, alkalis and oxidizing acids.

Outside Diameter Inches	Per 100 Feet	Core Diameter Inches	Breaking Strength Pounds	Weight Per 100 ft. Pounds
$\frac{3}{16}$	21.00	$\frac{3}{32}$	1000	3.6

Supplied in 250 foot reels or cartons of 10-35 foot coils.

**VINYL COVERED TILLER ROPE — Fig. 857**

Outside Diameter Inches	Per 100 Feet	Core Diameter Inches	Breaking Strength Pounds	Weight Per 100 ft. Pounds
$\frac{3}{16}$	\$12.00	$\frac{3}{32}$	1000	2.6

Supplied in 250 foot reels or cartons of 10-35 foot coils.

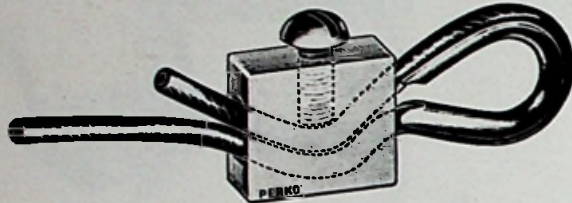


Fig. 377

**TILLER ROPE CLAMP — Fig. 377**  
**High Impact Plastic — Stainless Steel Screw —**  
**Made Expressly For  $\frac{3}{16}$ " Plastic Covered Cable**

The rope will not slip under strain. Only one screw to tighten.

The harder the pull, the tighter the hold. Tested by a recognized testing laboratory the rope broke at 862 pounds, but no slippage in clamp occurred. In testing other types of clamps the rope slipped at 242 pounds.



Fig. 1226

Each	Dimensions Inches	Packed Per Box	Weight Ounces
\$ .35	$1\frac{1}{8} \times 1 \times \frac{3}{16}$	25	$\frac{1}{2}$

**TILLER ROPE CLAMPS — Fig. 1226**  
**Zamak Die Castings**

For Rope Diam. Inches	Natural Finish Each	Chromium Plated Each	Length Inches	Width Inches	Weight Ounces
$\frac{1}{8}$	\$ .30	\$ .38	$1\frac{1}{8}$	$\frac{3}{16}$	$\frac{3}{4}$
$\frac{3}{16}$	.30	.38	$1\frac{1}{4}$	$\frac{1}{8}$	1
$\frac{1}{4}$	.40	.50	$1\frac{1}{2}$	$\frac{3}{8}$	$1\frac{3}{4}$

Packed per box 50 pieces.



Fig. 358

**TILLER ROPE CLAMPS — Fig. 358**  
**Galvanized Iron Or Bronze**

For Rope Diameter Inches	Galv. Each	Plain Bronze Each	Width Inches	Length Inches	Packed Per Box	Weight Ounces
$\frac{1}{8}$	\$ .25	\$ .40	$\frac{3}{4}$	$1\frac{1}{8}$	20	$1\frac{1}{4}$
$\frac{3}{16}$	.30	.44	$\frac{3}{4}$	$1\frac{1}{4}$	20	2
$\frac{1}{4}$	.35	.60	1	$1\frac{1}{4}$	20	3

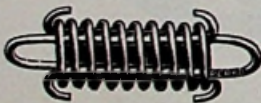


Fig. 732

**TILLER ROPE TIGHTENERS — Figs. 732 & 754**

For eliminating slack and keeping tension on tiller rope at all times.

**Fig. 732 Short Type — Cadmium Plated Steel or All Brass —**  
**Maximum Pull, Steel, 110 Pounds — Brass, 90 Pounds**

Steel Each	All Brass Each	Normal Length Inches	Length Compressed Inches	Outside Diameter Inches	Weight Ounces
\$ .35	\$ .90	4	5	$1\frac{1}{16}$	$4\frac{1}{2}$

Packed per box 25 pieces.



Fig. 754

**Fig. 754 Long Type — Cadmium Plated Steel —**  
**Maximum Pull — 100 Pounds**

Each	Normal Length Inches	Length Compressed Inches	Outside Diameter Inches	Weight Ounces
\$ .25	$5\frac{1}{2}$	$6\frac{3}{4}$	$\frac{7}{8}$	$2\frac{1}{2}$

Packed per box 25 pieces.

**TILLER ROPE GUIDES — Fig. 359**

Forged Bronze

Dull Bronze Each	Chromium Plated Each	Size Hole Inches	Size Base Inches	Weight Ounces
\$ .38	\$ .55	$\frac{3}{8}$	$1\frac{3}{8} \times \frac{3}{4}$	$\frac{3}{4}$

Packed per box, 25



Fig. 359

**TILLER ROPE GUIDES — Fig. 1256**

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Size Hole Inches	Size Base Inches	For Screw No.	Weight Ounces	Packed Per Box
\$ .38	$\frac{3}{8}$	$1\frac{1}{2} \times \frac{3}{4}$	6	$\frac{1}{2}$	25

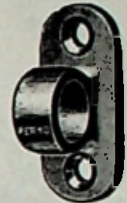


Fig. 1256

**TILLER ROPE GUIDES — Fig. 599**

Bronze Oval Plate

No.	Plain Bronze Each	Size Hole Inches	Size Base Inches
1	\$ .40	$\frac{3}{8}$	$1\frac{3}{8} \times \frac{3}{4}$

Packed per box, 25



Fig. 599

**TILLER ROPE GUIDES — Fig. 1261**

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Size Hole Inches	Size Base Inches	For Screw No.	Weight Ounces	Packed Per Box
\$ .38	$\frac{3}{8}$	$1\frac{1}{2} \times \frac{3}{4}$	6	$\frac{1}{2}$	25



Fig. 1261

**TILLER ROPE GUIDES — Fig. 1243**

Zamak Die Casting — Chromium Plated

Each	For Diam. Rope Inches	Size Base Inches	Weight Ounces
\$ .95	$\frac{1}{4}$	$2 \times \frac{3}{4}$	$1\frac{3}{4}$

Drilled for No. 8 screw—packed 25 per box.



FIG. 1243

**TILLER ROPE GUIDES — Figs. 229 & 932**

Brass Spring Wire

Fig. 229	Fig. 932	Size Hole Inches	Length Inches	Weight Ounces
Brass Each	Chromium Plated Each	$\frac{3}{8}$	$1\frac{3}{8}$	$\frac{1}{2}$
\$ .07	\$ .10	$\frac{3}{8}$	$1\frac{3}{8}$	$\frac{1}{2}$
	Brass Each	$\frac{3}{8}$	$1\frac{3}{8}$	$\frac{1}{2}$
	Chromium Plated Each	$\frac{3}{8}$	$1\frac{3}{8}$	$\frac{1}{2}$

Packed per box, 50 pieces.



Fig. 229



Fig. 932

**COAMING PULLEYS — Fig. 1255**

Zamak Die Casting — Chromium Plated — White Nylon Sheave

No.	Each	Diam. Sheave Inches	For Diam. Rope Inches	Dimensions of Plate Inches	For Screw No.	Weight Ounces
1	\$ .85	$1\frac{3}{4}$	$\frac{3}{8}$	$3\frac{1}{2} \times 1\frac{3}{8}$	10	2
2	1.10	$2\frac{3}{8}$	$\frac{3}{8}$	$4\frac{1}{4} \times 1\frac{1}{4}$	10	$2\frac{1}{2}$



Fig. 1255



Fig. 617

**COAMING PULLEYS — Fig. 617**

Cast Bronze Or Cast Aluminum — With Nylon Sheave

No.	Polished Aluminum Each	Plain Bronze Each	Chromium Plated Each
1	\$1.15	\$1.20	\$2.25
2		1.70	2.75

No.	Diam. Sheave Inches	For Diam. Rope Inches	Dimensions of Plate Inches	For No. Screw	Weight Bronze Ounces
1	$1\frac{3}{4}$	$\frac{3}{8}$	$3\frac{3}{4} \times 1\frac{3}{8}$	10	4
2	$2\frac{3}{8}$	$\frac{3}{8}$	$4\frac{1}{4} \times 1\frac{1}{4}$	10	6

**TILLER ROPE PULLEYS — Figs. 564, 1241, 611 & 1288**  
**White Nylon Sheave — 1½ Inch Diameter Score —**  
**For Tiller Rope Up To 5/16 Inch Diameter**

**Fig. 564 — 18-8 Stainless Steel — Swivel Type — Polished**



**Fig. 564**

Complete Each	Length Overall Inches	Diameter Sheave Overall Inches	Length Strap Inches	Weight Ounces	Packed Per Box
\$ .75	3	1¾	1⅝	1½	25

Without strap, deduct \$.08 each.

**Fig. 1241 — Zamak Die Cast Body, Eye and Strap — All Chromium Plated — Swivel Type**



**Fig. 1241**

Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Weight Ounces	Packed Per Box
\$1.00	3¼	1¾	1⅝	3	25

Without strap, deduct \$.15 each

**Figs. 611 & 1288 — Swivel Snap Type For Attaching To Motor**



**Figs. 611 & 1288**

Length Overall Inches	Snap Throat Opening Inches	Diam. Sheave Overall Inches	Weight Ounces	Packed Per Box
4¾	½	1¾	3½	25

**Fig. 611 — \$1.35 each**

Has polished stainless steel body with chromium plated Zamak die cast snap tested to 630 pounds.

**Fig. 1288 — \$1.35 each**

Has chromium plated Zamak die cast body and snap tested to 630 pounds.

**O. B. C. RECOMMENDED SIZE**

**TILLER ROPE PULLEYS — Figs. 565, 1277, 634 & 1216**  
**With White Nylon Sheave — 2 Inch Diameter Score —**  
**For Tiller Rope up to 5/16 Inch Diameter**

**Fig. 565 — 18-8 Stainless Steel — Swivel Type — Polished**

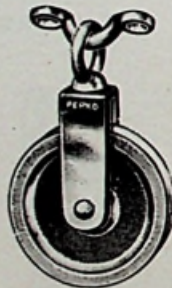


**Fig. 565**

Complete Each	Length Overall Inches	Diameter Sheave Overall Inches	Length Strap Inches	Weight Ounces	Packed Per Box
\$ .80	3¾	2¾	1¾	2	25

Without strap, deduct \$.08 each.

**Fig. 1277 — Chromium Plated Zamak Die Castings — Swivel Type — With Strap**



**Fig. 1277**

Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Weight Ounces	Length Strap Inches	Packed Per Box
\$1.25	4	2¾	3	1¾	25

Without strap, deduct \$.15 each.

**Fig. 634 — Polished Stainless Steel Body with Chromium Plated Zamak Snap — Swivel Type**



**Fig. 634**

Complete Each	Length Overall Inches	Snap Throat Opening Inches	Diam. Sheave Overall Inches	Weight Ounces	Packed Per Box
\$1.40	4¾	½	2¾	3	25

**Fig. 1216 — Double White Nylon Sheaves — Chromium Plated Zamak Body and Strap**



**Fig. 1216**

No.	Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Weight Ounces	Packed Per Box
1	\$ .95	3¾	1¾	1¾	2½	25
2	1.10	3¾	2¾	1¾	2¾	20

Without strap, deduct \$.15 each.

**EYE STRAPS — Fig. 562**

Brass Or 18-8 Stainless Steel

Brass Each	Stainless Steel Each	Length Inches	Size Eye Inches	For Screw No.	Weight Ounces	Packed Per Box
\$.08	\$.08	1 7/8	1/4	8	1/8	50



Fig. 562

**EYE STRAPS — Fig. 1242 —**

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Length Inches	Size Eye Inches	Stock in Eye Inches	For Screw No.	Weight Ounces	Packed Per Box
\$.18	1 7/8	3/8	1/4	8	1/4	50



Fig. 1242

**EYE STRAPS — Fig. 881**

Cast Bronze

No.	Natural Bronze Each	Chromium Plated Each	Length Inches	Size Eye Inches	Stock in Eye Inches	For Screw No.	Wt. Ozs.
0	\$.25	\$.50	1 7/8	3/8	1/4	8	1/2
1	.35	.65	2 1/4	3/8	3/32	10	3/4
2	.60	1.00	2 3/4	1/2	3/16	10	1 1/2

Packed per box, Nos. 0 and 1, 50 pcs. No. 2, 25 pcs.



Fig. 881

**DECK STRAPS — Fig. 882**

Cast Bronze

No.	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Length Inches	Size Eye Inches	Stock in Eye Inches	Wt. Ozs.
1	\$.80	\$1.70	\$1.90	3 1/2	1/2	3/8	1 1/2
2	.80	1.70	1.90	4 1/4	3/8	3/8	2 1/2

Packed per box, No. 1, 25 pcs. No. 2, 10 pcs.



Fig. 882

**FLANGE EYES — Fig. 877**

Cast Bronze

Size No.	Plain Bronze Each	Polished Bronze Each	Polished Chromium Plated Each	Size Opening Inches	Size Base Inches	Weight Ounces
1	\$.35	\$1.20	\$1.45	5/8	2 1/8 x 1 5/8	1
2	.65	1.60	1.85	3/4	2 1/4 x 1 3/8	2



Fig. 877

**FAST EYE BLOCKS — Fig. 43**

Galvanized Malleable Iron Or Bronze — Single

Size No.	Galv. Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheaves Inches	Weight Pounds Each
1	\$.32	\$.55	3/16	3/4 x 3/16	3/32
3	.43	.70	1/4	1 x 3/8	3/16
5	.54	1.30	3/8	1 3/8 x 3/16	1/4
7	.70	1.45	3/8	1 1/2 x 1/2	3/8
9	.95	2.20	3/8	1 3/4 x 3/16	1/2
11	1.35	2.60	1/2	2 x 3/8	3/8
13	2.20		5/8	2 1/2 x 3/4	1 1/16
15	3.35		3/4	3 x 3/4	1 1/8



Fig. 43

**FAST EYE BLOCKS — Fig. 51**

Galvanized Malleable Iron — Double

Size No.	Galv. Each	For Diam. Rope Inches	Size Sheaves Inches	Weight Pounds Each
2	\$.55	3/16	3/4 x 3/16	3/16
4	.70	1/4	1 x 3/8	1/4
6	1.00	3/8	1 3/8 x 3/16	3/8
8	1.25	3/8	1 1/2 x 1/2	5/8
10	1.45	3/8	1 3/4 x 3/16	3/4
12	1.95	1/2	2 x 3/8	1 1/4
14	3.75	5/8	2 1/2 x 3/4	2 3/16
16	7.30	3/4	3 x 3/8	2 3/4

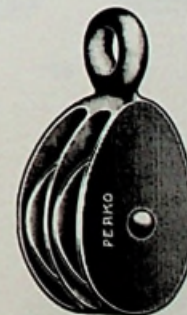


Fig. 51



Fig. 100

**SWIVEL EYE BLOCKS — Fig. 100**  
Galvanized Malleable Iron Or Bronze — Single

Size No.	For Diam. Rope Inches	Length Shell Inches	Diameter Sheave Inches	Weight Per Doz. in Lbs.
0	3/8	1	1/2	1/2
1	3/8	1 1/4	3/4	1 1/4
3	1/2	1 3/4	1	2
5	3/4	2	1 3/8	2 3/4
7	7/8	2 1/4	1 1/2	4 3/4
Size No.	Galvanized Iron Each	Plain Bronze Each		
0	\$ .38	\$1.55		
1	.44	1.60		
3	.57	2.10		
5	.77	2.55		
7	.98	2.90		

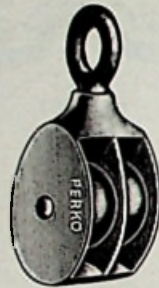


Fig. 101

**SWIVEL EYE BLOCKS — Fig. 101**  
Galvanized Malleable Iron — Double

Size No.	For Diam. Rope Inches	Length Shell Inches	Diameter Sheave Inches	Weight Per Doz. in Lbs.
00	3/8	1	1/2	1 1/6
2	3/8	1 1/4	3/4	2 1/4
4	1/2	1 3/4	1	3 3/8
6	3/4	2	1 3/8	4 1/2
8	7/8	2 1/4	1 1/2	7
Size No.	Galvanized Iron Each			
00	\$ .66			
2	.77			
4	.93			
6	1.37			
8	1.95			



Fig. 107

**BLOCKS ON PLATES — Fig. 107**  
Malleable Iron Or Bronze

Size No.	Cadmium Plated Each	Plain Bronze Each	For Diam. Rope Inches	Style Block	Weight Per 100 in Lbs.
3	\$1.45	\$3.75	1/4	Swivel Eye	31
5	1.55	4.50	3/8	Swivel Eye	47
7	1.75	5.45	1/2	Swivel Eye	75
9	3.35		3/4	Fast Eye	100

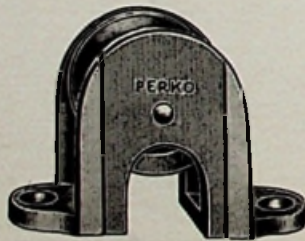


Fig. 87

**DECK BLOCKS — Fig. 87**  
Open Pattern — Galvanized Iron Or Bronze — Single

Size No.	Mall. Iron Each	Cast Iron Each	Plain Bronze Each	For Diam. Rope Inches	Size of Sheave Inches	Weight Pounds
0	\$ .55	\$ .50	\$1.25	3/8	1 3/8 x 3/8	3 1/2
1	.70	.53	1.75	3/8	1 1/2 x 1/2	3 1/2
3	1.10	.90	3.25	1/2	2 x 3/8	1 1/2
5	2.20	1.95		3/4	2 1/2 x 3/4	1 1/2
7	3.70	3.25		3/4	3 x 3/8	2 3/4

Cast iron furnished unless otherwise specified.



