



**PERKO**

**1964 catalog | no. 185**

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'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.

**PERKO**

CATALOG NO. 185

1964

# PERKINS MARINE

## LAMP AND HARDWARE CORP.

(ESTABLISHED 1907 — INCORPORATED 1917)

**Factory and Main Office**

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**PERKO**

*Manufacturers of*

**SHIP AND BOAT EQUIPMENT**

**NAVIGATION LIGHTS • MARINE HARDWARE**

**FOR ALL SIZES AND TYPES OF VESSELS**

# PERKO



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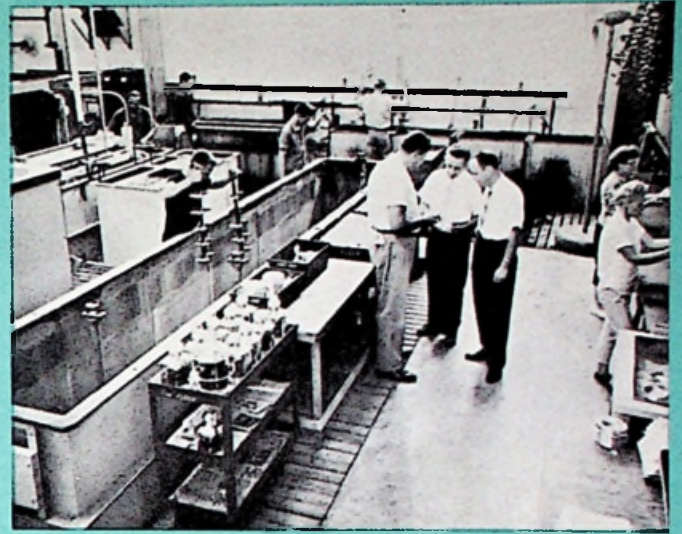


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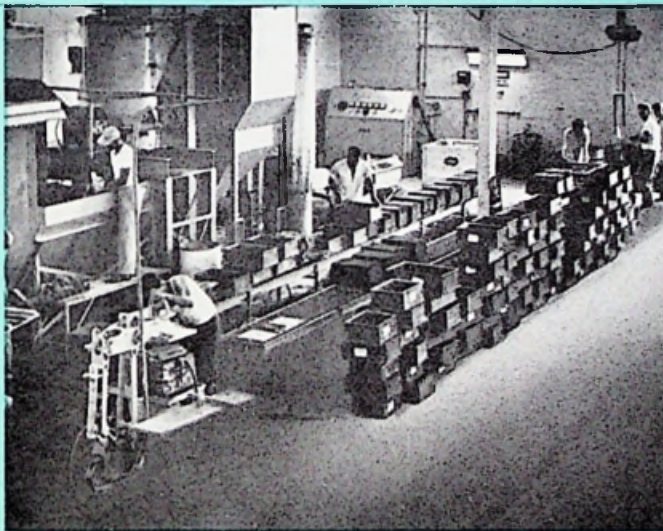


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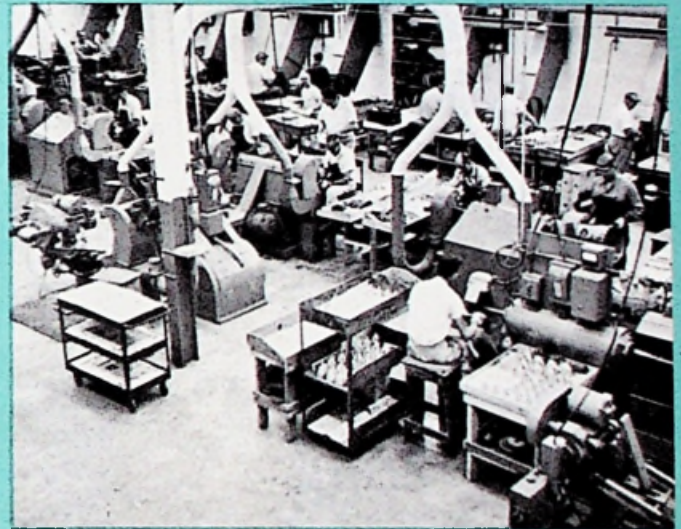
**WHERE  
PERKO  
PRODUCTS  
ARE MADE**



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.



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# 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
INLAND These lights may be shown only on inland waters, western rivers, and Great Lakes.	Under 26'	<p>White all around (32 pt.) 2 mi. Combination red &amp; green 20 pt. 1 mi.</p>	<p>White all around (32 pt.) 2 mi. Combination red &amp; green 20 pt. 1 mi. White 20 pt. 2 mi.</p>	<p>White 12 pt. stern light 2 mi. Combination red &amp; green 20 pt. 1 mi. White 20 pt. 2 mi.</p>
	26' or over not more than 65'	<p>White all around (32 pt.) 2 mi. Separate sidelights 10 pt. 1 mi. White 20 pt. 2 mi.</p>	<p>White all around (32 pt.) 2 mi. Separate sidelights 10 pt. 1 mi. White 20 pt. 2 mi.</p>	<p>White 12 pt. stern light 2 mi. Separate sidelights 10 pt. 1 mi.</p>
INTERNATIONAL RULES 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*	<p>White 12 pt. stern light 2 mi. White 20 pt. 3 mi. Combination red &amp; green 20 pt. 1 mi.</p> <p>OR</p> <p>White 12 pt. stern light 2 mi. White 20 pt. 3 mi. Separate sidelights 10 pt. 1 mi.</p>	<p>White 12 pt. stern light 2 mi. White 20 pt. 3 mi. White 20 pt. 3 mi. Comb. red &amp; green 20 pt. 1 mi.</p> <p>OR</p> <p>White 12 pt. stern light 2 mi. White 20 pt. 3 mi. White 20 pt. 3 mi. Separate sidelights 10 pt. 1 mi.</p>	<p>White 12 pt. stern light 2 mi. White 20 pt. 3 mi. Separate sidelights 10 pt. 1 mi.</p>

\* 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. Be sure to give date and number of invoice. Permission must be requested within 30 days after receipt of material.

## WEIGHTS

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

## RATING

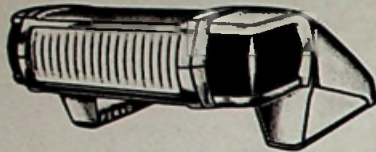
Orders from firms unknown to us and having no satisfactory commercial credit rating must be accompanied by cash or satisfactory references. C.O.D shipments will be made if a 25% deposit is sent with order.

## SHIPPING INSTRUCTIONS

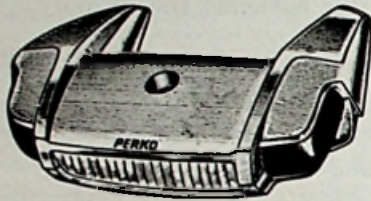
Customers should send specific shipping instructions, if this is not done, we will use our own judgment in selecting route.

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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.



### "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.



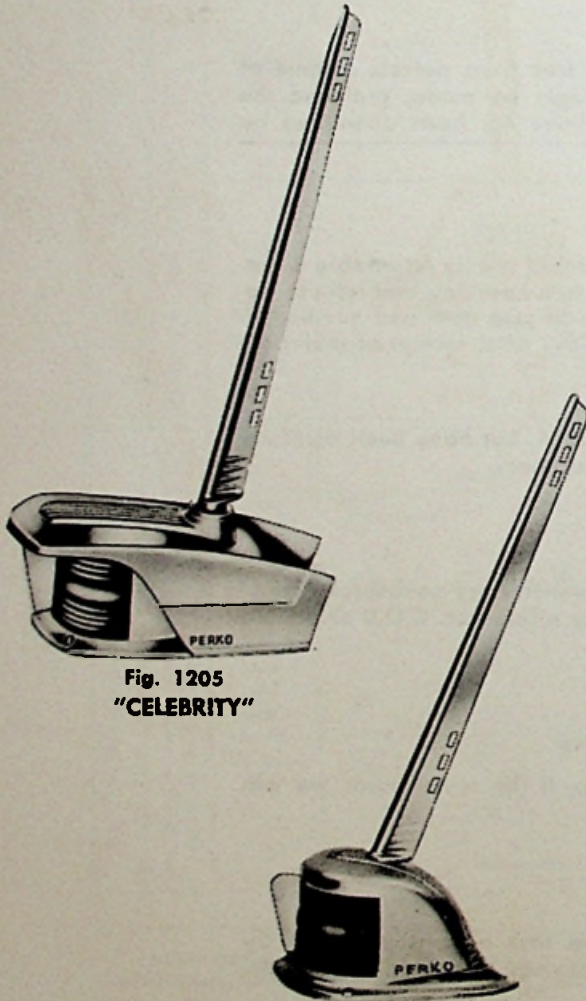
### "RANGER" COMBINATION BOW LIGHT — Fig. 1218

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

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.

Fig. 1205  
"CELEBRITY"Fig. 1218  
"RANGER"

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

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

Each	Height Inches	Size Base Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
\$7.50	3 $\frac{3}{8}$	7 $\frac{1}{4}$ x3 $\frac{5}{8}$	2 $\frac{1}{2}$	$\frac{3}{4}$	1 $\frac{1}{2}$

Flag Staff Fig. 1230 - \$2.50 each

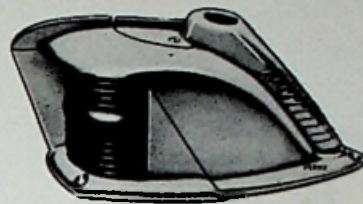


Fig. 1274  
"ARISTOCRAT"

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

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

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

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.

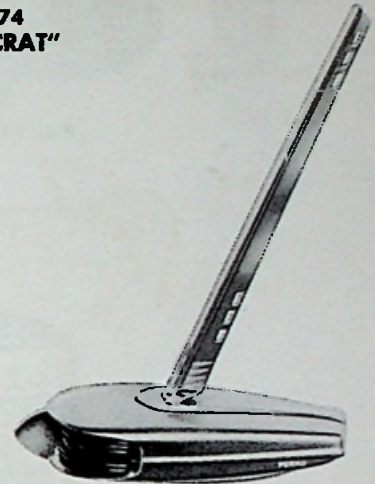


Fig. 1260  
"ROCKET"

**"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 Lens Inches	Diam. Staff Socket Inches	Weight Pounds
\$8.95*	3 $\frac{1}{4}$	6 $\frac{1}{4}$ x3 $\frac{7}{8}$	2-9/16	$\frac{3}{4}$	$\frac{7}{8}$

\*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 $\frac{1}{8}$	7 $\frac{3}{8}$	4 $\frac{1}{4}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$

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.

Each	Height Inches	Base Inches	Height Lens Inches	F. P. Socket Inches	Weight Ounces
\$4.25	2 $\frac{1}{4}$	4 $\frac{1}{2}$ x2 $\frac{3}{8}$	1 $\frac{1}{8}$	$\frac{1}{2}$	7

Spare Miniature Bayonet Socket, Each \$.55.

Spare Lenses, see Fig. 259 Class A-L.J.

Flag Pole, see Figs. 495 and 496 Size No. 1.



Fig. 1146  
"LITTLE JOE"

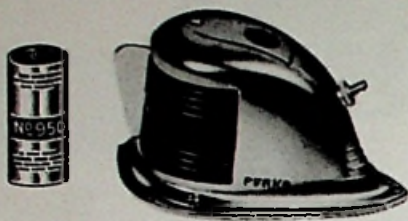


Fig. 1236

**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.

Each	Height Inches	Size Base Inches	Height Lens Inches	Flag Pole Socket Inches	Weight Pounds
\$8.50	3 7/8	6 1/4 x 3 3/8	2 1/2	3/4	1 1/8

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

Spare Bulb — See Fig. 53, 1.3 volts.

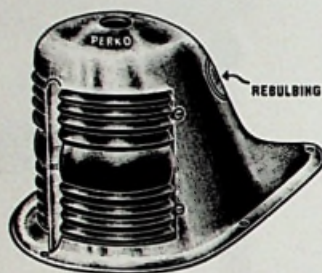


Fig. 1141

**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 1/8	5 3/8 x 9 1/2	4 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 1/2° red and green Fresnel lenses. Top is fitted to base with screw thread for easy rebulbing.

Each	Height Overall Inches	Diameter Body Inches	Height Lens Inches	Weight Ounces
\$6.00	4 1/2	2 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 1/2	2 1/2	2 3/8	3/4

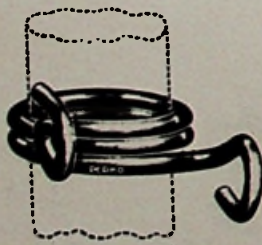


Fig. 232

**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

**"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



**IMPROVED ADJUSTABLE POLE LIGHT — Fig. 1233**

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

Brass Pole — Zamak Globe Holder and Base. Bayonet Double Contact Electric Socket. Height Adjustable down to 4 3/8 inches.

No.	Maximum Length Inches	Each	Diameter Pole Inches	Dimensions Base Inches	Weight Pounds
1	20	\$6.75	3/4	3 3/4 x 2 1/8	1 1/8
2	24	7.25	3/4	3 3/4 x 2 1/8	1 3/8
3	30	7.85	3/4	3 3/4 x 2 1/8	1 3/4
4	36	8.60	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. 248-P.



**IMPROVED ADJUSTABLE POLE LIGHT — Fig. 605**

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

Brass Pole and Base — Zamak Globe Holder. Bayonet Double Contact Electric Socket. Height Adjustable down to 4 3/8 inches.

No.	Maximum Length Inches	Each	Diameter Pole Inches	Dimensions Base Inches	Weight Pounds
1	20	\$8.00	3/4	3 3/8 x 2 1/4	1 1/8
2	24	8.50	3/4	3 3/8 x 2 1/4	1 1/4
3	30	9.10	3/4	3 3/8 x 2 1/4	1 3/8
4	36	9.85	3/4	3 3/8 x 2 1/4	1 3/4

Flag Pole Socket only \$2.75 each — Spare Electric Sockets, \$.85 each. Spare Globes, see Fig. 248-P.



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

**Heavy Gauge Plastic**

For use with Figs. 422, 605, 1233 and all other lights using the 1 3/4 inch or 2 1/2 inch globe.

Each \$2.35

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



225° Bow Shield  
Fig. 507



135° Stern Shield  
Fig. 508



Fig. 247



Fig. 1209



Fig. 660



Fig. 687



Fig. 609

**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	\$ 9.00	3 3/8 x 2 1/4	7/8
2	24	9.50	3 3/8 x 2 1/4	1
3	30	10.10	3 3/8 x 2 1/4	1 1/4
4	36	10.85	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 1/3
3	30	10.60	1 1/2
4	36	11.35	1 3/4

Flag Pole Socket Complete ..... \$2.75 each

**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.

**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



**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



**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



**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	2.65	14	3/4	1 1/2
3	3.00	18	3/4	2 1/2
4	3.60	18	1	4
5	4.75	24	1	5
6	6.25	30	1 1/4	8 1/2
7	7.80	36	1 1/4	13
8	9.90	48	1 1/4	26

With brass ferrule, add \$.75 Each.



**FLAG STAFF — Fig. 495**

**Brass — Chromium Plated**

With eyes for flag halyard. Sizes No. 2 and 3 have 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

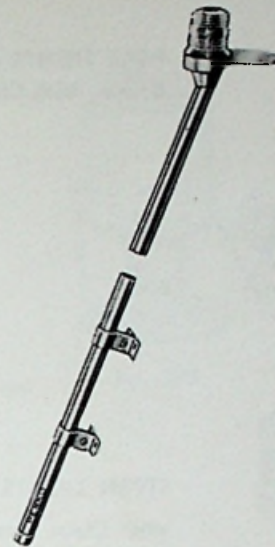


Fig. 658

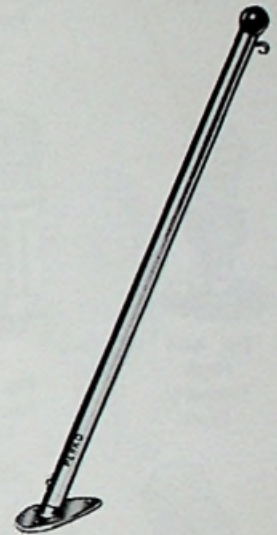


Fig. 580

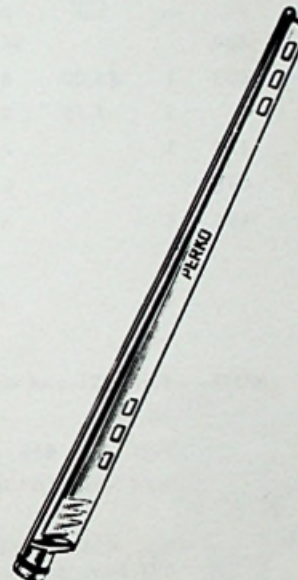


Fig. 1230



Fig. 496

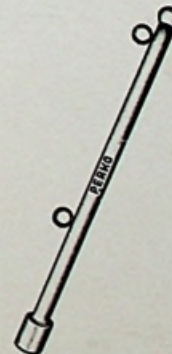


Fig. 495



Fig. 491  
Standard  
Type

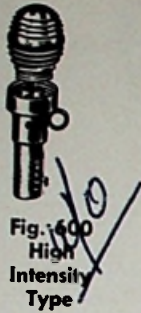


Fig. 600  
High  
Intensity  
Type

### 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 — Figs. 404, 422, 438, 421, 455.

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.	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
421			6.00	.95	2-9/16	281-P	12	3 3/8 x 2 1/4	6	17
455	1		4.50	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.

Figs. 404 and 600 with colored globe, add \$.50 each. Figs. 422, 438, 455 and 491 have plastic globe, clear only. With clear glass globe Figs. 250 or 251 add \$1.25 each. With colored globe add \$1.75 each.

For selection of colors see Figs. 250, 251 or 604.



Fig. 455  
Economy  
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	\$2.75	\$ .50
Height Overall Inches	Diam. Base Inches	Diam. Body Inches	Height Lens Inches	Weight Pounds
7	3 1/2	3 1/2	3 3/8	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	\$2.75	\$ .50	
Height Overall Inches	Diam. Body Inches	Height Lens Inches	Inside Length Neck Inches	Inside Diam. Neck Inches	Weight Pounds
6 3/4	3 1/2	3 3/8	2 1/2	1 1/4	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.

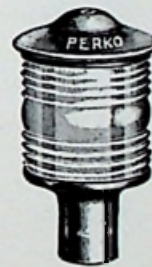


Fig. 521

★  
**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.	Plain 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 Clear 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 \$1.75 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.	Plain Bronze 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 3/4	3	2

Spare clear globes fig. 249, \$3.00 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.

Plain 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 3/4	5 1/2 x 2 3/4	1 1/4	1

Chromium plated finish, add \$1.00 to polished price.  
 Spare clear globes fig. 77, \$2.65 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 5/8	2 1/8	6 1/2

With Colored Globe, Red, Green, Blue or Amber Add \$1.75 each, See Figs. 250 and 251.



Fig. 371

★

**MAST LIGHTS — Figs. 145 & 309**

**Cast Bronze — With Medium Screw Socket — Fig. 106**  
**Clear Threaded Globe — For Bulbs up to 2 3/4 Inch Diameter Inclusive**

Fig.	Plain 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 3/4	5 x 3 1/2	2 3/4	1/2	3 3/4
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—Plain 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

Plain 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 1/2	15/16	1 1/4	2 1/2

For mounting on side of deck house.

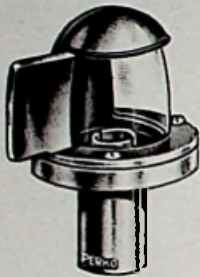


Fig. 911-A

**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

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

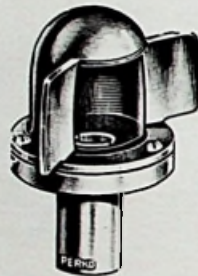


Fig. 912-A

Fig.	Plain 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

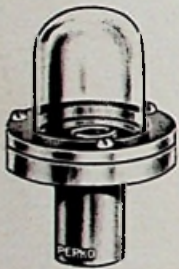


Fig. 913-A

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

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

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

NOTE—Laboratory field tests met the required distance of visibility with 6 C.P. bulbs.

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

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.



Fig. 938

Plain Each	Chromium Plated Each	Diam. Overall Inches
\$1.75	\$2.25	2 3/4

IMPROVED



Fig. 939

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

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
\$7.00	\$9.50	5 1/4 x 3	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



**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



**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



**ANCHOR LIGHT — Fig. 966**

32 Points— $360$  Degrees—Visibility 3 Miles—Clear Lens

\$6.25 Each



**NEW COMBINATION BOW LIGHT — Fig. 972**

Red and Green Lenses — Visibility 2 Miles

\$4.80 Each

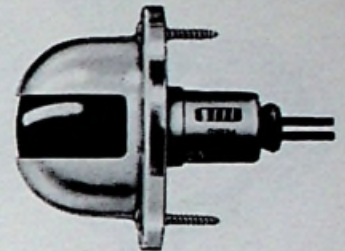


Fig. 962

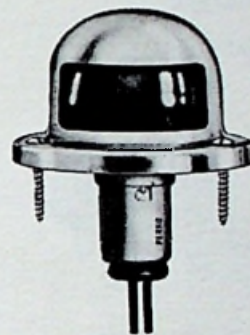


Fig. 963

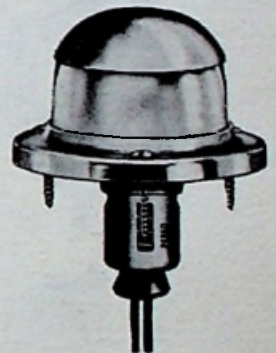


Fig. 964

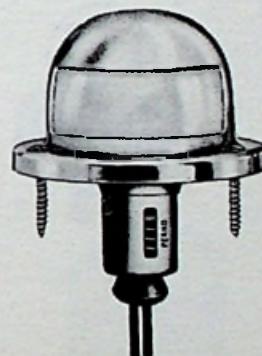


Fig. 965



Fig. 966



Fig. 972

Spare Globes, Clear, Red or Green (Fig. 74-P) \$.60 Each  
 Spare D.C. Sockets (Fig. 52) \$.50 Each  
 Spare Red and Green Special Globe for Fig. 972—\$1.10 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.

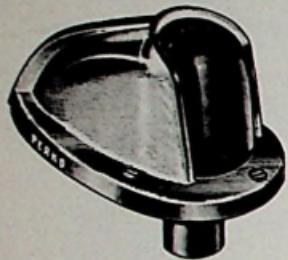


Fig. 1278

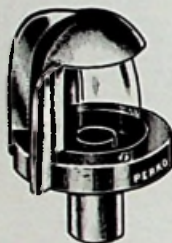


Fig. 1279



Fig. 1280

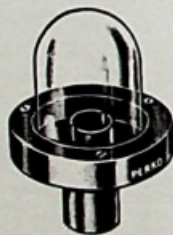


Fig. 1281

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	\$9.00		4 7/8	2 5/8		2 1/4
1279		\$4.80			1	
1280		4.80			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
\$4.00	2 1/8	2 3/8	2 3/8	7/8	1 3/16	5/8



IMPROVED 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
\$11.50	2 1/8	3 3/4 x 2 1/8	2 3/4

NOTE — 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



Fig. 1282



Fig. 1283

**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

**NEW COMPACT STREAMLINE SIDE LIGHTS — Fig. 1264**  
 Zamak Die Casting — Chromium Plated  
 10 Points—112½ Degrees—Minimum Visibility 2 Miles—  
 Colored Lenses: 1 Red, 1 Green

Chromium Plated Per Pair	Length Overall Inches	Height Overall Inches	Thickness Inches	Weight Per Pair Pounds
\$7.50	5½	3⅞	1¾	1¾

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



Fig. 1264



**NEW COMPACT STREAMLINE BOW LIGHTS — Fig. 1265**  
 Zamak Die Casting — Chromium Plated  
 20 Points—225 Degrees—Minimum Visibility 3 Miles—  
 Clear Lens

Chromium Plated Each	Length Overall Inches	Width Overall Inches	Height Overall Inches	Weight Pounds
\$4.50	6¼	3⅞	3¼	¾

Spare Electric Sockets, \$.75 Each.

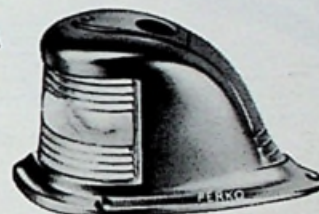


Fig. 1265



**INTERNATIONAL LIGHTS**

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

Fig.	Class	Galv. Each	Polished Brass Each	Chromium Plated Each	Height Lens Inches	Height Overall Inches	Weight Pounds
98	2	\$ 9.50	\$11.00	\$13.75	4¼	5¼	1½
98	3	11.50	13.00	15.75	5⅜	6	2
99	2	8.50	10.00	12.75	4¼	5¼	1½
99	3	10.50	12.00	14.75	5⅜	6	2

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

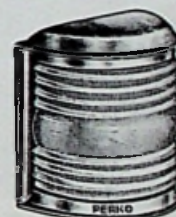


Fig. 98  
 BOW LIGHT

20 Points—225 Degrees

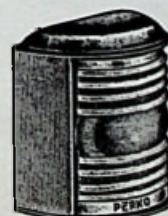


Fig. 99  
 STERN LIGHT

12 Points—135 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	4¼	10½	3½
97	11.50	14.50	4¼	10½	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



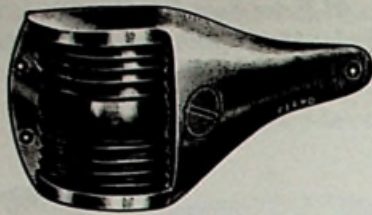


Fig. 563

**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	\$3.65	\$ .70
3	45.00	48.00	4.75	.70

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

Spare Lenses, see Fig. 259  
Spare D.C. Sockets, see Fig. 747, No. 1.



**STREAMLINE SIDE LIGHTS — Fig. 1138**

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



Fig. 1138

Bright Finish Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Spare Lenses Each	Spare Sockets Each
\$22.75	\$25.50	\$31.00	\$3.65	\$ .70

Extreme Height Inches	Extreme Length Inches	Height Lens Inches	Weight Per Pair Pounds
6 $\frac{3}{8}$	9 $\frac{3}{8}$	4 $\frac{1}{4}$	3 $\frac{1}{4}$

Spare Lenses, see Fig. 259  
Spare D.C. Sockets, see Fig. 747, No. 1.



**STREAMLINE BOW LIGHT — Fig. 561**

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



Fig. 561

Class	Polished Bronze Each	Chromium Plated Each	Spare Lenses Each	Spare Sockets Each
2	\$28.00	\$29.50	\$3.65	\$1.00
3	43.75	45.50	4.60	1.00

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

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



**STREAMLINE BOW LIGHT — Fig. 1139**

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



Fig. 1139

Bright Finish Each	Polished Brass Each	Chromium Plated Each	Spare Lenses Each	Spare Sockets Each
\$16.25	\$17.75	\$20.00	\$3.65	\$1.00

Height Inches	Size Base Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
5 $\frac{1}{4}$	5 $\frac{1}{4}$ 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	3 $\frac{3}{4}$	4 $\frac{1}{4}$	3 $\frac{3}{8}$	1 $\frac{1}{4}$

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	4 $\frac{1}{4}$	3 $\frac{3}{8}$	1 $\frac{3}{4}$
2	13.20	16.75	21.00	5	4 $\frac{1}{4}$	2
3	15.25	19.00	23.00	6	5 $\frac{3}{8}$	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	4 $\frac{1}{4}$	3 $\frac{3}{8}$	1
2	6.60	8.40	10.50	5	4 $\frac{1}{4}$	1 $\frac{1}{2}$
3	7.60	9.50	11.50	6	5 $\frac{3}{8}$	2

Spare Lenses, see Fig. 260.

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



Fig. 92

**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

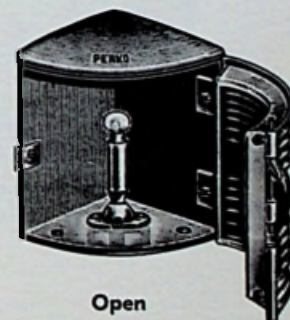
  

Class	Height Inches	Angle Inches	Height Lens Inches	Weight Per Pair Pounds
2	5 $\frac{1}{2}$	3 $\frac{3}{4}$ x 3 $\frac{3}{4}$	4 $\frac{1}{4}$	6 $\frac{1}{2}$
3	6	4 x 4	5 $\frac{3}{8}$	8

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	5 $\frac{1}{2}$	5 $\frac{1}{2}$	4 $\frac{1}{4}$	3 $\frac{3}{4}$
3	6 $\frac{1}{2}$	6	5 $\frac{3}{8}$	4 $\frac{1}{4}$

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 5/8	4 1/2	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 3/4	5 5/8	4 1/4	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
11	\$10.00	\$12.50	\$15.50
12	12.00	14.50	17.50

Fig.	Height Less Ring Inches	Diam. Base Inches	Height Lens Inches	Weight Pounds
11	6	4 1/2	3 3/8	1 1/2
12	9	5 3/8	4 1/4	2 1/2



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**

	Each
Lenses, fig. 261, Clear, for figs. 0-2 and 11	\$2.75
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
\$30.00	4 1/4	14	7	3 1/2	4 1/2

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
\$15.00	\$17.50	\$21.75	9 $\frac{3}{8}$	5x5 $\frac{1}{2}$	3-5/16	3 $\frac{3}{8}$



**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
\$15.00	\$17.50	\$21.75	6 $\frac{1}{2}$	5x5 $\frac{1}{2}$	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
\$11.50	\$14.25	\$18.00	9	4 $\frac{3}{4}$ x4 $\frac{1}{2}$	3-5/16	2 $\frac{3}{8}$

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



**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
\$11.50	\$14.25	\$18.00	6 $\frac{1}{4}$	4 $\frac{3}{4}$ x4 $\frac{1}{2}$	3-5/16	2



**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
\$18.25	\$22.75	\$30.25	3 $\frac{3}{8}$	9	4 $\frac{1}{4}$	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	\$2.80
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	1.00
Electric Sockets, Medium Screw, Fig. 346, No. 1	.70



Fig. 0-1



Fig. 0-10



Fig. 1

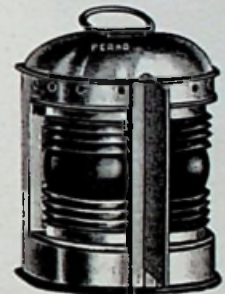


Fig. 3



Fig. 69

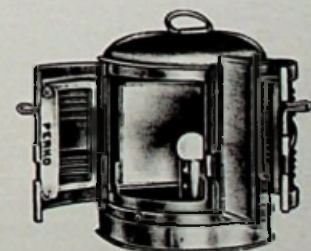


Illustration of Front Doors on Figs. 0-1 and 0-10



Fig. 0-4

**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
\$25.50	\$31.00	\$39.50	10½	5¼x5¼	4¼	6¼



Fig. 0-5

**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
\$12.75	\$15.50	\$19.75	10½	5x5½	4¼	3

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



Fig. 0-40

**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
\$25.50	\$31.00	\$39.50	7¼	5⅛x5⅛	4¼	5½



Fig. 0-50

**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
\$12.75	\$15.50	\$19.75	7⅞	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	\$3.65
Lenses, fig. 260, Class 2, for figs. 0-5 and 0-50	3.65
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	1.00
Electric Sockets, Medium Screw, fig. 346, No. 1	.70



Illustration of Front Door on All Above Lights

**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
\$30.00	\$36.00	\$45.50	12¼	5⅝x5⅝	5-3/16	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
\$15.00	\$18.00	\$22.75	12¼	5½x6⅞	5-3/16	4

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



**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
\$30.00	\$36.00	\$45.50	8½	5⅝x5⅝	5-3/16	7



**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
\$15.00	\$18.00	\$22.75	8½	5½x6⅞	5-3/16	4

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



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	\$4.75
Lenses, fig. 260, Class 3, for figs. 0-9 and 0-90	4.75
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	1.10
Electric Sockets, Medium Screw, fig. 346, No. 1	.70



Fig. 0-8

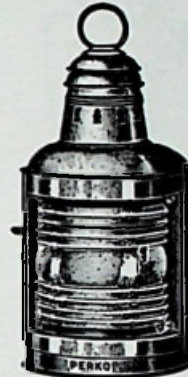


Fig. 0-9

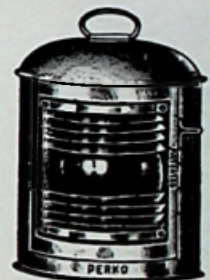


Fig. 0-80



Fig. 0-90

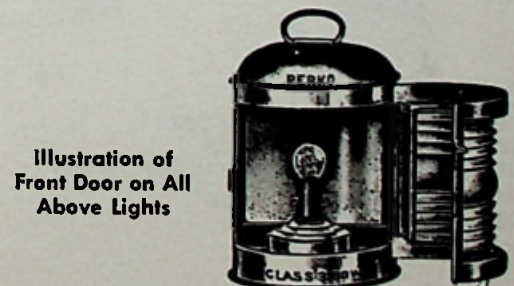


Illustration of Front Door on All Above Lights



Fig. 17



Fig. 18



Fig. 19



Fig. 20

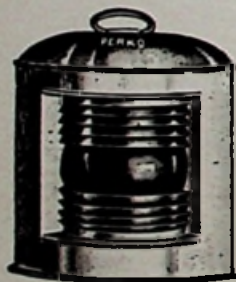


Fig. 4



Fig. 5

**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
\$20.50	\$24.00	\$31.00	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
\$10.25	\$12.00	\$15.50	10½	4½x5	4¼	3

Combination Oil and Electric, Add \$1.75 Each.