Fig. 88

**DECK BLOCKS — Fig. 88**  
Open Pattern — Galvanized Iron Or Bronze — Double

Size No.	Cast Iron Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheave Inches
2	\$ .95	\$2.85	3/8	1 1/2 x 1/2
4	1.95		1/2	2 x 3/8
6	3.95		3/4	2 1/2 x 3/4
8	5.50		3/4	3 x 3/8



**DECK BLOCKS — Fig. 139**

For Wire Rope — Galvanized Malleable Iron

Size No.	Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
1	\$1.60	1/4	2 x 3/16	3/8
2	2.75	3/8	3 x 3/8	1 3/8
3	4.50	1/2	4 x 1/2	3

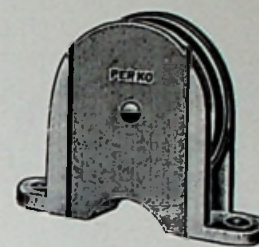


Fig. 139

**CHEEK BLOCKS — Fig. 140**

For Wire Rope — Galvanized Malleable Iron

Size No.	Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
1	\$1.30	1/4	2 x 3/16	3/8
2	2.00	3/8	3 x 3/8	1 3/8
3	3.35	1/2	4 x 1/2	2 3/4



Fig. 140

**WIRE ROPE PULLEYS — Figs. 194 & 195**

Galvanized Malleable Iron Or Bronze — Side Pattern

**Fig. 194 Single**

Size No.	Galvanized Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
1	2.35		3/16	2 1/2 x 3/8	1/2
2	2.80		1/4	3 1/4 x 1/2	1 1/4
3	4.15		5/16 - 3/8	4 1/2 x 5/8	2 1/2



Fig. 194

**Fig. 195 Double**

12	3.95		1/4	3 1/4 x 1/2	2
13	6.65	\$15.30	3/16 - 3/8	4 1/2 x 5/8	4 1/4

**WIRE ROPE PULLEYS — Figs. 279 & 280**

Galvanized Malleable Iron — Upright Pattern

**Fig. 279 Single**

Size No.	Galv. Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
10	\$2.35	3/16	2 1/2 x 3/8	3/8
20	2.80	1/4	3 1/4 x 1/2	1 1/2
30	4.15	5/16 - 3/8	4 1/2 x 5/8	2 1/2



Fig. 279

**Fig. 280 Double**

110	\$3.85	3/16	2 1/2 x 3/8	1 1/8
120	4.35	1/4	3 1/4 x 1/2	2
130	7.30	5/16 - 3/8	4 1/2 x 5/8	4 3/4

**CHEEK BLOCKS — Fig. 95**

Galvanized Iron Or Bronze — For Manila Rope — Single

Size No.	Galv. Cast Iron Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
0	\$ .75	\$1.25	1/4	1 1/8 x 3/8	3/16
1	.80	1.60	3/16	1 3/8 x 3/8	1/4
2	.88		3/8	1 1/2 x 1/2	3/8
3	1.25		1/2	2 x 3/4	3/4
4	2.60		5/8	2 1/2 x 3/4	1 1/4
5	3.90		3/4	3 x 3/4	2
6	6.60		7/8	3 1/2 x 1	4



Fig. 95

**CHEEK BLOCKS — Fig. 96**

Galvanized Iron — Double

Size No.	Galv. Cast Iron Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
11	\$1.40	3/16	1 3/8 x 3/8	1/2
12	1.50	3/8	1 1/2 x 1/2	1 1/8
13	2.55	1/2	2 x 3/4	1 1/2



Fig. 96



Fig. 417

**RINGS — Fig. 417**  
Polished Brass

Inside Diam. Inches	Thickness Inches	Per Dozen	Inside Diam. Inches	Thickness Inches	Per Dozen
1/2	3/32	\$1.20	1 1/4	3/16	\$2.52
3/4	3/32	1.20	1 1/2	3/32	3.60
3/4	3/32	1.44	1 3/4	3/32	4.80
3/8	3/32	1.68	2	1/4	6.00
1	3/32	2.40			



Fig. 154

**SHEAVES — Fig. 154**  
White Nylon — Common Bushed — For Manila Rope

No.	Each	Diam. Inches	Thickness Inches	For Rope Inches	For Size Pin Inches
27	\$.20	1 3/4	3/16	3/8	1/4
28	.25	2 3/8	3/16	3/8	1/4



Fig. 483

**ANCHOR LIFT LEADERS — Fig. 483**  
Galvanized Malleable Iron

For attaching to bow of boat. The sheave projects over the stem. These are very handy for raising or dropping anchor.

Each	For Diam. Rope Inches	Size Sheave Inches	Length Overall Inches	Length Plate Inches	Weight Pounds
\$2.90	3/8	2x1/2	7 1/2	4 1/2	1 1/4



Fig. 759

**DOCK LINE SPRINGS — Fig. 759**  
Steel — Zinc Plated

A very strong compression spring for dock and mooring lines. It cushions the strain and contributes greatly to the life of the line. Size No. 1 will accommodate 1/2 inch diameter rope, No. 2 for 3/4 inch rope.

No.	Each	Length Overall Inches	Diameter Spring Inches	Diameter Metal Inches	Compression Inches	Weight Pounds
1	\$1.65	10	1 1/2	3/8	4 1/2	3/8
2	4.75	18	2	1/2	8	2 3/4

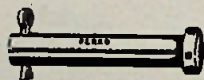


Fig. 1176

**ASSORTED BRASS PINS — Fig. 1176**

No.	Each	Diam. Pin Inches	Length Under Head Inches	Diam. Head Inches	Type Head
1	\$.30	3/16	5/8	1/4	Flat
2	.30	3/16	3/4	1/4	Flat
4	.34	3/16	1	1/4	Flat
5	.34	1/4	5/8	5/16	Round
6	.36	1/4	3/4	5/16	Flat
7	.38	1/4	7/8	5/16	Flat
8	.42	1/4	1 1/16	5/16	Flat
10	.42	1/4	1 1/4	5/16	Flat
11	.42	5/16	7/8	3/8	Flat
15	.44	5/16	1 1/4	3/8	Flat
16	.44	5/16	1 1/2	3/8	Flat
18	.58	3/8	1 5/16	7/16	Flat
27	.90	1/2	1 1/4	5/8	Flat
28	.95	1/2	1 1/2	5/8	Flat

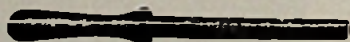


Fig. 366

**BELAYING PINS — Fig. 366**  
Galvanized Malleable Iron

Diam. Shank Inches	Galv. Each	Length Head Inches	Extreme Length Inches	Weight Each Pounds
3/8	\$1.50	3	8	3/8
1/2	2.30	3 3/8	9 1/2	3/4
3/4	2.85	3 3/4	10 1/4	1
3/4	3.40	4 1/4	11	1 3/4

**PAINT SCRAPER SET — Fig. 1015**

Per Set — \$3.80

Set consists of handle with 3 blades illustrated, and nut to change and attach blades.

Packed, 1 set to a box.

No. 1 Blade, Triangular—2 $\frac{3}{8}$ x2 $\frac{3}{8}$  inches.

No. 2 Blade, Triangular—3x3 inches.

No. 3 Blade, Oval—2 $\frac{1}{2}$ x1 $\frac{1}{4}$  inches.

Length Handle—8 $\frac{1}{2}$  inches.

Weight Per Set, 9 Ounces.

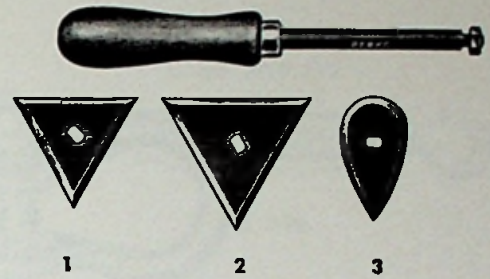


Fig. 1015

**DOUBLE END SCRAPERS — Fig. 1175**

Fine Grade Tool Steel — Heat Treated

Per Doz.	Length Inches	Width Inches	Thick-ness Inches	Width Blade Inches	Weight Per Dozen Pounds
\$12.00	15	1	$\frac{1}{4}$	1 $\frac{1}{4}$	13

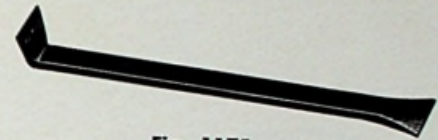


Fig. 1175

**CAULKING IRONS — Fig. 307**

Malleable Iron

Size No.	Per Dozen	Thickness Inches	Length Inches	Width Blade Inches	Weight Per Dozen in Lbs.
00	\$26.40	$\frac{1}{32}$	5	2	3 $\frac{1}{2}$
0	26.40	$\frac{1}{16}$	5 $\frac{1}{2}$	2 $\frac{1}{2}$	4 $\frac{1}{2}$
1	28.80	$\frac{1}{8}$	5 $\frac{3}{8}$	2 $\frac{1}{4}$	5 $\frac{1}{4}$



Fig. 307

**SAIL MAKERS PALMS — Fig. 411**

Hide Mounted — Bronze Spindle —Right Hand Only

Seaming—Half Hide ..... Per Dozen \$21.00

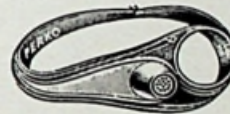


Fig. 411

**MARLINE SPIKES — Fig. 921**

Polished Steel — For Wire Rope

Length Inches	Each	Weight Pounds
10	4.25	$\frac{7}{8}$
12	4.50	1
14	5.35	1 $\frac{1}{4}$
16	7.25	2
18	7.65	2 $\frac{1}{2}$

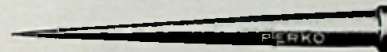


Fig. 921

**MARLINE SPIKES — Fig. 922**

For Manila Rope

Length Inches	Each	Weight Pounds
6	\$2.10	$\frac{1}{2}$
8	2.20	$\frac{3}{4}$
10	2.40	1
12	3.10	1 $\frac{1}{2}$
14	3.60	2
16	4.00	2 $\frac{1}{4}$
18	5.50	3

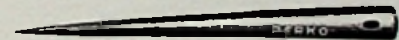


Fig. 922

**MAPLE HAND FIDS — Fig. 923**

For use in splicing ropes and light flexible cables, has a rounded end for hand use; varnished finish.

No.	Per Dozen	Size Inches	Weight Per Dozen Pounds
0	\$13.00	12x1 $\frac{3}{4}$	4 $\frac{1}{2}$
1	16.00	14x1 $\frac{3}{4}$	4 $\frac{1}{2}$
2	18.00	16x2	6
3	20.00	18x2	7 $\frac{1}{2}$
4	30.00	20x2 $\frac{1}{4}$	10 $\frac{1}{2}$

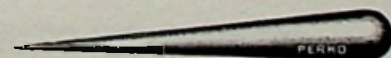


Fig. 923

**SHACKLES — Fig. 314**

**Galvanized Drop Forged Steel Or Bronze — Screw Pin Anchor**



Fig. 314

Size Inches	Fig. 314 Galvanized Each	Fig. 314 Bronze Each	Approx. Weight Per 100 In Pounds
$\frac{3}{16}$	\$ .51	\$1.00	7
$\frac{1}{4}$	.58	1.15	11
$\frac{5}{16}$	.64	1.45	20
$\frac{3}{8}$	.76	2.15	31
$\frac{7}{16}$	.98		47
$\frac{1}{2}$	1.11		68
$\frac{5}{8}$	1.78		137
$\frac{3}{4}$	2.44		220
$\frac{7}{8}$	3.22		320
1	4.67		500

**WIRE ROPE THIMBLES — Fig. 466**

**Galvanized Forged Steel, Forged Bronze And Stainless Steel**



Fig. 466

For Size Rope Inches	Galv. Per 100	Bronze Per Dozen	Stainless Steel Per Dozen	Galv. Wt. Per 100 in Lbs.
$\frac{3}{32}$			\$1.80	
$\frac{1}{8}$	\$ 7.78	\$ 2.64	2.40	2%
$\frac{3}{16}$	7.78	2.64	2.40	2%
$\frac{1}{4}$	7.78	3.48	3.00	4%
$\frac{5}{16}$	10.00	4.80	4.20	5½%
$\frac{3}{8}$	11.11	7.44	6.60	10%
$\frac{1}{2}$	13.33	9.84	9.00	15½%
$\frac{5}{8}$	35.56			27½%
$\frac{3}{4}$	44.44			40
$\frac{7}{8}$	71.11			55
1	84.44			79

**MANILA ROPE THIMBLES — Fig. 468**

**Galvanized Drop Forged Steel**



Fig. 468

For Diam. Rope Inches	Galvanized Per 100	I. D. Hole Inches	O. D. Edge to Edge Inches	Weight Per 100 in Lbs.
$\frac{3}{8}$	\$13.33	$\frac{1}{2}$	$\frac{7}{8}$	2
$\frac{1}{2}$	15.56	$\frac{3}{4}$	1	3
$\frac{5}{8}$	17.78	$\frac{1}{2}$	$1\frac{1}{4}$	5½
$\frac{3}{4}$	22.22	$\frac{7}{8}$	$1\frac{1}{2}$	9
$\frac{7}{8}$	37.78	$1\frac{1}{8}$	2	25½
1	46.67	$1\frac{1}{4}$	$2\frac{1}{4}$	34
$1\frac{1}{8}$	57.78	$1\frac{3}{8}$	$2\frac{1}{2}$	38

**FOOT ROPE PLATES OR TRANSOM LIFTING EYES — Fig. 568**

**Galvanized Forged Steel**

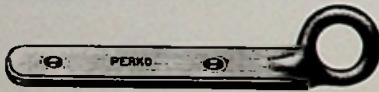


Fig. 568

Length Under Eye Inches	Galv. Each	Size Plate Inches	Inside Diam. Eye Inches	Diam. Metal In Eye Inches	Weight Pounds
4	\$1.05	$\frac{7}{8} \times \frac{3}{16}$	$\frac{3}{8}$	$\frac{1}{4}$	$\frac{3}{4}$
6	1.55	$1 \times \frac{1}{4}$	$\frac{7}{8}$	$\frac{3}{8}$	$\frac{3}{4}$
8	1.85	$1\frac{1}{4} \times \frac{3}{16}$	1	$\frac{3}{8}$	1

**CHAIN PLATES — Fig. 569**

**Galvanized Forged Steel**

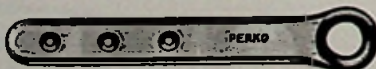


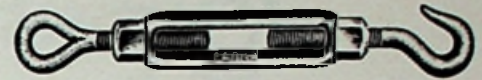
Fig. 569

Length Under Eye Inches	Galvanized Each	Size of Plate Inches	Weight Pounds
4	\$ .95	$\frac{3}{4} \times \frac{3}{16}$	$\frac{1}{4}$
6	1.05	$1 \times \frac{3}{16}$	$\frac{1}{2}$

**OPEN TURNBUCKLES — Figs. 390 & 394**  
**Drop Forged Steel — Hot Galvanized**

All turnbuckles have right and left hand threads.  $\frac{3}{4}$  inch diameter and larger in jaw type are supplied with pin and cotter instead of bolt and nut. Fig. 390 is hook and eye. Fig. 394 is jaw and jaw.

**HOOK AND EYE**

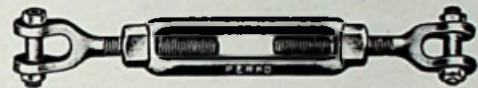


**Fig. 390**

Diameter and Take-Up Inches	Fig. 390 Each	Fig. 394 Each	Overall Length Closed Inches	Approx. Weight Pounds
* $\frac{1}{4}$ x 4	\$1.44	\$1.96	7 $\frac{1}{2}$	$\frac{3}{8}$
* $\frac{5}{16}$ x 4 $\frac{1}{2}$	1.60	2.13	8 $\frac{1}{2}$	$\frac{1}{2}$
* $\frac{3}{8}$ x 6	2.04	2.73	11	1
* $\frac{1}{2}$ x 6	2.64	3.07	12	1 $\frac{3}{4}$
$\frac{1}{2}$ x 9	3.47	4.42	14 $\frac{1}{2}$	2 $\frac{1}{4}$
$\frac{1}{2}$ x 12	3.64	4.67	17 $\frac{1}{2}$	2 $\frac{3}{8}$
* $\frac{5}{8}$ x 6	3.44	4.78	13	3
* $\frac{3}{4}$ x 9	6.00	7.33	17	5 $\frac{1}{4}$
$\frac{3}{4}$ x 12	8.00	9.56	20	6 $\frac{3}{8}$

\*Indicates standard marine length. Same will be shipped when no length is specified.

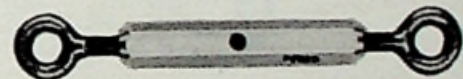
**JAW AND JAW**



**Fig. 394**

**PETITE TURNBUCKLES — Fig. 396**  
**Bronze — S.A.E. Threads**

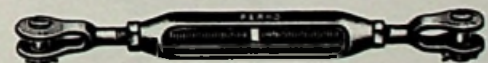
No.	Each	Diam. Ends Inches	Length Extended Inches	Takeup Inches	Weight Per 100 in Lbs.
1	\$ .41	$\frac{1}{8}$	3	$\frac{3}{4}$	3
2	.48	$\frac{3}{16}$	4	1 $\frac{1}{8}$	6 $\frac{1}{4}$
3	.66	$\frac{3}{16}$	5	1 $\frac{1}{2}$	11 $\frac{1}{2}$
4	.88	$\frac{1}{4}$	5 $\frac{3}{4}$	1 $\frac{7}{8}$	15
5	1.04	$\frac{3}{16}$	6 $\frac{3}{4}$	2 $\frac{1}{4}$	24 $\frac{1}{2}$



**Fig. 396**

**BRONZE RIGGING TURNBUCKLES — Fig. 459**  
**S. A. E. Threads**

Size Inches	Plain Each	With Two Check Nuts Add	Jaw Opening Inches	Diam. Pin Inches	Weight Each Pounds
$\frac{1}{4}$	\$ 3.95		$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{4}$
$\frac{3}{16}$	5.25	\$ .40	$\frac{3}{16}$	$\frac{3}{16}$	$\frac{1}{2}$
$\frac{3}{8}$	6.40	.45	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{4}$
$\frac{1}{2}$	11.80	.60	$\frac{1}{2}$	$\frac{1}{2}$	1 $\frac{1}{2}$



**Fig. 459**

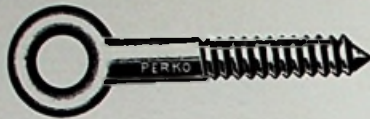


Fig. 500

**SCREW EYE BOLTS — Fig. 500**

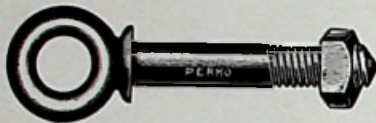
**Without Shoulder — Galv. Drop Forged Steel — Large Eye**

Size Inches	Each	Inside Diam. Eye Inches	Galv. Weight Per 100 in Lbs.
1/4 x 2	\$ .38	1/2	6
3/8 x 2 1/4	.49	3/8	9
1/2 x 2 1/2	.54	1/2	16
3/4 x 3 1/4	.80	1	35
1 x 4	1.34	1 1/4	67

**NUT EYE BOLTS — Figs. 522 & 523**

**Gal. Drop Forged Steel Or Bronze — Large Eye**

Sizes are diameter and length of shank.



Without Shoulder—Fig. 522  
With Shoulder—Fig. 523

Size Inches	Fig. 522 Galv. Each	Fig. 523 Galv. Each	Fig. 523 Plain Bronze Each	Inside Diam. Eye Inches	Galv. Weight Per 100 in Lbs.
1/4 x 2	\$ .38	\$ .40	\$ .94	1/2	7
1/4 x 4	.49	.50		1/2	10
3/8 x 2 1/4	.51	.54	1.28	3/8	13
3/8 x 4 1/4	.60	.63	1.78	3/8	17
1/2 x 2 1/2	.55	.59	1.67	1/2	21
1/2 x 4 1/2	.67	.71	2.44	1/2	27
3/4 x 6	.93			3/4	32
1/2 x 3 1/4	.89	.88	3.22	1	45
1/2 x 6	1.13	1.15	4.00	1	65
1/2 x 8	1.60			1	75
1/2 x 10	1.98			1	85
3/4 x 4	1.36			1 1/4	85
3/4 x 6	1.60		5.90	1 1/4	100



Fig. 622

**SWIVELS — Fig. 622**

**Drop Forged Steel**

Size Inches	Galv. Each	Length Inches	Width Inside Inches	Weight Each in Lbs.
1/4	\$1.66	3 3/8	3/4	1/4
3/8	1.76	4 1/8	1 1/8	3/8
1/2	2.02	5 1/4	1 3/8	3/4
3/4	2.84	6 3/8	1 1/2	1 1/4
1	4.80	7 1/8	1 3/4	2 1/4

**SWIVEL WITH JAW END — Fig. 623**

**Drop Forged Steel**



Fig. 623

Size Inches	Galv. Each	Length Inches	Width Between Jaws Inches	Inside of Bail Inches	Weight Each in Lbs.
1/4	\$2.08	4	3/8	1 1/8 x 1 1/8	3/8
3/8	2.08	4 1/8	3/8	1 1/4 x 1	1/2
1/2	2.40	5	3/8	1 3/8 x 1 1/8	3/4
3/4	3.18	6	1 1/8	1 1/2 x 1 1/8	1 1/8
1	6.65	7 3/8	1 1/4	1 3/4 x 1 1/4	2 3/8

**SWIVELS — Fig. 624**

**Galvanized Malleable Iron Or Bronze**



Fig. 624

No.	Galv. Each	Plain Bronze Each	Size Inches	I. D. Eye Inches	Inside Width Swivel Inches	Overall Length Inches	Weight Per 100 in Lbs.
0	\$ .27	\$ .62	3/8	1/4	1/4	1 1/8	2 3/4
1	.29	.62	3/8	3/8	3/8	1 3/8	4
2	.39	.85	1/2	3/8	3/8	2 1/8	7 1/2
3	.55	1.08	3/4	3/8	1/2	2 1/2	10
4	.77	1.43	3/4	1/2	3/8	3 1/4	19 1/2
5	1.05		3/4	3/4	3/4	3 1/2	24 1/2
6	1.30		3/4	3/4	1	4 3/8	41

**LACING EYES — Figs. 766 & 767**

**Cast Brass — Plain**



Without Shoulder  
Fig. 766

With Shoulder  
Fig. 767

Size No.	Fig. 766 Per Dozen	Fig. 767 Per Dozen	I. D. of Eye Inches	Length Under Eye Inches	Wt. Per 100 in Lbs.
1	\$1.55	\$1.55	3/8	1	2 1/2
2	1.80	2.05	3/8	1 1/4	4 1/2
3		2.60	1/2	1 1/2	8

**WIRE ROPE CLIPS — Fig. 333**

Malleable Iron Saddle — Steel U-Bolt And Nuts

Size Wire Rope Inches	Cadmium Plated Per 100	Est. Wt. Per 100 in Lbs.	Size Wire Rope Inches	Cadmium Plated Per 100	Est. Wt. Per 100 in Lbs.
1/8	\$13.69	4 1/4	1/2	\$ 31.67	37
3/16	13.69	7	5/8	41.95	59
1/4	16.00	14 1/2	3/4	59.89	84
5/16	17.82	16	7/8	85.58	128
3/8	24.64	24	1	102.71	175



Fig. 333

**GALVANIZED EYE BANDS — Fig. 426**

Steel — Hot Galvanized

All sizes have bands 1 1/4" wide, all eyes are of 3/4" stock with 1/16" inside diameter.

Inside Diam. Inches	1 Eye Each	2 Eye Each	3 Eye Each	4 Eye Each
1 1/4	\$1.95	\$2.30	\$2.65	\$3.00
1 1/2	2.00	2.40		
1 3/4	2.30	2.65	3.00	3.40
2		2.75	3.10	3.50
2 1/4	2.55	2.85	3.20	3.55
2 1/2	2.65	3.00	3.40	3.75
3	2.85			
3 1/2	3.55	3.90	4.25	
4	3.90			
4 1/2	4.25	4.65	5.00	5.40
5	4.65	5.00	5.40	
6	6.40		7.20	7.60



Fig. 426

**CONNECTING OR MISSING LINKS — Fig. 319**

Drop Forged Steel — With Interlocking Lugs

Size Inches	Galv. Each	Overall Dimensions Inches	Weight Per 100 Pounds
3/16	\$ .38	1 3/8 x 3/4	3 3/4
1/4	.38	1 1/2 x 1	7 1/2
5/16	.42	1 3/4 x 1 1/8	10 3/4
3/8	.49	2 1/8 x 1 3/8	18 3/4
7/16	.65	2 3/8 x 1 1/2	38 1/2
1/2	.80	2 5/8 x 1 3/4	40
5/8	1.15	3 3/8 x 2 1/4	76

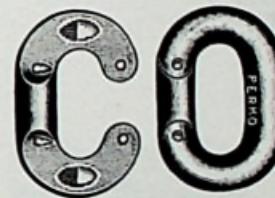


Fig. 319

**SWING LINKS — Fig. 784**

Malleable Iron — Hot Galvanized — With Bronze Rivets And Interlocking Lugs

Size Inches	Galv. Per Dozen	Length Overall Inches	Diam. Eye Inches	Packed Dozens in Box	Weight Per Dozen Pounds
3/16	\$ 4.30	1 3/4	1/4	2	7/8
1/4	4.95	1 11/16	3/8	2	1
5/16	5.90	2 1/4	3/8	2	1 1/2
3/8	8.00	2 1/2	5/8	2	2 1/4
7/16	11.00	2 3/8	3/8	1	3 1/4
1/2	14.20	3 3/8	3/8	1	5 1/4
5/8	23.10	4 1/2	1 1/8	1/2	12



Fig. 784

**LAP LINKS — Fig. 785**

Galvanized Wrought Steel

Size Inches	Each	Inside Dimensions of Link Inches	Size Inches	Each	Inside Dimensions of Link Inches
3/16	\$.12	1 x 1/2	3/8	\$.33	1 1/8 x 1/2
1/4	.12	1 1/2 x 1/2	1/2	.59	2 x 1
5/16	.23	1 1/2 x 3/8			



Fig. 785



Fig. 612

**FAST EYE BOAT SNAPS — Fig. 612**  
Galvanized Malleable Iron Or Bronze

Size No.	Galv. Each	Plain Bronze Each	Polished Bronze Each	Inside Diam. Eye Inches	Extreme Length Inches	Weight Per 100 Pounds
0	\$ .53	\$ .65	\$ 1.50	3/8	2 1/8	6 1/2
1	.65	.80	1.70	3/8	2 3/8	12
2	.77	.95	2.00	3/8	3	13 1/2
3	.93	1.35	2.70	3/8	3 3/8	24
4	1.16	1.80		3/8	4 1/2	40
5	1.50	2.60		1 1/8	5	50
6	1.80			1 1/8	5 1/4	68 3/4



Fig. 613

**SWIVEL EYE BOAT SNAPS — Fig. 613**  
Galvanized Malleable Iron Or Bronze

Size No.	Galv. Each	Plain Bronze Each	Polished Bronze Each	Inside Diam. Eye Inches	Extreme Length Inches	Weight Per 100 Pounds
1	\$ .93	\$ 1.28	\$ 2.30	3/8	3 1/4	12 1/2
2	1.10	1.60	2.70	1 1/8	3 3/4	16
3	1.40	2.20	3.50	3/4	4 5/8	30
4	1.70	2.45		1 1/8	4 7/8	42
5	2.10	3.55		1 1/8	5 3/4	61



Fig. 1289

**SWIVEL EYE BOAT SNAPS — Fig. 1289**  
Zamak Die Castings — Chromium Plated

Size No.	Each	Inside Diam. Eye Inches	Extreme Length Inches	Weight Per 100 Pounds
1	\$ .90	3/8	2 3/8	12 1/2



Fig. 659

**SWIVEL EYE SNAPS — Fig. 659**  
Malleable Iron Or Bronze

	Each	Extreme Length Inches	Inside Eye Inches	Inside Hook Inches	Weight Ounces
Iron	\$ .43	3 1/2	3/4	3/8	2
Bronze	.41	4	3/4	3/8	2 1/2

Iron snap is nickel plated.



Fig. 842

**FAST EYE BABY SNAPS — Figs. 842 & 1041**

Fig.	Galvanized Each	Brass Each	Size of Eye Inches	Length Inches	Weight Ounces
842		\$ .22	3/8	1 1/8	1/2
1041	\$ .16	.23	5/8 x 3/8	1 1/4	1/2



Fig. 1041

**SWIVEL EYE BABY SNAPS — Fig. 1042**

Diam. of Eye Inches	N. P. Malleable Each	Brass Each	Length Inches	Weight Ounces
3/8	\$ .23	\$ .31	2 3/8	1/2

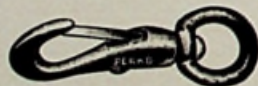


Fig. 1042

**SAFETY MOORING HOOKS — Fig. 606**

Drop Forged Steel — Heat Treated —  
Stainless Steel Spring And Rivet

These hooks, although light in design, have exceptional strength.

No.	Galvanized Each	I. D. of Eye Inches	Length Overall Inches	Throat Opening Inches	Weight Per 100 in Lbs.
1	\$ .85	3/4	4	3/4	25
1 1/2	1.05	1 1/8	4 3/4	3/4	32
2	2.50	1	5 3/8	1 1/8	100



Fig. 606

**SWIVEL EYE MOORING HOOKS — Fig. 640**

Drop Forged Steel — Stainless Steel Spring

An excellent hook for trailer winches.

Each	I. D. of Swivel Inches	Length Overall Inches	Throat Opening Inches	Weight Per 100 in Lbs.
\$ 2.50	7/8	5 1/8	1 1/8	62 1/2



Fig. 640



**NEW BERTH HANGER HOOKS — Fig. 469**

**Stainless Steel**

A good strong hook made of #304 Stainless Steel and to fit a strap up to 1 1/2 inches wide.

Each	Length Inches	Weight Ounces
\$2.20	2 3/8	1 3/4

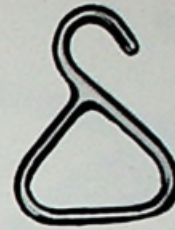


Fig. 469

**GALVANIZED HOOKS — Fig. 656**

**Drop Forged Steel — Large Eye**

Size Inches	Each	Hook Length Inches	I. D. Eye of Hook Inches	Throat Opening of Hook Inches	Approx. Strength Lbs.	Approx. Weight Per 100 in Lbs.
3/8	\$ .75	2 3/8	3/4	1/2	1230	12
1/2	1.10	3 3/8	3/4	3/8	2620	30
5/8	1.35	5 1/8	1 1/4	3/8	3810	62
3/4	1.95	5 1/2	1 1/2	1	5710	87
7/8	2.45	6 1/2	1 3/8	1 1/8	9100	135
1	3.45	6 3/4	1 3/4	1 1/4	9700	212



Fig. 656

**SCREW HOOKS — Fig. 779**

**Steel — Galvanized**

Size Inches	Per 100	Length Overall Inches	Weight Per 100 Pounds
1/4	\$12.00	4	7 1/2
3/8	15.50	4	11 1/2
1/2	19.25	4	17 3/4



Fig. 779

**"S" HOOKS — Fig. 680**

**Galvanized Wrought Steel**

Nominal Size Inches	Per 100	Length Overall Inches	Weight Per 100 Pounds
3/8	\$ 7.25	1 1/2	2 3/4
1/4	7.75	2	7
3/8	15.50	2 1/2	14 1/2
1/2	23.20	3	18 3/4
3/4	55.50	3 3/4	50



Fig. 680

**JIB SNAPS — Fig. 765**

**Galvanized Malleable Iron**

Size No.	Each	Extreme Length Inches	For Diam. Stay Inches	Weight Per 100 in Lbs.
0	\$ .53	1 3/8	1/4	4 3/8
1	.65	2	3/8	10
2	.77	2 3/8	3/8	12 1/2
3	1.00	2 3/4	1/2	21
4	1.30	3	3/4	23 3/4



Fig. 765

**EYE NUTS — Fig. 497**

**Weldless Drop Forged Steel**

Threaded For Bolt Inches	Galvanized Each	Inside Dimensions Inches	Diam. of Stock Inches	Weight Per 100 in Lbs.
1/4	\$ .90	3/4 x 3/8	1/4	10
3/8	.90	3/4 x 3/8	1/4	10
1/2	.92	3/4 x 1 1/8	3/8	16
3/4	.96	1 1/4 x 1 1/2	3/8	34
1	1.20	1 1/2 x 1 3/4	1/2	60
1 1/4	2.20	1 3/4 x 2 1/4	3/4	97



Fig. 497

**BRONZE WIRE ROPE SOCKETS — Fig. 756**

**Cast Bronze — Closed Type**

No.	Each	Diam. Wire Inches	Width Inside Inches	Length Overall Inches	Weight Ounces
00	\$ .85	1/8	3/8	1 1/4	1
0	.85	3/32	3/8	1 1/4	1
1	.95	1/8	3/8	1 1/4	1
4	2.00	3/8	3/4	3	4 1/2
5	2.55	3/8	1	3 3/4	8



Fig. 756

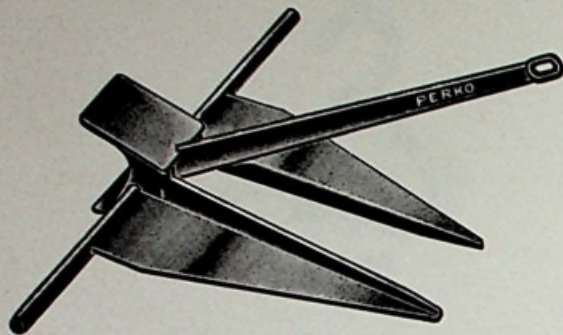


Fig. 700

**NEW "PERKO" ANCHORS — Fig. 700**  
 Hot Galvanized Steel — Flukes And Shank  
 Of High Strength Alloy Steel

Weight Pounds	Length Overall Inches	Each
2½	17¼	\$ 5.40
4	19	7.65
8	24	15.00
13	28½	22.50
22	35	34.00

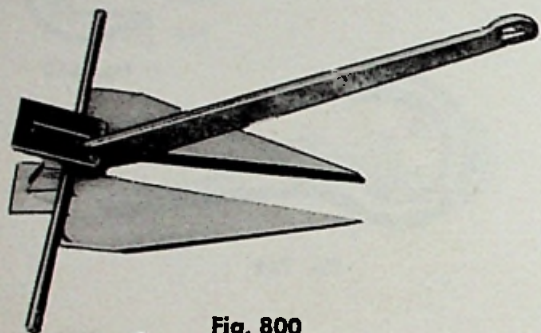


Fig. 800

**NEW "PERKO" SHEARPIN ANCHORS — Fig. 800**  
 For Small Boat Fishermen — Hot Galvanized Steel

This new Perko anchor is designed with a copper shearpin which will hold up to approximately 250 pounds at normal scope. If the anchor should snag, the shearpin will break with approximately 30 pounds pull when the boat is over the anchor. This enables pulling the anchor out backwards.

Weight Pounds	Each	Length Inches
4	\$ 8.25	19
8	15.50	24



Fig. 45

**NAVY TYPE ANCHORS — Fig. 45**  
 Drop Forged Shank — Galvanized

Weight Pounds	Each	Weight Pounds	Each
5	\$ 4.65	20	\$12.00
10	7.40	25	15.75
15	9.90	30	18.40

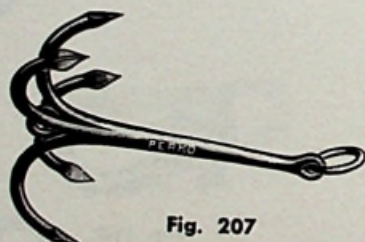


Fig. 207

**GRAPNELS — Fig. 207**  
 Galvanized Drop Forged Steel — Five Prong

Weight Pounds	Galvanized Each	Weight Pounds	Galvanized Each
4	\$ 8.50	15	\$21.00
7	11.25	20	27.50
10	13.00		

Larger sizes—prices on application.

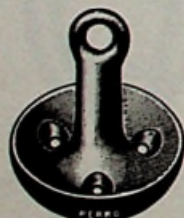


Fig. 1028

**FISHERMAN'S ANCHORS — Fig. 1028**  
 For Small Boats

Weight Pounds	Self Colored Each	Galvanized Each	Diam. Inches	Height Inches
7	\$2.80	\$4.10	6	8
11	3.90	5.85	7	9
15	4.90	7.45	8	10

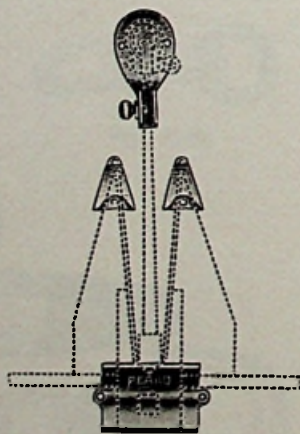


Fig. 933

**ANCHOR CHOCKS — Fig. 933**  
 For "Perko" Or "Danforth" Anchors — Cast Bronze

Consists of four parts illustrated. Head of shank is held fast by slotted casting and thumb screw.

Weight Per Set, 1¾ pounds

	Plain Bronze	Plain Chromium Plated
Complete, per set	\$6.00	\$6.75
Shank support only, each	2.75	3.00
Fluke supports only, per pair	2.00	2.25
Crown support only, each	2.00	2.25

**ANCHOR CHOCKS — Fig. 934**  
**For Northill "Twin Fluke" Anchors — Cast Bronze**

Consists of four parts illustrated. Weight per set 1 1/2 pounds.

	Plain Bronze	Plain Chromium Plated
Complete, per set .....	\$6.00	\$6.75
Shank Support only each .....	2.75	3.00
Fluke Supports only, per pair .....	2.00	2.25
Crown Support only, each .....	2.00	2.25



Fig. 934

**ROUND STEEL MOORING BUOY — Fig. 1068**  
**17" Diam. — 18 Gauge — Welded — Galvanized — Steel Rod Through Center — Eye On Top — Swivel On Bottom With 1 3/8" Diam. Rubber Bumper — Orange Finish**

Body of buoy is grooved to firmly hold rubber bumper in place. The buoy rod passes through a length of pipe and is not attached to body of buoy. All strain is on the rod.

Load capacity, half submerged is 60 pounds, dead weight, equal to 75 feet of 1/4 inch chain or 32 feet of 3/8 inch chain.

No. 1 protected with one coat zinc chromate and one coat orange enamel.

No. 2 is hot dipped galvanized inside and outside after fabrication.

No.	Each	Diameter Rod Inches	Size Inside Swivel Inches	Weight Pounds
1	\$36.00	3/8	3 1/2 x 2	17
2	40.00	3/4	3 1/2 x 2	18 1/2

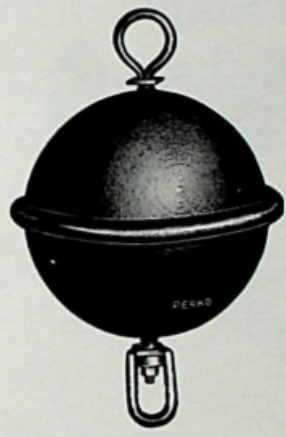


Fig. 1068

**CONE MOORING BUOY — Fig. 370**  
**With Rubber Bumper — Galvanized Sheet Iron**

Heavy galvanized iron, iron pipe running all the way through buoy, heavy galvanized 3/4 inch buoy rod through pipe allowing body to swivel, eye on top, swivel on bottom, body grooved for bumper which is of heavy 1 1/2 inch outside diameter rubber hose.

No.	Each	Body Size Inches	Load Capacity Dead Weight Pounds
1	\$46.00	16x24	35
2	54.00	20x30	60
3	68.00	24x36	90

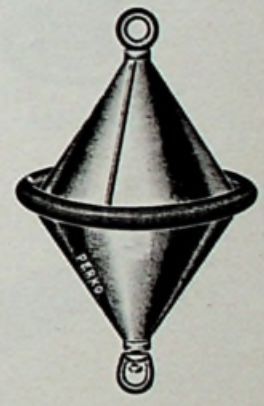


Fig. 370

**JUNIOR MOORING BUOY — Fig. 318**  
**For Runabouts And All Small Boats — Galvanized Sheet Iron**

Made of sheet iron with 1/2 inch forged steel galvanized rod through a galvanized pipe in body. Rod has eye on top and swivel on bottom. All the strain is on the rod.

Load capacity, half submerged, 25 lbs., dead weight. Equal to 35 feet of 1/4 inch chain.