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

**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
\$24.00	\$30.00	\$38.00	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
\$12.00	\$15.00	\$19.00	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.

**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	\$20.50	\$24.00	\$31.00	7¼	4¾x5½	4-1/4	5
3	24.00	30.00	38.00	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	\$10.25	\$12.00	\$15.50	7¼	4½x5	4-1/4	2½
3	12.00	15.00	19.00	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. 56, 1.35 volts.

Polished Brass Each	Chromium Plated Each	Height Inches	Diam. Base Inches	Weight Pounds
\$17.25	\$20.00	10½	3	1¼

With battery, add \$2.00 each.  
With red, green or blue globe, add \$.60 each.  
Spare globes, see Fig. 250  
Spare bulbs, \$.32 each.



Fig. 48

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

All Brass—Watertight Switch—Clear Globe

Polished Brass, ea.	Height	Base Diameter	Weight
\$39.25	9"	4"	1 lb. 10 oz.

Approximately 55 flashes per minute. Standard lantern bat-  
teries 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.

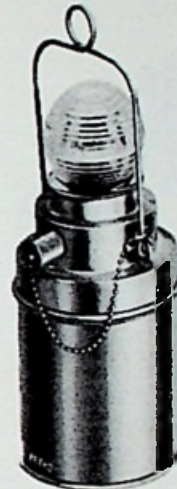


Fig. 41

**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	\$18.50	\$27.50	11	3
2	8	21.50	32.50	14½	6
3	10	38.50	52.00	17¾	8½

Distress Light With Red Globe, Add \$6.00 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

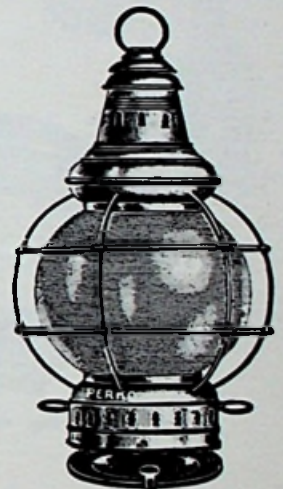


Fig. 44

**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	2½
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

**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.



Fig. 494

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	4¾	8¾	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, \$.80 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**

Also Used As Aircraft Warning Light

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, \$11.50 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
\$36.75	4 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	4

Interior complete with Condenser, each \$15.00

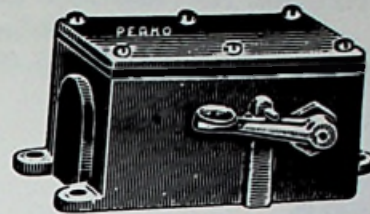


Fig. 9

**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	\$ 33.50	10 $\frac{1}{2}$	6 $\frac{1}{2}$	6 $\frac{1}{2}$
541	Double	78.00	46 $\frac{1}{2}$	6 $\frac{1}{2}$	16
542	Triple	123.00	82 $\frac{1}{2}$	6 $\frac{1}{2}$	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 $\frac{1}{2}$  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.

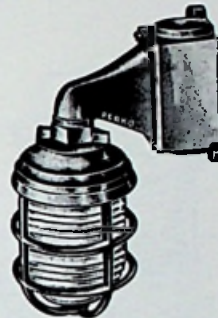


Fig. 540

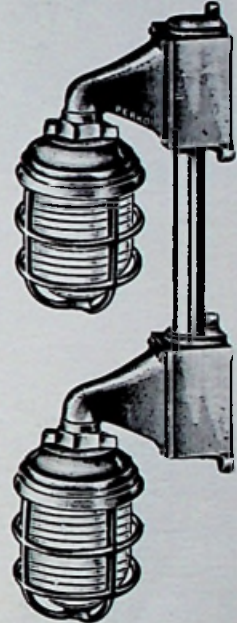


Fig. 541

**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
\$12.50	\$14.75	11	5 $\frac{5}{8}$	4x6 $\frac{1}{2}$	3

With Red, Green, or Blue globe, add \$2.00 each.

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



Fig. 49

**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.



Fig. 46

**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

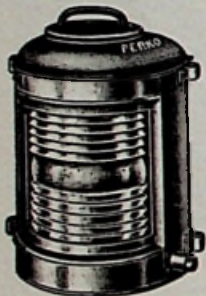


Fig. 1152



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	\$126.00	\$153.00	6¾	11	7¼ x 7¼	18	65 to 150
2	157.00	189.00	7½	13½	9½ x 9½	30	over 150
3	186.00	218.00	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	\$ 63.00	\$ 76.50	6¾	11	7⅞ x 7¼	8⅞	10
2	78.50	94.50	7½	13½	9 x 10	10¾	15
3	93.00	109.00	8½	15¼	10¼ x 11¼	12¼	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	\$ 63.00	\$ 76.50	6¾	11	7 x 7½	8⅞	9
2	78.50	94.50	7½	13½	9 x 10	10¾	12
3	93.00	109.00	8½	15¼	10¾ x 10¾	12¼	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	\$ 63.00	\$ 76.50	6¾	10¾	7¾	11
2	78.50	94.50	7½	12¾	9¾	16
3	93.00	109.00	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	\$ 69.00	\$ 82.50	6¾	10¾	7¾	11
2	85.50	101.50	7½	12¾	9¾	16
3	103.00	119.00	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	\$115.00	\$143.00	5½	13¾	6¾x 6¾	14	65 to 90
1	126.00	153.00	6¾	14¾	7¼x 7¼	18	90 to 150
2	157.00	189.00	7½	18	9½x 9½	29	over 150
3	186.00	218.00	8½	19¾	10¾x10¾	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	\$ 57.50	\$ 71.50	5½	13¾	7 x 7¼	8½	7
1	63.00	76.50	6¾	14¾	7¼x 7¼	8¾	9
2	78.50	94.50	7½	18	9 x10	10¾	15
3	93.00	109.00	8½	19¾	10¾x11¼	12¾	21



Fig. 1156

With red or green lens (special purpose), add \$11.00 each.  
 With amber lens Sizes No. 0, 1 and 2 only, add \$11.00 each.

**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	\$ 57.50	\$ 71.50	5½	13¾	7 x 7¼	8½	6
1	63.00	76.50	6¾	14¾	7 x 7¼	8¾	8
2	78.50	94.50	7½	18	9 x10	10¾	13
3	93.00	109.00	8½	19¾	10¾x10¾	12¾	16



Fig. 1157

With red or green lens (special purpose), add \$11.00 each.  
 With 45 degree lens (for suction dredges), add \$15.00 each.  
 With amber lens Sizes 0, 1 and 2 only, add \$11.00 each.

**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	\$ 57.50	\$ 71.50	5½	13	7¾	10
1	63.00	76.50	6¾	14	7¾	11
2	78.50	94.50	7½	17¼	9¾	17
3	93.00	109.00	8½	18¾	10¾	23

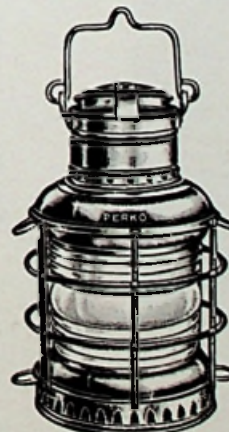


Fig. 1158  
 Fig. 1159

**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	\$ 62.50	\$ 76.50	5½	13	7¾	10
1	69.00	82.50	6¾	14	7¾	11
2	85.50	101.50	7½	17¼	9¾	17
3	103.00	119.00	8½	18¾	10¾	23



No. Each  
 0 or 1 Complete \$8.00  
 2 or 3 Complete 9.30

Oil Lamp used in Lights on this page

**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

**SIDE LIGHTS — Fig. 30**

112 1/2 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	\$ 95.00	\$124.00	5 1/2	10 1/2	6 1/2 x 6 1/2	12	65 to 90
1	100.00	132.00	6 3/4	11	7 1/2 x 7 1/2	14	90 to 150
2	126.00	164.00	7 1/2	13 1/2	9 1/2 x 9 1/2	24	over 150



Fig. 983

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

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	\$47.50	\$62.00	5 1/2	10 1/2	7 x 7	8 1/2	6
1	50.00	66.00	6 3/4	11	7 x 7	8 3/4	8
2	63.00	82.00	7 1/2	13 1/2	9 x 10 1/4	10 3/4	12 1/2

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



Fig. 986

**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	\$47.50	\$62.00	5 1/2	10 1/2	7 x 7	8 1/2	5 1/2
1	50.00	66.00	6 3/4	11	7 x 7	8 3/4	7
2	63.00	82.00	7 1/2	13 1/2	9 x 10 1/4	10 3/4	9 1/2

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	\$47.50	\$62.00	5 1/2	9 3/4	7 1/2	8
1	50.00	66.00	6 3/4	10 3/4	7 1/2	9
2	63.00	82.00	7 1/2	12 3/4	9 3/4	13



Fig. 32

Fig. 84

**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	\$52.50	\$67.00	5 1/2	9 3/4	7 1/2	8
1	56.00	72.00	6 3/4	10 3/4	7 1/2	9
2	70.00	89.00	7 1/2	12 3/4	9 3/4	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 CHIMNEY 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	\$ 95.00	\$124.00	5½	14	6½x6½	13	65 to 90
10	100.00	132.00	6¾	15	7½x7½	15	90 to 150
11	126.00	164.00	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	\$47.50	\$62.00	5½	14	7 x 7	8½	7½
1	50.00	66.00	6¾	15	7 x 7	8¾	9½
2	63.00	82.00	7½	18¾	9 x 9½	10½	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	\$47.50	\$62.00	5½	14	7 x 7	8½	6
1	50.00	66.00	6¾	15	7 x 7	8¾	7½
2	63.00	82.00	7½	18¾	9 x 9½	10½	10½

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.



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	\$47.50	\$62.00	5½	13¾	7½	8½
22½	50.00	66.00	6¾	14½	7½	10
23	63.00	82.00	7½	17¾	9¾	14

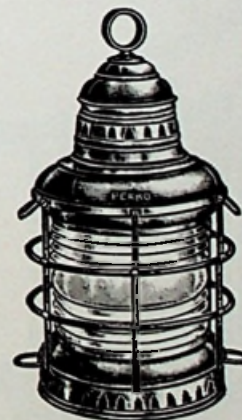


Fig. 23 or 129

**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	\$52.50	\$67.00	5½	13¾	7½	8½
22½	56.00	72.00	6¾	14½	7½	10
23	70.00	89.00	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.

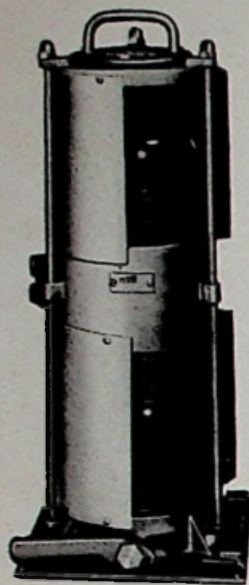
**COPPER LIGHTS MADE TO ORDER —**

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

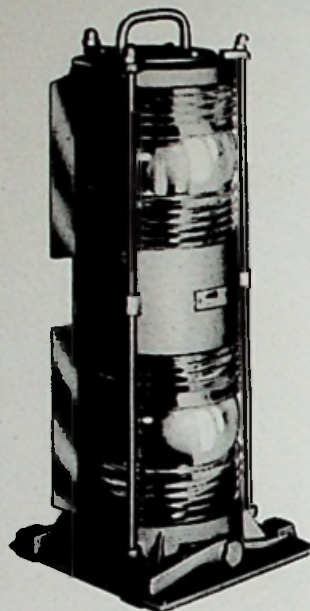
**TWO LENS NAVIGATION LIGHTS FOR SHIPS**

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.



10 Point-112½°  
Fig. 1164



20 Point-225°  
Fig. 1165



Fig. 1171

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
\$15.50	\$18.00	\$.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

*1178 S.L.  
1173 M+T  
1174 S.*

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.

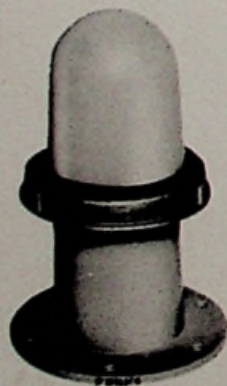


Fig. 1162

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

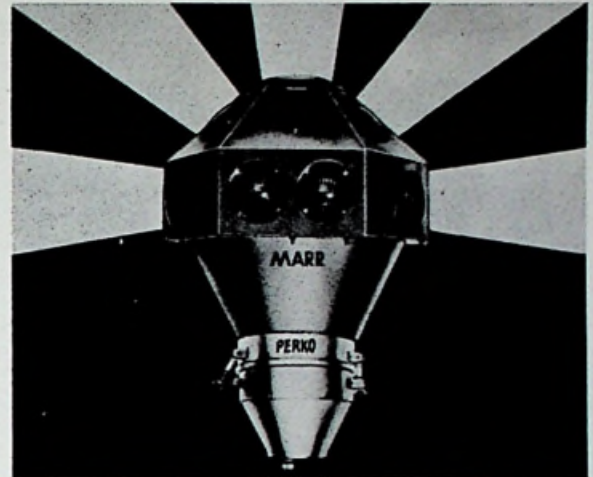
**PERKO-MARR WHISTLE LIGHT — Fig. 1137**

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.  
 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.

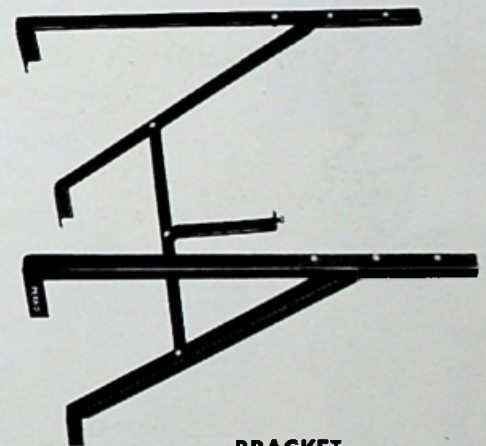
Install this Light above the superstructure. On top of the Pilot House, on the Radar Antenna Mast, or on a stanchion. To be effective, the powerful light rays must project directly all around the horizon and upward toward the clouds.

Type	Stainless Steel Each	Height Light Inches	Width Light Inches	Weight Pounds
A-2	\$400.00	28	18	28

Please specify color, otherwise clear will be shipped.  
 Spare Sealed Beam Units, 500 Watt, \$15.00 Each . . .

**BRACKETS**

Price of Light does not include Brackets.  
 Brackets Supplied to Order, Price on Application.



**BRACKET**

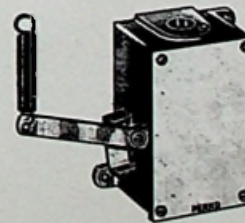
★  
**PULL SWITCH AND RELAY — Figs. 1134 & 1135**

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

Each \$45.00      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 \$45.00      Weight 2¾ Pounds



**Fig. 1134**



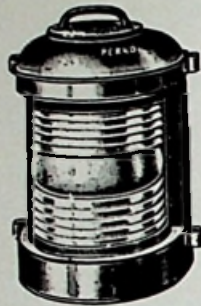
**Fig. 1135**

**SELF CONTAINED BATTERY NAVIGATION LIGHTS**

For Oil Carriers, Barges, Scows, Etc.



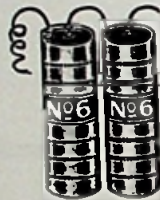
**Fig. 1001**  
Side Lights  
112½ Degrees



**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	\$132.00	\$82.00	\$ 94.50	\$82.00	\$ 94.50
Pol. Brass	159.00	98.00	110.00	98.00	110.00
Spare Lenses	30.00	20.00	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	\$107.00	\$72.00	\$84.00	\$72.00	\$84.00
Spare Lenses	30.00	20.00	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 con-  
tact, 2.9 volts, .15 amp. Fig. 337, \$2.40 each. Battery con-  
tainers 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 1½ 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	\$46.00	\$54.00	4¼	15	6¾	5½
2	62.00	71.00	5½	16	6¾	7½

Light shielded to 112½, 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 1½ 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	\$44.00	\$52.00	4¼	15	6¾	5½
2	60.00	69.50	5½	16	6¾	7½

Light shielded to 112½, 135 or 225 degrees, add \$10.00 each.

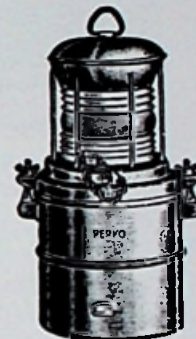


Fig. 470

**60 DAY BATTERY ANCHOR LIGHT — Fig. 474**

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

Uses 6 standard 1½ 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	\$74.00	\$86.00	5½	16	8½	8½

Light shielded to 112½, 135 or 225 degrees, add \$10.00 each.

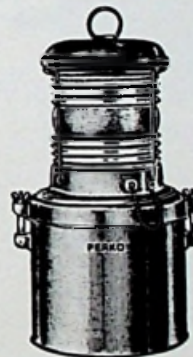


Fig. 474



FIG. 485

**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	\$87.00	\$95.00	4¼	12½	6¾	9

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

**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, 2.9 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

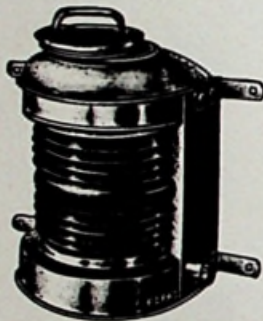


Fig. 31



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 $\frac{1}{2}$	13 $\frac{1}{2}$
31	Electric only	81.00	98.00	7 $\frac{1}{2}$	13 $\frac{1}{2}$
59	Oil or Electric	73.00	90.00	7 $\frac{1}{2}$	18
59	Oil and Electric	78.00	95.00	7 $\frac{1}{2}$	18

		Width Overall Inches	Size Base Inches	Weight Pounds
29	Electric only	14 $\frac{1}{2}$	9 $\frac{1}{8}$ x9 $\frac{1}{8}$	9
31	Electric only	14 $\frac{1}{2}$	9 $\frac{1}{8}$ x9 $\frac{1}{8}$	11
59	Oil or Electric	14 $\frac{1}{2}$	9 $\frac{1}{8}$ x9 $\frac{1}{8}$	13
59	Oil and Electric	14 $\frac{1}{2}$	9 $\frac{1}{8}$ x9 $\frac{1}{8}$	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, Mld. 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
\$110.00	\$100.00	7 $\frac{1}{8}$	19	11 $\frac{1}{2}$	5	24

Mounted on 1 $\frac{1}{2}$ " Brass Pipe and Flange, add \$15.00 Each.

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.

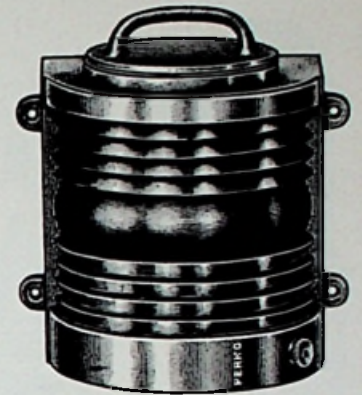


Fig. 1005

FIG.	Cast Bronze Each	Cast Aluminum Each	Height Lens Inches	*Height Overall Light Inches	
				Brnze	Aluminum
1005	\$110.00	\$95.00	7 3/4	9 1/4	
125	122.00	106.00	7 3/4	19	
1010	150.00	140.00	7 3/4	17 1/2	

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

Fig. 125 mounted on 1 1/2" brass pipe and flange, add \$15.00 each. 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

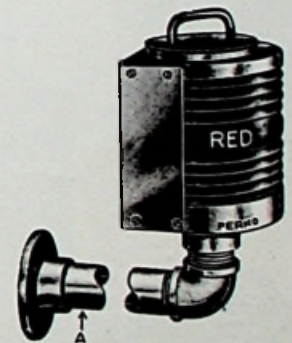


Fig. 1010

**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 adpoter.

	Galv. Each	Spare Lens Each	Spare Panels Each
Oil or Elec.	\$75.00	\$18.00	\$4.40
Oil and Elec.	80.00	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 3/4	18	11 1/4	9 1/2 x 10 3/4	18

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

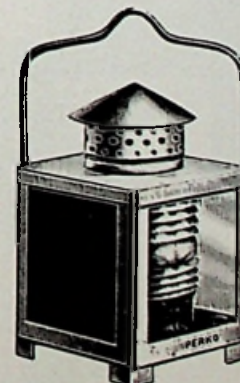


Fig. 63

**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 or 90 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

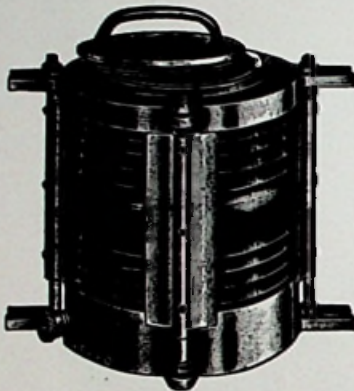


Fig. 39



Fig. 50



Fig. 68

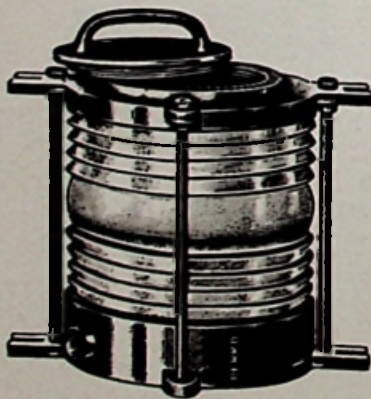


Fig. 1006



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	\$120.00	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 7/8	13 3/4	12 1/2	13 1/2	
39	Elec. only	7 7/8	9 3/4	11 3/4	22	15
50	Oil or Elec.	7 7/8	18	12 1/2	14	
50	Oil and Elec.	7 7/8	18	12 1/2	14 1/2	

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

Specify area of lens otherwise 90 degrees will be shipped. Supplied with one lens shielded for 3-way light (one red, two green) use above prices. Specify.

**Fig. 39** — Mounted on pedestal per Fig. 126, 1" pipe add \$12.00 each. 1 1/2" pipe add \$27.00 each.

**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			\$98.00	\$88.00
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 1/8	14 1/2	9 1/2	13	
1006	Electric only	7 1/8	9 1/2	11 3/8	21	14
80	Oil or Elec.	7 1/8	18	9 3/4	17	
80	Oil and Elec.	7 1/8	18	9 3/4	17	

**Fig. 1006** — Mounted on pedestal, see Fig. 126.

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
\$190.00	\$180.00	7 1/8	20 1/4	11 1/2	36	29

With Alternate Red and Green 60 degree or 90 degree Lenses per Fig. 39, add \$32.00 Each.

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.

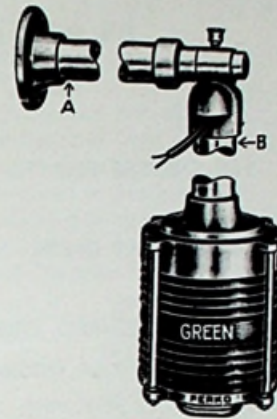


Fig. 1011

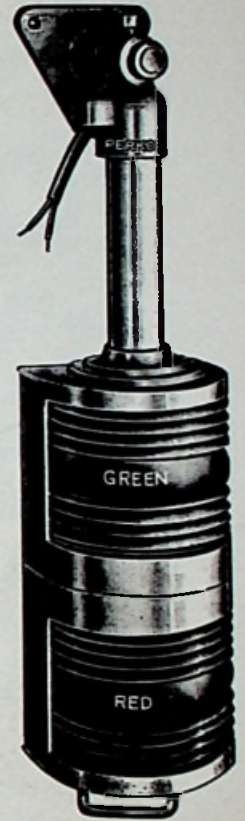


Fig. 22

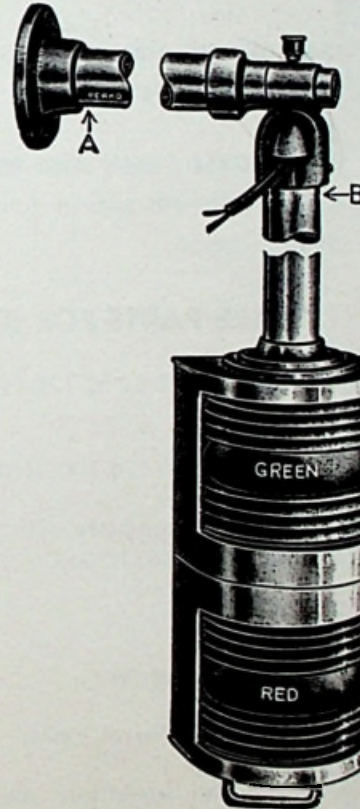


Fig. 1012

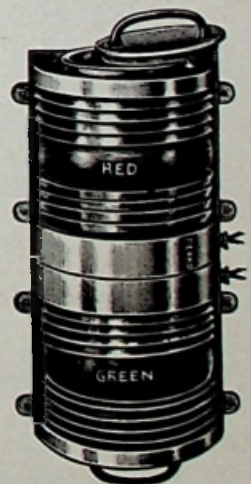


Fig. 127

**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.	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	\$225.00	30 1/2	7 3/8	8 1/2	6 1/4 x 6 1/4	54	42
127	230.00	210.00	18 1/2	7 3/8	**9 1/4		36	24
1012	350.00	325.00	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 OR 90 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>\$1.30</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

Size Inches	Diameter Reflector Inches	Spare Reflectors Each	Range	Beam Candle Power
8	8	\$28.00	up to ¾ mile	350,000
10	10	28.00	up to 1 mile	590,000
12	12	39.50	up to 1½ miles	700,000
14	14	64.00	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	9¾	21	6¾	34
12	17	11¾	24	6¾	41
14	19	13¾	26	8¾	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.

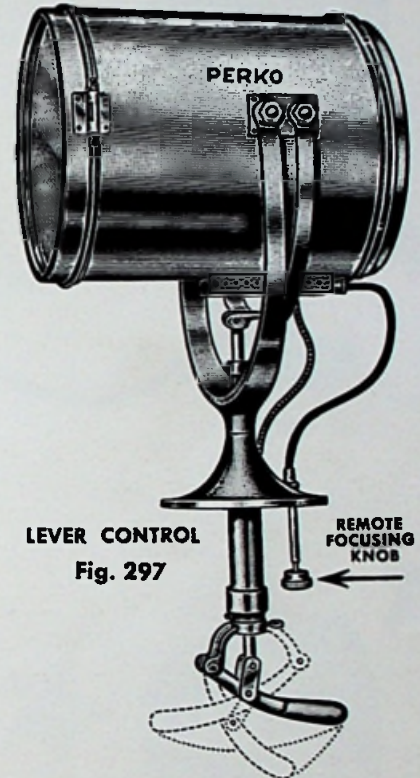
Fig. 297 with extra long control, add \$55.00 each.

Fig. 529 with extra long control, add \$80.00 each.

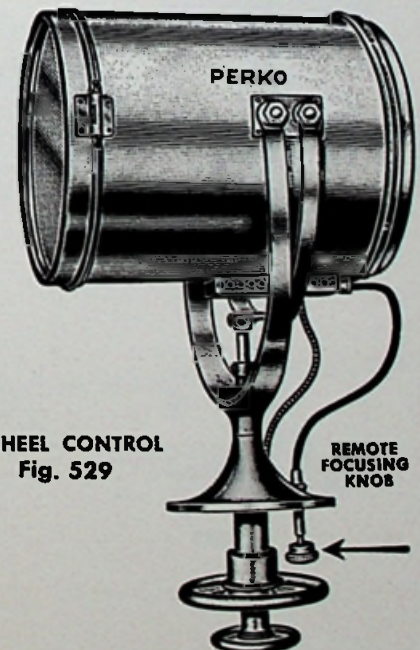
Spare medium screw sockets, \$1.20 each.

Spare mogul screw socket, \$1.75 each.

All above can be supplied with 24 volt 150 watt medium screw base lamp. No extra charge.



LEVER CONTROL  
 Fig. 297  
 REMOTE FOCUSING KNOB



WHEEL CONTROL  
 Fig. 529  
 REMOTE FOCUSING KNOB

**NEW PERKO SEALED BEAM SEARCHLIGHTS**

**Brass Head — Cast Bronze Base — Chromium Plated —  
High Power — Long Distance Sealed Beam Spotlight Units  
12 or 32 Volts**

**12 Volts — 200,000 Beam Candlepower — Range About 1/2 Mile  
32 Volts — 250,000 Beam Candlepower — Range About 5/8 Mile  
Horizontal Rotation 350 Degrees**

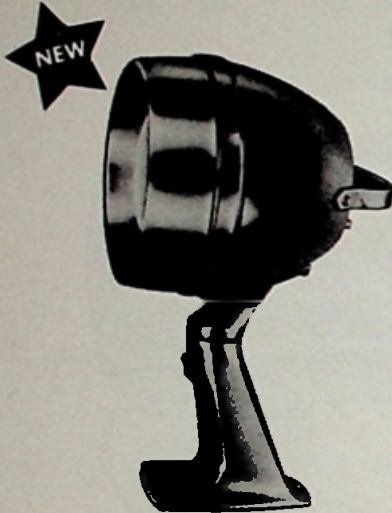


Fig. 534

**DECK CONTROL — Fig. 534  
With Toggle Switch**

No.	12 Volt Each	32 Volt Each	Nominal Diameter Inches	Dimensions Base Inches	*Height Above Deck Inches	Weight Pounds
2	\$46.00	\$48.00	6	4 7/8 x 3 1/8 x 2	12	4 5/8

\*Height is overall — from deck to top of head.  
Length of head excluding handle, 6 inches

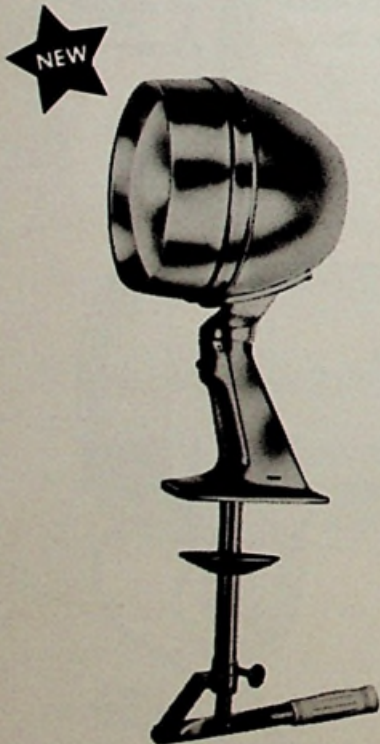


Fig. 535

**PILOT HOUSE CONTROL — Fig. 535  
With White Rubber Grip on Lever Handle**

With finishing plate for underside of cabin top and position locking device.

No.	12 Volt Each	32 Volt Each	Nominal Diameter Inches	Dimensions Base Inches	*Height Above Deck Inches	Weight Pounds
2	\$57.50	59.50	6	4 7/8 x 3 1/8 x 2	12	4 5/8

\*Height is overall — from deck to top of head.  
Length of control below base, 7 1/4 inches  
Length of head overall, 6 inches  
For special length of control, add \$18.50 each.

**Spare Sealed Beam Units for Above**

12 Volt	\$6.00 Each
32 Volt	7.75 Each



**FLEXIBLE REMOTE CONTROL — Fig. 536**  
**For Operation From Dash**

Smooth operation in vertical and horizontal planes by single control handle on dash. Has attractive knob tightening device on dash for maintaining set position of head

Length of Control Cable Inches	12 Volt Each	32 Volt Each
36	\$61.00	\$63.00
48	62.50	64.50
60	64.00	66.00

Nominal Diameter Inches	Dimensions Base Inches	*Height Above Deck	Length Head Inches	Weight Pounds
6	4 7/8 x 3 1/8 x 2	12	6	5

\*Height is overall — deck to top of head.  
 Above cable lengths are standard stock.  
 Special lengths, price on application.  
 Maximum length for smooth operation is 12 feet.

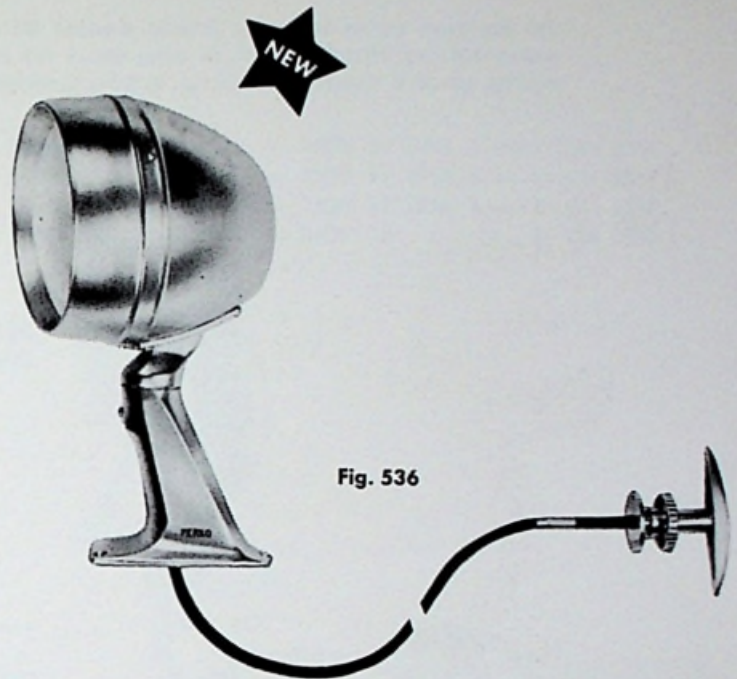


Fig. 536

**NEW**

**FIXED REMOTE CONTROL — Fig. 537**  
**For Mounting on Cabin Top — Operated Through Windshield or From Bridge**

Supplied complete with one rod stanchion, windshield bearing and knob tightening device to hold head in position.  
 Standard Length of control rod is 48 inches.

12 Volt Each	32 Volt Each
\$71.00	\$73.00

Nominal Diameter Inches	Dimensions Base Inches	*Height Above Deck	Length Head Inches	Weight Pounds
6	4 7/8 x 3 1/8 x 2	12	6	6 1/2

\*Height is overall— deck to top of head.  
 Special lengths of control rod made to order add \$3.50 for each 12 inches or fraction thereof up to 12 feet.  
 Extra rod stanchions, \$2.50 each.

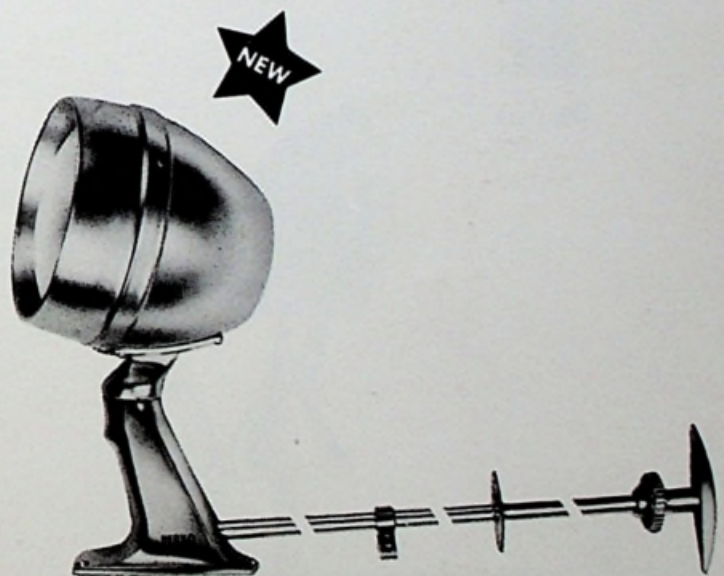


Fig. 537

**NEW**

**Spare Sealed Beam Units for Above**

12 Volt	\$6.00 Each
32 Volt	7.75 Each

**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 ½ 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 ¾ MILE—260,000 BEAM CANDLEPOWER

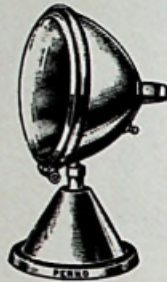


Fig. 454

**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	7¾	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	2½

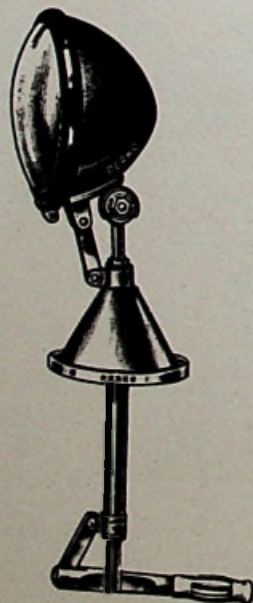


Fig. 437

**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	10¼	3
3	7	6¼	13½	5

All No. 3 size above can be supplied with 24 volt 250 watt sealed beam lamps to order, add \$2.50 each.

**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

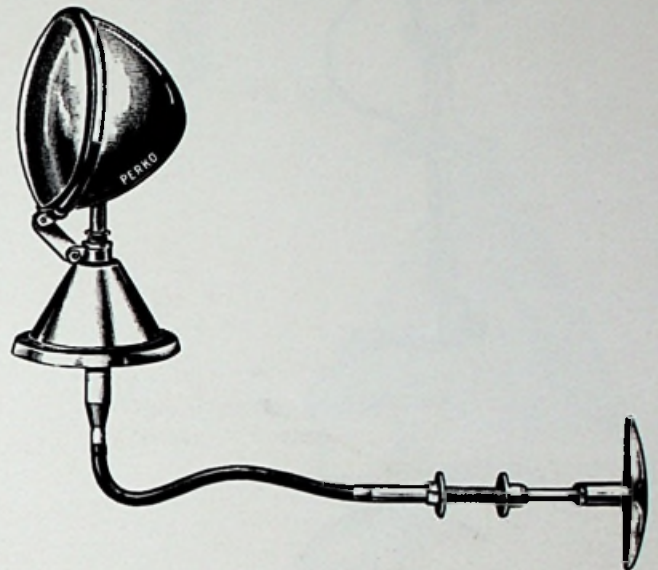


Fig. 241

**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 \$3.50 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	16½	5½

All No. 3 size above can be supplied with 24 volt 250 watt sealed beam lamps to order, add \$2.50 each.

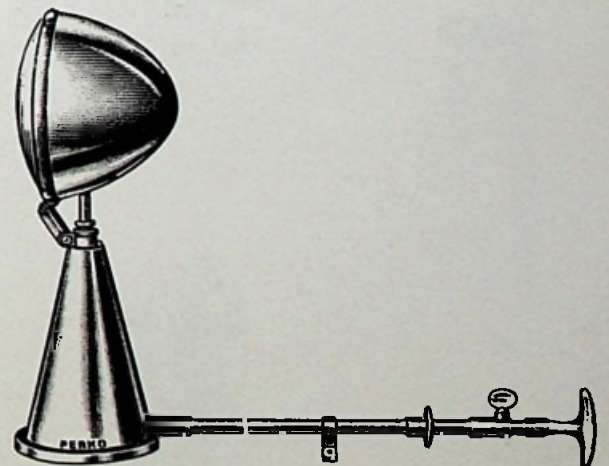


Fig. 283

**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



Fig. 306

Length of control rod below base 10 inches.

No. 3 has parabolic mirror reflector. Range is about ½ mile.

No. 4 has mangin mirror reflector and 100 C.P. bulb. Range is about ¾ mile.

No.	Diam. Inches	Diam. Reflector Inches	Height Above Deck Inches	Diam. Base Inches		Weight Pounds
				Polished Brass Each	Chromium Plated Each	
3	8	7 ¼	14	5 ½		11
4	8	7	14	5 ½		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.

**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.

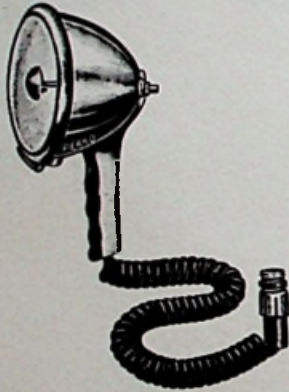


Fig. 440

**NEW**

No.	Each	Volts	Diameter Lens Inches	Range About	Weight Pounds
1	\$23.00	12	4 ½	¼ mile	2
3	28.50	12	7	½ mile	2 ½

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

**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.

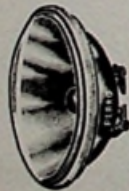


Fig. 433

No.	6 Volt Each	12 Volt Each	32 Volt Each	Diam. Lens Inches	Watts	Range About
1	\$3.00	\$3.75		4 ¼	30	¼ mile
2	3.00	3.75		6	30	⅓ mile
3	6.50	6.50		7	100	½ mile
3			\$10.75	7	200	¾ mile

No. 3 size available in 24 volt 250 watts. \$10.75 each.

**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 2½ 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



**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
\$9.75	7½	8	4¼	100	3

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



**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



**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.



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

Diam. Inches	Each	For Searchlights Fig. and Size
7⅝	\$2.50	306
8⅝	2.75	297-529— 8 inch
10⅝	3.15	297-529—10 inch
12⅝	4.30	297-529—12 inch
14⅝	5.00	297-529—14 inch

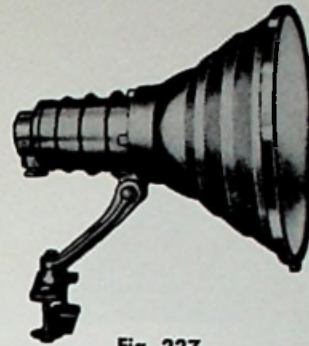


Fig. 227

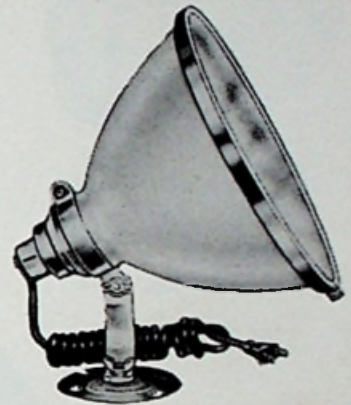


Fig. 228

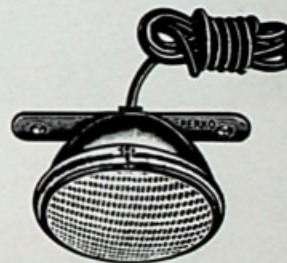


Fig. 268

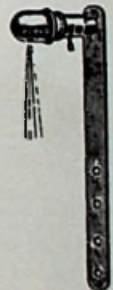


Fig. 707

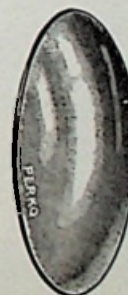


Fig. 429

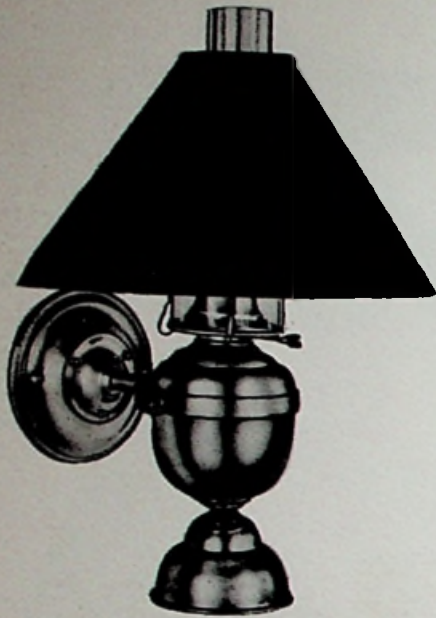


Fig. 1214

**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	4 3/4	4 1/8

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	3 3/4	3 1/2

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.



**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	3 3/4	3 1/4

Metalloid Shade for above, \$4.25 Each. See Fig. 1214

Spare Globes, \$1.25 each.



**LIGHTHOUSE—Fig. 868**

Cast Aluminum—Steel Gray Finish

A pair of these on the fireplace mantle of a yacht club, marine room or den creates an attractive nautical effect. A practical trophy for a boat race or regatta.

Complete with toggle switch in base, a 110 volt bulb and candelabra screw socket.

Each	Height Overall Inches	Diameter Base Inches	Weight Pounds
\$47.50	11 3/4	6 3/4	3 1/2



Fig. 1220



Fig. 1215



Fig. 868

**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	\$44.00	\$49.00	\$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	29 1/2	5 3/4	13x15x15	8	4 3/4
1211	18	4 1/4	8x10x10	3-5/16	2 1/2
1212	23 1/2	5 3/4	10x12x12	4-1/4	3 3/4
1213	18	5 1/4	8x10x10		2 3/4

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 5/8 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	6 3/8	1 3/8	5/8
2	7.00	8 1/8	1 7/8	1 7/8



Fig. 1210



Fig. 1211



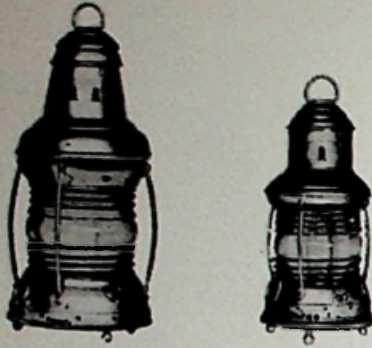
Fig. 1212



Fig. 1213



Fig. 1035



Figs. 1031 &amp; 1033

**ELECTRIC MARINE LAMPS — Figs. 1031 & 1033**

For Use Ashore — All Brass — With Fresnel Lenses — Wired — With Switch

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

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.

**"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 $\frac{1}{4}$	5	1 $\frac{1}{4}$

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 $\frac{1}{4}$	5	1 $\frac{1}{4}$

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

**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 $\frac{1}{2}$ x13
2	37.00	47.00	9x13 x17

**MARINE LAMPS FOR POST MOUNTING — Figs. 837 & 840**

All Brass — Medium Screw Electric Socket — Wired

Fig. 837 Has Clear Fresnel Marine Lens.

Fig. 840 Has White Frosted Globe.

Fig.	Polished Brass Each	Chromium Plated Each	Height Lamp Inches	Height Lens Inches	Diam. Globe Inches	Weight Pounds
837	\$36.00	\$42.00	11 $\frac{1}{4}$	4 $\frac{1}{4}$		4
840	55.00	60.00	14		8	4 $\frac{1}{2}$

Fig. 837 With Red, Green or Amber Lens, Add \$2.40 Each.  
Fig. 840 With Red, Green or Blue Globe, Add \$2.00 Each.



Fig. 1037



Fig. 1036



Fig. 1045



Fig. 837



Fig. 840



**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
3	73.50	82.00
4	90.00	98.00

Wall Bracket — Fig. 1025

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

Sizes No. 1 and 2 Have Vertical Guards Only Per Illustration of Fig. 1023.

Dimensions: Figs. 1023, 1024 & 1025

No.	Height Lamp Only Inches	Diam. Lamp Inches	Height Lens Inches	Approx. Weight Pounds	COLORED LENSES	
					No.	Add Each
1	8 $\frac{3}{4}$	4 $\frac{1}{2}$	3 $\frac{3}{8}$	3	1	\$2.00
2	11 $\frac{3}{4}$	5 $\frac{3}{8}$	4 $\frac{1}{4}$	4	2	2.40
3	14 $\frac{1}{2}$	7 $\frac{1}{2}$	6 $\frac{1}{4}$	10	3	6.00
4	17 $\frac{1}{4}$	9 $\frac{3}{4}$	7 $\frac{1}{8}$	14	4	7.00

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	\$35.00	\$39.00	11	6	3
2	49.00	54.00	14	8	4 $\frac{1}{2}$
3	66.00	74.00	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.

Hanging Fixtures Figs. 1024 & 1032 furnished with 12" of chain.

**SHIP'S MASTHEAD LIGHT — Fig. 1034**

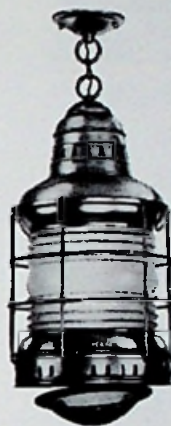
Medium Screw Electric Socket — Flat Back For Wall Mounting

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.



FLUSH CANOPY Fig. 1023



CANOPY AND CHAIN Fig. 1024



WALL BRACKET Fig. 1025



CANOPY and CHAIN WHITE FROSTED GLOBE Fig. 1032

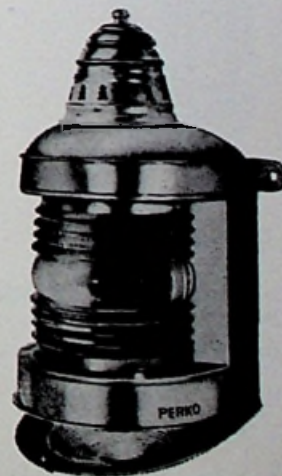


Fig. 1034



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. 128



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



**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	3½	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 — Figs. 217 and 450**  
**Zamak Die Casting or Cast Bronze with Turn Switch**

Fig.	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Projection Less Lamp Inches	Weight Ounces
217		\$2.25	2½x2¼	2½	8
450	\$4.75	5.25	2½x2¼	2½	11

Spare socket with switch, \$.95 each.



Fig. 217—Zamak  
 Fig. 450—Bronze

**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.

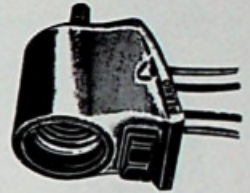


Fig. 1295

**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
\$3.95	3½x2¼	5¾	2¾	10

Spare socket with switch, \$.95 each.



Fig. 225



Fig. 1237

**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.

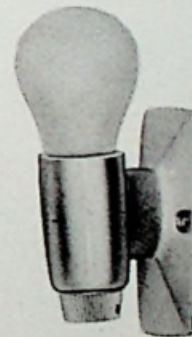


Fig. 1219

**ELECTRIC CABIN FIXTURE — Fig. 1219**  
**Zamak Die Casting—Chromium Plated—Turn Switch**

Each	Base Dimensions Inches	Projection Less Lamp Inches	Weight Ounces
\$3.50	3¾ x 1½	2¾	6

**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



For Hanging Bulb  
 Fig. 27



For Upright Bulb  
 Fig. 28

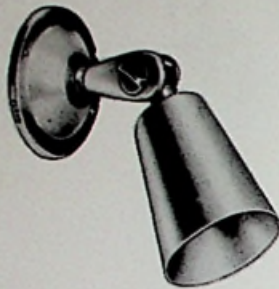


Fig. 341

**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

With Push Switch in Wall Plate, add \$1.00 each.



Front View

Fig. 301



Side View

**TEAR-DROP FIXTURE — Fig. 301**

Chromium Plated—Double Contact Socket—Turn Switch

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	1¾	11

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

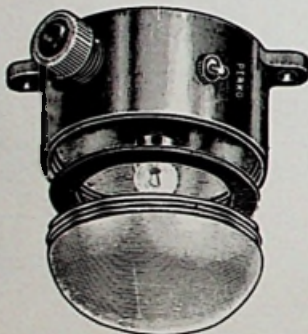


Fig. 1266

**WATERTIGHT DOME LIGHT — Fig. 1266**

Cast Bronze—Double Contact Socket—Diffusing Globe

For small boats. Will accommodate up to a 1¾ 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. Globe Inches	Extreme 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.

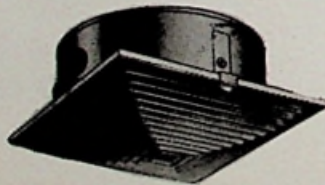


Fig. 170 Round & 171 Square

**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	5¾ diam.	1½	1¼
171	3	18.00	6¾x6¾	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.

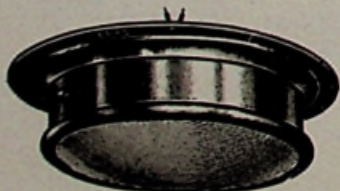


Fig. 753

**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	9⅞	8	3	2

**DOMES LIGHTS**

**NEW FLUSH TYPE DOME LIGHTS — Fig. 308**

Brass — Chromium Plated — No Switch  
With Fig. 257 Glass Double Contact Socket

For installation into the ceiling, providing more headroom and modern lighting.

No.	Diameter Glass Inches	Each	Diameter Overall Inches	Weight Ounces
1	4	\$5.50	4½	7
2	5	6.00	5½	9



Fig. 308

**NEW ECONOMY DOME LIGHTS — Fig. 300**

Brass — Chromium Plated — With Push Switch  
With Fig. 257 Glass — Double Contact Socket

No.	Diameter Glass Inches	Each	Diameter Overall Inches	Depth Overall Inches	Weight Ounces
1	4	\$6.50	5½	1½	9
2	5	7.20	6½	2	11



Fig. 300

**DOMES LIGHT — Fig. 383**

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

No.	Diameter Glass Inches	Chromium Plated Each	Diameter Base Inches	Depth Overall Inches	Weight Ounces
1	3	\$6.75	4½	1½	6
2	4	7.50	5½	1¾	9
3	5	8.00	6¾	2	13



Fig. 300

Fig. 383

**DOMES LIGHT — Fig. 294 and 296**

Wrought Brass — Toggle Switch — Double Contact Socket

With Fig. 257 Diffusing Glass or Fig. 132 Frosted Glass

No.	Diam. Glass Inches	Chromium Plated Each	Diam. Base Inches	Depth Overall Inches	Weight Ounces
1	3	\$ 8.75	4¼	2	6
2	4	10.00	5½	2¼	9
3	5	11.00	6½	2½	15
4	6	13.25	7½	2¾	20



Fig. 294 Diffusing  
Fig. 296 Frosted

**DOMES 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
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Bulb with medium screw base for this light, see Fig. 340.  
Spare globes, see Fig. 133.

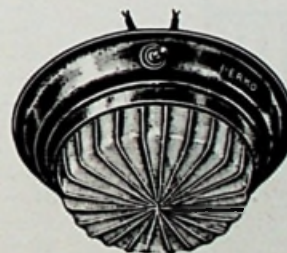


Fig. 385

**DOMES 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	1½
2	25.00	6	7¾	3¾	3¾



Fig. 555

ALL ILLUSTRATIONS

SHOW ACTUAL SIZE OF BASE



Fig. 337 Bayonet Double Contact (D. C.)



Fig. 56 Miniature Bayonet



Fig. 53 Miniature Screw

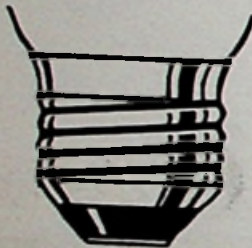


Fig. 340 Medium Screw



Fig. 57 Candelabra Screw



Fig. 532 Mogul

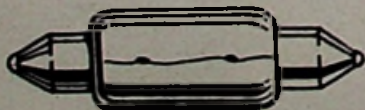


Fig. 70 Cartridge Type

ELECTRIC LIGHTING LAMPS

FIG. 337 BAYONET D.C. BASE

No.	Volts	Candle Power	Amps.	Watts.	Diameter Bulb Inches	Clear Each	Frosted Each
1—	2-7		.15		1	\$2.40	
2—	2-9		.15		1	2.40	
3—	6-8	3			3/4	.23	
4—	6-8	6			3/4	.23	
5—	6-8	15			1	.35	
6—	6-8	21			1	.38	
7—	* 6-8	32			1-3/8	.50	
8—	* 6-8	50			1-3/8	.60	
9—	* 6-8	100			2-1/16	2.10	
10—	12-16	4			3/4	.20	
11—	12-16	6			3/4	.23	
12—	12-16	15			1	.35	
13—	12-16	21			1	.38	
14—	*12-16	32			1-3/8	.60	
15—	*12-16	50			1-3/8	.85	
16—	*12-16	100			2-1/16	2.10	
17—	32	3			3/4	.62	
18—	32	6			1	.70	
19—	32	15			1	.82	
20—	*32	50			1-3/8	1.60	
21—	*32	150	3.5		2-1/16	2.25	
22—	120			6	3/4	.70	
23—	120			10	7/8	.65	

Packed 10 Lamps to a box

FIG. 53 MINIATURE SCREW BASE

1—	1.35	.06		3/8	.42
2—	6	.04		9/16	.35

FIG. 56 MINIATURE BAYONET BASE

1—	1.3	.1		7/16	.32
2—	6	1.5		9/16	.18
3—	12	2		9/16	.18

FIG. 57 CANDELABRA SCREW BASE

1—	120		15	7/8	.90
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FIG. 340 MEDIUM SCREW BASE

1—	6			15	2-1/8	1.35	1.15
2—	6			25	2-3/8		1.05
3—	6			50	2-5/8		1.15
4—	* 6-8	18		108	3-1/8	8.75	
5—	12			15	2-1/8	1.35	1.15
6—	12			25	2-3/8		1.05
7—	12			50	2-5/8		1.15
8—	*12-18	18		216	3-1/8	9.75	
9—	*24			150	3-1/8	10.50	
10—	32			15	1-3/8	1.60	
11—	32			15	2-1/8	1.10	.91
12—	32			25	2-3/8		.7
13—	32			50	2-5/8		.7
14—	*32	8		256	3-1/8	10.50	
15—	120			15	1-3/8	.80	
16—	120			25	1-1/4	.75	
17—	120			50	2-3/8	.65	
18—	120			60	2-3/8	.65	
19—	120			100	2-3/8	.65	
20—	*120			500	2-1/2	15.75	

FIG. 532 MOGUL SCREW BASE

1—	120	Double Filament	50-50	3-1/8	8.50
2—	120	Double Filament	100-100	3-1/8	8.50
3—	*120	Single Filament	1000	2-1/8	15.75

FIG. 70 CARTRIDGE TYPE BASE

1—	12	15	1.17	17/32 x 1-3/4	.50
----	----	----	------	---------------	-----

\*High Power Lamps with concentrated filament, used in searchlight

**BLACK BAKELITE SWITCH PANEL— Fig. 517**  
**Engraved White Lettering—Chromium Plated Brass**  
**Switches—Improved 5 Gang Panel—With Fuse Holders**

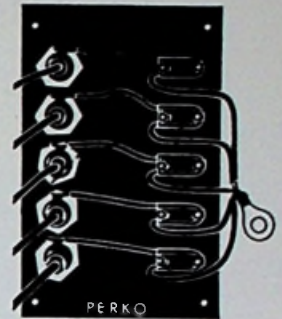
Our stock panel is illustrated. Dealer or user may change name plates as desired as they are removable. For additional selection see Fig. 519. For changes made at factory, add \$1.00 per panel.

Each	Size Inches	Weight Ounces
\$16.50	6½x4¼	10

Spare Switches, See Fig. 745 No. 2  
 Spare Fuse Holders, \$.80 each.



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	Sbd. 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

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.



Fig. 519

**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.

Minimum quantity, 25 panels, order must be accompanied by sketch.



Fig. 516



Fig. 518



Fig. 514

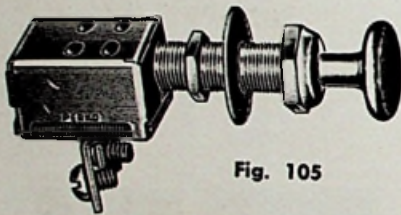


Fig. 105

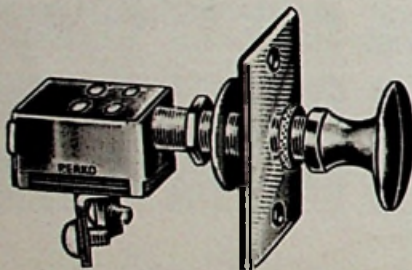


Fig. 216

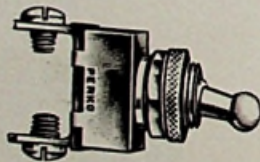


Fig. 688



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 No. 2

Starter Switches, see Fig. 255, all Brass.



**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	¾	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
2	\$.80	¾	¾	¾	¾

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.

Each	Diameter Neck Inches	For Wood Thickness Inches	Weight Ounces
\$1.50	$\frac{3}{8}$	1	2 $\frac{1}{2}$

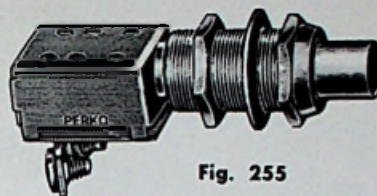


Fig. 255

**IGNITION LOCK SWITCH — Fig. 316**  
Brass—Face Plate Chromium Plated—2 Terminal  
2 Keys—30 Amp.

No.	Each	Diameter Neck Inches	Length Neck Inches	Weight Ounces
1	\$2.15	$\frac{3}{4}$	$\frac{3}{4}$	4
2	2.85	$1\frac{1}{16}$	$1\frac{1}{16}$	4 $\frac{1}{2}$

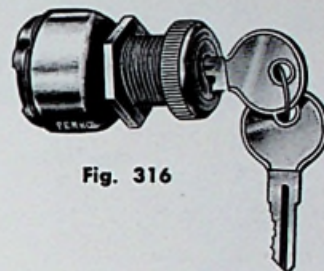


Fig. 316

**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	$\frac{3}{4}$	$1\frac{1}{16}$	4 $\frac{1}{2}$

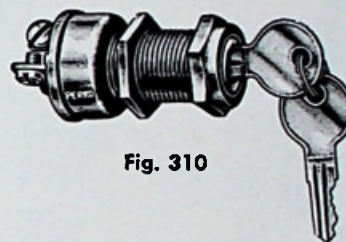


Fig. 310

**3-POSITION PUSH-PULL SWITCH — Fig. 381**  
All Brass—3 Terminal— $\frac{3}{4}$  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	$\frac{3}{8}$	1	3 $\frac{1}{2}$	3

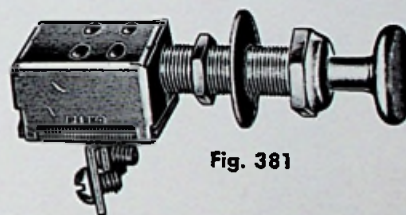


Fig. 381

**NEW 3 POSITION — 2 CIRCUIT PUSH-PULL SWITCH — Fig. 321**

All Brass—3 Terminal—Off-On-On

First "On" Position Energizes One Circuit.  
Second "On" Position Energizes Other Circuit.  
Ideal for Anchor Light on separate circuit from Running Lights, all on one switch.

Each	Diam. Neck Inches	Diam. Knob Inches	For Wood Thickness Inches	Weight Ounces
\$1.80	$\frac{3}{8}$	$\frac{3}{4}$	1	3 $\frac{3}{4}$

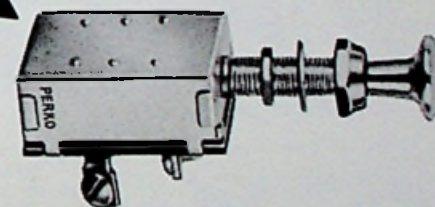


Fig. 321

**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	4 $\frac{3}{4}$	1 $\frac{3}{8}$	5

If offset mounting is required, permitting cable to pass in back of housing, we supply a set of offset legs  $\frac{1}{2}$  inch long. Per set \$.50.