No.	Each	Diam. Body Inches	Length Body Inches	Weight Pounds
1	\$18.00	12	15	10



Fig. 318

**BUOY RODS — Fig. 166**  
**Galvanized Steel**

No.	Each	Diameter Inches	Length Under Eye Inches	Weight Pounds
1	\$9.50	1/2	19	2 3/4
2	9.75	1/2	21	2 7/8
3	10.25	1/2	23	3 1/2
4	11.00	5/8	22	4 1/2
5	12.00	5/8	26	5 1/2
6	12.75	5/8	30	5 7/8
7	13.75	5/8	36	6 1/2

Swivels only, each \$2.00

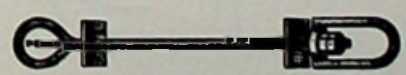


Fig. 166

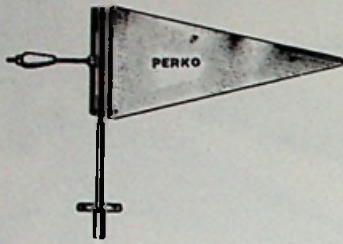


Fig. 435

**WIND PENNANTS — Fig. 435**

**Adjustable Counterbalance — Aluminum Pennant — Brass Standard — Red Anodized Finish**

Pennant swings on a needle point pivot and has an adjustable counterbalance should the weight of the pennant change from the application of paint or attachments of any kind.

Perfect balance and needle point bearing makes this pennant instantly responsive to the lightest of winds.

For Mast 1 Inch Diam. at Top,  $\frac{3}{16}$ " Hole

Each	Size of Pennant Inches	Height Overall Inches	Weight Ounces
\$3.75	6½x3	6½	2½

**BRASS AXE BRACKETS — Fig. 325**

**18 Gauge — Polished**

A set consists of one blade socket and one handle bracket as illustrated.



Fig. 325

Complete Sets Per Dozen	Blade Sockets Only Per Dozen	Handle Brackets Only Per Dozen	For Blade Width Inches	Weight Per Set Ounces
\$33.60	\$21.00	\$12.60	6	8

**BRASS ACORN NUTS — Fig. 465**

**Milled Finish**



Fig. 465

No.	Size Thread	Each	Size Hexagon Inches	Height Inches	Weight Ounces
1	8 -32	\$ .08	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{1}{4}$
2	$\frac{1}{4}$ -20	.10	$\frac{3}{16}$	$\frac{3}{8}$	$\frac{1}{4}$
3	$\frac{3}{8}$ -18	.35	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{4}$
4	$\frac{3}{8}$ -16	.40	$\frac{5}{8}$	$\frac{3}{4}$	$\frac{3}{4}$
5	$\frac{3}{8}$ -16	.45	$\frac{3}{8}$	1	1
6	$\frac{3}{8}$ -14	.45	$\frac{3}{4}$	$1\frac{1}{16}$	1
7	$\frac{1}{2}$ -13	.65	$\frac{3}{4}$	$1\frac{3}{8}$	2
8	$\frac{1}{2}$ -13	1.00	1	$\frac{3}{4}$	$2\frac{1}{2}$
9	$\frac{3}{8}$ -11	1.50	$1\frac{1}{4}$	$1\frac{1}{4}$	5
10	$\frac{3}{8}$ -18	1.00	$\frac{7}{8}$	$\frac{3}{4}$	$1\frac{1}{4}$
11	1 - 8	1.85	$1\frac{1}{8}$	$1\frac{3}{8}$	5



Fig. 453

**BRASS WING NUTS — Fig. 453**

**U. S. S. Thread**



Fig. 471

For Diam. Bolt Inches	Threads Per Inch	Plain Brass Each	For Diam. Bolt Inches	Threads Per Inch	Plain Brass Each
$\frac{3}{16}$	24	\$ .08	$\frac{1}{2}$	13	\$ .55
$\frac{1}{4}$	20	.09	$\frac{5}{8}$	11	1.75
$\frac{3}{8}$	18	.14	$\frac{3}{4}$	10	1.75
$\frac{1}{2}$	16	.25			

**QUARTER ROUND RUBBER MOULDING — Fig. 471**

**Black**

Generally used as trim or moulding around cabin windows and windshields.

Size  $\frac{3}{8}$  x  $\frac{3}{8}$  inches

Per Foot — \$.19

Supplied only in lengths of 25 feet.



Fig. 192

**RUBBER DRIP MOULDING — Fig. 192**

**White Synthetic Rubber —**

**Not Effected By Sun Or Weather**

Per Foot	Height Inches	Extension Inches	Weight Per Foot Ounces
\$3.2	$\frac{7}{8}$	$\frac{3}{8}$	$1\frac{1}{2}$

Supplied only in standard lengths of 10 feet.

**CONTINUOUS HINGE — Fig. 211**

**Wrought Brass**

For use on hatch covers, locker doors, windshields, etc.  
Holes are two inches apart, center to center.

No.	Width Open Inches	Length Inches	Polished Brass Each	Chromium Plated Each	Thickness Inches
1	1¼	60	\$4.00	\$5.25	.040
2	1¼	72	4.70	6.25	.040
3	1½	60	4.30	5.75	.040
4	1½	72	5.10	6.90	.040
5	2	60	5.50	7.20	.045
6	2	72	6.85	9.00	.045

1¼" and 1½" sizes drilled for No. 5 F. H. Wood Screw.  
2" size drilled for No. 6 F. H. Wood Screw.

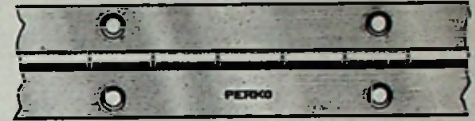


Fig. 211

**FLAT HATCH TRIM — Fig. 243**

**Wrought Brass**

For finishing around edges of hatch. Drilled and countersunk off center for No. 6 flat head screws.

No.	Width Inches	Length Inches	Brass Chromium Plated Each	Thickness Inches
2	1¼	72	\$4.25	.040
3	1½	60	4.25	.040
4	1½	72	5.00	.040

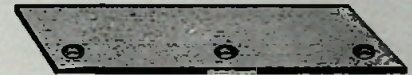


Fig. 243

**RUBBER FENDER MOULDING — Fig. 158**

**Half Round — White**

Width Inches	Per Foot	Thickness Inches	Weight Per 100 Ft. Pounds
1	\$ .33	½	22

Supplied only in 50 foot lengths.



Fig. 158

**FENDER MOULDING — Fig. 110**

**18-8 Stainless Steel .045" Thickness — Polished**

Punched and countersunk 8 inch centers for No. 7 oval head wood screws.

6 foot length has both ends pointed.

6 Foot Lengths Each	Width Outside Inches	Width Inside Inches	Weight Per Ft. Ounces
\$3.95	7/8	¾	3



Fig. 110

**MOULDING ENDS — Fig. 111**

**Cast Bronze — Chromium Plated**

Each	Length Overall Inches	Length Head Inches	Width Neck Inches	Weight Ounces
\$1.50	2¾	1⅝	¾	1½

For finishing cut end of moulding Fig. 110.



Fig. 111

**MOULDING COUPLINGS — Fig. 38**

**Cast Bronze**

For inside of Fig. 110 moulding at joint.

Each \$.40



Fig. 38

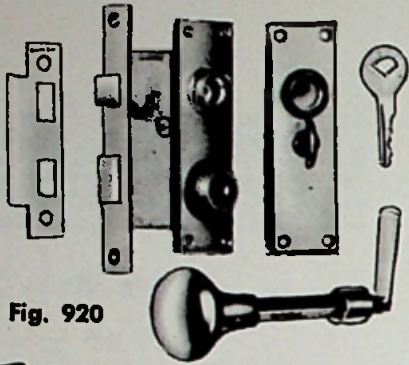


Fig. 920

**NEW "PICK PROOF" MORTISE LOCK SET — Fig. 920**  
**Cylinder Type — All Cast Brass —**  
**Chromium Plated — Reversible**

A good sturdy lock designed and built for marine use and the better class craft. For doors 1 1/8 to 1 3/8 inches thick. Backset 1 3/8 inches.

Per Set	Size Case Inches	Size Facing Inches	Size Escutcheon Inches	Diameter Knob Inches	Weight Pounds
\$21.25	3 x 2 1/8	4 1/2 x 1 1/16	4 x 1 3/16	1 7/16	1 1/2

**MORTISE LOCK SETS — Fig. 927**  
**All Brass Or 18-8 Stainless Steel — Reversible —**  
**With Screws**

Five disc tumbler type with dead bolt for inside. With round knob and lever handle, two keys.  
 For door 3/8 to 1 3/8 inches thick. Backset 1 1/8 inches.

Brass Chromium Plated Per Set	Stainless Steel Satin Finish Per Set	Size Case Inches	Size Facing Inches	Size Escutcheon Inches	Weight Pounds
\$9.80	\$9.05	2 11/16 x 1 1/2	4 x 1 1/16	4 3/8 x 1 1/8	7/8

**NOTE**—Stainless steel lock set is made of 302 series non-magnetic metal.

**MORTISE LATCH SETS — Fig. 960**  
**All Brass — With Screws — Reversible**

Locked by dead bolt inside, no keys, with round knob and lever handle.

For door 3/8 to 1 3/8 inches thick. Backset 1 3/8 inches.

Polished Brass Per Set	Chromium Plated Per Set	Size Case Inches	Size Facing Inches	Size Escutcheon Inches	Weight Pounds
\$6.75	\$8.25	2 x 1 3/4	3 1/4 x 1 1/16	4 x 1 3/8	1

**TUBULAR LATCH SETS — Fig. 567**  
**All Brass — For Small Cabin Doors —**  
**Polished Or Chromium Plated**

Polished Brass Each	Chromium Plated Each	For Thickness Doors Inches	Size Escutcheon Inches	Size Knob Inches	Back-set Inches
\$6.00	\$8.00	7/8 to 1 3/8	4 x 1 1/2	1 7/8	1 1/4

**RIM LATCH SETS — Fig. 928**  
**All Brass — Reversible — With Screws**

With round knob and lever handle, no keys. Locked by thumb bolt inside.

Polished Brass Per Set	Chromium Plated Per Set	Size Case Inches	Diameter Escutcheon Inches	Diam. Knob Inches	Weight Pounds
\$7.55	\$8.35	2 1/4 x 2	1 7/8	1 3/4	3/4

**NOTE** — If required with reverse bevel specify Fig. 930.

**PUSH-PULL LATCH SETS — Fig. 584**  
**Die Castings — Chromium Plated**

Factory pre-assembled for fastest installation. Just bore a single one-inch hole. Self adjusting for various door thicknesses, minimum thickness 3/4 inch.

Positive locking—stainless steel springs.

Per Set \$4.50

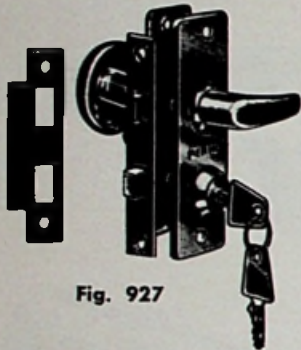


Fig. 927

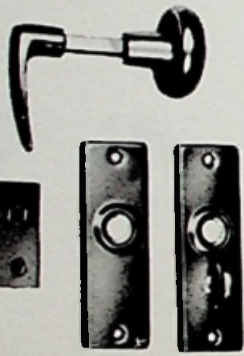


Fig. 960



Fig. 567

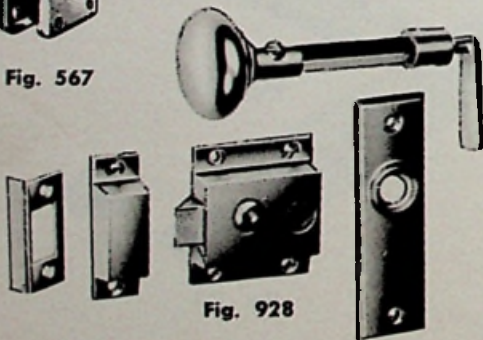


Fig. 928

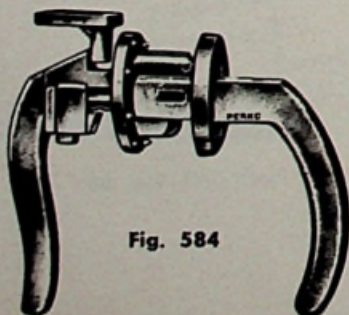


Fig. 584

**CUPBOARD CATCHES — Fig. 1102**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
1	\$2.75	\$3.55	1½x1½	1½
2	2.75	3.55	1½x1½	1¾

No. 2 has ¼ inch offset.

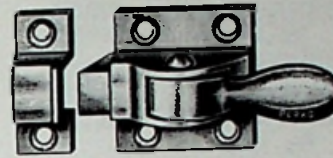


Fig. 1102

**CUPBOARD TURNS — Fig. 1105**

Wrought Brass

Furnished complete with screws.

Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
\$2.05	\$2.60	2¼x1½	3

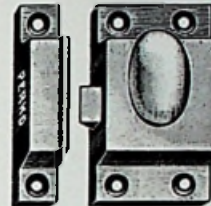


Fig. 949

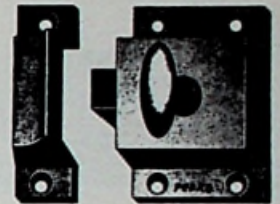


Fig. 1105

**CUPBOARD TURNS — Fig. 949**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
1	\$2.90	\$3.50	1¾x1¼	3½
2	3.35	4.10	2¼x1¼	5½

**FLUSH PULLS — Fig. 1110**

Cast Brass — For Drawers, Sash Or Sliding Doors

Inside recessed for finger grip as illustrated.

Polished Brass Each	Chromium Plated Each	Dimensions Overall Inches	Mortise Depth Inches	Weight Ounces
\$2.15	\$2.75	3½x1¼	¾	3½

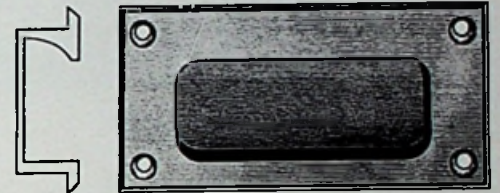


Fig. 1110

**CUPBOARD BOLT — Fig. 1101**

Cast Brass

Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
\$2.30	\$2.75	1¾x1¾	1½

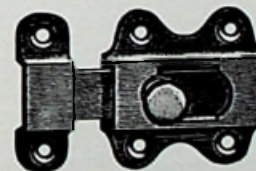


Fig. 1101

**FLUSH RING CATCHES — Fig. 1051**

Cast Brass

Polished Brass Each	Chromium Plated Each	Size Inches	Weight Ounces
\$2.20	\$2.75	1¾x1¼	1½

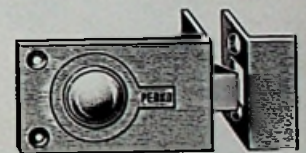


Fig. 1051

**FLUSH RING PULLS — Fig. 841**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Size Plate Inches	Weight Ounces
1	\$1.15	\$1.40	1¼x1½	1
2	1.45	1.75	1½x1¾	1½

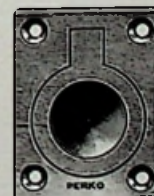


Fig. 841

**FLUSH RING PULLS — Fig. 1103**

Cast Brass — With Round Stock In Ring

No.	Polished Brass Each	Chromium Plated Each	Size Plate Inches	Weight Ounces
2	\$1.75	\$2.45	1¾x2½	2¾
3	2.75	3.25	2 x 2¾	3¾

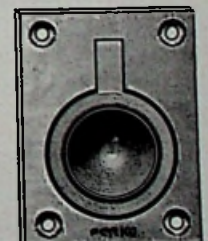


Fig. 1103



Fig. 947

**BARREL BOLTS — Fig. 947**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Length Rod Inches	Size Base Without Strike Inches	Weight Ounces
0	\$1.75	\$2.55	2 1/4	1 1/2 x 1 1/4	3 1/2
1	2.00	2.60	2 3/4	2 1/2 x 1 3/8	4
2	2.10	2.75	3 1/4	2 3/8 x 1 1/4	4 1/2
3	2.50	3.10	4 1/4	4 x 1 3/8	6



Fig. 1053

**SHIP BOLTS — Fig. 1053**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Size Without Strike Inches
1	\$2.20	\$2.75	2 3/8 x 1 1/8
2	2.50	3.00	3 3/8 x 1 3/8



Fig. 1054

**SQUARE NECK BOLTS — Fig. 1054**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Size Inches
1	\$2.75	\$3.35	3 x 1 1/4
2	3.05	3.65	4 x 1 3/8



Fig. 574

**DOOR STOP AND HOLDER — Fig. 574**

Cast Brass

Polished Brass Each	Chromium Plated Each	Diam. Base Inches	Projection Inches	Weight Ounces
\$5.15	\$6.35	1 3/8	3 1/2	7 1/4



Fig. 956

**CABIN DOOR HOOKS — Fig. 956**

Cast Brass

Lgth. Hook In.	Polished Brass Each	Chromium Plated Each	Wt. Ozs.	Lgth. Hook In.	Polished Brass Each	Chromium Plated Each	Wt. Ozs.
1 1/2	\$1.10	\$1.50	1	3 1/2	\$1.55	\$2.10	2 1/2
2	1.20	1.60	1 1/2	4	1.75	2.35	3
2 1/2	1.25	1.65	1 3/4	5	1.85	2.45	3 1/2
3	1.40	1.90	2	6	2.00	2.60	4



Fig. 957

**CABIN DOOR HOOKS — Fig. 957**

Double Jointed — Cast Brass

Length Overall Inches	Polished Brass Each	Chromium Plated Each	Length Overall Inches	Polished Brass Each	Chromium Plated Each
2 1/2	\$2.75	\$3.35	4	\$3.35	\$4.10
3	2.90	3.50	5	3.95	4.85
			6	4.25	5.15



Fig. 1108

**ANTI-RATTLE DOOR FASTENER — Fig. 1108**

Cast Brass

Polished Brass Each	Chromium Plated Each	Size Base Inches	Weight Ounces
\$3.95	\$5.15	3x2	6

Has 1/4 inch hole in lever for padlock.



**NEW "FLEXA" DOOR CATCHES — Fig. 554**

**White Nylon Catch — Stainless Steel Spring — With Brass, Chromium Plated Screws**

A new type door catch made for marine use. Will replace many other and more expensive catches and give better results. Positive grip, 18 lb. pull.

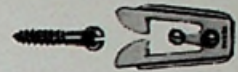


Fig. 554

Each Complete	Length Catch Inches	Length Ball Head Screw Inches	Weight Ounces
\$ .50	1 3/16	3/4	1/4

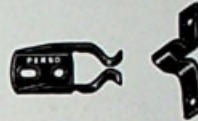


Fig. 1178

**CUPBOARD DOOR HOLDERS — Fig. 1178**

**Brass Plated**

A useful little friction catch for use on cabinets, closets, cupboards and all small doors, size overall — 1 1/2 x 1 1/8 inches.

Per Dozen ..... \$1.30

**FRICTION CATCHES — Fig. 178**

**All Brass — Adjustable Tension**

Illustrations are full size. Supplied complete with either round or oblong strike. Please specify.