Fig. 85

**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.



Fig. 191

**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

**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. 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 Fig. 970 Pounds
\$21.00	\$19.25	\$5.50	3 1/2	2 3/4	1 3/4

**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

**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 3/8	1 3/4

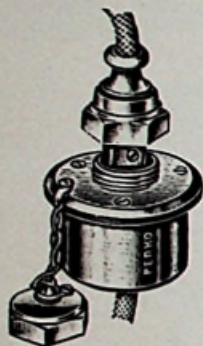


Fig. 969



Fig. 968

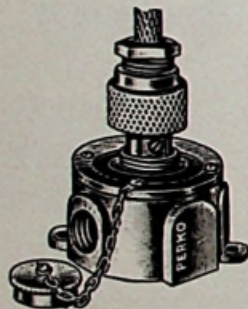


Fig. 971  
Surface Type

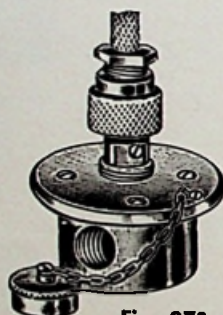


Fig. 970  
Flush Type

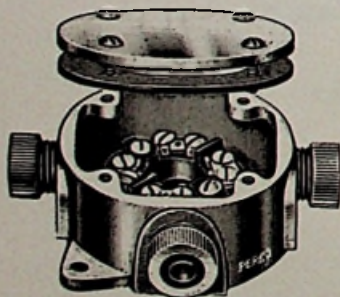


Fig. 1252

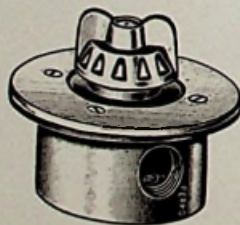


Fig. 974

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

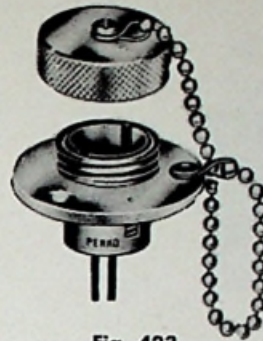


Fig. 423

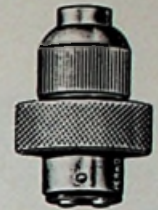


Fig. 425

**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

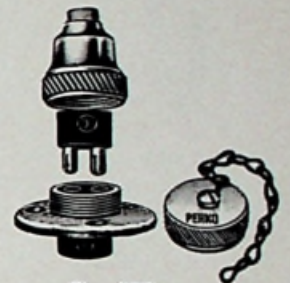


Fig. 477

**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



Fig. 424

**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	2⅞	⅝	¾

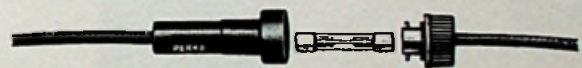


Fig. 786

**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	2⅞	13

Price includes bulb, no batteries.

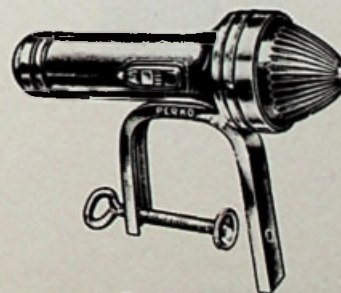


Fig. 143

**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
\$2.15	2½	1-11/16x1-3/16	1¾

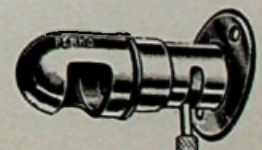


Fig. 184



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	\$1.65	$2\frac{3}{16} \times 2\frac{3}{8} \times \frac{5}{32}$	2
4	2.30	$3 \times 2\frac{3}{8} \times \frac{5}{32}$	$2\frac{1}{4}$
5	2.75	$3\frac{3}{4} \times 2\frac{3}{8} \times \frac{5}{32}$	$2\frac{1}{2}$
6	3.35	$4\frac{3}{8} \times 2\frac{3}{8} \times \frac{5}{32}$	$2\frac{3}{4}$

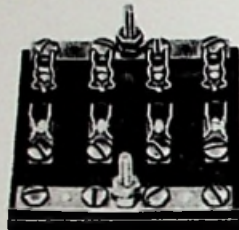


Fig. 647

**COMBINATION FUSE AND TERMINAL BLOCK — Fig. 647****With Heavy Duty Binding Posts—Black Fibre Base—Brass Parts—For 20 Amp Glass Fuses**

Number Of Gangs	Each	Dimensions Inches	Weight Ounces
4	\$ 6.30	$3 \times 3\frac{3}{16} \times \frac{3}{16}$	$3\frac{1}{2}$
6	8.65	$4\frac{1}{2} \times 3\frac{3}{16} \times \frac{3}{16}$	5
8	11.00	$6 \times 3\frac{3}{16} \times \frac{3}{16}$	7
12	15.75	$9 \times 3\frac{3}{16} \times \frac{3}{16}$	11



Fig. 629

**FUSE PANELS — Fig. 629****With Single Buss Bar—Black Fibre Base—Brass Parts—For 20 Amp. Glass Fuses**

Number Of Gangs	Each	Dimensions Inches	Weight Ounces
4	\$2.70	$3 \times 2\frac{3}{8} \times \frac{5}{32}$	2
6	4.15	$4\frac{1}{2} \times 2\frac{3}{8} \times \frac{5}{32}$	3
8	5.50	$6 \times 2\frac{3}{8} \times \frac{5}{32}$	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
\$ .90	$2\frac{3}{8} \times 1\frac{1}{2} \times \frac{3}{16}$	$1\frac{1}{4}$	$1\frac{1}{2}$



Fig. 627

**TERMINAL BLOCKS — Fig. 627**  
**Black Fibre Base—Brass Parts**

Number Of Gangs	Each	Dimensions Inches	Weight Ounces
2	\$1.00	$1\frac{1}{2} \times 2 \times \frac{5}{32}$	$1\frac{3}{4}$
4	1.95	$3 \times 2 \times \frac{5}{32}$	2
6	2.95	$4\frac{1}{2} \times 2 \times \frac{5}{32}$	$2\frac{1}{4}$

Supplied in even number of gangs only.

**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
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

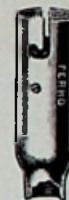


Fig. 276

**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 1/4	2x1 1/4	1 1/2



Fig. 222



Fig. 346

**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 1/4	1 3/8	1
2	.70	3/8	1 3/8	1 3/8	1

**BAYONET DOUBLE CONTACT SOCKETS — Fig. 747**

Brass Case—Hard Rubber Insulation

No.	Each	Length Inches	Weight Dozen Ounces
1	\$.70	7/8	5
2	.70	1 1/8	6
7	1.00	2	9

Outside diameter, all sizes, 1 1/16 inches. Nos. 1 and 7, wires enter side, screws in bottom. No. 2, wires enter bottom, screws in side.

Note — No. 1 used in lights Figs. 563, 1138.  
No. 7 used in class 3 side and bow lights.  
Single contact available, price on application.



Fig. 747

**BAYONET DOUBLE CONTACT SOCKET WITH PIGTAILS — Fig. 52**

Brass Case—Bronze Spring

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	7/8	1/2

This socket used with the following items:  
Figs. 294-296-329-348-355-362-371-375-383-385, #7-404-422, #1, #2-423-428-491-521-555, #1-600-1282-1283.  
Also all International Lights such as Figs. 962 series-910-A series and 1278 series.



Fig. 52

**NAVY STANDARD ELECTRIC SOCKETS — Fig. 15**

Phenolic Insulation—Bronze Parts

Complies with Navy drawing 9-S-2036-L.



Candelabra Screw  
Fig. 15

Each	Height Inches	Size Base Inches	Weight Dozen Ounces
\$1.50	1 1/4	1 x 1 1/2	12

**BAYONET SOCKETS — Fig. 472**

Phenolic—Single and Double Contact



Fig. 472

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.



Fig. 270

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".



Fig. 196

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.



Fig. 121

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.



Fig. 163  
Single



Fig. 164  
Double



Fig. 165  
Triple

For O.D. Line Inches	FIG. 163 Per 100	FIG. 164 Per 100	FIG. 165 Per 100	Width Inches
3/16	\$ 9.75	\$16.25		3/8
1/4	8.50	14.65		3/8
5/16	8.75	14.50	\$20.00	1/2
3/8	8.75	14.80	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.

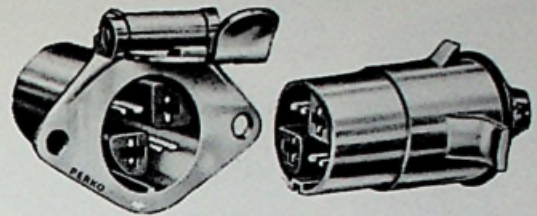


Fig. 739

Each	Length Overall Inches	Width Flange Inches	Weight Ounces
\$2.70	3 3/4	2 1/8	4 1/2

**4-PRONG CONNECTOR — Fig. 751**

**Bakelite Body—Soft Rubber Caps—Screw Terminals—Fixed Polarity—All Brass**

Excellent for boat trailer electrical hookups.

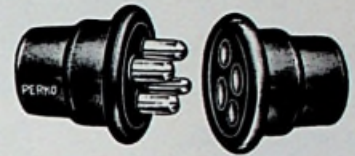


Fig. 751

Each	Length Overall Inches	Diameter Overall Inches
\$1.50	2	1 1/8

**DOUBLE CONTACT CONNECTOR — Fig. 749**

**Hard Rubber Insulation—Brass Contacts  
Soft Rubber Waterproof Caps**

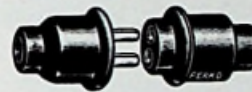


Fig. 749

Each	Size Inches	Weight Dozen Ounces
\$ .75	1 5/16 x 2 1/2	10

**MIDGET CONNECTOR — Fig. 26**

**Bakelite Body—Brass Contacts**

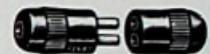


Fig. 26

Each	Size Inches	Weight Dozen Ounces
\$1.35	3/8 x 1 1/8	6

Designed for use in limited space. Split pins insure a firm positive connection.

**DOUBLE CONTACT CONNECTOR — Fig. 42**

**Hard Rubber Insulation—Brass Contacts**

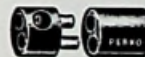


Fig. 42

Each	Size Inches	Weight Dozen Ounces
\$ .75	1 x 3/4	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	1 1/2	1 5/16	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.

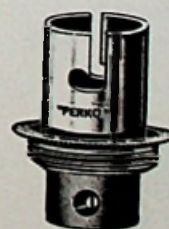


Fig. 355

Each	Length Overall Inches	Diam. Thread Inches	Weight Dozen Ounces
\$1.20	1 1/4	7/8	8



Fig. 1122  
Ship Receptacle



Fig. 1123  
Ship to Shore  
Connector Body



Fig. 1124  
Shore Plug to  
Dock Receptacle

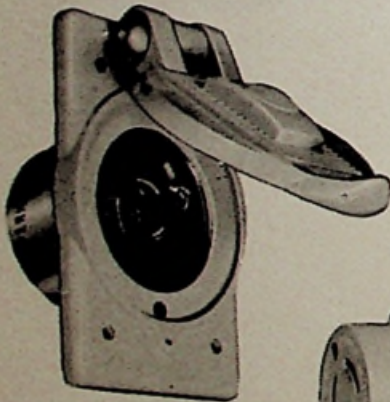


Fig. 1128  
Ship Receptacle

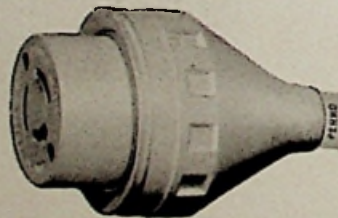


Fig. 1129  
Ship to Shore  
Connector Body

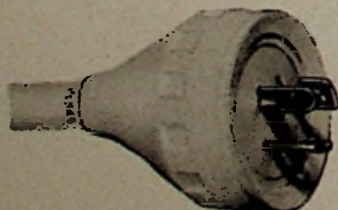


Fig. 1130  
Shore Plug to  
Dock Receptacle

### 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



**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 \$2.25**



**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 1/4	5

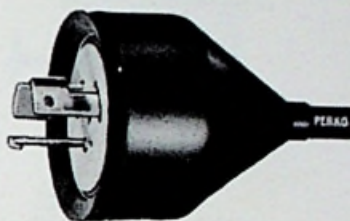
Plug complete with female interior, each \$2.00  
Spare female plug interior only, each \$.90.

\* May also be used with 250 Volts.

**Fig. 1125**  
Ship Receptacle



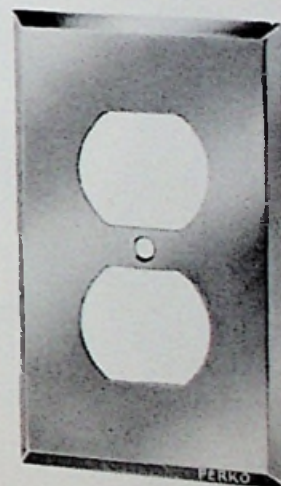
**Fig. 1126**  
Ship to Shore  
Connector Body



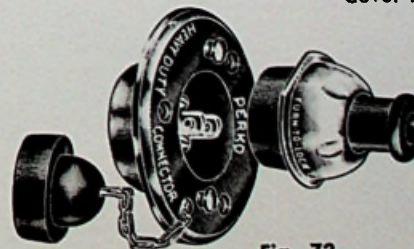
**Fig. 1127**  
Shore Plug to  
Dock Receptacle



**Fig. 1131**  
Duplex Wall  
Receptacle



**Fig. 1132**  
Cover Plate



**Fig. 72**



Fig. 242

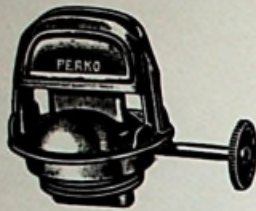


Fig. 246



Fig. 302

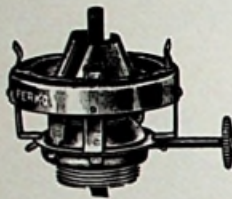


Fig. 245



Fig. 272



Fig. 262



Fig. 267



Fig. 230



Fig. 231



Fig. 264



Fig. 94



Fig. 173

**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	7/8
2-A	34.75	1 1/4	7/8



**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, 3/8 inch wide	.96
Flat Wicks, No. 2, 1/4 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 3/4	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
\$4.00	\$7.50	\$6.00	\$6.00



**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 1/8
2-A	16.50	6	2 1/8



**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	7/8



**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	\$ 7.00	\$12.00	3 3/8	3 3/8	6 3/8
8	10.00	16.00	4	4	7 1/2
10	14.00	22.00	5 3/8	5 3/8	10 1/8



**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

**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	2¾	2
733 Oil and Electric	5.00	3½	2¾	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

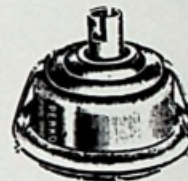


Fig. 291  
Electric Double Contact



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

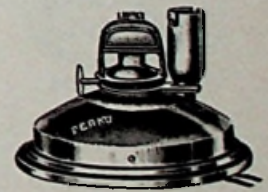


Fig. 735  
Oil and Electric Double Contact

**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 $\frac{3}{4}$

ABOVE ARE FOR THE FOLLOWING LIGHTS



Fig. 288  
Electric  
2 Wire  
Medium Screw

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 $\frac{3}{8}$	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 $\frac{3}{8}$	1 $\frac{1}{8}$	2



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

FRESNEL GLOBES

FOR POLE, MAST AND STERN LIGHTS

FIG.	Clear Each	Red Each	Green Each	Blue Each	Amber Each
604	\$1.50	\$2.00	\$2.00	\$2.00	
247	1.50				
248-P	1.00				
249	3.00				
250	2.25	2.75	2.75		
251	2.25	2.75	2.75	2.50	\$2.50
281-P	.95				

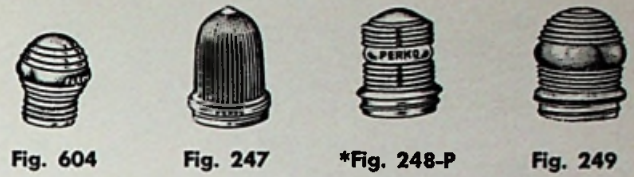


FIG.	Outside Diam. Inches	Height Overall Inches	Diam. Opening Inches	Diam. Thread Inches	Weight Ounces Each
604	1½	1¾	¼	1¼	1¾
247	1¾	2¾	1½	2	3
248-P	1¾	2½	1¼	2	1½
249	3	3¾	2¼	2¼	10
250	2½	2¾	1½	2	6
251	3	3	1½	2	7
281-P	2¾	1¾	1¼		1



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.

Fig. 604 HIGH INTENSITY for Light Figs. 404, 600, 609.

\*Globes are high grade acrylic plastic.

Dome Light GLASSES

RIBBED DIFFUSING TYPE Fig. 257  
For Dome Lights, Figs. 294, 300, 308, 383 and 555

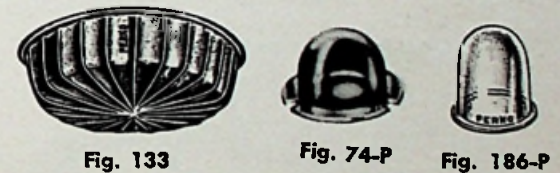
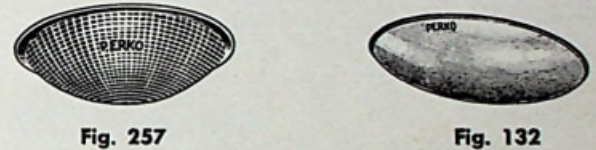
FROSTED TYPE Fig. 132  
For Dome Lights, Figs. 296, 753.

Trade Size Inches	Each	Diam. Overall Inches	Depth Inches
3	\$1.50	2¾	¾
4	2.00	4	¾
5	2.20	5	1¼
6	2.50	6	1½

Trade Size Inches	Each	Diam. Overall Inches	Depth Inches
3	\$1.50	2¾	¾
4	2.00	4	¾
5	2.20	5	¾
6	2.50	6	¾
8	3.25	7¾	¾

RIBBED OPAL TYPE Fig. 133  
For Dome Light Fig. 385.

Outside Diam. Inches	Each	Extreme Depth Inches
4¼	\$3.00	1¼
5¾	3.50	1¾



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	1¾	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	2¼	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	\$2.65	\$3.50
106	3.60	4.95

Colors are red, green, blue, amber.

FIG.	Outside Diam. Inches	Height Overall Inches	Diam. Opening Inches	Diam. Thread Inches	Weight Pounds
77	2¾	5½	1¼	2¾	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

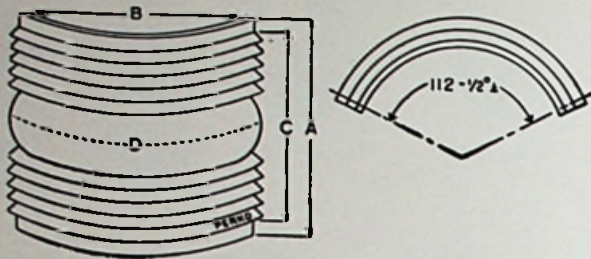


Fig. 259

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Red or Green Each	Amber Each
Class A-L.J.	1⅞	1⅞	1⅞	1¾		\$1.30	
Class A Std.	2⅞	1⅞	2⅞	3		1.90	
*Class A-P	2½	2	2	2⅞		1.20	
Class A Rocket	1⅞	2⅞	1⅞	3		1.50	
Class 1	3⅞	2⅞	2⅞	3⅞		2.80	\$2.90
Class 2	4¼	3⅞	3⅞	4¾	\$3.45	3.65	
Class 3	5⅞	3⅞	4¾	5⅞		4.75	

For Vessels Over 65 ft.	A In.	B In.	C In.	D In.	Clear Each	Colored Each
No. 8	5½	4⅞	4⅞	5⅞		\$8.00
No. 0 or 9	5½	5¾	5	8⅞	10.50	11.50
No. 1 or 10	6¾	6	6	8¾		15.00
No. 2 or 11	7½	8½	6⅞	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

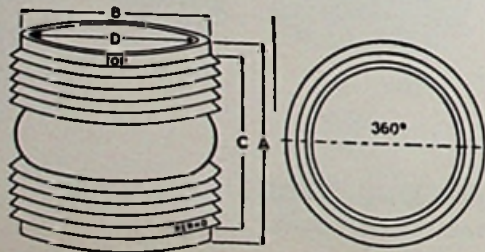


Fig. 261

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Junior	3⅞	3⅞	2⅞	2⅞	\$2.75	\$3.50
Senior	4¼	4	3⅞	3⅞	3.35	5.00

For Vessels Over 65 Ft.	A In.	B In.	C In.	D In.	Clear Each	Colored Each
No. 0 or 22	5½	5½	5	4¾	11.50	18.00
No. 1 or 22½	6¾	5¼	6⅞	4½	15.50	23.00
No. 1½	6¾	6	6	5⅞	15.50	18.00
No. 2 or 23	7⅞	7⅞	6⅞	6⅞	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

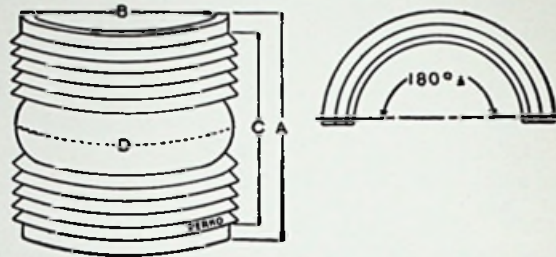


Fig. 260

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Class 1	3⅞	2¾	2⅞	5⅞	\$3.50	\$5.80
Class 2	4¼	3¼	3¾	6¾	3.65	5.95
Class 3	5⅞	3¾	4¾	7⅞	4.75	7.25
Mld. 59	7¾	6¾	6¾	12¾	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

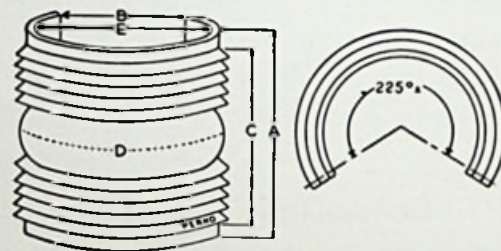


Fig. 256

	A In.	B In.	C In.	D In.	E In.	Clear Each	Colored Each
Int'l	4¼	4	3⅞	8¾	3¼	\$4.00	
No. 0	5½	4	5	12¼	4¾	12.50	\$23.60
No. 1	6¾	4	6	12½	4½	16.00	27.00
No. 2	7½	5⅞	6¾	16¾	6½	20.00	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

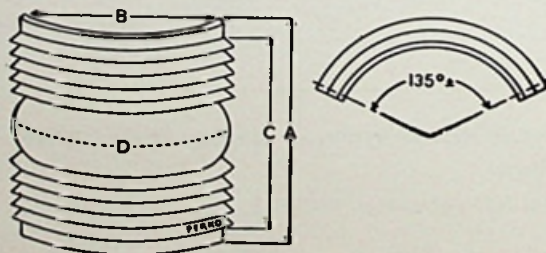


Fig. 269

	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Int'l	4¼	3½	3¾	4¾	\$3.45	\$ 7.00*
No. 0	5½	4¾	4¾	7½	10.50	13.25
No. 1	6¾	4¾	6¾	7½	12.50	14.25
No. 2	7½	6¾	6¾	10	14.50	23.00
No. 3	8½	7¾	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

**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.

Each	Extreme Length Inches	Diam. Compass Card Inches
\$3.80	2 1/2	6 3/8

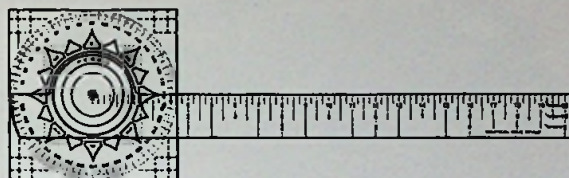


Fig. 706

**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.

Length Closed Inches	Each	Width Closed Inches	Thickness Inches	Weight Ounces
12	\$9.00	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	1/2	8 1/2

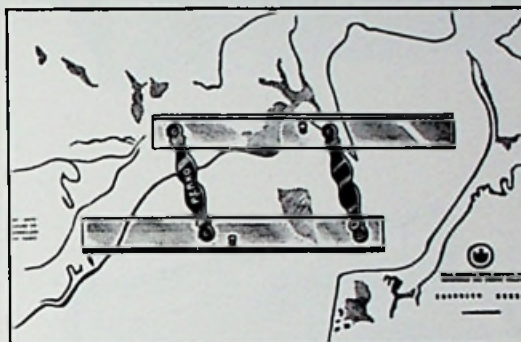


Fig. 630

**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	\$1.35
2 Length, 7 inches	5.15

No. 2 size has straightening device and reversible points.



Fig. 693

**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

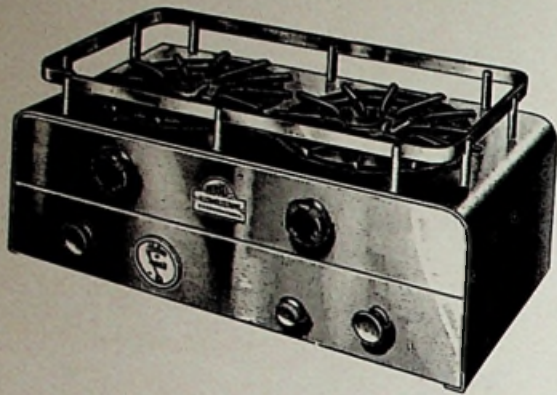


Fig. 364

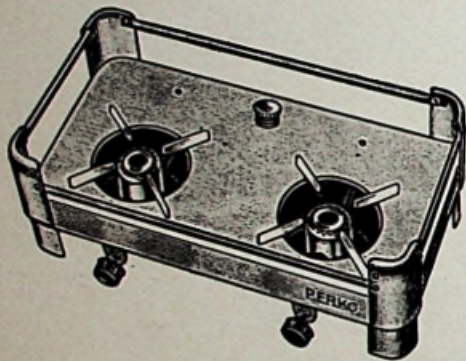


Fig. 376

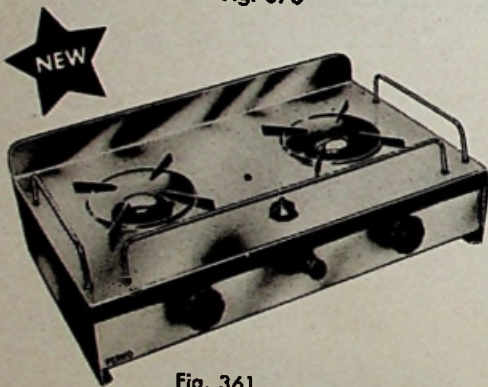


Fig. 361

**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.

**"GALLEY SLAVE" GRAVITY ALCOHOL STOVE — Fig. 376**

White Vitreous Enamelled 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 ign ability.

Each	Length Overall Inches	Width Overall Inches	Height Overall Inches	Weight Pounds
\$29.50	19 1/2	11	6 1/2	6 1/2

**"GALLEY SLAVE" PRESSURE ALCOHOL STOVE—Fig. 361**

Polished Stainless Steel Body—Brass Guard Rails—Brass Burners—Brass Fuel Tank and Pump

Each	Length Overall Inches	Width Overall Inches	Height Overall Inches	Weight Pounds
\$47.50	19 1/2	11 1/4	5 3/4	7 1/2

**ALCOHOL STOVE PARTS — Fig. 368**

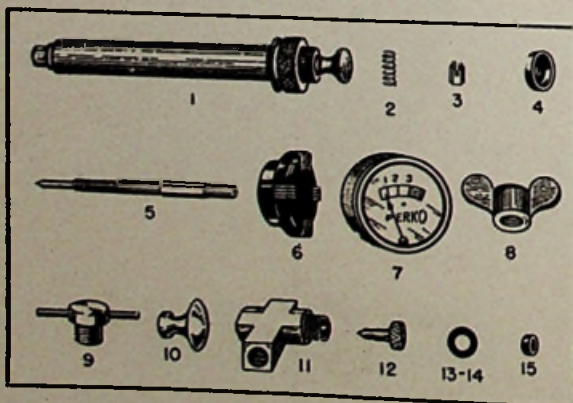


Fig. 368

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.

Complete Each	Extreme Length Inches	Extreme Width Inches	Extreme Height Inches	Weight Pounds
\$86.00	20 3/4	12	8 1/2	25

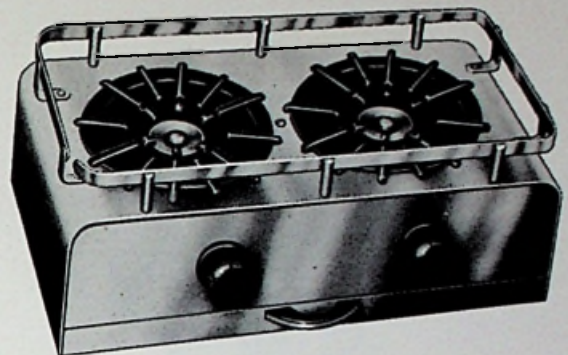


Fig. 373

**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.	1/4 Inch Copper 10 foot Vent Line with One Fitting	4.50
6.	1/2 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

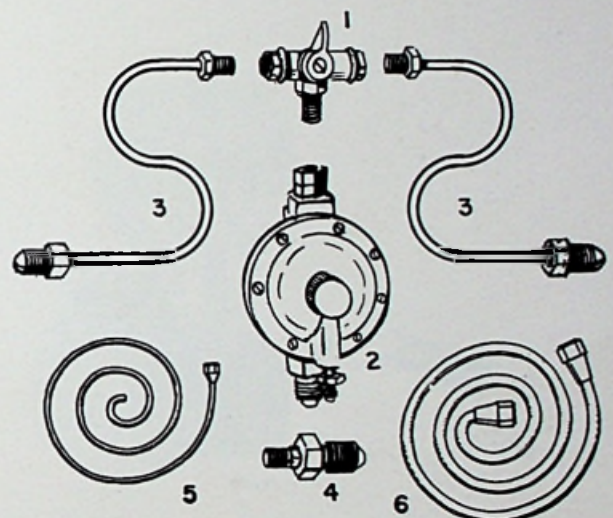


Fig. 374

**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	10 1/2	8

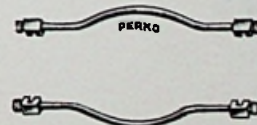


Fig. 369

**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	3/4	2



Fig. 365

**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



Fig. 367

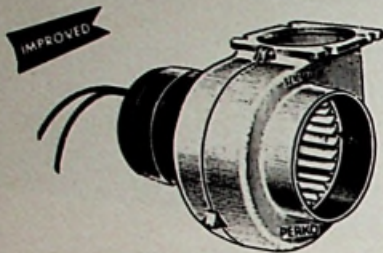


Fig. 778

### IMPROVED MARINE EXHAUST BLOWERS— Fig. 778 White Delrin Impeller — Heavier Duty Motor — Quiet Operation

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, White Enameled Over Zinc Chromate

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	6½x6x5	*426	3 x3
2	4	3¾	7 x8x7	*585	4¾x4¾

No.	6 Volts Each	12 Volts Each	32 Volts Each	Weight Pounds
1	\$10.00	\$17.50	\$17.50	3½
2	34.00	34.00	34.00	6½

\*C.F.M. Test Figures 36" From Blower.

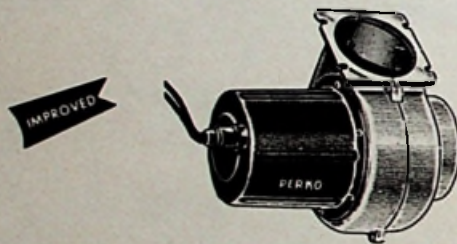


Fig. 791

### IMPROVED EXHAUST BLOWERS FOR BILGE INSTALLATION — Fig. 791

Fully Enclosed Motor—White Delrin Impeller—Heavier Duty Motor—Quiet Operation

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, White Enameled Over Zinc Chromate.

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	7½x6x5	*426	3 x3
2	4	3¾	8 x8x7	*585	4¾x4¾

No.	6 Volts Each	12 Volts Each	32 Volts Each	Weight Pounds
1	\$14.50	\$22.00	\$22.00	3¾
2	39.00	39.00	39.00	6¾

\*C.F.M. Test Figures 36" From Blower.



Fig. 193

### NEW BLOWER AND IGNITION SWITCH — Fig. 193 Red Plastic Housing—Vapor Proof—Multiple Pole

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.

Each	Diameter Inches	Depth Inches	Weight Ounces
\$12.50	4¾	1½	5

**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
4	11.00	4¾	9¼	6¼
5	13.50	5¾	10½	9
6	18.50	6¾	11¼	11¼



Fig. 430

★  
**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	1¾	2½x2½	½

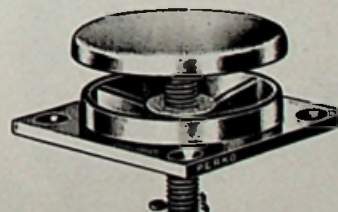


Fig. 783

**COWL VENTILATORS — Fig. 510**  
**Round Mouth — With Threaded Deck Plate —**  
**Sheet Steel or Sheet Brass — Cast Bronze Deck Plate**



Fig. 510

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	1¼
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



**COWL VENTILATORS — Fig. 513**  
**With Swivel Deck Plate — Sheet Steel Or Sheet Brass**  
**Cast Bronze Deck Plate**



Fig. 513

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

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**



Fig. 583

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



**OVAL MOUTH COWL VENTILATORS — Fig. 570 & 571**  
**Cast Bronze**

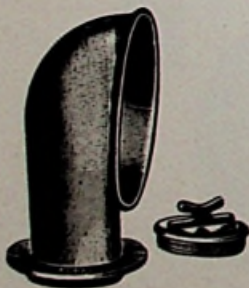


Fig. 570  
Screw Type

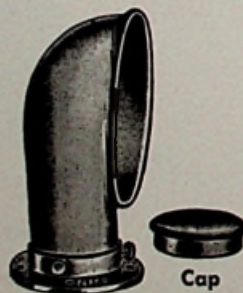


Fig. 571  
Swivel Type

No.	Deck Plate Size Inches	Size Mouth Inches	Height Above Deck		Weight Pounds
			Fig. 570 Inches	Fig. 571 Inches	
1	3	6¼x4	8⅛	9⅞	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

Above prices do not include cap for deck plate when cowl is removed. Add \$3.50 each.

Spare Deck Plates for Figs. 510 & 513, see Figs. 419 and 527. For Figs. 570 & 583, see Fig. 526.

**NEW OVAL MOUTH COWL VENTILATOR—Fig. 573**  
 With Integral Flange—Non-Removable—Cast Bronze

Polished Bronze Each	Chromium Plated Each	Inside Diam. Bottom Inches	Size Mouth Inches	Diam. Flange Inches	Height Overall Inches	Weight Pounds
\$37.00	\$39.50	3 $\frac{1}{2}$	6 $\frac{1}{2}$ x4 $\frac{1}{4}$	5 $\frac{1}{2}$	10	7 $\frac{1}{4}$



Fig. 573

**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	9 $\frac{1}{4}$	4 $\frac{1}{2}$	4x1 $\frac{3}{4}$	2 $\frac{3}{4}$



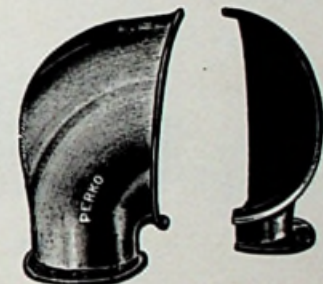
Starboard Side

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 Diameter at Base Inches	Measurements Inside at Mouth Inches	Height Overall Inches	For Screw No.	Weight Per Pair Pounds
1	\$15.50	2 $\frac{1}{2}$	2 $\frac{3}{8}$ x 5	6 $\frac{3}{4}$	8	3 $\frac{3}{4}$
2	25.00	3 $\frac{1}{2}$	3 $\frac{1}{8}$ x 7 $\frac{1}{2}$	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	3 $\frac{1}{2}$	8	4 $\frac{1}{4}$

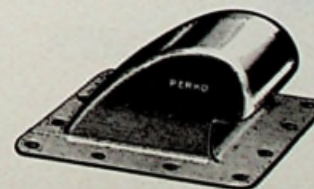
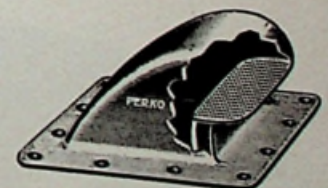


Fig. 908



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

**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. 338

**NEW FIBRE GLASS VENTILATORS — FIG. 338**

Lustrous White Outside Finish

No.	Each	Length Overall Inches	Width Overall Inches	Weight Ounces
1	\$5.50	6 $\frac{3}{4}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$
2	7.25	7 $\frac{1}{2}$	7 $\frac{1}{2}$	4 $\frac{1}{2}$



Fig. 931

**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
\$11.25	8 $\frac{3}{4}$	5 $\frac{1}{2}$	5 $\frac{1}{4}$ x 1	2 $\frac{1}{2}$

**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

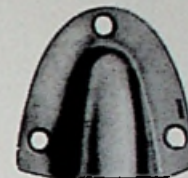


Fig. 315



**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 5/8 x 4 3/4	7	12



Fig. 324



**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
\$7.50	3 x 1	7 1/2 x 4	1 1/2



Fig. 549

**AUTOMATIC BOAT BAILERS — Fig. 410**

Brass Tubing — Cast Bronze Fittings — With Polyethylene Ball Check — For Runabouts

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.

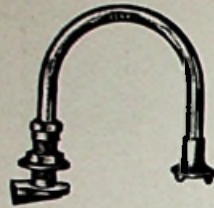


Fig. 410

Each	Height Inside Hull Inches	Diam. Tubing Inches	For Hull Thickness Inches	Weight Pounds
\$9.00	7	3/4	up to 1 3/8	1 1/2

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 3/4	1 1/2



**TRANSOM DRAIN PLUGS — Fig. 414**

For Outboard Boats — Plain Brass

To tighten 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.

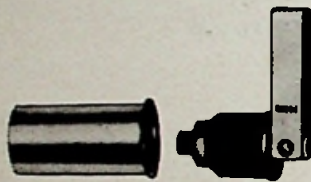


Fig. 414

Complete Each	Diam. Tube Inches	Length Overall Inches	Length Tube Inches	Weight Ounces
\$1.60	1	2 1/2	2	4 1/2

Plug only \$1.25 each. Tube only \$.40 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.

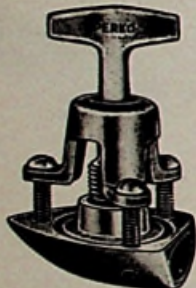


Fig. 386

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.

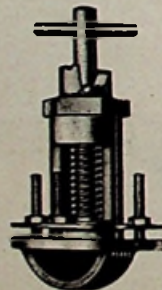


Fig. 387

Brnze 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 1/2	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
\$3.20	3/4	2 3/8	3/8	11

Fig. 363

For plywood, fibreglass or metal hulls.

No.	Each	Pipe Size Inches	Diam. Flange Inches	Length Threaded Neck Inches	Max. Hull Thickness Inches	Weight Ounces
1	\$4.25	3/4	2 3/8	3/16	3/16	13 1/2
2	5.25	3/4	2 3/8	1	1/2	14
3	5.25	3/4	2 3/8	1 1/4	3/4	14 1/2

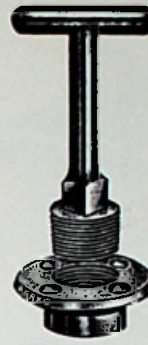


Fig. 263



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 3/4 inches.

Fig.	Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
714	\$1.90	1/2	2	3/8	3
714-A	2.10	1/2	2	3/8	4
737	2.25	1/2	2	3/8	6
737-A	2.50	1/2	2	3/8	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 1/8

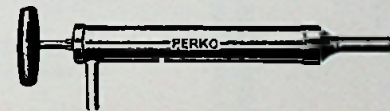


Fig. 335

**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 1/4 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

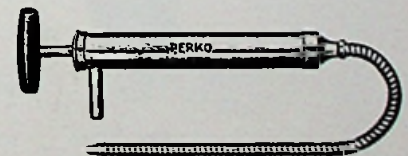


Fig. 336

**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 1/8	2 1/2

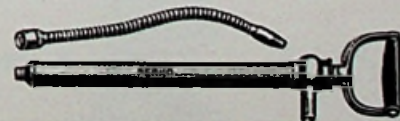


Fig. 146



Fig. 704

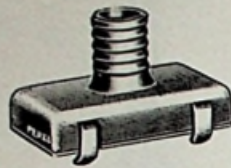


Fig. 705



Fig. 721

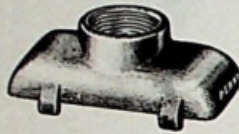


Fig. 722



Fig. 709



Fig. 208



Fig. 209



Fig. 239



Fig. 203



Fig. 204



Fig. 205



Fig. 206



Fig. 456



Fig. 457

**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 3/4



**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



**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 \$1.20
Cast Bronze Strainer	.90



**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	3/4	3	\$ 7.50	1 1/2
2 1/2	7.00	1 1/4	4	11.50	1 3/4



**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.

	Outside Diam. Inches	Each		Outside Diam. Inches	Each
Flange Washer Fig. 203	No. 1 1 1/4	\$ .40	Hollow Ball Fig. 206	No. 1 1/2	\$ .35
	No. 2 1 1/2	.45		No. 2 3/4	.40
Cup Washer Fig. 204	No. 1 1 1/4	.40	Valve Fitting For Plunger Fig. 456	No. 1	\$1.25
	No. 2 1 1/2	.45		No. 2	1.35
Split Washer Fig. 205	No. 1 1 1/4	.11	Packing Nut Fig. 457	No. 1	1.35
	No. 2 1 1/2	.17		No. 2	1.75

NOTE—The above parts are also used in Fig. 146 crank case pump.

**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	18 $\frac{3}{8}$	1 $\frac{1}{4}$	5	3
6	19.80	21	1 $\frac{1}{2}$	10	4

Without hose, deduct \$.50 for each hose.

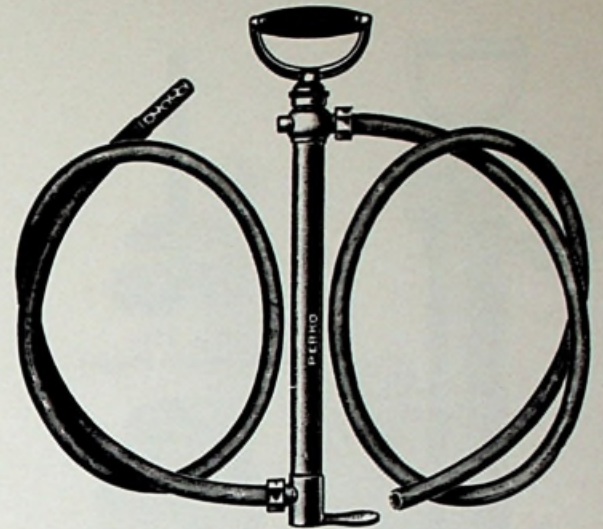


Fig. 202

**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	17 $\frac{3}{8}$	1 $\frac{1}{8}$	5	2 $\frac{1}{4}$
2	16.25	20	1 $\frac{1}{2}$	10	3 $\frac{1}{4}$

Without hose, deduct \$.50 each.

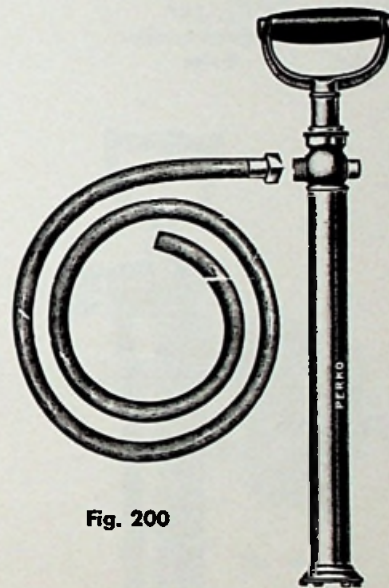


Fig. 200

**BRASS BILGE PUMP — Fig. 723**

**Single Action**

Complete with 5 feet of rubber hose.

Has moulded neoprene rubber plunger producing excellent capacity. Capacity 2 $\frac{1}{2}$  gallons per minute.

With Hose Each	Without Hose Each	Diameter Inches	Extreme Length Inches	Weight Pounds
\$11.80	\$11.30	1 $\frac{1}{8}$	17 $\frac{3}{8}$	2

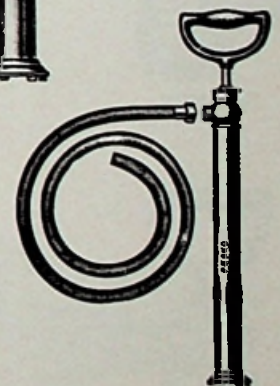


Fig. 723

**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	1 $\frac{1}{2}$	$\frac{3}{8}$	2 $\frac{1}{2}$

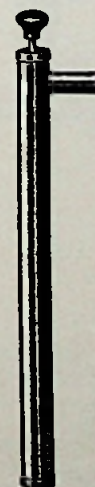


Fig. 152

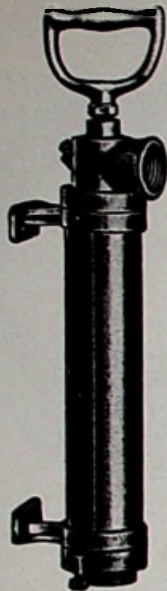


Fig. 1016



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	2¾	1¼	1½	½

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	16¼	2¾	1¼	1½	5½



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	1¼	1½	9½



**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	18¼	2¾	1¼	1½	7¾



Fig. 702

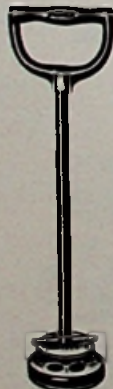


Fig. 108

Fig. 108 — Plunger Assembly Only, Complete

No. 1 for Figs. 702 & 1018 . . . . . \$8.50 Each.  
No. 2 for Figs. 701 & 1016 . . . . . 9.90 Each.

**PERKO WING PUMPS — Fig. 681**

**Double Action — All Bronze — For Marine, Industrial and Domestic Use — Improved Valves Hold Prime**

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.

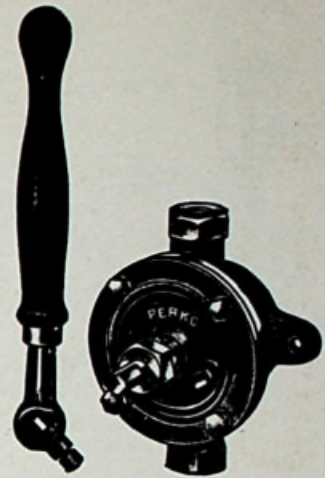


Fig. 681

**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	1/2	5 1/4	5	11 1/2
1	63.00	3/4	5 3/4	7	14
2	69.25	1	6 1/4	9 1/4	19 1/2

Spare handles, complete, \$6.95 each. Wood only, \$1.20 each.



**PERKO BRONZE GEAR TYPE PUMPS**

**Figs. 682 & 684**

**Drop Forged Bronze Bodies — Reversible for Upper or Lower Shaft.**

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.

Pump No.	With Spur Gears Each	Size Pipe Connection Inches	Size Drive Shaft Inches	Approximate Weight Each Pounds
3	\$29.50	3/8	3/8	5 1/2
4	32.50	1/2	1/2	6

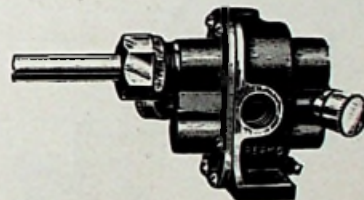


Fig. 682

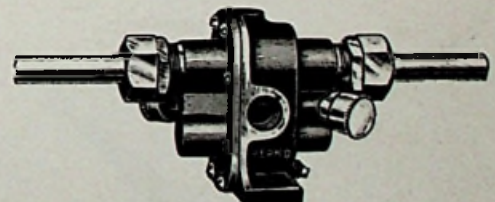


Fig. 683

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.	G.P.M.	H.P.	G.P.M.	H.P.	G.P.M.	H.P.	G.P.M.	H.P.	G.P.M.
3	7.5	1/2	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.

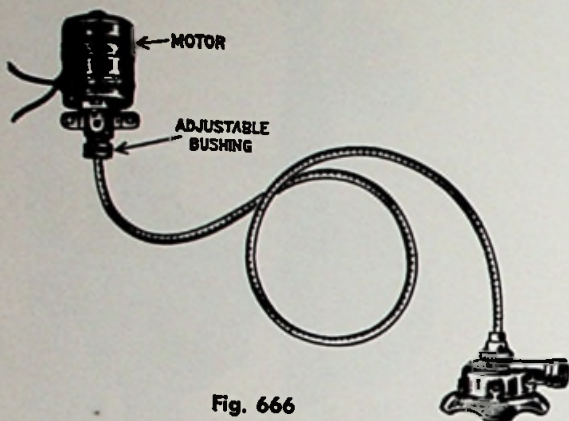


Fig. 666

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.

VOLTAGE — 6, 12 or 32, please specify.

**FIG. 666 WITH DIRECT DRIVE**

	Each	Height Pump Inches	Diameter Base Inches	Weight Pounds
With 3 ft. shaft	\$38.50	4 1/4	4 3/8	7
Motor only	\$14.00			

**FIG. 689 WITH ANGLE DRIVE**

	Each	Height at "A" Inches	Diameter Base Inches	Weight Pounds
With 3 ft. shaft	\$45.50	3 1/8	4 3/8	7 1/2
Motor only	\$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

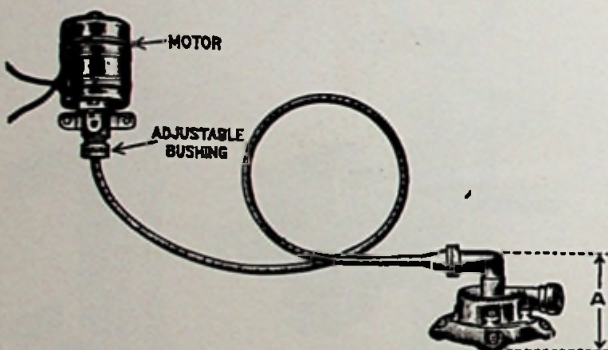


Fig. 689



Fig. 662

**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 1/2 inch pipe tapped 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.

Complete Each	Spare Switch Each	Spare 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 — All Brass Except Motor — Nylon Impeller — Nylon Bearings**

**VOLTAGE — 6, 12 or 32, please specify.**

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.

	Each	Height Overall Inches	Weight Pounds
Complete	\$24.00	8½	2½
Motor only	12.50		

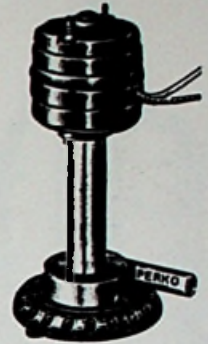


Fig. 780

**BAIT TANK OR WATER SYSTEM PUMP — Fig. 781**

**Electric — All Brass Except Motor — Nylon Impeller — Nylon Bearings**

**VOLTAGE — 6, 12 or 32, please specify.**

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 89. 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.

	Each	Height Overall Inches	Weight Pounds
Complete	\$24.00	8½	2½
Motor only	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

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 1¾	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

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.

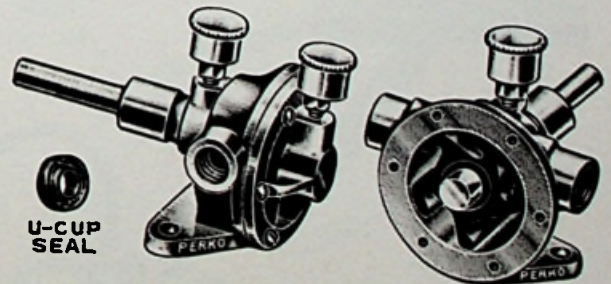


Fig. 696

GALLEY AND LAVATORY PUMPS

Bronze — Chromium Plated



Fig. 467  
Metal Handle



Fig. 473  
Mahogany Handle

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. 144



Fig. 1040

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

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 ⅞
2	18.50	¾	4	3½	2

Repair Kit, each \$1.50.

No. 1 has male thread, No. 2 has female thread.



Fig. 677

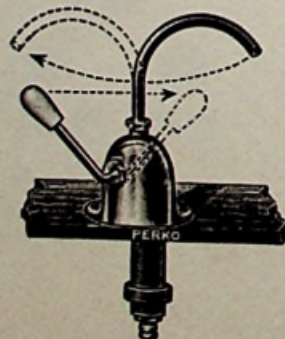


Fig. 177

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 ¾ inch rubber hose or ¾ inch pipe. Capacity 20 strokes per quart.

Each	Extreme Height Above Drain Board Inches	Dimensions Mounting Base Inches	Weight Pounds
\$27.00	8	4x1¾	2¼

Repair Kit, each \$4.15



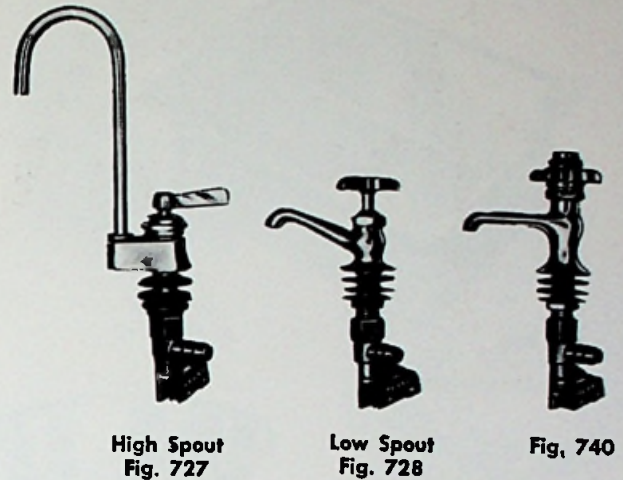
**PERKO ELECTRIC WATER FAUCETS**

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.

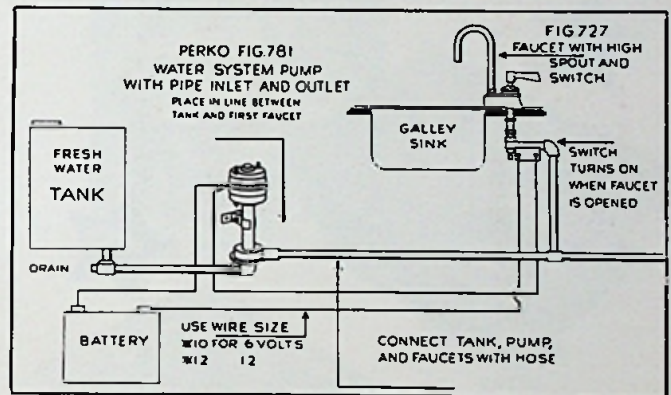
**WITH HAND SWITCH — Figs. 727 & 728**

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 1/4	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 3/4	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.

Each	Pipe Size Inches	Length Inches	Weight Ounces
\$3.50	1/2	1 3/4	3 1/2



Fig. 265

**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 1/8 x 15 3/8
347	2	8.25	13 1/2 x 18 3/8
347	3	8.50	13 3/8 x 21 3/8
181	6	9.85	12 3/4



Fig. 347



Fig. 181

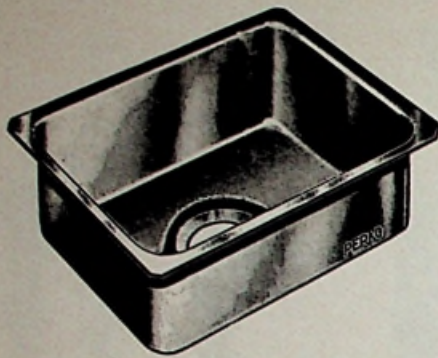


Fig. 356



Fig. 391



Fig. 392



Fig. 393

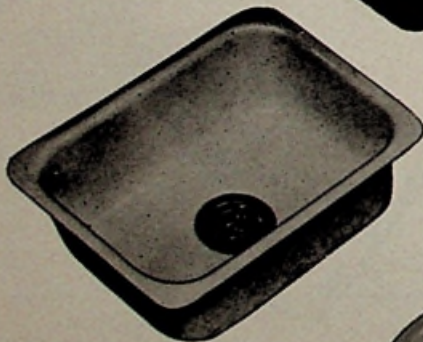


Fig. 382



Fig. 240

**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	\$23.50	10x14	12x16	7	6
2	34.25	11½x16¾	13½x18¾	6	6½
3	41.25	11¾x19¾	13¾x21¾	7	7½

Finishing frame for above see fig. 347.  
 Drain fittings for above, see fig. 357.



**NEW ROUND STAINLESS STEEL SINKS — Fig. 391**  
**Deep Drawn, Seamless Construction**  
**20 Gauge 18-8 — Natural Finish — Self Rimming**

Bottom heavily undercoated for sound deadening.  
 Packed in individual carton.

No.	Each	Diameter Inside Inches	Diameter Outside Inches	Depth Inside Inches	Weight Pounds
6	\$16.50	10¾	12¾	5	2

Finishing frame not required.  
 Drain fitting for above, see fig. 586.



**NEW STAINLESS STEEL SINKS — Figs. 392 and 393**  
**Deep Drawn, Seamless Construction**  
**20 Gauge 18-8 — Natural Finish — Self Rimming**

Bottom heavily undercoated for sound deadening.  
 Packed in individual carton.

Fig.	Each	Size Inside Inches	Size Outside Inches	Depth Inside Inches	Weight Pounds
392	\$29.00	10 x 14	13 x 17	7½	7
393	30.00	10 x 11	13 x 17	7½	7

Finishing frames not required.  
 Drain fittings, see Fig. 357.



**FIBRE GLASS GALLEY SINK — Fig. 382**  
**Glazed White**

Each	Inside Dimensions Inches	Outside Dimensions Inches	Inside Depth Inches	Weight Pounds
\$16.00	11½ x 16¾	13½ x 18¾	6	2¼

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	10¾	12¾	5	14

Drain fitting not included, see Fig. 586.

Finishing frame for Fig. 240, see Fig. 181

**WHITE VITREOUS CHINA LAVATORIES**

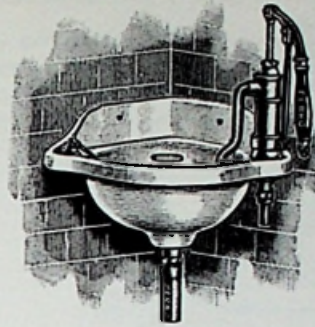
**Fig. 830 Corner Type —**

**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	\$49.00	\$55.50
	2	61.00	67.50
831		39.85	46.35
832		48.75	55.25



**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**

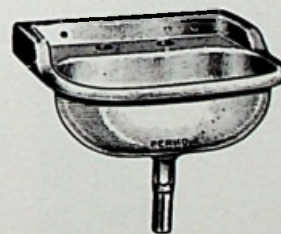
These sturdy basins have all the appearance of fine vitreous china and will perform all the functions of same while providing light weight and lower cost.

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

Tail piece and stopper only — \$2.25 each



**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 is for sinks Figs. 356, 382, 392 and 393.  
Fig. 586 is for sinks Figs. 240 and 391.



**Fig. 357**



**Fig. 586**

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 5/8 inch Hose — Outlet Tailpiece for 1 1/2 Inch Hose.

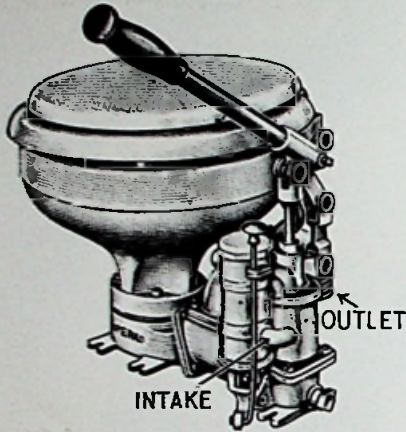


Fig. 828-D With Hand Valve  
Fig. 829-D With Foot Valve

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 1/4	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

"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 1/4	15	16	9x5	32

No.	Each
1 Without Joker Valve, with seat and cover	\$78.00
2 Without Joker Valve, with seat only	76.50
3 With Joker Valve, with seat and cover	85.00
4 With Joker Valve, with seat only	83.50

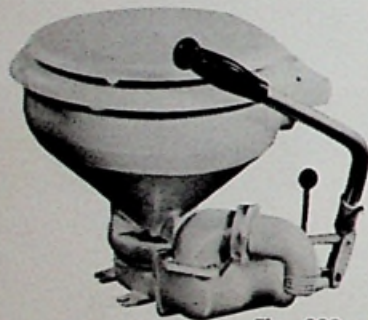


Fig. 833

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	\$1.05	3 1/2	\$1.60
1	26.10	24.75	1.05	3 1/2	2.05
1 1/4	32.80	31.40	1.50	4	3.10
1 1/2	38.30	38.00	2.30	5	3.85
2	64.75	62.90	2.95	6	5.60



Fig. 834



Fig. 835



Fig. 821

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	\$2.00	\$1.10	\$.75	2 1/2	7/8
3/4	9.50	2.75	1.25	1.05	3 1/2	1 1/2
1	13.50	3.90	1.60	1.05	3 1/2	2 1/2
1 1/4	18.00	6.00	2.00	1.50	4	4
1 1/2	24.00	7.35	2.25	2.30	5	5 1/4

NOTE: The 1/2" size has connection for 5/8" hose. Other sizes use same size hose as pipe size.

**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 1½" I.D. heavy walled hose.  
 2 Perko Fig. 5228 stainless steel hose clamps.  
 1 Perko Fig. 350 bronze thru hull fitting (1½").

**Inlet** — 3 feet of ¾" I.D. heavy walled hose.  
 2 Perko Fig. 5210 stainless steel hose clamps.  
 1 Perko Fig. 350 bronze thru hull fitting (¾").  
**\$13.50 per Kit**

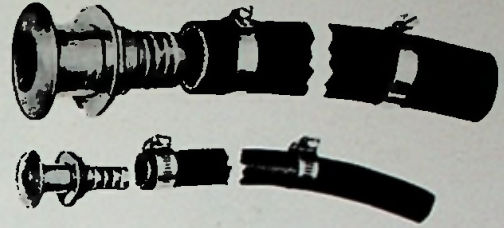


Fig. 843

★  
**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.

	Per Kit
Fig. 836 for Fig. 833 No. 1 and 2	\$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

	Each
Fig. 844 White Seat and Cover Complete	\$9.00
Fig. 845 White Seat, No Cover, Complete	7.00
Fig. 846 White Vitreous Bowl Only	16.50
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.

★  
**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
½	\$2.10	\$3.00	1	1- 9/16	4
¾	2.75	3.65	1½	1-15/16	5
1	3.85	4.75	1¾	2- 3/8	9
1¼	5.50	6.40	1¾	2- 7/8	14
1½	6.50	7.50	1¾	3- 1/16	18



Fig. 384

★  
**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.
¾	\$2.75	\$1.75	2¾	½	1¾	¾	¾
½	3.25	2.00	2¾	½	1½	½	¾
¾	4.15	2.75	2¾	¾	2	¾	½
1	5.95	3.90	2¾	1	2½	1	¾
1¼	8.20	6.00	3½	1¼	2¾	1¾	1½
1½	11.05	7.35	3¾	1½	3	2½	1¾
2	15.05	10.85	4	2	3½	3	1¾
2½		15.50	4		4½		2¾

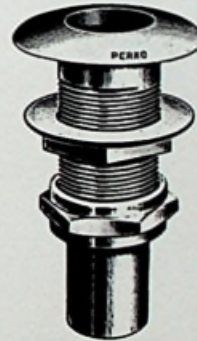


Fig. 64

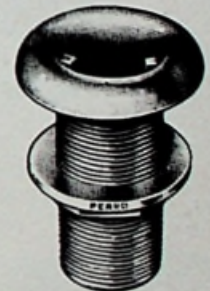


Fig. 322

★  
**THRU HULL CONNECTIONS FOR HOSE – Fig. 311**

Cast Bronze

Plain Each	Polished Chromium Plated Each	For Size Hose Inches	Inside Diameter Inches	Length Overall Inches	Weight Ounces
\$1.60	\$2.50	¾ and 1	9/16	3½	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
* ¾	\$2.40	\$3.30	3	1¼	¾
¾	2.80	3.70	3¾	1½	½
1	4.25	5.15	3¾	1¾	¾
1¼	5.90	6.80	4¼	2	1¾
1½	6.45	7.45	4¼	2	1½

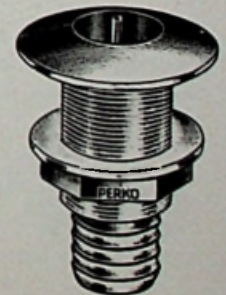


Fig. 350

\*This size for inlet of closets Figs. 833, 828, 829.