Per Dozen \$2.85

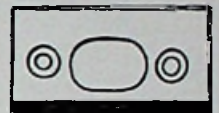
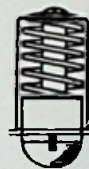


Fig. 178

**ELBOW CATCHES — Fig. 1056**

**Cast Brass**

Plain Brass Each	Polished Brass Each	Chromium Plated Each	Size Base Inches	Weight Ounces
\$ .75	\$ 1.20	\$ 1.55	1 1/4 x 3/4	1

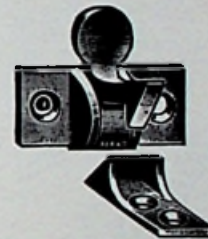


Fig. 1056

**DOOR HOLDERS — Fig. 1065**

**Side Pattern — Cast Brass**

Polished Bronze Per Set	Chromium Plated Per Set	Base of Holder Inches	Base of Clip Inches	Projection Inches
\$ 1.95	\$ 2.50	1 3/4 x 3/4	2 1/2 x 3/4	2



Fig. 1065

**SPRING TYPE DOOR BUTTON — Fig. 941**

**Brass — Chromium Plated**

Eliminates rattling doors because a Phosphor bronze coil spring under knob holds button snugly against the plate. Drilled and countersunk for #6 screw.

Each	Plate Diameter Inches	Width less Keeper Inches	Weight Ounces
\$ 2.95	1 5/8	1 1/8	1 1/2

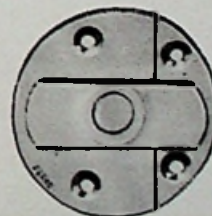


Fig. 941

**DOOR BUTTONS — Fig. 948**

**Cast Brass Button — Wrought Brass Plate**

No.	Diam. Inches	Polished Brass		Chromium Plated	
		Complete Per Dozen	Without Plate Per Dz.	Complete Per Dozen	Without Plate Per Dz.
1	1 1/2	\$ 7.30	\$ 2.65	\$ 13.05	\$ 4.60
2	1 3/4	8.00	3.30	13.80	5.30
3	2	9.10	4.00	14.90	5.85

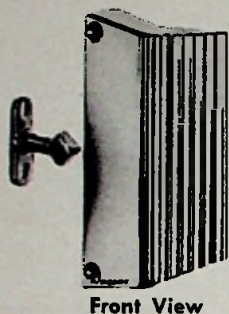


Fig. 948

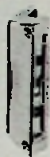
## NEW REFRIGERATOR HARDWARE

## ALL CHROMIUM PLATED

We offer this newly designed hardware for the modern boat. Handsomely finished in bright chrome. Made of high-grade pressure cast zinc alloy — All Individually packaged



Front View



Back View

Fig. 1067

## REFRIGERATOR LATCH — Fig. 1067

Per Set	Height Overall Inches	Width Handle Inches	Weight Pounds
\$5.25	6	2 $\frac{1}{4}$	1 $\frac{1}{8}$

## REFRIGERATOR LATCH — Fig. 1074

Adjustable Offsets  $\frac{7}{16}$  to  $\frac{7}{8}$  Inches With Screws

Per Set	Length Overall Inches	Width Overall Inches	Weight Pounds
\$6.25	5	1 $\frac{11}{32}$	1 $\frac{1}{16}$



Fig. 1074

## REFRIGERATOR LATCH — Fig. 1075

Adjustable Offset  $\frac{3}{8}$  to  $1\frac{1}{8}$  Inches — With Screws

Per Set	Length Overall Inches	Width Overall Inches	Weight Pounds
\$8.35	6 $\frac{3}{8}$	2 $\frac{1}{8}$	1 $\frac{1}{8}$

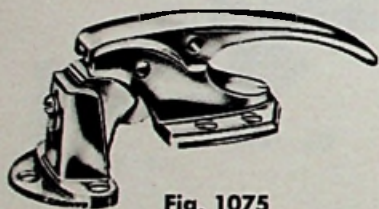


Fig. 1075

## REFRIGERATOR HINGES — Fig. 1076

$\frac{3}{4}$  Inch Offset — With Screws.  
Designed for light to medium weight doors.  
Oilite bushings, stainless steel pin

Per Pair	Length Overall Inches	Width Overall Inches	Weight Per Pair Pounds
\$7.40	5 $\frac{1}{2}$	3 $\frac{1}{8}$	1 $\frac{1}{2}$

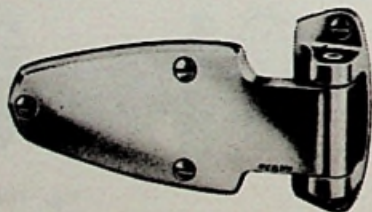


Fig. 1076

## REFRIGERATOR HINGE — Fig. 1077

$\frac{7}{8}$  Inch Offset — With Screws  
For all doors of moderate size but especially for glazed or panel doors.

Per Pair	Length Overall Inches	Width Overall Inches	Weight Per Pair Pounds
\$7.10	3 $\frac{7}{8}$	3 $\frac{1}{8}$	1 $\frac{1}{3}$

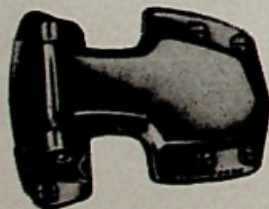


Fig. 1077

## REFRIGERATOR HINGE — Fig. 1078

Heavy Stamped Brass — Chromium Plated  
 $\frac{5}{8}$  Inch Offset — With Screws

Per Pair	Length Overall Inches	Width Overall Inches	Weight Per Pair Pounds
\$4.30	3 $\frac{5}{8}$	2 $\frac{3}{4}$	$\frac{1}{2}$

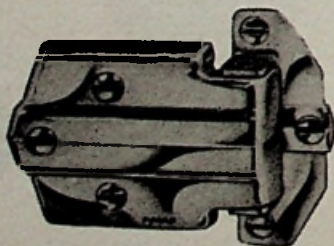


Fig. 1078

**CABINET LATCHES — Fig. 1064**

Cast Brass

With flush striking plate and brass pin, spring closing.  
Made either right or left hand.

Polished Brass Each	Chromium Plated Each	Length Overall Inches	Length Lever Inches
\$1.65	\$2.15	2½	2

Specify right or left hand.



Fig. 1064



Fig. 1063

**REFRIGERATOR FASTENERS — Fig. 1063**

Cast Brass

Made either right or left hand with flush striking plate. Holds door without strain on the rivet. Has brass pin. Illustration shows right hand.

No.	Chromium Plated Each	Length Overall Inches	Size Lever Inches
1	\$4.25	5	4

Specify right or left hand.

**REFRIGERATOR LATCH — Fig. 1066**

Cast Bronze — Chromium Plated —  
Flush or 7/16 Inch Offset

Flush Each	Offset Each	Dimensions Base Inches	Length Lever Inches	Weight Ounces
\$6.20	\$6.20	2½ x 1¾	2½	9

Offset shipped unless otherwise specified.  
Base dimensions do not include keeper.

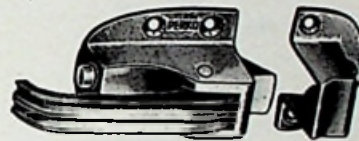


Fig. 1066

**REFRIGERATOR HINGES — Fig. 1072**

Cast Brass — Chromium Plated — 7/16 Inch Offset

Per Pair	Length Strap Inches	Length Overall Inches	Width Overall Inches	Weight Per Pair Ounces
\$6.50	2½	3¾	1¾	7

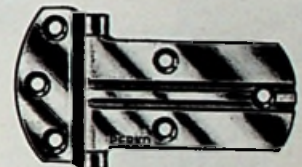


Fig. 1072

**EDGE PULL — Fig. 984**

For Sliding Doors  
Zamak Die Casting — Chromium Plated

Each	Length Inches	Width Inches	Recess Required Inches	Weight Ounces
\$0.75	3½	¾	¾	1



Fig. 984



Fig. 925

**DRAWER KNOBS — Fig. 925**

Brass — For Drawers Up To 1½" Thick

Polished Brass Per Dozen	Chromium Plated Per Dozen	Diameter Inches	Weight Per Dozen Ounces
\$6.75	\$8.75	1	12

**DRAWER PULLS — Fig. 958**

Pressed Brass

Polished Brass Each	Chromium Plated Each	Width Overall Inches	Width Inside Inches	Weight Ounces
\$0.45	\$0.65	3¼	2¾	1

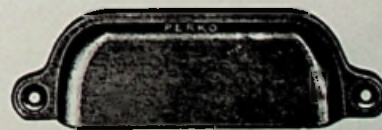


Fig. 958



Fig. 120

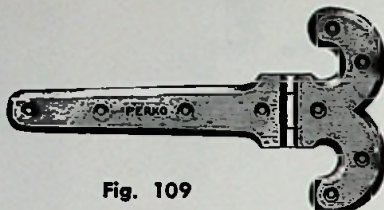


Fig. 109

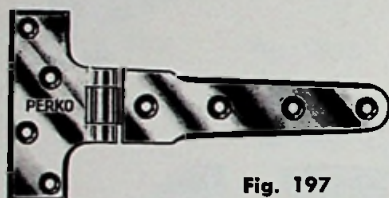


Fig. 197



Fig. 556

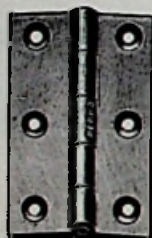


Fig. 952

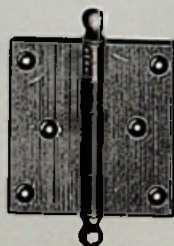


Fig. 953



Fig. 1058

**STRAP HINGES — Fig. 120**  
Galvanized Malleable Iron Or Bronze

Length Open Inches	Galvanized Per Pair	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Weight Per Pair Pounds
4	\$1.40	\$2.05	\$4.25	\$4.60	3/16
6	2.20	2.60	4.90	5.30	5/16
8	3.15	4.20	6.00	6.60	7/16

**PORT HINGES — Fig. 109**  
Galvanized Malleable Iron Or Brass — Brass Pins

Length Open Inches	Galvanized Per Pair	Plain Brass Per Pair	Chromium Plated Per Pair	Width Overall Inches	Weight Per Pair Pounds
4	\$1.60	\$ 3.60	\$ 7.00	3 1/2	1/2
6	2.50	4.80	9.50	4	7/8
8	4.25	7.75	13.50	5 1/8	1 1/2
10		10.30	18.00	5 1/2	2
12		14.80	23.00	5 3/4	2 3/4

**"T" HINGES — Fig. 197**

Cast Bronze — Brass Pins

Length Open Inches	Plain Per Pair	Polished Per Pair	Chromium Plated Per Pair	Width Overall Inches	Weight Per Pair Pounds
4	\$ 3.95	\$ 6.65	\$ 8.15	2 1/2	1/2
6	5.45	8.20	9.55	3	7/8
8	8.50	11.50	13.80	4	1 1/2
10	11.55	15.50	18.20	5	2
12	14.55	18.20	21.00	5	2 3/4

**LADDER HINGES — Fig. 556**

Cast Manganese Bronze

Polished Bronze Per Pair	Chromium Plated Per Pair	Length Open Inches	Width Inches	Weight Per Pair Ounces
\$5.70	\$6.45	5 3/4	3/4	9

**FAST PIN BUTT HINGES — Fig. 952**

Heavy Extruded Brass — With Brass Pin

Size Open Inches	Emery Finish Per Pair	Polished Chromium Plated Per Pair	Size Open Inches	Emery Finish Per Pair	Polished Chromium Plated Per Pair
1 1/2 x 1 1/4	\$1.65	\$2.65	2 1/2 x 1 3/4	\$3.30	\$4.75
1 1/2 x 1 1/2	2.10	3.05	2 1/2 x 2	3.30	4.75
2 x 1 1/4	2.25	3.10	2 1/2 x 2 1/2	3.55	5.00
2 x 1 1/2	2.25	3.10	3 x 2	3.55	5.00
2 x 1 3/4	2.40	3.25	3 x 2 1/2	3.65	5.35
2 x 2	2.40	3.25	3 x 3	4.30	5.85

**LOOSE PIN BUTT HINGES — Fig. 953**

Heavy Extruded Brass — With Brass Pin

Size Open Inches	Pol. Brass Per Pair	Chromium Plated Per Pair	Size Open Inches	Pol. Brass Per Pair	Chromium Plated Per Pair
1 1/2 x 1 1/2	\$3.00	\$3.75	2 1/2 x 2 1/2	\$4.95	\$6.45
2 x 1 1/2	3.30	4.40	3 x 2	5.20	6.80
2 x 2	3.65	4.85	3 x 2 1/2	5.60	7.40
2 1/2 x 2	4.20	5.50	3 x 3	5.85	7.70

**BUTTERFLY HINGES — Fig. 1058**

Wrought Brass — Plain

No.	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair
1	\$.30	\$.40	\$.55
2	.50	.60	1.00

No.	Length Open Inches	Width at Pin Inches	Weight Per Pair Ounces	Thickness Inches
1	2 1/4	3/4	1 1/2	.040
2	3 1/4	1 1/4	1 1/2	.045

**DOOR HINGES — Fig. 808**

Zamak Die Casting — Chromium Plated

These attractively shaped hinges are bored and countersunk for No. 8 screw.

Per Pair	Open Length Inches	Extreme Width Inches	Weight Per Pair Ounces
\$2.50	3	1 1/2	4

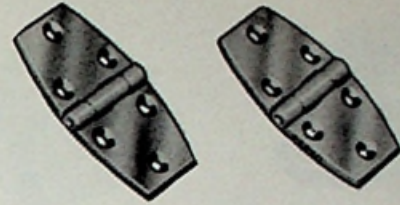


Fig. 808

**CABINET HINGES — Fig. 768**

Brass — Polished Or Chromium Plated — Flush Or Offset

	Polished Brass Per Pair	Chromium Plated Per Pair	Size Open Inches	Gauge	Weight Per Pair Ounces
Offset	\$1.25	\$1.35	2 3/8 x 1 1/2	14	2
Flush	1.25	1.35	2 3/8 x 1 1/2	14	2

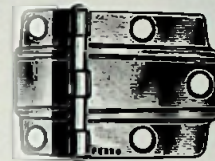


Fig. 768

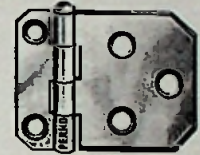


Fig. 772

**CABINET HINGES — Fig. 772**

Brass — Polished Or Chromium Plated — Flush Or Offset

Packed one dozen pairs per box, complete with screws. Offset is 3/8 inch.

	Polished Brass Per Pair	Chromium Plated Per Pair	Size Open Inches	Gauge	Weight Per Pair Ounces
Offset	\$1.85	\$2.25	2 x 1 1/2	14	2
Flush	1.85	2.25	2 x 1 1/2	14	2

**SPRING HINGES — Fig. 1059**

Wrought Brass — Plain

No.	Per Pair	Length Inches	Width Open Inches	Weight Per Pair Ounces
1	\$1.15	2 3/8	1 1/8	3
2	1.85	3	2 3/8	5



Fig. 929

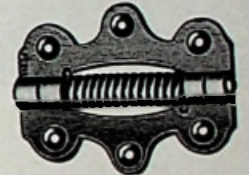


Fig. 1059

**FLAP HINGES — Fig. 929**

Wrought Brass — Thickness .050 Inches

Polished Brass Per Pair	Chromium Plated Per Pair	Length Open Inches	Extreme Width Inches	Weight Per Pair Ounces
\$.85	\$1.10	2	7/8	1 1/4

**HATCH HINGES — Fig. 773**

Cast Bronze

For use with flush hatch cover.

Plain Bronze Per Pair	Polished Bronze Per Pair	Chromium Plated Per Pair	Length Inches	Width Overall Inches	Weight Per Pair Pounds
\$7.30	\$12.50	\$14.00	3 1/2	2 3/4	1 3/4

Illustration shows one half pair.

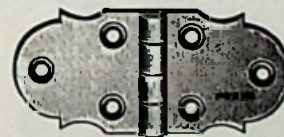


Fig. 950 Stainless Steel  
Fig. 924 Brass



Fig. 773

**CUDDY DOOR HINGE — Fig. 950**

18-8 Stainless Steel — Polished — Stainless Steel Pin — Thickness .075 Inches

A good sturdy hinge strong enough for all doors but lightweight for cupboard and closet doors.

Per Pair	Length Open Inches	Width Inches	Diam. Pin Inches	Weight Per Pair Ounces
\$2.30	3	1 1/2	3/16	3

**CUDDY DOOR HINGES — Fig. 924**

Wrought Brass — Thickness .060 Inches

Polished Brass Per Pair	Chromium Plated Per Pair	Length Open Inches	Extreme Width Inches
\$1.20	\$1.45	2 3/8	1 3/8

**CUDDY DOOR HINGES — Fig. 951**

Cast Bronze

Length Open Inches	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair
3	\$2.10	\$2.45	\$3.35
4	2.45	3.05	4.25
5	3.05	3.65	5.15



Fig. 951

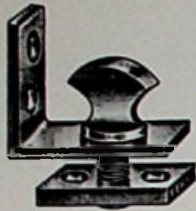


Fig. 719

**TABLE LEG FASTENERS — Fig. 719**

Cast Brass — For Fastening Table Leg To Deck

Plain Brass Each	Polished Brass Each	Chromium Plated Each	Length Angle Inches	Width Angle Inches	Weight Ounces
\$2.25	\$2.75	\$3.75	1 3/4	3/8	4



Fig. 777

**SASH FASTENERS — Fig. 777**

Left Or Right Hand — Cast Bronze

Polished Bronze Each	Chromium Plated Each	Size Mounting Plate Inches	Weight Ounces
\$1.65	\$2.10	1 3/4 x 1	1 1/2

Please specify left or right hand.



Fig. 770

**SASH OR SKYLIGHT FASTENERS — Fig. 770**

Cast Bronze

Size Inches	Burnished Finish Each	Polished Bronze Each	Chromium Plated Each
3/8 x 4	\$3.35	\$4.50	\$5.15

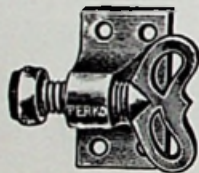


Fig. 839

**SASH ANTI RATTLERS — Fig. 839**

Cast Bronze

Furnished with leather tip to prevent defacing of wood-work. Size of base 1 1/4" x 1".

Polished Bronze Each	Chromium Plated Each
\$2.75	\$3.35



Fig. 979

**SECURITY HINGED HASPS — Fig. 979**

Wrought Brass — 14 B. & S. Gauge

A lightweight but strong hasp. Ideal for lockers, cupboards, chests, etc.

Polished Brass Each	Chromium Plated Each	Length Closed Inches	Width Inches	Weight Ounces
\$1.05	\$1.35	2 3/4	1	1 1/4

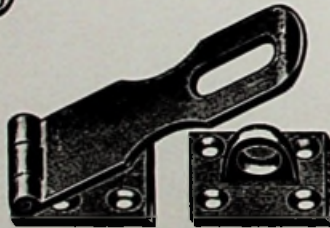


Fig. 955

**SECURITY HINGED HASPS — Fig. 955**

Cast Bronze

Length Closed Inches	Polished Bronze Each	Chromium Plated Each	Width Inches	Weight Ounces
2	\$1.85	\$2.35	1	1 1/2
3	1.90	2.40	1	2 1/2
3 3/4	2.15	2.65	1 1/8	4 1/2

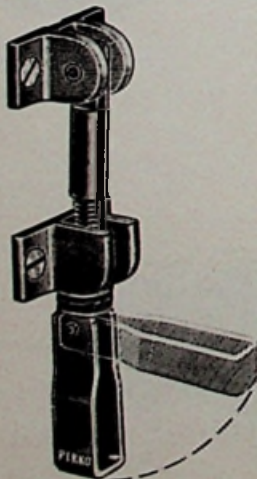


Fig. 769

**HATCH FASTENER OR WINDSHIELD KEEPER — Fig. 769**

All Brass

Speedy and simple operation by throwing the lever to fasten the hatch securely or to open it quickly. Rod is threaded and lever has live rubber washer for adjustable tightness.