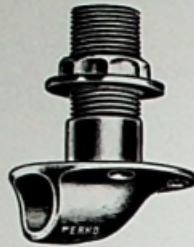


Fig. 332

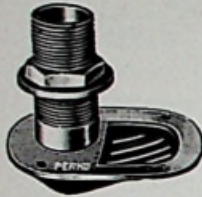


Fig. 65



Fig. 76



Fig. 66



Fig. 86



Fig. 67 Straight  
Fig. 78,  
90 Degree

**WATER OUTLETS — Fig. 332**

**Cast Bronze**

No.	Plain Bronze Each	Chromium Plated Each
1	\$4.75	\$6.25
2	6.00	7.50

No.	Pipe Size Inches	Diam. Flange Inches	Length of Pipe Inches	Weight Ounces
1	3/4	2 3/8	2 1/4	12
2	1	3	3 1/4	16



**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 3/8	3 x 4	3/8
1	6.00	3	3 1/2 x 4 1/4	1 1/8
1 1/4	8.80	3 3/8	3 3/4 x 4 1/2	1 3/4



**CAST BRONZE PIPE TO HOSE ADAPTER — Fig. 76**

Pipe Size Inches	Hose Size Inches	Each	Length Overall Inches	Weight Ounces
1/2	5/8	\$1.10	1 3/8	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



**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	3/4
3	3.00	6 1/4 x 4 1/4	1
4	5.50	8 1/4 x 5 1/4	2



**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



**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**



Fig. 75

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

**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	Each
10	\$.32
12	.32
16	.33
*20	.34
*28	.35
*36	.37
44	.40
52	.43
56	.43
64	.46

**Fig. 6400**

Part Number	Each
* 10	\$.45
12	.45
16	.46
* 20	.47
* 28	.49
* 36	.51
44	.54
52	.57
56	.57
64	.60

\*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.		
10	* 10	3/8	5/8	5/8	1 1/8	10	6
12	12	3/8	3/4	1 1/8	1 1/4	10	6
16	16	3/4	1	1 3/8	1 1/2	10	7
* 20	* 20	1	1 1/4	1 3/8	1 3/4	10	7
* 28	* 28	1 1/4	1 3/4	1 3/8	2 1/4	10	8
* 36	* 36	1 3/4	2 1/4	1 3/8	2 3/4	10	9
44	44	2 1/4	2 3/4	2 3/8	3 1/4	10	9
52	52	3	3 3/4	2 3/8	3 3/4	10	11
56	56	3 1/4	3 1/2	3 3/8	4	10	11
64	64	3 1/2	4	3 3/8	4 1/2	10	12

**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.**



**"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	\$.50	12	1/2	50	1 1/2



**Fig. 499**

**INSTANTLY ADJUSTABLE FOR ANY SIZE HOSE UP TO 6 INCH**

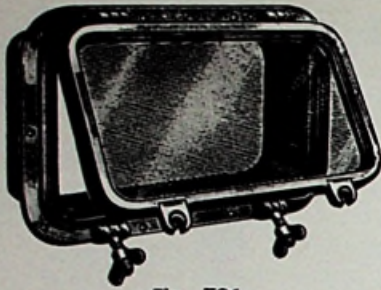


Fig. 796

**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 1/4 x 14 1/4	2	1/4	16	7
2	9 1/8 x 18 1/8	2	1/4	22	10

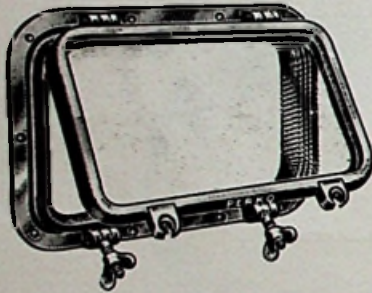


Fig. 803

**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 1/2	5
4	7x16	36.50	28.50	16	7

**SPECIAL FINISHING FRAMES FOR FIG. 803**

3	5x12	\$5.00	\$4.50	2 1/2	1
4	7x16	7.50	5.50	3 1/2	1 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. 442

**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



Fig. 434

**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.



**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	\$15.00	4	7	1/4	3 3/4
5	19.50	5	8	1/4	5
6	22.75	6	9	1/4	6 1/2
* 8	30.50	8	11 5/8	1/4	10 1/4

\* 8" size has two dog bolts.



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

Opening Inches	For Thickness of Wood		Weight 1 1/2 Inch Spigot In Pounds
	1 1/2 Inch Plain Bronze Each	3 Inch Plain Bronze Each	
4	\$14.75	\$18.75	4 3/4
5	18.25	24.50	7 1/4
6	23.00	28.50	8 1/2
8	31.00	37.50	12 3/4

Opening Inches	Outside Diameter Frame Inches	Thickness Glass Inches	Weight 1 1/2 Inch Spigot In Pounds
4	7	1/4	4 3/4
5	8	1/4	7 1/4
6	9	1/4	8 1/2
* 8	11 5/8	1/4	12 3/4

For 1 inch wood, use 1 1/2 inch price.

For 2 or 2 1/2 inch wood use 3 inch price, etc.

\* 8 inch size has two Dog Bolts.

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.

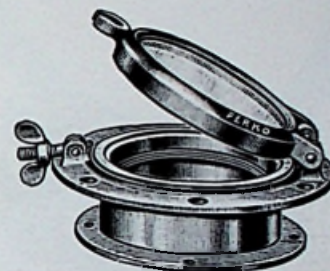
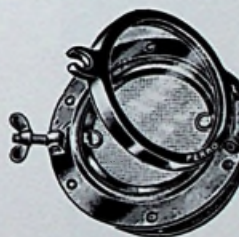


Fig. 157



Showing Screen in Place

**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	\$ 6.75	1/4	6	1 3/4
5	8.50	1/4	7 1/2	2
6	9.25	1/4	8 1/4	2 3/4
* 8	17.00	1/4	11	5 1/4

\* 8 inch size has Safety Glass.



Fig. 838



Fig. 441

**PORTLIGHT CHAINS — Fig. 441**

**Bronze**

Polished Each	Chromium Plated Each	Length Inches	Size Plate Inches	Weight Ounces
\$2.00	\$2.85	8	1 1/4 x 1	3

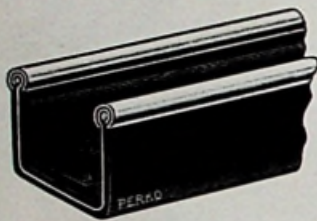


Fig. 461

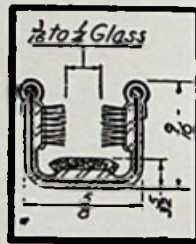
**RUBBER FOR PORTLIGHTS — Fig. 461**

Size	Per Length
1/4 inch square	\$2.15
3/8 inch square	3.50
1/2 inch square	4.75

Supplied only in 12 1/2 foot lengths



Figs. 482 & 479



**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 — \$5.75

Fig. 479 — Marine Type — Wool felt pile with vinyl strip for smoother operation of glass. No. 302 stainless steel bead.

Per 8 Foot Length — \$10.00

Weight per length 1 pound

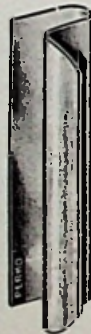


Fig. 954

**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.



Fig. 935

**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



Fig. 937

**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 3/8	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 & 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 $\frac{3}{8}$	7 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{3}{4}$	7 $\frac{1}{4}$

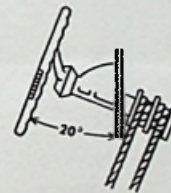
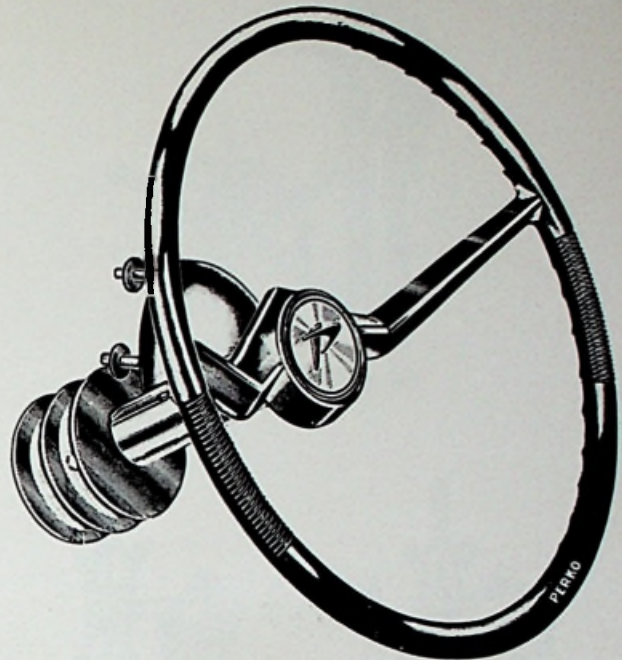
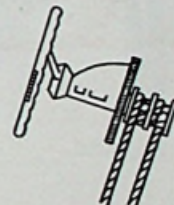


FIG. 1270



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 1 $\frac{1}{4}$  inch diameter hole in dash. Steerer held firm by angle washer and large locknut.

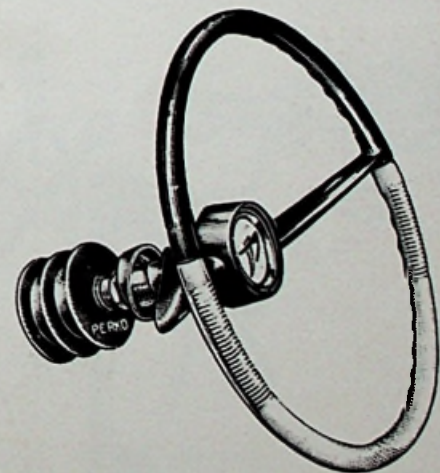


Fig. 1257 with 20 degree angle

Fig. 1257-A with 35 degree angle

Fig. 1257-B with 90 degree angle

*W/O*

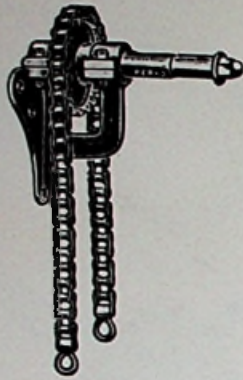


Fig. 678

**CHAIN TYPE STEERERS — Fig. 678**  
**All Bronze — With Roller Chain —**  
**For Wheel Box Mounting**

No.	Each	Wheel End of Shaft Inches	*Length of Shaft Inches	Dimensions of Bracket Inches	Weight Pounds
1	\$54.00	7/8	27/8	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 3/4 inch diameter, 21 teeth.  
 Chain, 36 inches long, 5/8 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

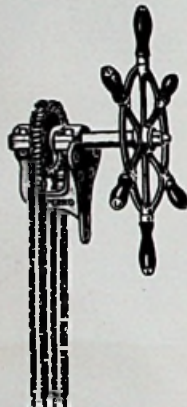


Fig. 675

**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.

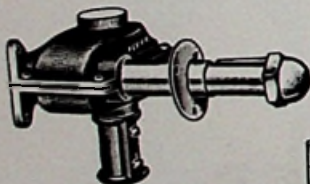


Fig. 524

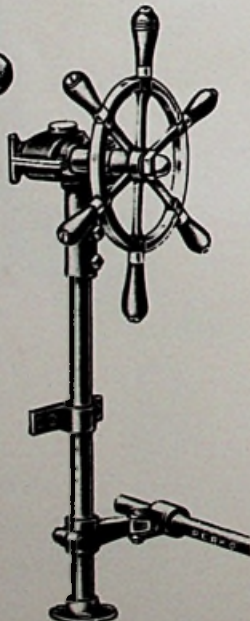


Fig. 820

**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 of Wheel Shaft Inches	Length For Hub Inches	Size Bracket Overall Inches	Weight Pounds
\$65.00	1	3	2 1/8	5 x 2 3/4	7 1/2

With Chromium plated nut and plate add \$1.00.  
 \*Length between box and wheel.

**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 With Die Cast Zamak Rope Drum**

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 $\frac{3}{8}$ x 3 $\frac{3}{8}$	2 $\frac{3}{8}$	3
16	11.60	26.25	28.25	4 x 4	2 $\frac{3}{8}$	3 $\frac{3}{8}$



Fig. 661

**SPARE PARTS**

	12 inch		16 inch	
	Galv. Each	Bronze Each	Galv. Each	Bronze Each
Posts with Back Plates	\$1.80	\$4.20	\$3.00	\$4.20
Rope Drums	.90	.90	1.60	1.60
Acorn Nuts		.75		1.35
*Wheel Only	4.00	5.75	5.75	9.25
Grips Only	.30	.30	.35	.35
Bolts only	.30	.55	.40	.65

\*Does not include handles or bolts.

**CRUISER STEERER — Fig. 695**  
**Spoke Type — For Tiller Rope**  
**Tenite Wheel — Black or Red**

*w/o*

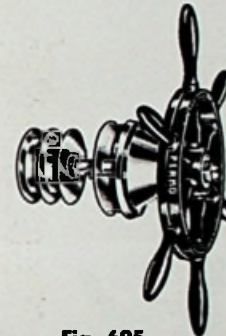


Fig. 695

An excellent nautical type steerer for small outboard cruisers, pontoon boats, etc. The tenite wheel is polished, has steel core and hub.

Diameter Overall Wheel Inches	Each	Diameter Bulkhead Bracket Inches	Length Overall Inches	Weight Pounds
16	30.00	4 $\frac{3}{4}$	9 $\frac{1}{4}$	5 $\frac{3}{4}$

Specify color of tenite wheel.

**THRU BULKHEAD MOUNTING STEERING WHEEL — Fig. 703**

*w/o*

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.

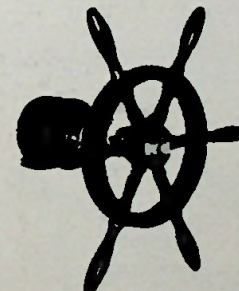


Fig. 703

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 $\frac{5}{8}$

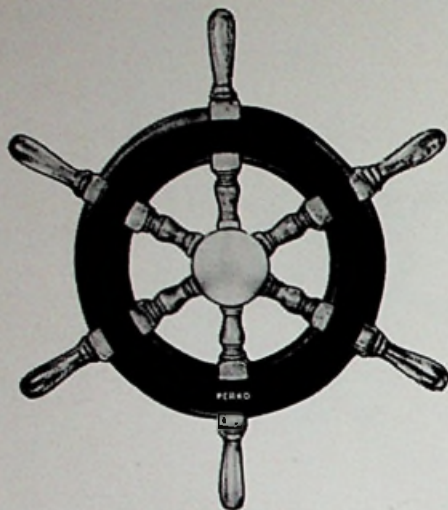


Fig. 657

### 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.

Length bore, 18", 20", 22" sizes, is  $1\frac{1}{4}$ "

Length bore, 24", 28", 30" sizes, is  $1\frac{1}{2}$ "



### STEERING WHEELS — Fig. 976

#### Cast Bronze — Wood Grips — $\frac{1}{4}$ Inch Keyway

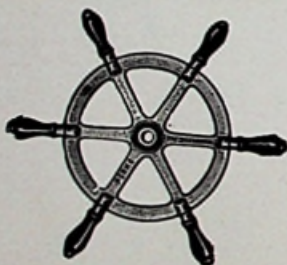


Fig. 976

#### 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 Thickness Inches	Diam. of Stock Inches	Total Length of Stock Inches	*Larger 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	*Larger 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.

**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				*Larger 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

**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	3/8 or 1/2	1 1/2
2	6.50	10	1	1/2	2
3	8.25	12	1	1/2	3 1/4

NOTE—Size No. 1, please specify size of rudder stock.

**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	1/6 to 3/4	3
10	17.20	3/8	1/6 to 1	5 1/4

**BRONZE RUDDER COLLARS — Fig. 815**

For Diam. Stock Inches	Each	Outside Diameter Inches	Thickness Inches	Weight Ounces
3/4	\$2.00	1 1/8	13/16	2 1/4
7/8	2.60	1 1/4	7/8	4
1	2.75	1 3/4	15/16	7
1 1/8	2.75	1 3/4	15/16	6 1/2
1 1/4	4.00	2 1/8	15/16	11
1 3/8	4.20	2 1/4	1 1/8	19
1 1/2	4.75	2 1/2	1 1/8	19

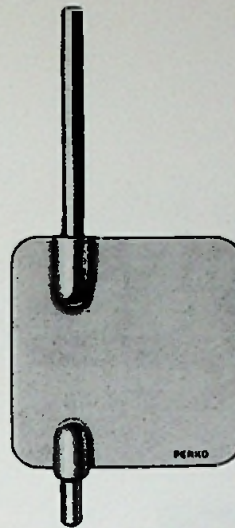


Fig. 816

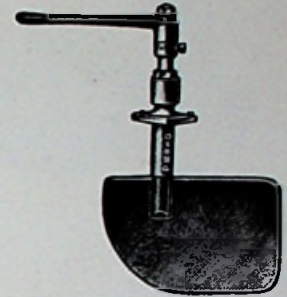


Fig. 813

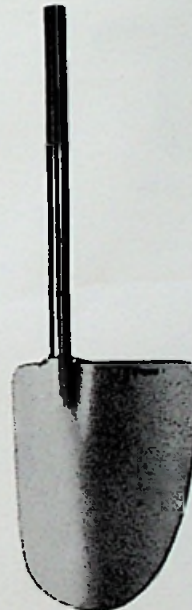


Fig. 818

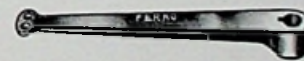
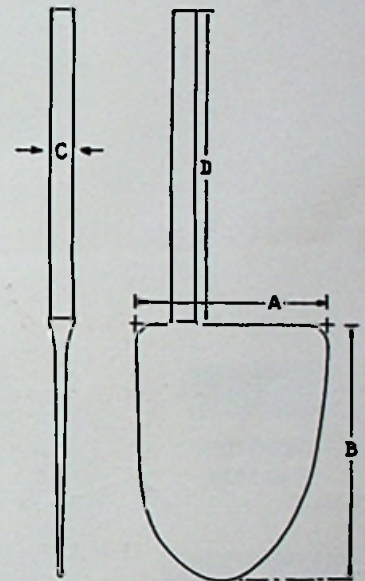


Fig. 810



Fig. 815



Fig. 651

NOTE — Orders for rudders with special length of stock cannot be cancelled. Delivery about 10 days.

\*Larger 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 5/8	3/8	3 1/2
1 1/4	16.50	3 3/4 x 3 3/4	6 1/4	3/8	4

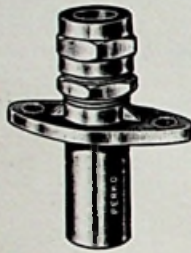


Fig. 1089

**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
3/8	\$11.50	4 x 2	5 1/4	3/8	3
7/8	12.00	4 1/4 x 2 1/4	5 5/8	3/8	3 1/4
1	12.00	4 1/4 x 2 1/4	5 5/8	3/8	3 1/4
1 1/8	13.75	5 x 2 3/4	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

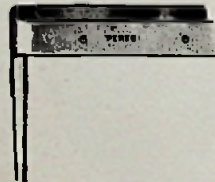


Fig. 1071  
 PINTLE

**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

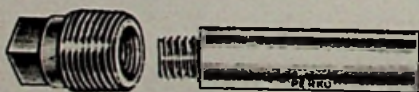


Fig. 254

**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

**Fig. 253 — Zinc Sand Castings**

* 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

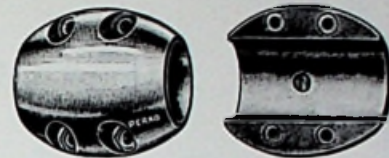


Fig. 252



Fig. 253

**IMPROVED ELECTROLYSIS ELIMINATORS — Fig. 407**

**For Rudders — Smooth Zinc Die Castings —  
Silicon Bronze Flush Bolt — With Hex Nut**

Per Set as Illustrated	Diameter Inches	Thickness Each Half Inches	Weight Complete Ounces
\$1.80	2 1/8	5/8	16

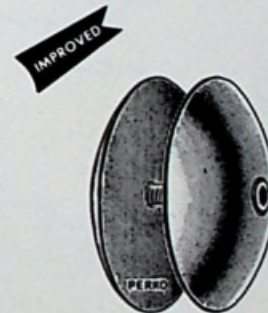


Fig. 407

**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.



Fig. 244

**ELECTROLYSIS ELIMINATORS — Fig. 345**

**Die Cast Zinc — For Hull**

Each	Length Inches	Width Inches	Thickness Inches	Weight Pounds
\$2.20	6 1/4	2 3/4	5/8	1 7/8

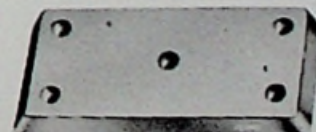
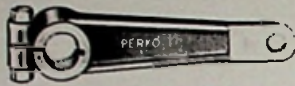


Fig. 345

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.

STEERER AND CONTROL PARTS — Fig. 865

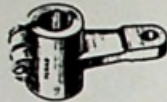
Cast Bronze



1. Lever



2. Clevis



3. Lever



4. Elbow Clevis



5. Angle Clevis



6. Bulkhead Bracket



7. Bulkhead Bracket



8. Lower Bearing



9. Shelf Plate



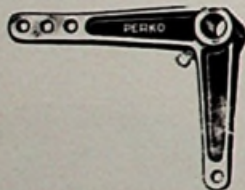
10. Deck Plate



12. Collar



11. Lower Bearing



13. Angle Lever



14-15. Lever

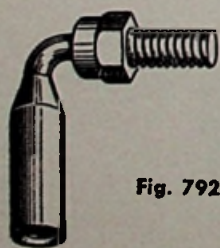


Fig. 792

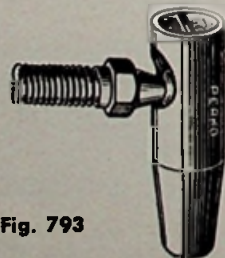


Fig. 793

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	16-7-8
1-B	Lever	9.00			10	16-7-8
1-C	Lever	9.00			10	16-7-8
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	6⅞	
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

	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	¼			¾
2-C			½	1		¼			¾
3	1	½	¾						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							3¼	1
12	1								¼
12-A	1¼								¼
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.



Fig. 278

**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		

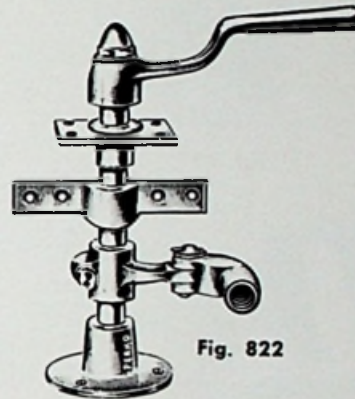


Fig. 822

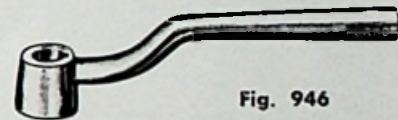


Fig. 946

**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 3/4
10	10.50	11.25	2
12	12.50	13.25	2 1/4



Fig. 715 For Bowden Wire

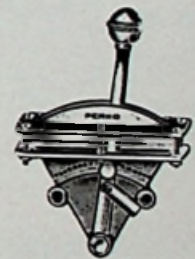


Fig. 716 For Control Rod

**THROTTLE CONTROLS — Figs. 715 & 716**

Ratchet Type — Cast Bronze

Knob is black bakelite. Length of throw, 3 inches.

\*Rod socket is for 1/4, 3/8, or 1/2 inch rod.

Plain Bronze Each	Chromium Plated Each	Length Plate Inches	Width Plate Inches	Weight Pounds
\$11.80	\$17.00	6	2 3/8	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, 3/8, or 1/2 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 3/4

\*Supplied for 3/8 inch rod unless otherwise specified.

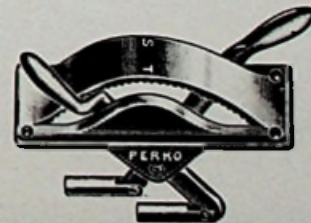


Fig. 331

*w/o*

*w/o*

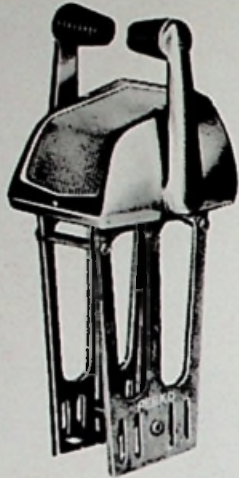


Fig. 710

**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

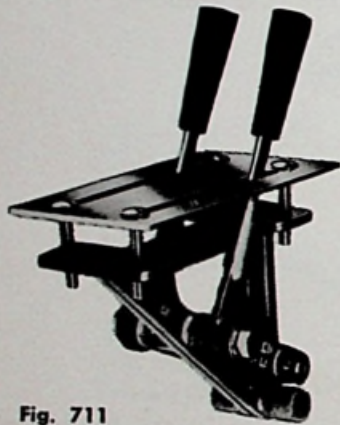


Fig. 711

**"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

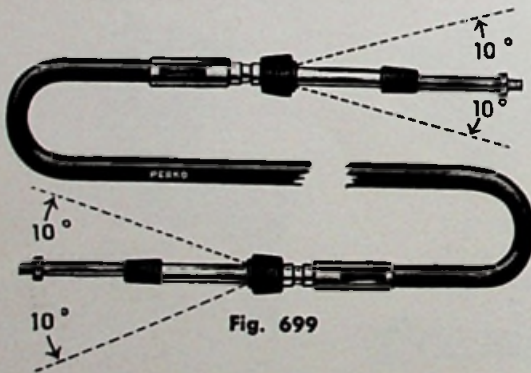


Fig. 699

**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**

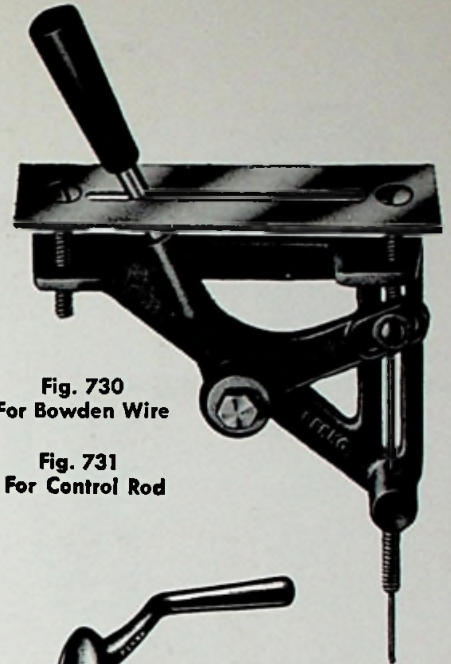
**For Fig. 711 Control — Black Plastic Conduit — Thread 10-32**

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		

**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	1⅜



**Fig. 730**  
For Bowden Wire

**Fig. 731**  
For Control Rod

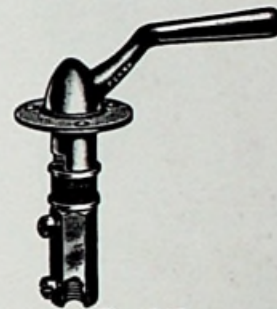
**"SEA-WAY" THROTTLE CONTROLS — Fig. 847**

**Ratchet Type — For ⅜ 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	⅜	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

\*Supplied for ⅝ inch rod unless otherwise specified.



**Fig. 848**

**CONTROL CRANKS — Figs. 636 & 637**

**Cast Bronze — For Control Rod**

*w/o*

*For Rod Inches	Single Complete Each	Double Complete Each	Crank 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	2¼ x ⅜	5	7

\*Supplied for ¼ inch rod unless otherwise specified.



**Side Type**  
**Fig. 636**



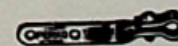
**Upright Type**  
**Fig. 637**

**CONTROL LEVERS — Fig. 354**

**Plain Brass**

*w/o*

No.	Each	Length Overall Inches	For Shaft Inches	For Clevis Pin Inches	Weight Ounces
1	\$.30	2⅝	⅜	⅜	1¼
2	.40	3¾	⅜	⅜	1½



**Fig. 354**

**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.

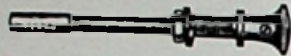


Fig. 692

Each	Length Overall Closed Inches	Outside Diam. Stem Inches	Weight Ounces
\$2.85	4 1/8	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

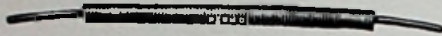


Fig. 353



Fig. 352

★  
**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.



Fig. 93

★  
**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 1/8	3/8	3/8
2	.70	3/8-18	3/4	1 3/8	3/8	3/8
3	.75	3/8-16	1/2	1 1/2	1/2	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	3/8-18	1/2	1 3/4	1/4	3/4
6	.90	3/8-16	1/2	1 7/8	1/4	1 1/8
6-A	.90	10-32	1/2	1 3/8	1/4	3/4

**Heavy Duty Fig. 298**

7	\$.70	1/4-20	3/8	1 3/8	1/4	3/8
8	.75	3/8-18	3/8	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

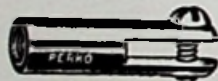


Fig. 328

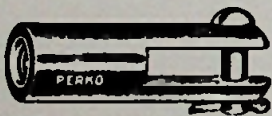


Fig. 295



Fig. 298

★  
**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	\$.85	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.

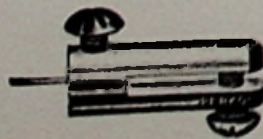


Fig. 679

**SHAFT COUPLINGS — Fig. 327**

Cast Iron

Diameter Shaft Inches	Each	Diameter Overall Inches	Length Overall Inches	Size Keyway Inches	Weight Pounds
3/4	\$8.70	4	3 1/2	3/16	5 1/4
7/8	8.70	4	3 1/2	1/4	5
1	8.70	4	3 1/2	1/4	4 7/8
1 1/8	8.70	4	3 1/2	1/4	4 3/4

For divided sizes such as 1x1 1/8, add \$1.80 each.  
For 1/2 coupling add \$1.20 to half of above prices. No splits furnished.

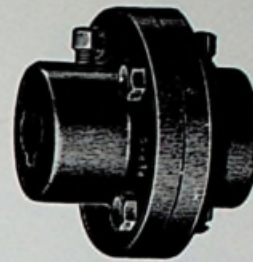


Fig. 327

**BRASS GREASE CUPS — Fig. 961**

No.	Each	Height Closed Inches	Outside Diam. Inches	Pipe Thread Inches	Capacity Ounces
1	\$ .66	1 1/8	3/8	1/8	1/4
2	.90	1 1/4	1 1/8	1/8	1/2
3	1.36	2	1 1/8	1/8	3/8



Fig. 961

**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



Fig. 326

**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 1/2	2

No. 3 for Evinrude 7 1/2 H.P. and others.  
No. 4 for Evinrude and Johnson 3 H.P. and others.

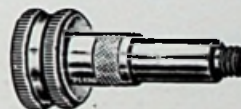


Fig. 179

**PACKING NUTS AND LOCKNUTS — Figs. 73 & 79**

For Stuffing Boxes — Cast Bronze

No.	Shaft Size Inches	Fig. 73 Each	Fig. 79 Each	For Use With Figures
1	5/8	\$1.65	\$.80	320 - 672 No. 0-L
2	3/4	1.65	.80	320 & 672 No. 1-L
3	7/8	1.95	.80	672 No. 1-H & 1089
4	1	1.95	.80	320
5	1 1/8	1.95	.80	672 No. 2-H & 1089
6	1 1/4	2.10	.95	320, 672 No. 3-H, 819, 1088, 1089
7	1 1/2	2.90	1.20	320, 672 No. 4, 819, 1088, 1089
8	1 3/4	2.90	1.30	672 No. 5
9	1 7/8	3.75	1.60	320, 819, 1088, 1089
10	2	4.00	1.70	320, 672, No. 6, 819, 1089
11	2 1/8	4.00	1.70	672 No. 7
12	2 1/4	4.80	1.90	320, 819, 1089
13	2 1/2	8.50	3.35	320, 819
14	2 3/4	9.25	3.95	819



Fig. 73



Fig. 79



Fig. 320

**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	3/8	2 1/2	2 1/2	1 1/4
1/2	5.75	4 x 1 3/8	3/8	2 3/4	2 1/2	1 1/2
5/8	6.50	4 1/4 x 1 3/8	3/8	3	2 3/4	1 3/4
1	7.75	4 1/2 x 2 1/4	3/8	3	2 3/4	1 3/4
1 1/8	10.00	4 3/4 x 2 1/4	1/2	3 3/4	2 3/4	2 1/4
1 1/4	12.25	5 1/4 x 2 3/8	1/2	4 1/4	2 3/4	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 3/4
1 3/4	27.00	7 x 3 3/4	3/4	5 1/2	4	5 3/4

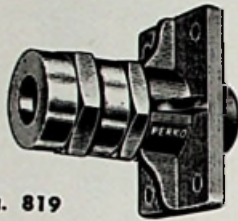


Fig. 819

**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 1/8	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 1/4	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 3/8	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 1/4 x 4 1/2	3/4	5 1/4 x 3 3/4	7	13 1/2
2	52.80	7 1/4 x 5	3/4	5 3/4 x 3 3/4	7 3/4	15 1/2

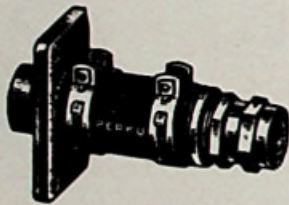


Fig. 734

**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 1/2	6 1/2	5
2	14.50	7/8	5 x 3 1/2	6 1/2	5
3	15.00	1	5 x 3 1/2	6 1/2	5
4	18.50	1 1/8	6 x 4 1/2	7 1/2	9
5	20.00	1 1/4	6 x 4 1/2	7 1/2	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 1/2	13

Note: Length Bearing does not include packing nut or space for packing



Fig. 214 for Pipe  
Fig. 738 for Tubing

**EXHAUST FLANGES — Figs. 214 & 738**

Cast Bronze

Fig. 214 for Pipe		Chromium Plated Each	Inside Diameter Inches	Outside Diameter Inches	Weight Pounds
Size Inches	Plain Each				
1 1/2	\$1.50	\$2.00	1 7/8	3 1/4	1/8
2	1.75	2.50	2 1/2	4	3/8
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		Chromium Plated Each	Inside Diameter Inches	Outside Diameter Inches	Weight Pounds
Size Inches	Plain Each				
2	\$1.75	\$2.50	2 1/8	4	1/2
2 1/2	2.25	3.00	2 3/8	4 1/2	3/4
3	2.75	3.50	3 1/8	5	3/4
3 1/2	2.85	3.75	3 3/8	5 1/2	3/4
4	2.85	3.75	4 1/8	6	3/4

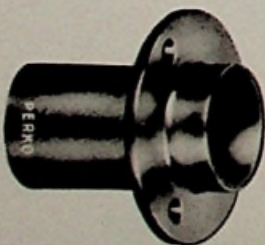


Fig. 755

**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	Chrome Plated Each	Length Overall Inches	Inside Diameter Inches	Diameter Flange Inches	Weight Pounds
\$3.35	\$5.00	3 3/4	1 1/8	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	3/8	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	9x4	10	13	3 1/2
1	16.25	3/4	11x5	12 1/4	13	6
2	16.25	3/8	11x5	12 1/4	13	6
3	16.25	1	11x5	12 1/4	13	6
4	28.50	1 1/8	13x5 1/2	14 1/2	13	10
5	28.50	1 1/4	13x5 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	\$.68	1 1/4	1 3/4	3 1/4
1-L	3/4	5.00	.90	.68	1 1/4	1 3/4	3 1/4
3-L	1	5.40	1.05	.70	1 1/2	1 3/4	3 1/2
1-H	3/4	6.00	1.20	.70	1 3/4	2 1/4	4
2-H	3/8	6.00	1.20	.70	1 3/4	2 1/4	4
3-H	1	6.00	1.20	.70	1 3/4	2 1/4	4
4	1 1/8	10.00	2.40	.80	2 3/4	3 3/8	5
5	1 1/4	10.00	2.40	.80	2 3/4	3 3/8	5
6	1 3/8	15.00	3.10	.86	2 3/4	3 1/2	5
7	1 1/2	15.00	3.10	.86	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

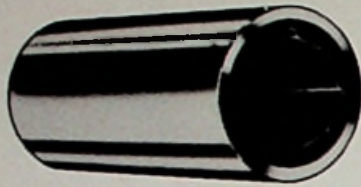


Fig. 673



Fig. 1092

## B. F. GOODRICH CUTLESS RUBBER BEARINGS



Standard Cutless Bearing with bronze shell

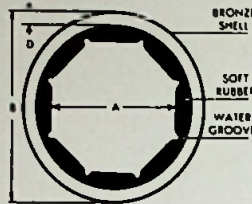


Fig. 1021

### 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 "	3/4"	3/4	\$6.70	\$3.47	NATIVE.....	2 1/4"	3 3/4"	11 "	1/8"	5 1/2	\$38.50	\$4.80
KATY.....	3/4"	1 3/8"	3 1/2"	3/4"	3/4	7.80	3.59	NATURE.....	2 3/4"	3 3/4"	11 "	1/8"	6	38.50	4.80
KATZ.....	1 "	1 1/2"	3 3/4"	3/4"	1	7.80	3.59	NAVAL.....	2 1/2"	3 3/4"	11 1/2"	3/8"	6 1/2	39.90	4.86
KAVA.....	1 "	1 3/4"	4 "	3/4"	1 1/2	9.00	.....	NAVY.....	3 "	3 3/4"	12 "	1/8"	8	42.40	4.90
KAYAK.....	1 "	1 3/4"	4 "	3/4"	1	9.00	3.67	NECK.....	3 "	4 "	12 "	3/8"	8 1/2	42.40	4.90
KEFER.....	1 "	1 3/8"	4 "	3/4"	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 "	3/4"	1 1/2	9.00	3.67	NECTAR.....	3 1/4"	4 "	13 "	3/8"	9 1/4	49.00	5.06
KERSEY.....	1 1/8"	1 3/8"	4 1/2"	3/4"	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"	3/4"	1 1/4	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 1/4"	2 "	4 1/2"	3/4"	1 1/2	10.80	3.71	NEGRO.....	3 1/2"	4 1/4"	14 "	1/8"	10	56.50	5.27
KIBBLE.....	1 1/4"	1 1/2"	5 "	3/4"	1 1/2	12.40	.....	NEIGHBOR... 3 1/2"	4 1/2"	14 "	3/8"	11 1/2	56.50	5.27	
KIDNAP.....	1 1/4"	1 3/4"	5 "	3/4"	1 1/4	12.40	3.78	NEPHEW....	3 3/8"	4 1/2"	14 1/2"	1/8"	12 3/4	61.70	5.92
KIANO.....	1 1/4"	2 "	5 "	3/4"	1 1/2	12.40	3.78	NEPTUNE... 3 3/4"	4 1/2"	15 "	1/8"	10 1/2	68.50	7.20	
KIDNEY.....	1 1/4"	2 1/4"	5 "	3/4"	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 3/4"	5 1/2"	3/4"	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"	3/4"	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 1/4"	5 1/2"	3/4"	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"	3/4"	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"	6 "	3/4"	2 1/2	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 3/8"	5 3/4"	3/4"	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 "	3/4"	2 1/2	15.10	3.88	NICHE.....	4 3/8"	5 3/4"	17 1/2"	3/8"	33 3/8	101.30	8.39	
KINE.....	1 1/2"	2 "	6 "	3/4"	2	15.80	3.92	NICK.....	4 1/2"	5 3/8"	18 "	3/8"	33 3/4	106.30	8.47
KINGDOM... 1 1/2"	2 3/4"	6 "	3/4"	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 1/4"	6 1/2"	3/4"	2 1/4	18.40	3.98	NIGGARDLY. 4 3/8"	6 1/8"	18 1/2"	1/8"	39	115.80	9.96	
KINSHIP... 1 3/8"	2 3/8"	6 1/2"	3/4"	3	18.40	3.98	NIGHLESS... 4 3/4"	6 1/4"	19 "	1/8"	43 3/4	124.80	10.04		
KIP.....	1 3/4"	2 3/4"	7 "	3/4"	2 3/4	20.80	4.02	NIGHTLY... 4 3/4"	6 1/4"	19 1/2"	1/8"	43	132.80	10.18	
KITE.....	1 3/4"	2 3/8"	7 "	3/4"	3 3/4	20.80	4.02	NIGHT.....	5 "	6 3/8"	20 "	1/8"	45	142.40	10.63
KITEM.....	1 3/4"	2 3/4"	7 1/2"	3/4"	3 3/4	22.90	4.06	NOBLE.....	5 "	6 1/2"	20 "	1/8"	50 1/4	142.40	10.63
KITEZ.....	1 3/4"	2 13/16"	7 1/2"	3/4"	4	22.90	4.06	NOBLISH... 5 1/4"	6 3/4"	21 "	1/8"	70	165.80	11.84	
KITH.....	2 "	2 3/8"	8 "	3/4"	3 3/4	24.60	4.10	NOBODY... 5 1/4"	7 "	21 "	1/8"	80 1/4	165.80	11.84	
KNAVE.....	2 "	3 "	8 "	3/4"	4 1/2	24.60	4.10	NOBOD... 5 3/8"	6 3/4"	21 1/2"	1/8"	65	169.60	12.14	
KNIT.....	2 1/4"	2 13/16"	8 1/2"	3/4"	4 1/2	26.50	4.10	NOBUR.....	5 3/8"	6 3/4"	21 1/2"	1/8"	65	169.60	12.14
KNOB.....	2 1/4"	3 1/8"	8 1/2"	3/4"	4 3/4	26.50	4.10	NOBUR.....	5 3/8"	6 3/4"	21 1/2"	1/8"	65	169.60	12.14
KNOLL.....	2 3/4"	2 13/16"	9 "	3/4"	4 1/2	28.60	4.16	NOBUR.....	5 3/8"	6 3/4"	21 1/2"	1/8"	65	169.60	12.14
KORAN.....	2 3/4"	3 1/8"	9 "	3/4"	5	28.60	4.16	NOBUR.....	5 3/8"	6 3/4"	21 1/2"	1/8"	65	169.60	12.14
KUMISS....	2 3/4"	3 3/8"	9 "	3/4"	6	28.60	4.16	NOBUR.....	5 3/8"	6 3/4"	21 1/2"	1/8"	65	169.60	12.14
NABAS.....	2 3/4"	3 3/4"	9 1/2"	3/4"	6	30.80	4.20	NOMAD.....	5 1/2"	7 "	21 1/2"	3/8"	75	169.60	12.20
NAKED.....	2 1/2"	3 1/4"	10 "	3/8"	5	31.80	4.29	NOMAR.....	5 1/4"	7 "	22 1/2"	1/8"	65	175.40	12.29
NATION....	2 1/2"	3 3/4"	10 "	3/8"	6	31.80	4.29	NOMAR.....	5 1/4"	7 "	22 1/2"	1/8"	70	181.80	12.43
NATISM....	2 5/8"	3 5/8"	10 1/2"	3/8"	5 3/4	34.70	4.76	NONAGE... 5 3/4"	7 "	23 "	1/8"	62 3/4	189.70	12.51	
								NONARY... 5 3/4"	7 1/2"	24 "	1/8"	68	197.20	12.55	
								NOOK.....	6 "	7 1/2"	24 "	1/8"	70	213.40	12.61

\*To obtain price of bearing length other than standard, multiply length in inches by price per linear 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
3/4	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.

Lgth. 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.



Fig. 1019

**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

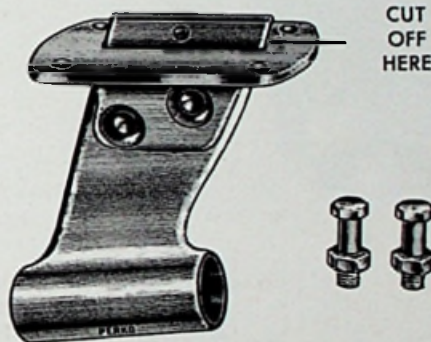


Fig. 1055

**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

Lgth. 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.

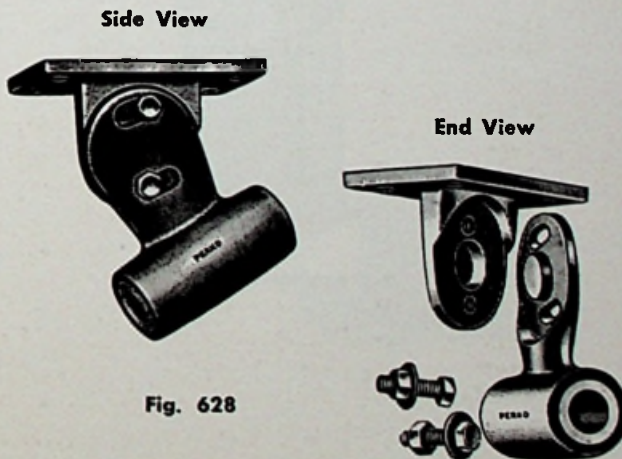


Fig. 628

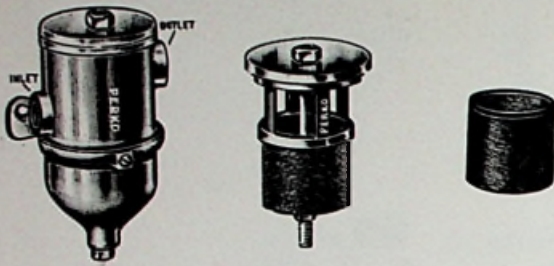


Fig. 299

**FUEL STRAINER — Fig. 299**

**Cast Bronze Housing — With "Kwick Clean" Filter Elements And Corprene Gaskets**

**For Gasoline — Diesel Fuel — Lubricating Oil**

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.

The special highly engineered filter element we supply is not ordinary wire mesh but a wound microcarbon ribbon, phenolic resin impregnated.

Easily cleaned by reverse flow or back flushing or compressed air.

Size No.	Complete Each	Spare Elements Each	Length Overall Inches	Diam. Inches	Tapped For Pipe Inches	Weight Pounds
1-A	\$14.50	\$.80	5½	2¾	¼	3¾
1-B	14.50	.80	5½	2¾	¾	3¾
1½-A	20.25	.95	6¼	3¼	¾	6
1½-B	20.25	.95	6¼	3¼	½	6
2-A	29.50	1.25	7¼	3¾	¾	8
2-B	29.50	1.25	7¼	3¾	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	3⅝x2 ⅝	2 ⅝
4	B-175-14	16.50	2⅝	4⅝x2⅝	2 ⅝
5	B-175-12A	16.75	2⅝	5⅝x2⅝	2⅝
6	B-175-12	16.75	2⅝	5⅝x2⅝	2⅝
7	B-175-16	16.75	2⅝	5⅝x2⅝	2⅝
8	B-175-13	18.50	3	5⅝x3 ⅝	2⅝

**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.

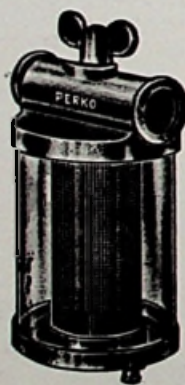


Fig. 493

No.	Complete Each	Spare Lucite Cylinders Each	Spare Cylinder Gaskets Each	Spare Strainers Each
1	\$22.50	\$ 5.00	\$.35	\$ 2.40
2	29.75	6.25	.45	3.75
3	31.50	6.50	.45	4.20
4	33.50	7.50	.45	4.75
5	47.50	11.00	.75	5.50
6	58.75	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	3½x4	6	4¼	3½
2	¾	4½x5	7¾	5½	6½
3	1	4½x5½	8¼	5½	6¾
4	1¼	4½x6	8¾	5½	7
5	1½	6 x8	11½	7	12
6	2	6 x12	17¼	9	22

Height does not include top nut or drain plug.

**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 3/8	2

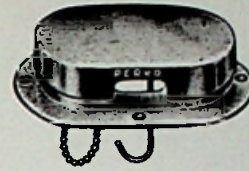


Fig. 750

★  
**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 3/8	5/8



Fig. 757

★  
**ROPE DECK PIPES — Fig. 741**

Galvanized Cast Iron Or Cast Bronze

No.	Galvanized Each	Chromium Plated Each	For Diam. Rope Inches	Inside Diam. Inches	Diam. Flange Inches	Weight Pounds
0		\$6.00	3/8	1 1/4	3	3 1/2
1	\$2.90	9.50	1/2 & 1	1 3/4	4 1/4	1 1/2

All sizes Drilled for No. 8 F.H. screw.



Fig. 741

★  
**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 1/2
3	19.00	20.25	6 x 6	5	1	4
4	42.00	44.00	7 x 7	6 1/2	1 1/4	12

No. 2 Drilled for 1/4 inch bolt.

No. 3 Drilled for 3/8 inch bolt.

No. 4 Drilled for 1/2 inch bolt.

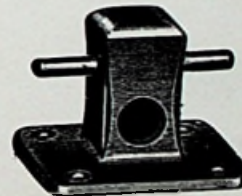


Fig. 431

★  
**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	7 1/2
2	10.25	11.00	4 1/4 x 4 1/4	3 1/2	1/4"	1 3/8
3	18.00	19.25	6 x 6	5	3/8"	4 1/2
4	40.00	42.00	7 x 7	6 1/2	1/2"	12

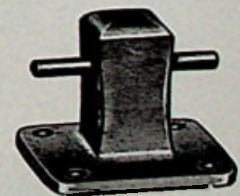


Fig. 608

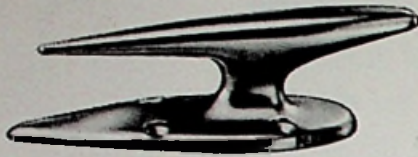


Fig. 850 — Bronze  
Fig. 566 — Zamak

**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 $\frac{5}{8}$ x1 $\frac{3}{8}$	$\frac{3}{8}$	8	12	4
4 $\frac{1}{2}$	4.00	4 $\frac{1}{4}$ x1 $\frac{3}{4}$	$\frac{5}{8}$	10	12	10



**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 $\frac{1}{4}$
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 $\frac{1}{2}$	3.85	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 $\frac{1}{4}$ 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



**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



**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



**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 $\frac{1}{2}$	\$ .30	\$ .41			$\frac{3}{8}$
4	.35	.55	See Figure 544 A		$\frac{1}{4}$
5	.50	.70			$\frac{3}{8}$
6	.75	.90			$\frac{1}{2}$
8	1.35	1.70	\$5.15	\$ 5.50	1 $\frac{1}{4}$
10	2.25	2.65	7.50	8.25	2 $\frac{1}{4}$
12	3.15	3.70	11.75	12.25	3 $\frac{3}{4}$
14	4.50	6.40			6 $\frac{1}{4}$
18	9.00	11.45			11 $\frac{1}{2}$

Galvanized cleats supplied in cast unless otherwise specified.

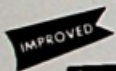


Fig. 851 — Bronze  
Fig. 1250 — Zamak



Fig. 544-A

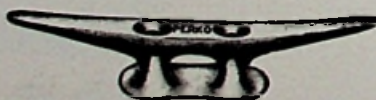


Fig. 544

**NEW "STURDY" CLEATS — Fig. 1200**  
Zamak Die Casting — Chromium Plated

No.	Length Inches	Each	Size Base Inches	For Rope Inches	For Screw No.	Weight Ounces
*1	2 3/8	\$ .65	7/8 x 1/2	3/8	8	1 1/4
2	3 1/2	.80	1-3/16 x 11/16	1/2	8	3
3	5	1.25	1-7/16 x 1	5/8	10	7 1/4
4	6 1/2	1.90	1-3/4 x 1-3/16	3/4	10	11

\*Size No. 1 provides a perfect fender cleat.



Fig. 1200



**NEW "STURDY" CLEAT WITH STUDS — Fig. 1204**  
Zamak Die Casting — Chromium Plated —  
Studs 1/4"-20 x 1 1/4" Long — With Nuts and Washers

No.	Length Inches	Each	Size Base Inches	For Rope Inches	Weight Ounces
2	3 1/2	\$1.15	1-3/16 x 11/16	1/2	3 1/4
3	5	1.60	1-7/16 x 1	5/8	7 1/2
4	6 1/2	2.25	1-3/4 x 1-3/16	3/4	11 1/2

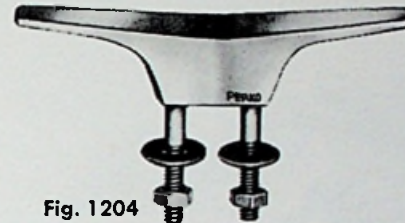


Fig. 1204



**YACHT CLEATS — Fig. 572**  
Cast Bronze

Length Inches	Polished Bronze Each	Chromium Plated Each	For Screw No.	Weight Pounds	Packed Per Box
4 1/2	\$ 3.00	\$ 3.40	10	1/2	10
5 1/2	3.60	4.00	10	3/8	10
6 1/2	4.90	5.25	12	3/4	10
8	6.75	7.50	1/4"	1 1/4	
*10	8.75	9.50	3/8"	2	
*12	13.00	13.75	3/8"	3	

\*These Sizes Are Hollow, Balance Of Sizes Are Solid.



Fig. 572

**SHIP CLEATS — Fig. 511**  
Cast Iron — Heavy

Length Inches	Galv. Each	Size of Base Inches	Holes for Diam. Bolts Inches	Weight Each Pounds
8	\$ 3.10	4 1/4 x 2 3/8	3/8	3
10	5.40	4 3/4 x 2 1/2	1/2	5 3/4
12	10.10	6 3/8 x 3	3/8	10
15	13.20	7 1/4 x 3 1/2	3/4	14
18	19.80	7 1/2 x 4	3/4	20 1/4



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	3/8	6	12	2
1	2.25	2.45	4	1/2	7	12	3 1/2
2	3.00	3.25	5	3/4	8	12	5 1/2



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	1/4 - 3/8	3 1/2 x 1 1/2	8	10

*wfo*

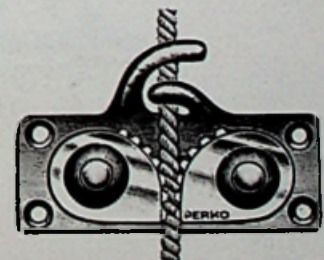


Fig. 895

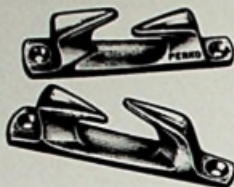


Fig. 852

**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	1 $\frac{3}{8}$	$\frac{1}{2}$	8	10	10

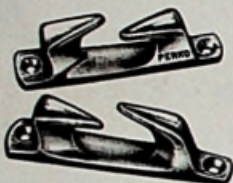


Fig. 1253

**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	1 $\frac{3}{8}$	$\frac{1}{2}$	10	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	\$ .58	\$ 2.40	\$ 2.80	$\frac{3}{8}$	$\frac{1}{2}$	8	$\frac{1}{4}$
4	.68	3.15	3.60	$\frac{3}{8}$	$\frac{3}{8}$	10	$\frac{1}{2}$
5	1.25	6.10	6.60	$\frac{3}{8}$	$\frac{3}{8}$	10	1
6	2.10	8.50	9.10	1	1	14	1 $\frac{1}{2}$
8	3.20	12.00	13.20	1 $\frac{1}{4}$	1 $\frac{1}{8}$	14	3



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	3 $\frac{1}{2}$	$\frac{7}{8}$	$\frac{3}{8}$	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	\$ .45	\$2.10	\$2.40	$\frac{3}{8}$	$\frac{3}{8}$	8	$\frac{1}{4}$
5	.63	3.00	3.30	1	$\frac{3}{8}$	10	$\frac{1}{2}$
6	1.00	4.00	4.65	1 $\frac{1}{8}$	1	12	$\frac{3}{4}$
8	2.10	6.90	7.80	1 $\frac{3}{8}$	1 $\frac{1}{8}$	14	1 $\frac{1}{2}$
10	3.40			1 $\frac{3}{4}$	1 $\frac{1}{2}$	$\frac{3}{8}$ "	2 $\frac{3}{4}$
12	6.60			2 $\frac{5}{8}$	1 $\frac{3}{4}$	$\frac{3}{8}$ "	7 $\frac{1}{2}$



**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
\$1.90	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	5¼	1¼	1	1
13	8.75	9.35	7	1¾	1¾	2



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. 752

**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

Average Weight - 2 ounces each



Hinge No. 1



Socket Nos. 2 and 3



Eye End No. 4



Slide Nos. 5 and 6

Fig. 395

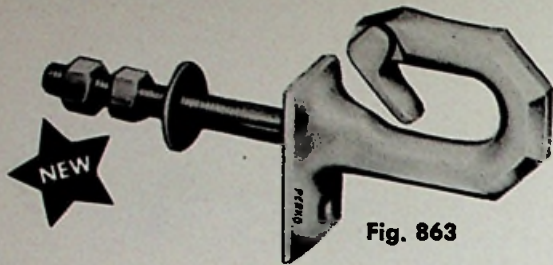
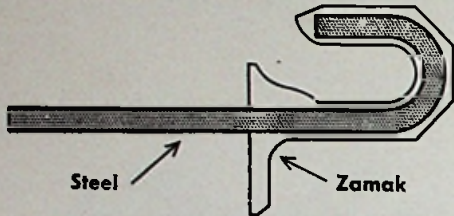


Fig. 863

**NEW WATER SKI TOWING HOOK — Fig. 863**  
 For Mounting Through Transom —  
 Zamak Hook — Steel Bolt — All Chromium Plated

Designed for both strength and looks. Zamak is die cast around the steel core as illustrated. Polished chromium plated hook provides a good looking fitting and the steel core provides the necessary strength for enjoyable skiing.



Each	Length Overall Inches	Diameter Bolt Inches	Length Bolt Inches	Length Thread Inches	Weight Ounces
\$2.50	6	5/16	3 1/4	2 1/2	10



**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.

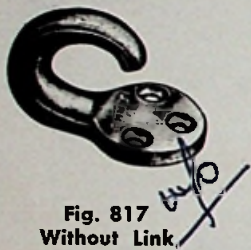


Fig. 817 Without Link

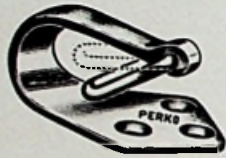


Fig. 861 With Link

Fig.	Plain Each	Chromium Plated Each	Length Overall Inches	Width Inches	For Screw No.	Weight Pounds
817	\$2.40	\$3.50	3	1 3/4	12	1/2
861	2.10	4.35	3 1/4	1 3/4	12	1/2



**RING BUOY HOLDERS — Fig. 1017**  
 Cast Bronze



Fig. 1017

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	4 1/2	8	1/2



**CURVED REAR VIEW MIRROR — Fig. 406**  
 Wide Vision — Non-Glare — Lead Backed Glass —  
 Salt Spray Tested — Zamak Die Cast Base —  
 Chromium Plated



Fig. 406

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 3/4 x 3/4	3/4



**CURVED REAR VIEW MIRROR — Fig. 400**  
 Wide Vision — Non-Glare Glass —  
 For Mounting On Top Of Windshield — Adjustable

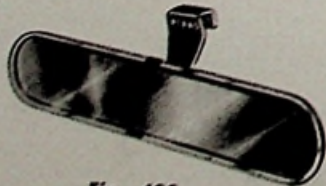


Fig. 400

Each	Width Mirror Inches	Height Mirror Inches	Weight Pounds
\$6.25	11 3/4	2 1/2	1/2

**BOW HANDLE WITH EYE -- Fig. 853**

Cast Bronze -- Chromium Plated

**BOW HANDLE WITH EYE -- Fig. 1269** *wfo*

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	1¾	8	6	15
1269	3.40	11¾	2	10	6	18

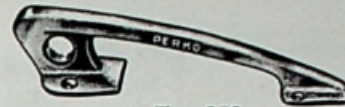


Fig. 853

**BOW HANDLE -- Fig. 1217** *wfo*

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	1¾	8	11	10

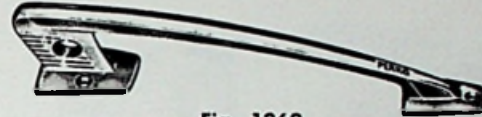


Fig. 1269

**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
\$2.60	13¾	1¾	8	14	5



Fig. 1217

**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	1¾	8	13	5



Fig. 1238

**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. 1244

**TRANSOM HANDLE -- Fig. 854**

Cast Bronze -- Chromium Plated

Each	Length Base Inches	Height Above Deck Inches	For Screw No.	Packed Per Box	Wt. Oz.
3.40	5¾	1¾	8	6	8



Fig. 1221



Fig. 1234

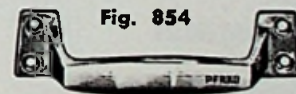
**TRANSOM HANDLE -- Fig. 1229**

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

**TRANSOM HANDLES**

Fig. 854



**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	7¾	10



Fig. 1229

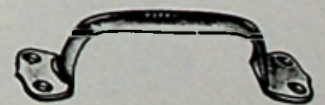
**TRANSOM HANDLES -- Figs. 775 & 1222**

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	\$1.60	\$1.80	4¼	2¾	6	2
775	2	2.00	2.30	5¾	3¾	8	4
1222			1.00	5¾	3¾	8	3½



Fig. 1231



Bronze Fig. 775  
Zamak Fig. 1222

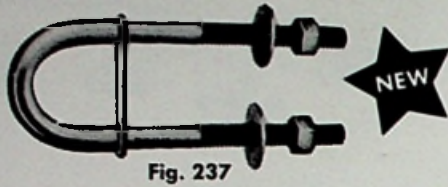


Fig. 237

**NEW BOW EYES — Fig. 237**  
18 - 8 Stainless Steel — Polished

No.	Each	Length Shank Inches	Diameter Metal Inches	Length Thread Inches	Inside Eye Inches	Weight Ounces
1	\$2.80	3	5/16	2	1	4
2	3.50	6	5/16	3 1/2	1	5 1/2

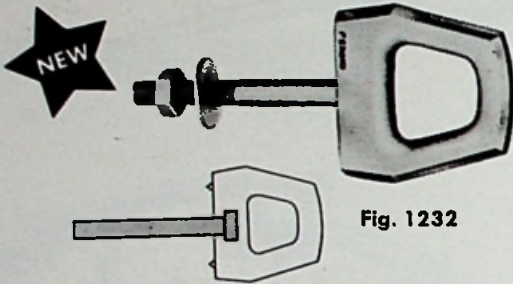


Fig. 1232

**NEW BOW EYES — Fig. 1232**  
Die Cast Zamak Eye — Chromium Plated —  
Forged Steel Shank, Nut and Washer

Eye is die cast around the square head of shank as illustrated, Cannot pull out. Very strong.

No.	Each	Length Shank Inches	Length Thread Inches	Diameter Shank Inches	Eye Inside Inches	Weight Ounces
1	\$1.60	3	2	3/8	1	10
2	1.75	6	3 1/2	3/8	1	11 1/2

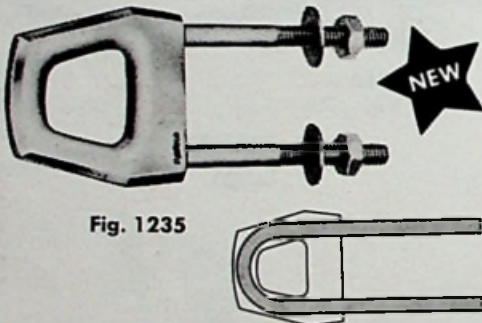


Fig. 1235

**NEW BOW EYES — Fig. 1235**  
Die Cast Zamak Eye — Chromium Plated —  
Forged Steel Shanks, Nut and Washer —  
Shanks Are One Continuous "U" Bolt Cast Inside Eye

No.	Each	Length Shank Inches	Length Thread Inches	Diameter Shank Inches	Inside Eye Inches	Weight Ounces
1	\$1.75	3	2	5/16	1	11
2	1.90	5 3/4	3 1/2	5/16	1	12 1/2

Note illustration of "U" bolt which provides greater strength

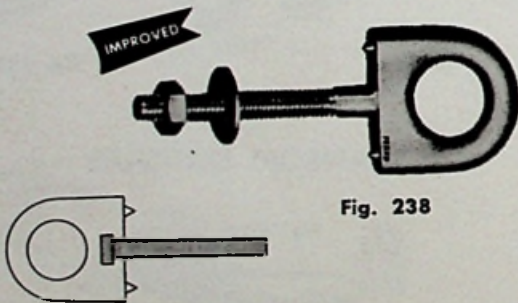


Fig. 238

**IMPROVED BOW EYES — Fig. 238**  
Cast Bronze

Bronze eye is cast around the square head of shank as illustrated. Strength has been greatly improved.