Plain Brass Each	Chromium Plated Each	Dimensions For Each Base Inches	Weight Ounces
\$4.25	\$5.50	1 1/2 x 3/4	4 1/2

**FLUSH HATCH LIFT — Fig. 776**

Brass — Chromium Plated

A new idea in hatch lifts, this Perko exclusive fits flush and can be easily popped open for use in a jiffy. It's simple to install... no mortising necessary thanks to thin upper flange (1/16"). Tough Phosphor bronze coil spring assures trouble-free operation for many years.

Each	Overall Diameter Inches	Knob Diameter Inches	Depth Closed Inches	Depth Open Inches	Weight Ounces
\$3.75	2 1/2	1 3/8	1 3/8	1	3 1/2



Open

Fig. 776

Closed

**FLUSH HATCH LIFTING HANDLE — Fig. 774**

Cast Brass — Safety Type

No recess to catch heels, chair or table legs, etc.

Polished Bronze Each	Chromium Plated Each	Size Plate Inches	Handle Inside Inches	Weight Ounces
\$3.90	\$4.40	3 x 2 1/4	1 1/4 x 1	6



Fig. 774

**FLUSH DROP HANDLES — Fig. 1111**

Cast Brass — Recessed Type — For Chest, Hatches, Etc.

No.	Polished Brass Each	Chromium Plated Each	Size Plate Inches	Width Inside Handle Inches	Weight Ounces
1	\$3.35	\$3.80	3 x 2 1/4	1 7/8	4
2	3.95	4.55	3 1/2 x 2 1/2	2 3/8	6 1/2
3	6.10	6.85	4 3/4 x 4	2 3/4	19



Fig. 1111

**FLUSH HATCH LIFTING RING — Fig. 575**

Cast Brass — Safety Type

No recess to catch heels, chair or table legs, etc.

No.	Polished Brass Each	Chromium Plated Each	Size Plate Inches	Inside Ring Inches	Weight Ounces
1	\$1.75	\$2.45	2 1/2 x 1 1/2	1 1/2	3 1/4
2	2.75	3.35	2 3/4 x 2 1/4	1 1/4	6



Fig. 575

**HATCH SUPPORT HINGES — Fig. 758**

Cast Brass — Chromium Plated

Cut shows left hand hinge.

Length Open Inches	Per Pair	Drilled for Screw No.	Weight Ounces Per Pair	Packed Per Box Pairs
8	\$7.00	5	4	12
10	8.20	6	6	12
12	8.75	6	8	12

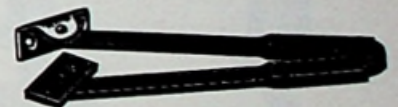


Fig. 758

**HATCH ADJUSTERS — Fig. 797**

Cast Bronze

Polished Bronze Each	Chromium Plated Each	Length Arm Inches	Length Adjustment Inches	Length Plate Inches	Weight Ounces
\$6.65	\$8.50	10	9 1/2	10 3/4	13

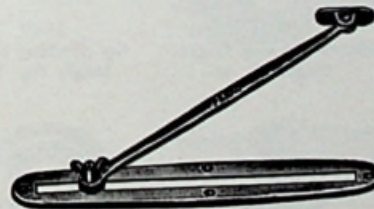


Fig. 797

**CASEMENT ADJUSTERS — Fig. 1179**

All Brass — Heavy Pattern

A non-slip adjuster with powerful grip to stay put in position desired.

Illustration shows swivel base on left side and swinging base on right.

No.	Chromium Plated Each	Length Closed Inches	Length Open Inches	Diam. Outside Tube Inches	Weight Ounces
1	\$8.50	10	18	1/2	9
2	9.25	12	20	1/2	11

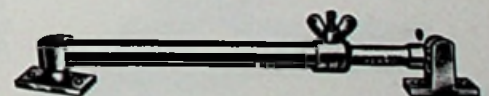


Fig. 1179

**CASEMENT OR WINDSHIELD ADJUSTERS — Fig. 1116**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Length Inches	Diam. Rod Inches	Weight Ounces
1	\$6.50	\$7.00	8	3/8	11
2	6.55	7.25	10	3/8	12
3	6.60	7.30	12	3/8	13

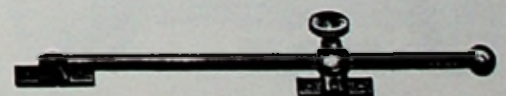


Fig. 1116



Fig. 959



Fig. 975



Fig. 635



Fig. 1106



Fig. 610



Fig. 1000

**COAT AND HAT HOOK — Fig. 959**

**Cast Brass — With Screws**

Polished Brass Each	Chromium Plated Each	Projection Inches	Width Base Inches	Weight Ounces
\$ .50	\$ .65	2 1/8	1 1/8	1 1/4

**COAT AND HAT HOOK — Fig. 975**

**Zamak Die Casting — Chromium Plated**

Chromium Plated Each	Projection Inches	Width Base Inches	Weight Ounces
\$ .35	2	1 1/8	1

**WARDROBE HOOK — Fig. 635**

**Cast Brass — With Screws**

Chromium Plated Each	Projection Inches	Width Inches	Weight Ounces
\$ .75	2	1 1/4	1

**WARDROBE HOOK — Fig. 1106**

**Cast Brass — With Screws**

Chromium Plated Each	Projection Inches	Width Base Inches	Weight Ounces
\$ .75	2 3/8	3 3/8	1 1/4

**UTILITY HOOK — Fig. 610**

**Cast Brass — With Screws**

Polished Brass Per Dozen	Chromium Plated Per Dozen	Projection Inches	Width Base Inches	Weight Ounces
\$4.80	\$6.20	1 1/8	1 1/8	1

**CURTAIN OR GROMMET HOOKS — Fig. 1000**

**Cast Brass**

Plain Brass Per Dozen	Diam. Flange Inches	Length Screw Inches
\$3.25	3/8	1/2



STUD

With Wood Screw  
Single Fig. 114  
Double Fig. 115



STUD

With Tapping Screw  
Single Fig. 90



STUD

For Machine Screw  
Single Fig. 156



Clinch Stud  
Single Fig. 60  
Double Fig. 61



Clinch Washer  
Fig. 62



SOCKET  
Single Fig. 116  
Double Fig. 117



Clinch Plate  
Fig. 118

**"LIFT THE DOT" ALL BRASS FASTENERS**

Stud Fig. 114 & 115 have brass 1/2 inch No. 8 wood screw.  
Stud Fig. 156 is tapped for No. 6-32 screw  
Stud Fig. 90 has steel 3/8 inch No. 8 self tapping screw.  
Single Studs are used with one Fig. 116 and one Fig. 118  
Double Studs are used with two Fig. 117 and two Fig. 118

Fig.	Nickel Plated Per 100	Chromium Plated Per 100
60	\$ 6.75	\$ 9.60
61	13.50	16.50
62	2.00	4.85
90	7.50	10.00
114	9.00	11.50
115	10.50	13.00
116	9.75	12.50
117	10.00	14.00
118	2.00	5.00
156	15.50	21.00

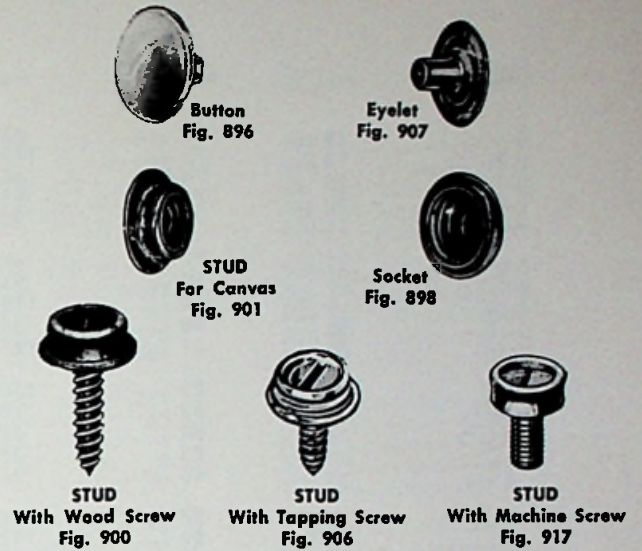
Note—Price of Fig. 156 does not include machine screw, just the tapped stud only.



**ALL BRASS "DURABLE DOT" FASTENERS**

Stud Fig. 900 has brass 1/4" No. 6 wood screw.  
 Stud Fig. 906 has steel 3/8" No. 7 self-tapping screw.  
 Stud Fig. 917 has brass 8-32 machine screw 3/8" long.  
 For canvas to wood, use Figs. 896, 898 and 900.  
 For canvas to canvas, use Figs. 896, 898, 901 and 907.

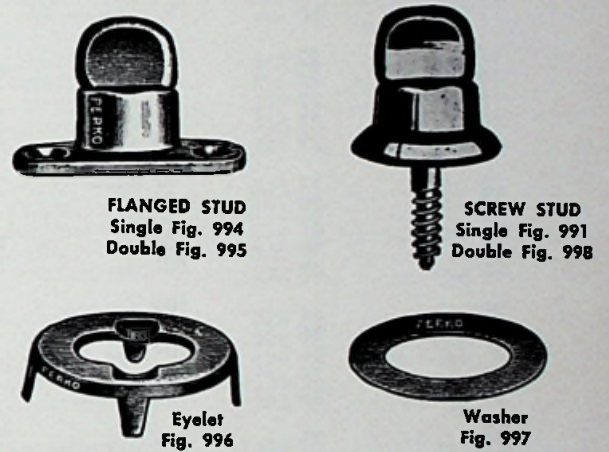
Fig.	Nickel Plated Per 100	Chromium Plated Per 100
896	\$3.00	\$ 6.00
898	2.25	5.25
900	7.00	10.00
901	1.50	4.25
906	5.75	8.50
907	1.30	4.25
917	6.50	9.00



**ALL BRASS CURTAIN FASTENERS**

Stud Figs. 991, 998 has brass 3/4" No. 7 wood screw.  
 Single Studs used with one Fig. 996 and one Fig. 997.  
 Double Studs used with two Fig. 996 and two Fig. 997.

Fig.	Nickel Plated Per 100	Chromium Plated Per 100
991	\$31.00	\$35.00
994	24.00	28.00
995	26.50	30.50
996	3.50	6.50
997	2.00	5.00
998	33.50	37.50



**HAND PUNCH — Fig. 284**  
 For "Curtain Fasteners" —  
 Cast Iron With Steel Cutters

Each .....\$10.90

**HAND SCREW DRIVER — Fig. 290**  
 For "Lift The Dot" Studs —  
 Steel With Wood Handle

Each .....\$4.25

**HAND PUNCH — Fig. 285**  
 For "Lift The Dot" Fasteners—  
 Cast Iron With Steel Cutters

Each .....\$5.30

**HAND SET TOOL — Fig. 905**  
 For "Durable Dot" Buttons and Eyelets — Steel

Each .....\$2.90

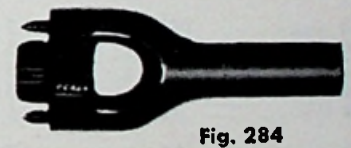


Fig. 284



Fig. 290



Fig. 285

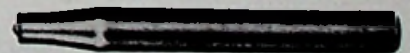


Fig. 905

## INDEX OF FIGURE NUMBERS

Figure Number	Page	Figure Number	Page	Figure Number	Page	Figure Number	Page
0-1	19	72	63	144	89	216	54
0-2	18	73	112	145	11	217	49
0-4	20	74-P	67	146	81	218	130
0-5	20	75	95	147	82	219	130
0-6	18	76	95	148	131	220	130
0-8	21	77	67	149	72	221	130
0-9	21	78	95	150	145	222	59
0-10	19	79	112	151	82	223	138
0-40	20	80	36	152	83	224	138
0-50	20	81	137	153	66	225	49
0-80	21	82	134	154	154	226	138
0-90	21	83	10	155	72	227	43
1	19	84	28	156	176	228	43
3	19	85	55	157	97	229	149
4	22	86	95	158	165	230	64
5	22	87	152	159	145	231	64
9	25	88	152	160	121	232	4
11	18	89	17	161	121	233	129
12	18	90	176	162	145	236	139
15	60	91	17	163	60	238	124
17	22	92	17	164	60	238-A	124
18	22	93	110	165	60	239	79
19	22	94	64	166	163	240	90
20	22	95	153	167	145	241	41
21	29	96	153	168	48	242	64
22	37	97	15	170	50	243	165
23	29	98	15	171	50	244	105
26	61	99	15	172	127	245	64
27	49	100	152	173	64	246	64
28	49	101	152	176	15	247	5, 67
29	34	102	95	177	89	248-P	67
30	28	103	10	178	169	249	67
31	34	104	10	179	122	250	67
32	28	105	54	180	131	251	67
35	36	106	67	181	90	252	105
36	23	107	152	182	124	254	104
38	165	108	82	183	145	255	55
39	36	109	172	184	57	256	68
41	23	110	165	185	131	257	67
42	61	111	165	186-P	67	258	15
43	151	112	9	189	131	259	68
44	23	113	9	190	139	260	68
45	162	114	176	191	56	261	68
46	25	115	176	192	164	262	64
48	23	116	176	194	153	263	81
49	25	117	176	195	153	264	64
50	36	118	176	196	60	265	88
51	151	119	120	197	172	266	81
52	59	120	172	199	127	267	64
53	52	121	60	200	83	268	43
56	52	124	80	201	84	269	68
57	52	125	35	202	83	270	60
58	46	126	34	203	79	271	90
59	34	127	37	204	79	272	64
60	176	128	48	205	79	273	144
61	176	129	29	206	79	274	65
62	176	130	66	207	162	275	144
63	35	132	67	208	79	276	59
64	94	133	67	209	79	277	130
65	95	138	66	210	88	278	107
66	95	139	153	211	165	279	153
67	95	140	153	212	88	280	153
68	36	141	48	213	80	281-P	67
69	19	142	135	214	112	282	66
70	52	143	57	215	132	283	41

Figure Number	Page	Figure Number	Page	Figure Number	Page	Figure Number	Page
284	177	355	61	426	159	495	7
285	177	356	90	427	122	496	7
286	65	357	91	428	10	497	161
287	65	358	148	429	43	498	132
288	66	359	149	430	73	499	78
290	177	360	134	431	117	500	158
291	65	362	10	432	132	501	147
292	65	363	81	433	42	502	138
293	65	364	70	434	98	503	137
294	51	365	71	435	164	504	17
295	110	366	154	436	122	505	17
296	51	367	70	437	40	506	137
297	39	368	70	438	8	507	5
298	110	369	71	439	8	508	5
299	116	370	163	440	42	509	137
301	50	371	11	441	98	510	74
302	64	372	69	442	98	511	119
303	125	373	71	443	98	513	74
304	49	374	71	444	140	514	54
305-P	2	375	9	446	125	516	53
306	42	376	70	447	125	517	53
307	155	377	148	448	141	518	54
309	11	378	111	449	141	519	53
310	55	379	132	450	49	520	137
311	94	380	132	451	140	521	9
312	48	381	55	452	40	522	158
313-P	2	382	90	453	164	523	158
314	156	383	51	454	40	524	100
315	77	384	94	455	8	525	138
316	55	385	51	456	79	526	136
317	97	386	80	457	79	527	136
318	163	387	80	458	140	528	136
319	159	388	76	459	157	529	39
320	112	389	111	460	140	531	137
322	94	390	157	461	98	532	52
323	77	394	157	464	116	533	135
324	77	395	121	465	164	540	25
325	164	396	157	466	156	541	25
326	116	397	124	467	89	542	25
327	111	399	33	468	156	543	147
328	110	400	122	469	161	544	118
329	8	401	124	470	33	544-A	118
330	8	402	90	471	164	546	120
331	107	403	24	472	60	547	135
332	95	404	8	473	89	549	77
333	159	405	59	474	33	550	76
335	81	406	122	475	141	554	169
336	81	407	105	476	5	555	51
337	52	408	23	477	57	556	172
339	77	410	80	478	5	557	146
340	52	411	155	479	98	558	142
341	50	412	125	481	142	560	142
342	130	413	132	481-A	142	561	16
343	130	414	80	482	98	562	151
344	147	415	125	483	154	563	16
345	105	416	125	485	33	564	150
346	59	417	154	486	143	565	150
347	90	418	125	487	143	566	118
348	4	419	136	488	11	567	166
349	145	420	145	489	11	568	156
350	94	421	8	490	138	569	156
351	147	422	8	491	8	570	74
352	110	423	57	492	138	571	74
353	110	424	57	493	116	572	119
354	109	425	57	494	24	574	168

## INDEX OF FIGURE NUMBERS

Figure Number	Page	Figure Number	Page	Figure Number	Page	Figure Number	Page
575	175	662	86	739	61	819	112
576	144	666	86	740	88	820	100
578	127	669	146	741	117	821	93
580	7	671	113	744	73	822	107
582	65	672	113	745	54	823	91
583	74	673	113	746	61	825	91
584	166	674	100	747	59	826	136
586	91	675	100	748	73	828-D	93
587	142	677	89	749	61	829-D	93
588	65	678	100	750	117	830	91
589	113	679	110	751	61	831	91
591	143	680	161	752	121	832	91
592	143	681	84	753	51	833	93
596	18	682	85	754	148	834	93
596-A	18	683	85	755	112	835	93
597	117	684	85	756	161	836	94
598	142	685	85	757	117	836-A	94
599	149	686	69	758	175	838	97
600	8	687	6	759	154	839	174
602	147	688	54	760	148	841	167
604	67	689	86	765	161	842	160
605	5	690	101	766	158	843	94
606	160	692	110	767	158	844	94
607	125	693	69	768	173	845	94
608	117	694	58	769	135, 174	846	94
609	6	695	101	770	174	847	109
610	176	696	87	771	75	848	109
611	150	697	134	772	173	849	94
612	160	699	108	773	173	850	118
613	160	700	162	774	175	851	118
614	144	701	82	775	123	852	120
617	149	702	82	776	175	853	123
622	158	703	101	777	174	854	123
623	158	704	79	778	72	855	94
624	158	705	79	779	161	856	94
625	7	706	69	780	87	857	148
626	58	707	43	781	87	860	92
627	58	708	69	782	75	861	122
628	115	709	79	783	76	862	122
629	58	710	108	784	159	865	106
630	69	711	108	785	159	866	133
634	150	713	131	786	57	867	133
635	176	714	81	787	113	877	151
636	109	714-A	81	788	129	881	151
637	109	715	107	791	72	882	151
638	128	716	107	792	106	895	119
639	128	717	146	793	106	896	177
640	160	718	54	794	129	897	96
641	129	719	174	795	139	898	177
642	129	720	108	796	96	900	177
643	128	721	79	797	175	901	177
644	128	722	79	799	139	905	177
645	129	723	83	800	162	906	177
646	129	727	88	803	96	907	177
647	58	728	88	804	139	908	75
648	129, 143	730	109	805	143	909	94
651	103	731	109	808	173	910-A	12
652	128	732	148	809	111	911-A	12
655	143	733	65	810	103	912-A	12
656	161	734	112	813	103	913-A	12
657	102	735	65	814	127	914	102
658	7	736	65	815	103	917	177
659	160	737	81	816	103	920	166
660	6	737-A	81	817	122	921	155
661	101	738	112	818	103	922	155

Figure Number	Page	Figure Number	Page	Figure Number	Page	Figure Number	Page
923	155	1013	32	1117	144	1223	120
924	173	1014	32	1118	144	1224	127
925	171	1015	155	1122	62	1225	126
927	166	1016	82	1123	62	1226	148
928	166	1017	121	1124	62	1227	128
929	173	1018	82	1125	63	1228	128
930	166	1019	115	1126	63	1229	123
931	75	1020	124	1127	63	1230	7
932	149	1021	114	1128	62	1231	123
933	162	1023	47	1129	62	1233	5
934	163	1024	47	1130	62	1234	123
935	98	1025	47	1131	63	1236	4
937	98	1028	162	1132	63	1237	49
938	12	1030	119	1134	31	1238	123
939	12	1031	46	1135	31	1240	121
940	139	1032	47	1137	31	1241	150
941	169	1033	46	1138	16	1242	151
946	107	1034	47	1139	16	1243	149
947	168	1035	45	1140	3	1244	123
948	169	1036	46	1141	4	1245	137
949	167	1037	46	1144	4	1246	135
950	173	1040	89	1146	3	1248	119
951	173	1041	160	1150	26	1249	127
952	172	1042	160	1151	26	1250	118
953	172	1043	126	1152	26	1251	126
954	98	1044	127	1153	26	1252	56
955	174	1045	46	1154	26	1253	120
956	168	1050	126	1155	27	1254	123
957	168	1051	167	1156	27	1255	149
958	171	1053	168	1157	27	1256	149
959	176	1054	168	1158	27	1257	99
960	166	1055	115	1159	27	1258	130
961	111	1056	169	1160	3	1259	130
962	13	1058	172	1162	30	1260	3
963	13	1059	173	1163	24	1261	149
964	13	1062	76	1164	30	1266	50
965	13	1063	171	1165	30	1269	123
966	13	1064	171	1166	30	1270	99
967	134	1065	169	1167	30	1271	99
968	56	1066	171	1168	30	1272	99
969	56	1067	170	1169	30	1273	126
970	56	1068	163	1170	30	1274	3
971	56	1069	76	1171	30	1275	131
974	56	1070	104	1175	155	1276	137
975	176	1071	104	1176	154	1277	150
976	102	1072	171	1178	169	1278	14
978	144	1073	104	1179	175	1279	14
979	174	1074	170	1180	134	1280	14
982	29	1075	170	1196	44	1281	14
983	28	1076	170	1201	2	1282	14
984	171	1077	170	1202	119	1283	14
985	29	1078	170	1203	120	1284	126
986	28	1082	66	1205	2	1285	15
991	177	1087	48	1206	5	1286	15
994	177	1088	104	1207	132	1288	150
995	177	1089	104	1208	132	1289	160
996	177	1090	48	1209	6	1290	134
997	177	1092	113	1210	45	1291	134
998	177	1097	111	1211	45	1292	124
1000	176	1100	141	1212	45	1293	5
1001	32	1101	167	1213	45	1294	121
1002	32	1102	167	1214	44	1295	49
1003	32	1103	167	1215	44	5200	78
1005	35	1104	141	1216	150	6400	78
1006	36	1105	167	1217	123		
1008	32	1106	176	1218	2		
1009	147	1108	168	1219	50		
1010	35	1110	167	1220	44		
1011	37	1111	175	1221	123		
1012	37	1116	134, 175	1222	123		

## ALPHABETICAL INDEX

A	
Acorn Nuts .....	164
Adapters —	
Bow Eye .....	124
Electric .....	59 to 66
Oil Lamp .....	46
Pipe to Hose .....	95
Adjusters —	
Casement .....	175
Hatch .....	175
Windshield .....	134, 175
Alcohol —	
Stove Parts .....	70
Stoves .....	70
Aligners, Engine .....	111
Anchor Chocks .....	162, 163
Anchor Lift Leaders .....	154
Anchor Lights .....	12 to 33
Anchor Shackles .....	156
Anchors .....	162
Anti-Rattlers, Sash .....	174
Arresters, Flame .....	116
Ash Trays .....	139
Axe Brackets .....	164
B	
Bailers, Boat .....	80
Ball Joints .....	106
Bands, Eye .....	159
Base, Lamp (Walnut) .....	45
Basin Pumps .....	89
Basins .....	90, 91
Battery —	
Boxes .....	131
Lights .....	23, 32, 33
Switches .....	56
Bearings —	
Flat .....	111
Goodrich Rubber .....	114
Belaying Pins .....	154
Bells —	
Fog .....	145
Smoke .....	48
Berth Lights .....	50
Bilge Pump —	
Parts .....	79
Switches .....	86
Bilge Pumps .....	82 to 87
Bits .....	117
Blinker —	
Signal Keys .....	25
Signal Lights .....	24
Blocks .....	58, 151, 152
Blower & Ignition Switches .....	72
Blowers .....	72
Boarding Ladders .....	146
Boarding Step .....	147
Boat —	
Bailers .....	80
Cleats .....	118
Cover Sockets .....	127
Drainers .....	80
Hook Holders .....	138
Hooks .....	138
Hooks with Pole .....	138
Scrapers .....	155
Snaps .....	160
Top Fittings .....	121
Trailer Light .....	57

B	
Bolts —	
Barrel .....	168
Cupboard .....	167
Eye .....	158
For Steering Wheels .....	101
Ship .....	168
Square Neck .....	168
Books, Log .....	69
Boom Light .....	30
Bow —	
Chocks .....	120, 121
Eye Adapter .....	124
Eyes .....	124, 125
Lifting Handles .....	123
Lights .....	2 to 22
Rails .....	133
Rings .....	124, 125
Bowden —	
Wire & Casing .....	110
Wire Clamps .....	110
Bowl, Toilet .....	93
Boxes —	
Battery .....	131
Stuffing .....	104, 112
Watertight Connection .....	56
Braces, Rudder .....	104
Brackets —	
Axe .....	164
Table .....	131
Breakdown Lights .....	26 to 29
Bridge Lights .....	34, 35, 36
Bulbs, Electric .....	52
Bulkhead Lanterns .....	25, 46
Buoy Holders, Ring .....	121
Buoy Rods .....	163
Buoys .....	163
Burners —	
For Alcohol Stoves .....	70
Oil .....	64
Butt Hinges .....	172
Buttons —	
Door .....	169
Horn Push .....	144
Watertight Push .....	144
C	
Cabin —	
Door Hooks .....	168
Fixtures .....	49
Lamps, Candle Burning .....	46
Lamps, Oil .....	48
Windows .....	96
Cabinet Hinges .....	173
Cabinet Latches .....	171
Cable —	
Outlets .....	57
Straps .....	60
Cables, Flexible Control .....	108
Can Holder .....	139
Cans, Oil .....	116
Caps, Gas Tank .....	137
Casement Adjusters .....	175
Casing —	
Bowden .....	110
Clamps .....	110
Catches, Door .....	167, 169
Caulking Irons .....	155

C	
Chain —	
Deck Pipe .....	117
Plates .....	156
Portlight .....	98
Roller .....	100
Rowlock .....	128
Shackles .....	156
Steerers .....	100
Chair, Fishing .....	142
Channel, Glass Run Window .....	98
Chart Cases .....	69
Check Valve .....	88
Cheek Blocks .....	153
Chimneys .....	64
Chlorinator .....	92
Chocks —	
Anchor .....	162, 163
Rope .....	120, 121
Cigarette Lighter .....	139
Choke Controls .....	110
Clam Shell Ventilators .....	77
Clamps —	
Bowden Casing .....	110
Gas Tank .....	131
Hose .....	78, 138
Spring .....	138
Tiller Rope .....	148
Cleaners, Windshield .....	135
Cleats .....	118, 119
Clips —	
Line Support .....	60
Wire Rope .....	159
Closet Installation Kit .....	94
Closet Parts .....	94
Closets, Boat .....	93
Clutch Controls .....	107
Clutch Control Handle .....	107
Coaming Pulleys .....	149
Coat & Hat Hooks .....	176
Cockpit Scupper .....	135
Cockpit Steps .....	147
Cocks, Sea .....	93
Collars —	
Electrolysis .....	105
Rudder .....	103
Shaft .....	113
Color Shield .....	66
Combination Bow Lights .....	2 to 19
Combination —	
Bitt & Rope Deck Pipes .....	117
Blinker & Loading Light .....	24
Flag Pole & Light .....	5 to 8
Companionway Step .....	147
Compass Light .....	43
Connecting Links .....	160
Connection Box .....	56
Connections —	
Electric .....	61
Thru-Hull .....	94
Watertight .....	56, 57
Connectors, Electric .....	56 to 63
Containers —	
Battery .....	131
Oil .....	116
Continuous Hinge .....	165
Control —	
Cables, Flexible .....	108
Cranks .....	109

**C**

Handles, Clutch ..... 107  
 Levers ..... 109  
 Parts ..... 106  
 Rod Sockets ..... 110  
 Wire Handles ..... 110  
 Wire Sockets ..... 110

**Controls —**

Clutch ..... 107, 108  
 Reverse Gear ..... 107  
 Spark & Throttle ..... 107 to 109

**Cover Plate** ..... 63

**Converter, Oil Lamp** ..... 46

**Convertible Boat Top Fittings** ..... 121

**Couplings —**

Flange ..... 111  
 Moulding ..... 165  
 "Pipe to Hose" ..... 88  
 Shaft ..... 111

**Course Protractors** ..... 69

**Cowl Ventilators** ..... 74

**Crank Case Pumps** ..... 81

**Cranks Control** ..... 109

**Cuddy Door Hinges** ..... 173

**Cupboard —**

Bolts ..... 167  
 Catches ..... 167  
 Door Holder ..... 169  
 Turns ..... 167

**Cups, Grease** ..... 111

**Curtain —**

Fasteners ..... 177  
 Hooks ..... 176

**D**

**Dart Shanks** ..... 143

**Darts, Sword Fish** ..... 143

**Dashboard —**

Choke Controls ..... 110  
 Lamps ..... 57  
 Steerers ..... 99

**Deck —**

Blocks ..... 152, 153  
 Irons ..... 73  
 Lights ..... 97  
 Pipes, Rope & Chain ..... 117  
 Plate Keys ..... 136  
 Plates ..... 136  
 Straps ..... 151

**Distress Lights** ..... 23

**Dividers** ..... 69

**Dock Line Springs** ..... 154

**Dome —**

Glasses ..... 67  
 Lights ..... 50, 51

**Door —**

Buttons ..... 169  
 Catches ..... 169  
 Fasteners ..... 168  
 Hinges ..... 173  
 Holders ..... 169  
 Hooks ..... 168  
 Stops ..... 168

**Drain Fittings for Sink** ..... 91

**Drain Plugs** ..... 80, 81

**Drainers, Automatic Boat** ..... 80

**Draw -Bridge Lights** ..... 36

**Drawer —**

Knobs ..... 171  
 Pulls ..... 171

**Drip Moulding** ..... 164

**Drop Handles** ..... 175

**E**

**Elbow Catches** ..... 169

**Electric —**

Adapters ..... 59 to 66  
 Bilge Pumps ..... 82 to 87  
 Bulbs ..... 52  
 Cabin Fixtures ..... 49, 50  
 Connections ..... 61  
 Connectors ..... 56 to 63  
 Horns ..... 144  
 Plugs ..... 61  
 Sirens ..... 144  
 Sockets ..... 59, 60  
 Switches ..... 54, 55, 56  
 Water Faucets ..... 88  
 Water System Pump ..... 87

**Electrolysis Eliminators** ..... 104, 105

**Ends, Moulding** ..... 165

**Engine Aligners** ..... 111

**Exhaust —**

Blowers ..... 72  
 Fittings ..... 112  
 Pipe Flanges ..... 112  
 Tube Flanges ..... 112

**Eye —**

Bands ..... 159  
 Bolts ..... 158  
 Nuts ..... 161  
 Straps ..... 151

**Eyes —**

Bow ..... 124, 125  
 Flange ..... 151  
 Halyard ..... 4  
 Lacing ..... 158  
 Transom Lifting ..... 156

**F**

**Fans, Exhaust** ..... 72

**Fasteners —**

Curtain ..... 177  
 Door ..... 168  
 "Durable Dot" ..... 177  
 Hatch ..... 134, 135, 174  
 "Lift the Dot" ..... 176  
 Refrigerator ..... 171  
 Sash ..... 174  
 Table Leg ..... 174

**Faucets** ..... 88

**Fender —**

Cleats ..... 119  
 Hooks ..... 135  
 Moulding ..... 165

**Fids, Hand** ..... 155

**Filters Water** ..... 116

**Fins, Racing** ..... 131

**Fishing —**

Anchors ..... 162  
 Chair ..... 142  
 Chair Hardware ..... 142  
 Pole Holders ..... 140, 141  
 Pole Liners ..... 143  
 Rod Racks ..... 143  
 Rod Sockets ..... 142

**Fittings for Boat Tops** ..... 121

**Fixtures —**

Electric Cabin ..... 49  
 House ..... 46, 47  
 Truck ..... 10  
 Vapor-Proof ..... 48

**Flag Pole —**

Clips ..... 4  
 Lights ..... 4 to 8  
 Sockets ..... 130

**F**

**Flag Poles** ..... 5, 6, 7

**Flag Staffs** ..... 7

**Flame Arresters** ..... 116

**Flange —**

Eyes ..... 151  
 Nuts ..... 95

**Flanges —**

Exhaust Pipe ..... 112  
 Exhaust Tube ..... 112

**Flap Hinges** ..... 173

**Floodlights** ..... 43

**Flush —**

Drop Handles ..... 175  
 Hatch Lifting Handles ..... 175  
 Hatch Lifting Rings ..... 175  
 Pulls ..... 167  
 Ring Catch ..... 167

**Flushing Nozzles** ..... 122

**Fog Bells** ..... 145

**Fog Horns** ..... 145

**Folding —**

Cockpit Step ..... 147  
 Ladders ..... 146  
 Steps ..... 147  
 Stools ..... 147

**Foot Rope Plates** ..... 156

**Founts, Oil** ..... 65

**Frames for Sink** ..... 90

**Fresnel —**

Globes ..... 67  
 Lenses ..... 68

**Friction Catches** ..... 169

**Fuel Tank Filler** ..... 137

**Funnels** ..... 71, 137

**Fuse —**

Holder ..... 58  
 Panels ..... 58

**G**

**Galley —**

Pumps ..... 89  
 Sinks ..... 90

**Gas —**

Stoves ..... 71  
 Stove Equipment ..... 71  
 Strainers ..... 116  
 Tank Caps ..... 137  
 Tank Clamps ..... 131  
 Tank Vents ..... 137

**Gasoline —**

Funnels ..... 71  
 Strainers ..... 116

**Gear Pumps** ..... 85

**Glass Holders** ..... 139

**Glass Run Window Channel** ..... 98

**Glasses —**

Dome Light ..... 67  
 Fresnel ..... 67

**Globe Lights** ..... 67

**Globes** ..... 64, 67

**Goodrich Rubber Bearings** ..... 114

**Grab Rail Posts** ..... 132

**Grab Rails** ..... 132

**Grapnels** ..... 162

**Grease Cups** ..... 111

**Grommet Hooks** ..... 176

**Gudgeons, Rudder Brace** ..... 104

**Guides, Tiller Rope** ..... 149

**H**

**Halyard Eyes** ..... 4

## ALPHABETICAL INDEX

H	H	L
<b>Hand —</b>	Screw ..... 161, 176	<b>Lift Bridge Lights</b> ..... 34, 36
Fids ..... 155	Ski Towing ..... 122	<b>Lifting Rings</b> ..... 125
Punches ..... 177	Snap ..... 160	<b>Lighting Switches</b> ..... 54 to 56
Rail Sockets ..... 132	Utility ..... 176	<b>Lighter, Cigarette</b> ..... 139
Screw Drivers ..... 177	Wardrobe ..... 176	<b>Lights—</b>
Searchlight ..... 42	<b>Horn Push Button</b> ..... 144	Anchor ..... 12 to 33
Tool ..... 177	<b>Horns —</b>	Barge ..... 32
Windshield Cleaners ..... 135	Electric ..... 144	Battery ..... 23, 32, 33
<b>Handles —</b>	Fog ..... 145	Berth ..... 50
Bow ..... 123	<b>Hose Clamps</b> ..... 78, 113	Blinker ..... 24
Clutch Control ..... 107	<b>Hose, Rubber</b> ..... 79, 113	Boom ..... 30
Drop ..... 175	<b>House Fixtures</b> ..... 47	Bow ..... 2 to 22
For Control Wire ..... 110	<b>Hull Connections</b> ..... 94	Breakdown ..... 26 to 29
For Steering Wheels ..... 102		Bridge ..... 34 to 36
Hatch Lifting ..... 175	<b>I</b>	Combination ..... 2 to 19
Sliding Window ..... 98	<b>Ignition Switches</b> ..... 54	Compass ..... 43
Transom ..... 123	<b>Ignition &amp; Blower Switches</b> ..... 72	Deck ..... 97
<b>Hardware, Fishing Chair</b> ..... 142	<b>Inlet —</b>	Distress or Globe ..... 23
<b>Hasps</b> ..... 174	Connections ..... 94, 95	Dome ..... 50, 51
<b>Hatch —</b>	Strainers ..... 94, 95	Double Lens ..... 30
Adjusters ..... 175	<b>International Lights</b> ..... 12 to 15	Flag Pole ..... 4 to 8
Fasteners ..... 134, 135, 174	<b>Irons —</b>	Flood ..... 43
Hinges ..... 173	Caulking ..... 155	Globe ..... 67
Lifts ..... 175	Water Deck ..... 73	International ..... 12 to 15
Lifting Handle ..... 175	<b>J</b>	Lift Bridge ..... 37
Lifting Rings ..... 175	<b>Jam Cleats</b> ..... 119	Loading ..... 24
Moulding ..... 165	<b>Jib Snaps</b> ..... 161	Mast ..... 9, 10, 11
Support Hinges ..... 175	<b>Joints —</b>	Masthead ..... 12 to 47
Trim ..... 165	Ball ..... 106	Meal & Absent ..... 8
<b>Hawse Hole Plate</b> ..... 121	Universal ..... 110	Mid-Channel ..... 36, 37
<b>Hinges —</b>	Winter Frame ..... 121	Not-Under-Command ..... 26 to 29
Butt ..... 172	<b>K</b>	Obstruction ..... 34
Butterfly ..... 172	<b>Keel Plates</b> ..... 125	Overtaken ..... 26 to 29
Cabinet ..... 173	<b>Keys —</b>	Pier ..... 34, 35
Continuous ..... 165	Blinker ..... 25	Pole ..... 5 to 10
Cuddy Door ..... 173	Deck Plate ..... 136	Range ..... 12 to 29
Flap ..... 173	<b>Knobs, Drawer</b> ..... 171	Sail Boat ..... 4, 19
Hatch ..... 173		Side ..... 12 to 29
Hatch Support ..... 175	<b>L</b>	Signal ..... 23, 24, 25
Ladder ..... 172	<b>Lacing Eyes</b> ..... 158	Sixty-Day Anchor ..... 23, 33
Port ..... 172	<b>Ladder —</b>	Span ..... 35, 36, 37
Rail ..... 131	Hinges ..... 172	Spreader ..... 43
Refrigerator ..... 170, 171	Hooks ..... 146	Stern ..... 5 to 29
Spring ..... 173	Locks ..... 146	Ten-Day Anchor ..... 18
Strap ..... 172	<b>Ladders</b> ..... 146	Thirty-Day Anchor ..... 33
"T" ..... 172	<b>Lamp Base (Walnut)</b> ..... 45	Towing ..... 25 to 29
<b>Holders —</b>	<b>Lamps —</b>	Trailer ..... 57
Boat Hook ..... 138	Cabin ..... 44, 46, 48	Trawler ..... 23
Can ..... 139	Dashboard ..... 57	Twenty Day Anchor ..... 23, 33
Door ..... 168, 169	Table ..... 44 to 48	Twenty-One Day Anchor ..... 23
Fishing Pole ..... 140, 141	<b>Lanterns —</b>	Whistle, Signal ..... 24, 31
For Ring Buoy ..... 121	Bulkhead ..... 25, 46	Yardarm ..... 10
Fuse ..... 58	Navy or Life Boat ..... 25	<b>Line Support Clips</b> ..... 60
Glass ..... 139	<b>Lap Links</b> ..... 159	<b>Liners, Plastic</b> ..... 143
Outrigger Pole ..... 140, 141	<b>Lashing Hooks</b> ..... 127	<b>Liners, Rubber</b> ..... 143
Pot ..... 71	<b>Latches, Door</b> ..... 166	<b>Lines, Lead</b> ..... 139
Spring ..... 138	<b>Lavatory Pumps</b> ..... 89	<b>Links</b> ..... 159
<b>Hooks —</b>	<b>Lavoratories</b> ..... 91 to 93	<b>Locker Ventilators</b> ..... 76
Boat ..... 138	<b>Lead Lines</b> ..... 139	<b>Locknuts</b> ..... 112
Berth Hanger ..... 161	<b>Leaders, Anchor Lift</b> ..... 154	<b>Locks —</b>
Cabin Door ..... 168	<b>Leads, Sounding</b> ..... 139	Door ..... 166
Curtain ..... 176	<b>Leathers, Oar</b> ..... 129	Ladder ..... 146
Coat & Hat ..... 176	<b>Lenses —</b>	Oar ..... 128, 129
Fender ..... 135	Fresnel ..... 68	<b>Log Books</b> ..... 69
Grommet Hooks ..... 176	Searchlight ..... 43	<b>Logs, Shaft</b> ..... 113
Ladder ..... 146	<b>Levers, Control</b> ..... 109	
Lashing ..... 127	<b>Life Boat Lantern</b> ..... 25	<b>M</b>
"S" ..... 161		<b>Manila Rope Thimbles</b> ..... 156
Safety Mooring ..... 160		<b>Marline Spikes</b> ..... 155



**M**

Mast Lights ..... 9, 10, 11  
 Masthead Lights ..... 12 to 47  
 Meal & Absent Lights ..... 8  
 Mid-Channel Lights ..... 36, 37  
 Mirrors, Rear View ..... 122  
 Mooring —  
     Bits ..... 117  
     Buoys ..... 163  
     Hook, Safety ..... 160  
 Moulding —  
     Couplings ..... 165  
     Ends ..... 165  
 Mouldings ..... 164, 165

**N**

Name Plates, Switch ..... 53  
 Navy —  
     Anchors ..... 162  
     Bilge Pumps ..... 82 to 87  
     Lanterns ..... 25  
 Not-Under-Command Lights ..... 26 to 29  
 Nozzles, Flushing ..... 122  
 Nut Eye Bolts ..... 158  
 Nuts —  
     Acorn ..... 164  
     Eye ..... 161  
     Flanged ..... 95  
     Lock ..... 112  
     Packing ..... 112  
     Wing ..... 164

**O**

Oar —  
     Leathers & Buttons ..... 129  
     Locks ..... 128, 129  
     Sleeve, "Sav-or" ..... 129  
     Tips ..... 129  
 Obstruction Lights ..... 35  
 Oil —  
     Containers ..... 116  
     Founts ..... 65  
     Lamp Converter ..... 46  
     Pump ..... 81  
 Oilers, Zinc ..... 116  
 Outboard Motor Transom  
 Plates ..... 127  
 Outboard Steerers ..... 99  
 Outlet Connections ..... 95  
 Outlets —  
     Cable ..... 57  
     Water ..... 95  
 Outtrigger —  
     Holders ..... 140, 141  
     Poles ..... 140  
 Overtaken Lights ..... 26 to 30

**P**

Packing Nuts ..... 112  
 Paddle Tips ..... 129  
 Pads —  
     Step ..... 126  
     Transom ..... 127  
 Paint Scraper ..... 155  
 Palms, Sewing ..... 155  
 Panels —  
     Fuse ..... 58  
     Switch ..... 53  
 Parallel Rules ..... 69  
 Parts —  
     Bilge Pump ..... 79  
     Control ..... 106  
     Gear Pump ..... 85  
     Steerer ..... 106  
     Stove ..... 70, 71  
     Toilet ..... 94  
 Pennants, Wind ..... 164

**P**

Piano Hinge ..... 165  
 Pier Lights ..... 34, 35  
 Pins —  
     Belaying ..... 154  
     Brass ..... 154  
     Pintles, Rudder Brace ..... 104  
     Pipe, Flange ..... 112  
     Pipes, Rope Deck ..... 117  
     Plastic Whistles ..... 145  
 Plates —  
     Chain ..... 156  
     Deck ..... 136  
     Foot Rope ..... 156  
     Hawse Hole ..... 121  
     Keel ..... 125  
     Step ..... 126, 127  
     Switch Name ..... 53  
     Transom ..... 127  
 Plugs —  
     Drain ..... 80, 81  
     Electric ..... 56, 61  
     Watertight ..... 56  
 Plungers, Pump ..... 79  
 Pole Holders, Boat Hook ..... 138  
 Pole Holders, Outriggers ..... 141  
 Pole Lights ..... 5 to 8  
 Pole Sockets ..... 140, 141  
 Poles —  
     Flag ..... 5, 6, 7  
     Outrigger ..... 140, 141  
 Port Hinges ..... 172  
 Portlights ..... 96, 97  
 Ports, Rudder ..... 103  
 Posts —  
     Grab Rail ..... 132  
     Stanchion ..... 132  
 Pot Holders ..... 71  
 Protractors, Course ..... 69  
 Pulleys ..... 149, 150, 153  
 Pulls —  
     Drawer ..... 171  
     Edge ..... 171  
     Flush ..... 167  
 Pump —  
     Parts ..... 85  
     Strainers ..... 79  
     Switches ..... 86  
 Pumps —  
     Basin ..... 89  
     Bilge ..... 82 to 87  
     Crankcase ..... 81  
     Electric ..... 86, 87  
     Flexo-Shaft ..... 86  
     Galley ..... 89  
     Gear ..... 85  
     Rotoflex ..... 87  
     Wing ..... 84

**Q**

Quadrants, Tiller ..... 103

**R**

Racing Fin ..... 131  
 Rail —  
     Fittings ..... 131, 132  
     Hinges and Locks ..... 131  
 Rails  
     Bow ..... 133  
     Grab ..... 132  
 Range Lights ..... 12 to 29  
 Receptacles, Wall ..... 63  
 Receptacles, Watertight ..... 56  
 Reflectors, Searchlight ..... 42

**R**

Refrigerator —  
     Fasteners ..... 171  
     Hinges ..... 170, 171  
     Nitches ..... 170, 171  
 Regulations for  
     Motor Boats ...VI, Back Cover  
 Relays ..... 31, 144  
 Reverse Gear Controls ..... 107  
 Rigging Turnbuckles ..... 157  
 Rim Locks ..... 166  
 Ring —  
     And Deck Straps ..... 124  
     Buoy Holders ..... 121  
     Catches, Flush ..... 167  
     On Plate ..... 124, 125  
     Pulls ..... 167  
 Rings —  
     Bow ..... 124, 125  
     Brass ..... 154  
     Hatch Lifting ..... 175  
     Lifting ..... 125  
     Ventilator ..... 136  
 Rods, Buoy ..... 163  
 Rope —  
     Clamps ..... 148  
     Clips ..... 159  
     Deck Pipe ..... 117  
     Guides ..... 149  
     Ladder Hooks ..... 146  
     Ladders ..... 146  
     Thimbles ..... 156  
     Tighteners ..... 148  
     Tiller ..... 148  
 Rowlocks ..... 128, 129  
 Rubber —  
     Bearings ..... 114  
     For Portlights ..... 98  
     Hose ..... 79  
     Liners for Outriggers ..... 143  
     Moulding ..... 164  
     Step Pads ..... 126  
     Transom Pads ..... 127  
 Rudder —  
     Braces ..... 104  
     Collars ..... 103  
     Ports ..... 103  
     Stuffing Boxes ..... 104  
 Rudders ..... 103  
 Rules, Parallel ..... 69

**S**

"S" Hooks ..... 161  
 Safety Main Switch ..... 55  
 Sash —  
     Anti-Rattlers ..... 174  
     Fasteners ..... 174  
     "Sav-or", Oar Sleeves ..... 129  
 Scrapers ..... 155  
 Screens, Portlight ..... 98  
 Screw —  
     Drivers ..... 177  
     Eye Bolts ..... 158  
     Hooks ..... 176  
 Scupper, Cockpit ..... 135  
 Sea Cocks ..... 93  
 Sealed Beam Unit ..... 42  
 Searchlight —  
     Bulbs ..... 52  
     Lenses ..... 42  
     Reflectors ..... 42  
 Searchlights ..... 39 to 42  
 Seats, Toilet ..... 93  
 Shackles ..... 156  
 Shades for Cabin Fixtures ..... 49

## ALPHABETICAL INDEX

<b>S</b>		<b>S</b>		<b>T</b>	
Shaft —		Sink	95	Truck Fixtures	10
Collars	113	Water	95, 116	Tube Flanges	112
Couplings	111	Strap Hinges	172	Tubing, Grab Rail	132
Logs	113	Straps —		Turbine Ventilators	73
Shanks, Dart	143	Cable	60	Turnbuckles	157
Sheaves, Rope	154	Deck	151	Turns, Cupboard	167
Shields —		Eye	151		
Color	66	Struts,	115	<b>U</b>	
For Fixtures	49	Stuffing Boxes	104, 112, 113	Universal Joints	110
For Int'l Lights	5	Stuffing Box Nuts	112	Universal Struts	115
Ship to Shore Connectors	62, 63	Swing Links	159	<b>V</b>	
Side Lights	12 to 22, 27, 28, 29	Switch —		Valves, Check	88
Signal Lights	23 to 26	Name Plates	53	Vapor-Proof Fixtures	48
Sink Frames	90	Panels	53	Ventilator	
Sinks, Galley	90	Switches —		Cowl	74
Sirens, Electric	144	Blower & Ignition	72	Deck Plates	136
Ski Towing Hooks	122	Electric	54, 55, 56	Gas Tank	137
Skylight Fasteners	174	Pump	86	Turbine	73
Sleeve, Oar	129	Safety Main	55	Ventilators	73 to 77
Smoke Bell & Arm	48	Swivel —		<b>W</b>	
Snap Hooks	160, 161	Eye Blocks	152	Wall Lamps	48
Sockets —		Eye Mooring Hook	160	Wardrobe Hooks	176
Boat Cover	127	Eye Pulleys	149, 150	Water —	
Control Rod	110	Eye Snaps	160	Deck Irons	73
Control Wire	110	Swivels	158	Faucets	88
Electric	59, 60	Sword Fish Darts	143	Outlet	95
Fishing Rod	142	<b>T</b>		Ski Towing Hooks	122
Flag Pole	130	"T" Hinges	172	Strainers	95, 116
Hand Rail	132	Table Brackets	131	Watertight —	
Outrigger Pole	140, 141	Table Lamps	44, 45	Blinker Keys	25
Watertight	57	Table Leg Fasteners	174	Cable Outlets	57
Wire Rope	161	Tail Pieces	95	Connection Box	56
Sounding Leads	35, 36, 37	Tank —		Connections	56, 57
Span Lights	35, 36, 37	Caps	137	Dome Lights	50
Spare Parts for Bridge & Pier Lights	38	Clamps	131	Push Buttons	144
Spark Controls	107, 108, 109	Vents	137	Receptacles	56
Spikes, Marline	155	Terminal Block	58	Ship Lights	26, 30, 32
Spotlight Unit	42	Thimbles, Rope	156	Switches	56
Spotlights	39 to 43	Throttle Controls	107, 108, 109	Wheels, Steering	99 to 102
Spreader Floodlight	43	Thru-Hull Connections	94	Whistle Signal Light	24, 31
Spring —		Tiller —		Whistles	145
Clamps	138	Rope	148	Wicks	64
Hinges	173	Rope Clamps	148	Wind Pennants	164
Springs for Dockline	154	Rope Guides	149	Window —	
Springs, Tiller Rope	148	Rope Pulleys	150	Channel	98
Staffs, Flag	7	Rope Tighteners	148	Handle, Sliding	98
Stanchions	132	Tillers	103	Lock	98
Starter Switches	54	Tips, Oar and Paddles	129	Stop	98
Steerer Parts	106	Toggle Switches	54	Windows	96
Steerers	99 to 102	Toilet Parts	94	Windshield —	
Steering Wheels	99, 102	Toilets	93	Adjusters	134, 175
Steps —		Tools, Hand	177	Keeper & Plate	134, 135, 174
Boarding	147	Towing —		Wipers	135
Cockpit	147	Hooks	122, 125	Wing Nuts	164
Folding	147	Lights	25, 26	Wing Pumps	84
Step Plates	126, 127	Trailer —		Winter Frame Joint	121
Stern —		Four-Way Connector	61	Wire —	
Chocks	120, 121	Light	57	Bowden	110
Lights	5 to 29	Transom —		Rope Clips	159
Pole Lights	5, 6, 7	Drain Plugs	80	Rope Pulleys	153
Stools, Folding	147	Handles	123	Rope Sockets	161
Steps, Door	168	Lifting Eyes	156	Rope Thimbles	156
Stoves —		Pads	127	Tiller Rope	149
Alcohol and Gas	70, 71	Plates	127	Worm Geared Steerers	100
Parts	70, 71	Pole Lights	5 to 10	<b>Y</b>	
Strainers —		Ventilators	76	Yardarm Lights	10
Gasoline	116	Trawler Lights	23		
Inlet	94, 95	Trays, Ash	139		
Pump	79	Trim, Hatch	165		
Round	95				
Scoop	95				

# EQUIPMENT REQUIREMENTS

From U. S. Coast Guard (CG-290) Dated June 1, 1962

## MEASURING FOR "CLASS"

For determining "class" the length of a boat is the distance measured from end to end over the deck excluding sheer. It means a straight line measurement of the overall length from the foremost part of the vessel to the aftermost part of the vessel, measured parallel to the centerline. Bowsprits, bumpkins, rudders, outboard motors and brackets, and similar fittings or attachments are not to be included in the measurement. Length shall be stated in feet and inches.

For additional information see "Recreational Boating Guide" (CG-340) or inquire at any Coast Guard Marine Inspection office.

## MOTORBOATS OF CLASS A

(Less than 16 feet in length)

**Lights.** See "Lights Required"—Page VI.

**Lifesaving Devices.** One Coast Guard approved life preserver, buoyant vest, ring buoy, or buoyant cushion in good and serviceable condition for each person on board.

**Fire Extinguishers.** See table.

**Ventilation.** Two or more ventilators with cowls or equivalent capable of removing gases from the bilges in engine and fuel-tank compartments on boats constructed or decked over after April 25, 1940, using gasoline or fuel of a flashpoint less than 110° F. Motorboats so constructed as to have the greater portion of the bilges under the engine and fuel tanks open and exposed to the natural atmosphere at all times are not required to be fitted with such ventilators.

**Flame Arrester.** Carburetors on all motorboat engines (other than outboard engines or specifically exempted inboards) built after April 25, 1940, shall be fitted with an approved device for arresting backfire. Installations made before November 19, 1952, need not meet the detailed requirements of present specifications and may be continued in use so long as they are in good condition.

## MOTORBOATS OF CLASS 1

(16 feet to less than 26 feet in length)

The same equipment as required by a class A motorboat is required on this class boat. The only addition is a hand, mouth or power-operated whistle or horn capable of producing a blast of at least 2 seconds duration and audible for a distance of at least one-half mile.

## MOTORBOATS OF CLASS 2

(26 feet to less than 40 feet in length)

**Lights.** See "Lights Required"—Page VI.

**Lifesaving Devices.** Same as for a class A motorboat.

**Bell.** One which, when struck, produces a clear, bell-like tone of full round characteristics.

**Horn or Whistle.** One hand or power-operated whistle or horn capable of producing a blast of at least 2 seconds duration and audible for a distance of 1 mile.

**Fire Extinguisher.** See table.

**Ventilation.** Same as for a class A motorboat.

**Flame Arrester.** Same as for a class A motorboat.

## MOTORBOATS OF CLASS 3

(40 feet to not more than 65 feet in length)

**Lights.** See "Lights Required"—Page VI.

**Lifesaving Devices.** One Coast Guard approved life preserver, or ring buoy for each person on board (buoyant cushions or buoyant vests will not meet the requirements on this class boat).

**Bell.** Same as for a class 2 motorboat.

**Horn or Whistle.** Must be power-operated, capable of producing a blast of at least 2 seconds duration and audible for a distance of at least 1 mile.

**Fire Extinguishers.** See table.

**Ventilation.** Same as for a class A motorboat.

**Flame Arrester.** Same as for a class A motorboat.

## FIRE EXTINGUISHERS REQUIRED

Each fire extinguisher is classified, by letter and number, according to the type of fire it may be expected to extinguish, and the size of the extinguisher. The letter indicates the type of fire ("A" for fires in ordinary combustible materials; "B" for gasoline, oil, and grease fires; "C" for fires in electrical equipment). Extinguishers approved for motorboats are hand-portable, of either B-I or B-II classification.

Classification (type-size)	Foam (minimum gallons)	Carbon Dioxide (minimum pounds)	Dry Chemical (minimum pounds)
B-I	1 1/4	4	2
B-II	2 1/2	15	10

NOTE. Carbon tetrachloride extinguishers and others of the toxic vaporizing-liquid type such as chlorobromomethane are no longer approved and are not accepted as required fire extinguishers.

The number of approved extinguishers required depends upon the class (or length) of the motorboat. One B-II extinguisher may be substituted for two B-I extinguishers. When the engine compartment of the motorboat is equipped with a fixed (built-in) extinguishing system of an approved type, one less B-I extinguisher is required.

## FIRE EXTINGUISHERS REQUIRED

Class of motorboats	Without fixed system in machinery space	With fixed system in machinery space
A (less than 16 ft.)	1 B-I <sup>1</sup>	None.
1 (16 ft. to under 26 ft.)	1 B-I <sup>1</sup>	None.
2 (26 ft. to under 40 ft.)	2 B-I or 1 B-II	1 B-I.
3 (40 ft. to 65 ft.)	3 B-I or 1 B-II	2 B-I or 1 B-II

<sup>1</sup> Outboard motorboats less than 26 feet in length, of open construction, not carrying passengers for hire, are not required to carry fire extinguishers.

NOTE. "Open Construction" means open under any decking so that there is free access of air. If any decking provides a compartment where there is a possibility for gases to accumulate, the boat should be equipped in accordance with the table.