No.	Nickel Plated Bronze Each	Chromium Plated Each	I. D. Eye Inches	Length Shank Inches	Diameter Shank Inches	Length Thread Inches	Weight Ounces
1	\$2.00	\$2.75	1 5/16	3	3/8	2	11
2	2.20	2.95	1 5/16	6	3/8	3 1/2	13
3	3.25	4.25	1 5/16	6	1/2	3 1/2	16



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	\$ .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 3/4	1 3/4	3/4 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	\$1.35	$\frac{3}{8} \times 1\frac{1}{2}$	$2\frac{1}{8} \times 2\frac{1}{8} \times \frac{1}{4}$	12	33
2	1.65	$\frac{3}{8} \times 2$	$2\frac{1}{8} \times 2\frac{1}{8} \times \frac{1}{4}$	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	3½	5

Metal In Eye Inches	Length of Straps Inches	Extreme Length Inches	I.D. Eye Inches	For Screw No.
$\frac{3}{8}$	1¾	3	$\frac{3}{4}$	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	3¾	1⅞	1½ x 1¼	7/16	7



Fig. 416



Fig. 418

**TOWING OR LIFTING EYE — Fig. 418**  
Cast Manganese Bronze

This rugged Perko fitting has two 3" x ¾" 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	3¾	1	1½ x 1¼	7/16	9½



WITH LOOSE DECK FLANGE  
Fig. 412



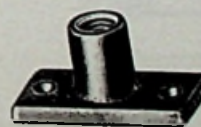
WITH INTEGRAL DECK FLANGE  
Fig. 415

**LIFTING RINGS AND KEEL PLATES — Figs. 412, 415, 446 & 447**

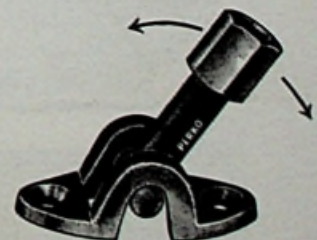
Cast Manganese Bronze — For ¾ Inch Rod

Fig.	Plain Bronze Each	Chromium Plated Each	I.D. Eye Inches	Stock in Eye Inches	Length Inches
412		\$5.75	1¾	$\frac{3}{8}$	3½
415		6.25	1¾	$\frac{1}{2}$	3½
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		3x2½		8		12½
446			3 x 1¾		$\frac{1}{4}$ "	7
447			3½ x 1¾		$\frac{1}{4}$ "	9



KEEL PLATE  
Fig. 446



KEEL PLATE  
Fig. 447

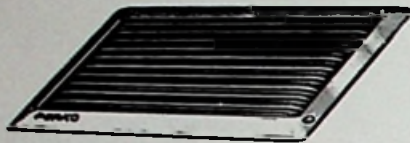


Fig. 1225

**STEP PLATES — Fig. 1225**

**Zamak Die Casting — Chromium Plated —  
With White Moulded Rubber Step Pads**

No.	Complete Each	Frame Only Each	Overall Dimensions Inches	For Screw No.	Weight Ounces
1	\$1.40	\$.90	8¾x3¼	6	8
2	2.55	1.70	11½x5¼	8	12

Packed per box — N. 1, 10 pieces — No. 2, 5 pieces.



Fig. 1043

**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 2¼	4	½
1		4.85	4.35	8¾x3¼	6	¾
2		6.70	5.85	11½x5¼	8	1¾

Packed per box—Nos. 0 and 1, 10 pieces, No. 2, 5 pieces.

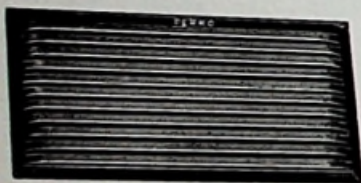


Fig. 1050

**RUBBER PADS ONLY — Fig. 1050**

**Black Or White**

No.	Black Each	White Each	Length Inches	Width Inches	Thickness Inches	Weight Ounces
0	\$.25	\$.50	7¼	1¾	¼	2
1		.50	8	2½	⅜	3¼
2		.85	11	5	⅝	8¼

Packed 10 pieces per box.

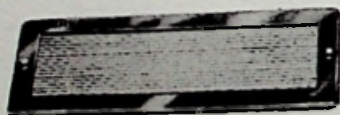


Fig. 1251

**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 2¼	5
1		1.35	.85	8¾ x 3¼	6½

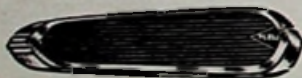


Fig. 1284

**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.

No.	Black Complete Each	White Complete Each	Black Pads Each	White Pads Each	Overall Dimensions Inches	Weight Ounces
0	\$1.10	\$1.30	\$.25	\$.50	8x2¼	5

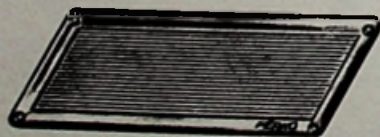
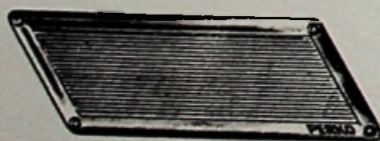


Fig. 1273

**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	8½x3¼	6	18

**UTILITY RUBBER STEP PLATES — Fig. 1044**  
**Heavy Corrugated — White With Brass,**  
**Chromium Plated Frame**

No.	Each	Overall Dimensions Inches	Weight Pounds
4	\$ 7.25	10 x 4	¾
5	8.25	13 x 5	1
6	10.00	17 x 6	1½
7	11.00	18 x 7	2

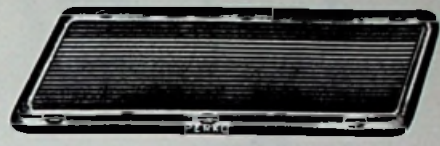


Fig. 1044

★

**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
Giant	6.25	12¾	3

Giant size for 50 H.P. and up.

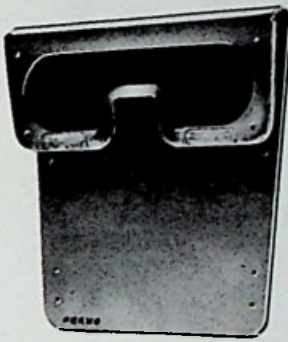


Fig. 199

★

**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 1¼ 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	1⅞ x ⅞	¾	8	2

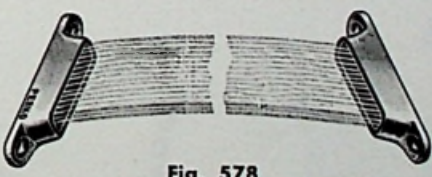


Fig. 578

★

**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

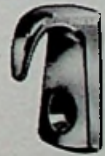


Fig. 1249



Fig. 1262

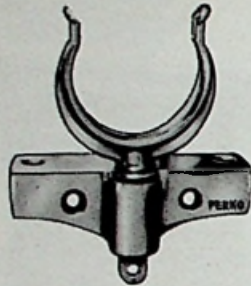


Fig. 1263

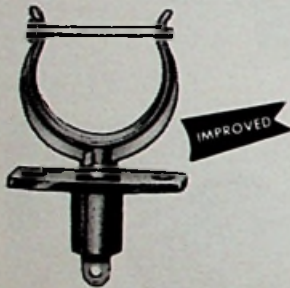


Fig. 1227

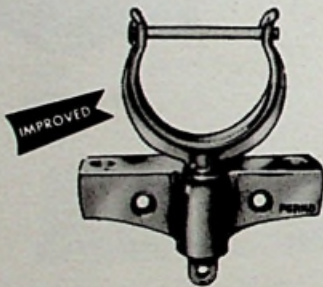


Fig. 1228



Fig. 638



Fig. 639

**NEW RIBBED SOCKET ROWLOCKS — Fig. 1262**

Zamak Die Castings — Quiet Action

With Delrin Bearing in Socket — Long Wear

Between Horns, 1 3/4 Inches — Weight Per Pair, 12 Ounces

	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair
Natural Finish Burnished	\$2.00	\$ .90	\$1.10
Chromium Plated	3.30	1.75	1.55

**NEW RIBBED SIDE PLATE ROWLOCKS — Fig. 1263**

Zamak Die Castings — With Delrin Bearing in Socket

Between Horns, 1 3/4 Inches — Weight Per Pair, 17 Ounces

	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair
Natural Finish Burnished	\$2.25	\$ .90	\$1.35
Chromium Plated	4.10	1.75	2.35

**IMPROVED NORTH RIVER ROWLOCKS — Fig. 1227**

Zamak Die Casting — With Delrin Bearing in Socket

Between Horns, 1 3/4 Inches — Weight Per Pair, 15 Ounces

	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair
Natural Finish Burnished	\$2.20	\$1.10	\$1.10
Chromium Plated	3.50	1.95	1.55

**IMPROVED NORTH RIVER ROWLOCKS — Fig. 1228**

Zamak Die Casting — With Delrin Bearing in Socket

Between Horns, 1 3/4 Inches — Weight Per Pair, 18 Ounces

	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair
Natural Finish Burnished	\$2.45	\$1.10	\$1.35
Chromium Plated	4.30	1.95	2.35

**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	\$1.50	\$ .95	\$ .55	1 3/4	1 1/8
1	1.65	1.10	.55	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 3/4	2 3/4



**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.	\$ 3.15	\$1.60	\$1.55	1¾	1¼
1 Galv.	3.25	1.65	1.60	2	1½
0 Pl. Bronze	4.70	2.60	2.10	1¾	1¼
1 Pl. Bronze	4.90	2.70	2.10	2	1½

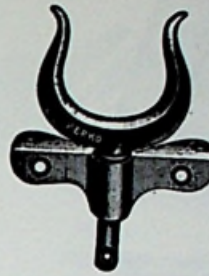


Fig. 646

**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.	\$2.40	\$1.85	\$ .55	2¼	1½
644 Galv.	3.25	1.85	1.40	2½	1½
643 Pl. Bronze	3.90	2.85	1.05	2¼	1½
644 Pl. Bronze	4.60	2.85	1.75	2½	1½
643 Pol. Bronze	7.00	4.85	2.15	2½	1½
643 Chrome Pltd.	8.50	5.75	2.75	2¼	1½



Fig. 643

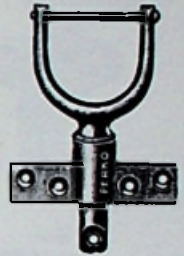


Fig. 644

**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	2¼	2¾

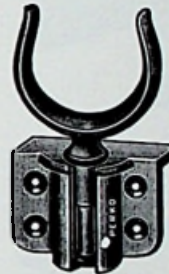


Fig. 641



Fig. 642

**ROUND SOCKET ROWLOCKS — Fig. 642**

Galvanized Malleable Iron

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Inside Diam. Inches	Weight Per Pair Pounds
0	\$2.10	\$1.55	\$ .55	2	1½
1	2.20	1.65	.55	2¼	1¼
2	3.00	1.90	1.10	2½	1½

**"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

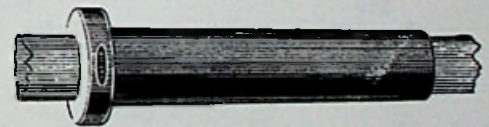


Fig. 648

**OAR LEATHERS AND BUTTONS — Fig. 233**

Russet Leather

	Per Pair
Complete, Leathers and Buttons	\$1.70
Leathers Only—7x6½ inches	1.40
Buttons Only—½x13 inches	.30



Fig. 233

**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**

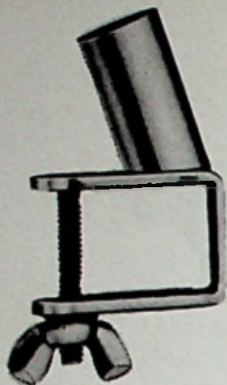


Fig. 277

*w/o*  
**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
\$3.95	3/4	1 1/2	4 1/2



Bow  
Fig. 1258



Stern  
Fig. 1259

*w/o*  
**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	\$1.10	3/4	3x2 1/4	2	4 1/2
1259	1.10	3/4	3x2 1/8	2 1/8	4 1/2



Stern  
Fig. 343

**UPRIGHT TYPE FLAG POLE SOCKETS — Fig. 343**  
 Zamak Die Castings — Chromium Plated  
 Drilled For No. 6 Screw

Each	Inside Diam. Inches	Size Base Inches	Height Overall Inches	Weight Ounces
\$1.10	3/4	3x2 1/4	2	4 1/2



Bow  
Fig. 218



Stern  
Fig. 219

**FLUSH TYPE FLAG POLE SOCKETS — Figs. 218 & 219**  
 Cast Bronze — Drilled for No. 8 Screw

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. 220



Stern  
Fig. 221

**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

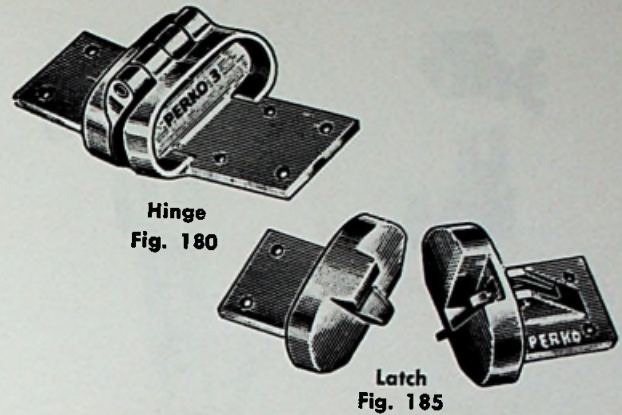
**WOOD RAIL HINGES AND LATCHES — Figs. 180 & 185**  
**Cast Bronze — Stainless Steel Pins**

Features improved type of spring latch on bottom

Fig. 180		Chromium Plated Each	Size Rail Inches	Length Overall Inches	Weight Pounds
No.					
1		\$9.25	2½x1¾	5	¾
2		9.85	2½x1¼	5½	1

Fig. 185		Chromium Plated Each	Size Rail Inches	Length Overall Inches	Weight Pounds
No.					
1		\$8.85	2¾x1¾	5	1¼
2		9.45	2¾x1¼	5½	1¼



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
2¼x1¼	3¾x2	3	3

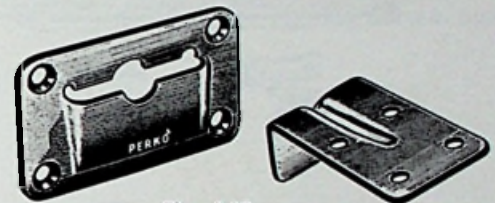


Fig. 148

★  
**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 ¼" x 1½" carriage bolts with wing nuts.

Each	Length Box Inches	Width Box Inches	Depth Box Inches	Weight Pounds
\$5.50	10½	7¾	2¾	2¼



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	1½	1	2

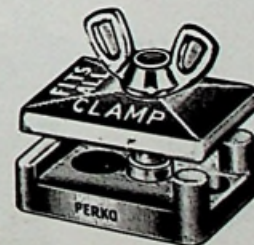


Fig. 1275

★  
**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	9¼	5	2¾x9¼	1

Drilled fin supplied unless otherwise specified.



Fig. 189

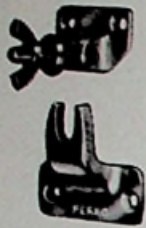
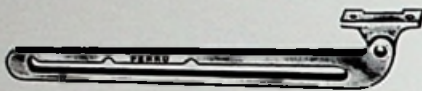


Fig. 967



Fig. 697



Side Mounting  
Fig. 1290



Offset Mounting  
Fig. 1291

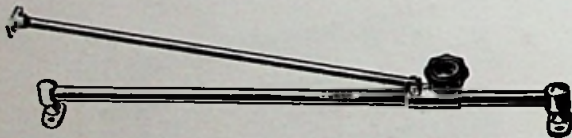


Fig. 360

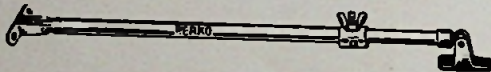
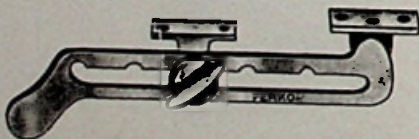


Fig. 1180



Port Side  
Fig. 82

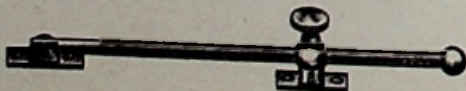


Fig. 1116

**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
\$4.75	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 3/4	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
\$10.00	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

Thumb Screws Only — Polished Bronze \$1.65 each  
Chromium Plated 1.85 each

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	\$6.75	\$7.40	8	3/8	11
2	6.90	7.55	10	3/8	12
3	7.05	7.70	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 1/2	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.

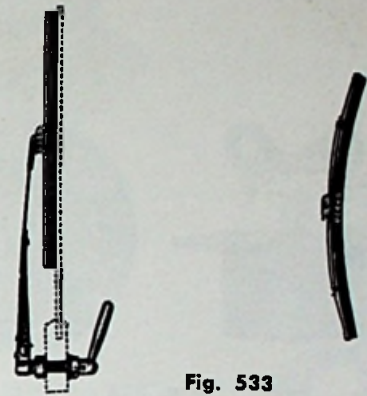


Fig. 533

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	3/8	1 1/2 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

**IMPROVED FENDER HOOKS — Fig. 1246**

Zamak Die Casting — Chromium Plated

Redesigned to more modern lines and has lip to keep fender line from jumping out.

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 3/4	4 1/2

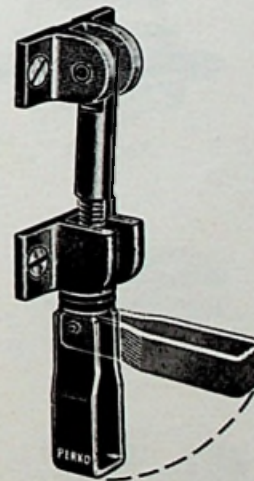


Fig. 769

**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	\$6.60	\$ 8.45	3 1/4	1 3/8	1	1 1/4
2	9.60	11.65	3 3/4	2 1/4	1 1/2	2

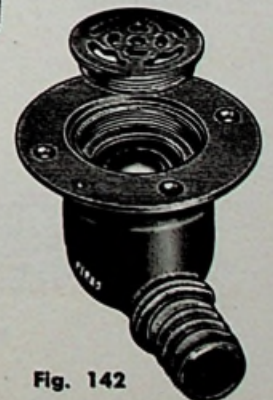


Fig. 142

**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 ¾ 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.

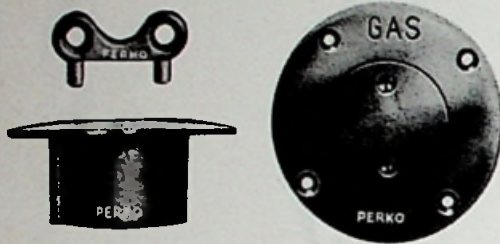


Fig. 528

Pipe Size Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Keys Only Each	Outside Diam. Plate Inches	Weight Pounds
¾	\$ 3.30	\$ 4.65	\$.25	2½	½
1	3.65	5.00	.30	2¾	¾
1¼	4.40	6.10	.30	3¼	¾
1½	5.25	6.95	.30	3¾	1
2	7.25	9.00	.45	4¼	1½
2½	9.75	11.50	.45	4¾	2
3	12.75	14.75	.55	5¾	2½

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	2½	½
1½	3.55	5.25	.35	3¼	¾
2	3.85	5.75	.35	3¾	¾
2½	5.25	7.00	.65	4¼	1
3	6.50	8.50	.65	4¾	1½
3½	8.00	10.00	.70	5½	1¾
4	10.00	12.25	.70	5¾	2
5	14.00	16.50	.85	7¼	2¾
6	20.00	23.00	1.55	8¾	5
8	30.00	35.00	2.20	10¾	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	3¾	¾
2½	7.50	10.00	11.00	4¼	1¼
3	8.50	11.00	12.00	4¾	1¾
3½	10.00	12.50	13.50	5¼	2
4	13.00	15.50	16.50	5¾	2½
5	17.00	20.00	21.50	7¼	3¾
6	25.00	28.50	30.00	8¾	6¼
8	37.50	42.50	45.50	10¾	8¾

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	2¼	\$12.50
4	3½	18.75
5	4½	23.00
6	5	27.50
8	7	36.25
10	9¼	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

Will fit all sizes of deck plates up to 8 inch diameter, making it unnecessary to have separate keys for each plate.

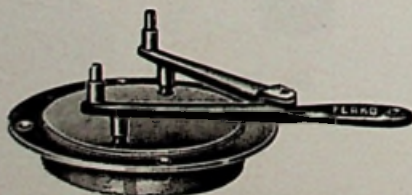


Fig. 826

Each	Length Overall Inches	Weight Pounds
\$2.65	8½	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 3/8	1 3/8	3 1/4	4 x 4	11

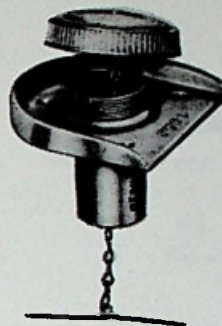


Fig. 1276

**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 1/8	3 3/8	7	9 1/2	6



Fig. 1245

**GAS TANK CAP — Fig. 520**

Cast Bronze — Chromium Plated

No.	Each	Threaded for Pipe Inches	Height Overall Inches	Diam. Deck Flange Inches	Screw No.	Weight Ounces
1	\$6.50	1 1/2	13/16	3 1/4	8	9 1/2
2	8.50	2	13/16	3 7/8	8	15

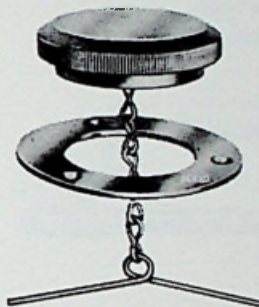


Fig. 520

**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



Fig. 531

**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.

Fig.	Size No.	Natural Finish Each	Chromium Plated Each	Pipe Size Inches	Hose Size Inches	Max. Wood Thickness Inches	Weight Ounces
506		\$1.35	\$1.60	3/8	7/16	1	2
509	1	2.20	2.75	3/8	7/16	1	4
509	2	2.75	3.75	1/2	5/8	1 5/16	6

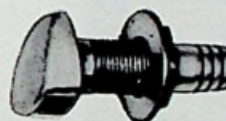


Fig. 506

Zamak Die Casting  
Fig. 509  
Cast Bronze

**GAS TANK VENTS — Fig. 503**

Cast Bronze — With Flanged Elbow — Bronze Wool Screen

No.	Plain Each	Chromium Plated Each	Neck Pipe Size Inches	Elbow Pipe Size Inches	Max. Wood Thickness Inches	Weight Ounces
1	\$2.60	\$3.25	3/8	3/8 x 3/8	1	5 1/2
2	2.60	3.25	3/8	3/8 x 1/2	1	5 1/2
3	3.00	4.10	1/2	1/2 x 1/2	1	6

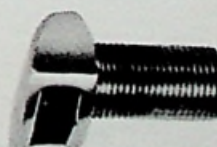


Fig. 503

**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. 81

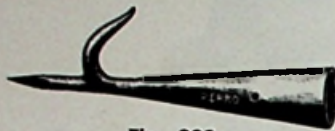


Fig. 223

**BOAT HOOKS — Fig. 223**

**Sharp Points — Galvanized Malleable Iron**

Size No.	Galvanized Each	For Diam. Pole Inches	Extreme Length Inches	Weight Ounces
1	\$1.80	1 1/4	8 1/4	12
2	2.45	1 1/2	9 3/8	16



**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 1/2		\$2.45	\$4.35	\$4.90	1	7 3/8	9
4	\$2.40	2.90	4.60	5.20	1 1/4	8 1/4	12
5	2.50	3.25	5.50	6.25	1 1/2	9 3/8	18

NOTE—Pole end is measured by outside diameter to fit flush with surface of pole.



**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.

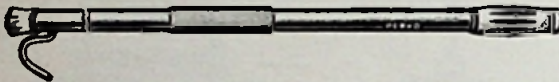


Fig. 226

Length Overall Feet	Each	Diameter Pole Inches	Weight Pounds
5	\$6.95	1	1 5/8
6	7.60	1	2
7	8.25	1	2 1/2

Special lengths made to order, price on application.



**BOAT HOOK HOLDERS — Fig. 490**

**Spring Brass**

Will accommodate poles up to 1 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 1/2	1	6	12 pr.	1 1/2



**BOAT HOOK HOLDERS — Fig. 492**

**18-8 Stainless Steel — Polished**

Will accommodate poles up to 1 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 1/2	1	6	12 pr.	1 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	3/8 to 1 1/4	1 1/2	1/2	6	2
2	1.10	1 to 1 3/4	2 1/4	3/8	6	2 1/2



**"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 1/4	2 3/8	1

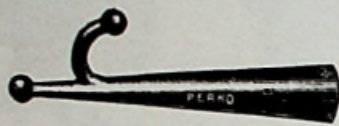


Fig. 224

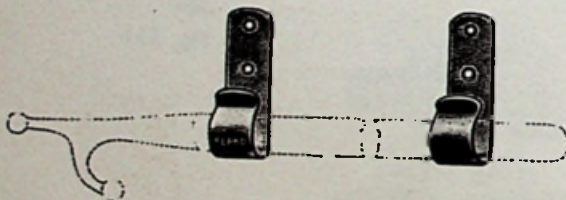


Fig. 490 Brass  
Fig. 492 Stainless Steel

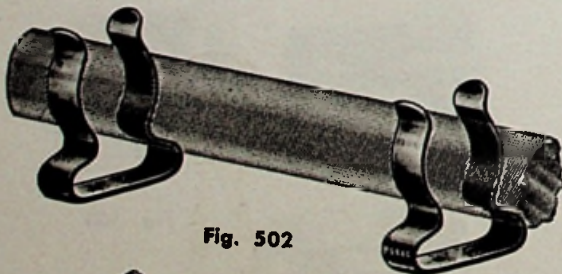


Fig. 502



Fig. 525



**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.

**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	\$1.00	1 3/4	1 3/8 x 1 3/8	10	6 1/2	6
1208	.90	1 3/4	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	3/8	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	5/8

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.



Fig. 1207 End Posts  
Fig. 1208 Center Posts



Fig. 432 End Posts  
Fig. 432-A Center Posts

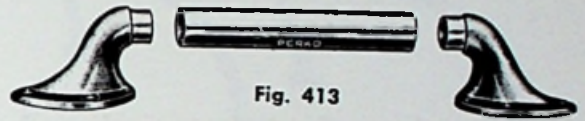


Fig. 413



Fig. 413-A Center Posts

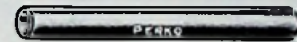


Fig. 498



Center

End

Fig. 215



Fig. 380

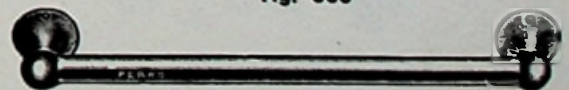


Fig. 379

## NEW "PERKO" BOW RAILS

18-8 Polished Stainless Steel Tubing — Non Corrosive —  
 Chromium Plated Cast Bronze Fittings — Non-Magnetic —  
 Can Be Quickly Adjusted To Fit Almost Any Boat —  
 Tubing Is  $\frac{7}{8}$ " O.D. 18 Gauge .049 Wall — All Fittings  
 Supplied With Stainless Steel Allen Set Screws And Wrench

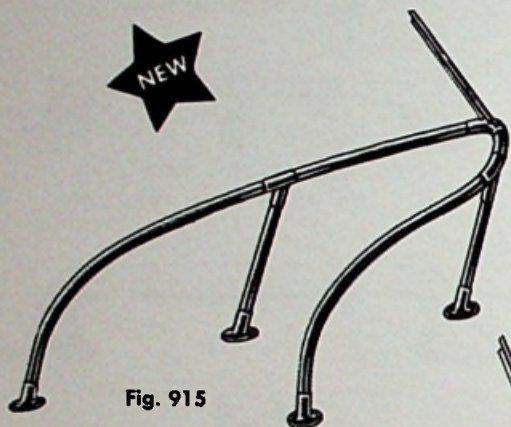


Fig. 915

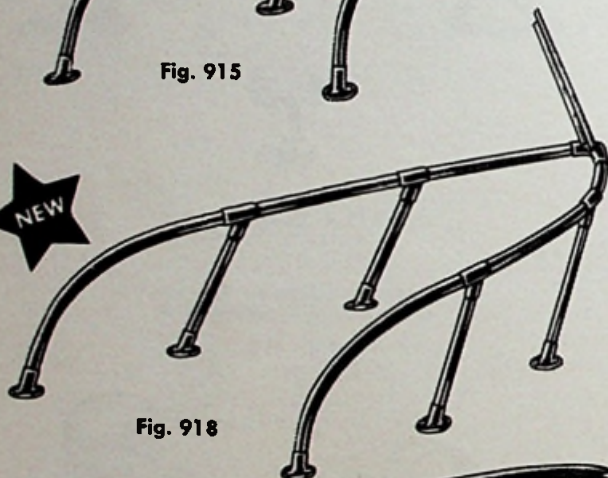


Fig. 918

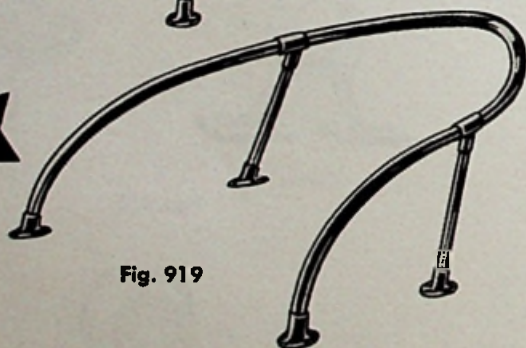


Fig. 919

## 2 STANCHION TYPE — Fig. 915

With Bow Form and  $\frac{3}{4}$ " Flag Pole Socket

No.	Each	Dimensions at "A" Inches	Dimensions at "B" Inches	Dimensions at "C" Inches	Weight Pounds
1	\$54.50	7	30	44-50	8
2	59.50	10	41	55-61	9
3	63.50	14	50	59-65	10 1/2
4	69.50	17	54	74-86	12

Flag Staff Not Included, See Figs. 495, 496, 1230.



## 3 STANCHION TYPE — Fig. 918

With Bow Form and  $\frac{3}{4}$ " Flag Pole Socket

No.	Each	Dimensions at "A" Inches	Dimensions at "B" Inches	Dimensions at "C" Inches	Weight Pounds
1	\$105.00	22	68	76-88	16 1/2
2	108.00	22	78	92-104	18
3	109.00	24	80	98-110	18 1/2

Flag Staff Not Included, See Fig. 495, 496, 1230.



## 2 STANCHION TYPE — Fig. 919

One Piece Rail Tubing — No Bow Form — No Flag Pole Socket.

No.	Each	Dimensions at "A" Inches	Dimensions at "B" Inches	Dimensions at "C" Inches	Weight Pounds
1	\$63.00	17	48	65-71	9
2	64.00	24	48	65-71	9 3/4

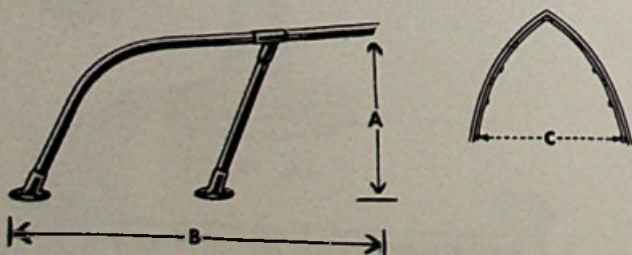
Flag staff socket to fit, see Fig. 277



Fittings for above rails are Fig. 990 angle tee and Fig. 992 angle round base. Rails can be supplied with angle rectangular base Fig. 981. Add difference in price of each base.

Above rails are standard stock styles and sizes. Special rails can be supplied to order in minimum quantities of 12 of a size and type. Drawing and template must be sent showing all details such as A, B and C Dimensions and Fig. No. of fittings illustrated.

Note — the set screws supplied have sharp cup points. It is not necessary to drill holes in tubing when assembling.



**NEW "PERKO" STERN RAILS — Fig. 944**

18-8 Stainless Steel Tubing — Chromium Plated Cast Bronze Fittings  
 Tubing is 7/8" O.D. 18 Gauge .049" Wall  
 Fittings Have Stainless Steel Allen Set Screws

Each	Dimensions at "A" Inches	Dimensions at "B" Inches	Dimensions at "C" Inches	Weight Pounds
\$79.75	12	90	24	12 1/2

Fittings for this rail are Fig. 989 Straight Tee, Fig. 992, Angle Round Base and Fig. 973, Straight Round Base. Can be supplied with Fig. 981 Angle Rectangular Base and Fig. 977 Straight Rectangular Base. Add difference in price of each base.

Special stern rails to order in minimum quantities of 12 of a size. Supply drawing and template.

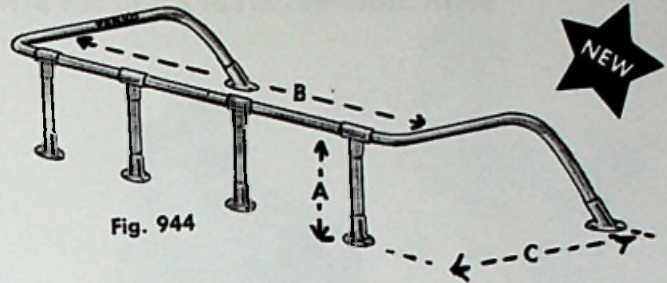


Fig. 944



**NEW "PERKO" SIDE CABLE RAILS — Fig. 942**

18-8 Stainless Steel 7/8" Tubing — Chromium Plated Cast Bronze Fittings — Nylon Covered Wire Cable — Stainless Steel Cable Connectors — Bronze Turnbuckle. Stainless Steel Allen Set Screws.

No.	Each	Number of Stanchions	Height Stanchions Inches	Length Cable Feet	Weight Pounds
1	\$152.00	6	27	17 1/2	17
2	187.00	8	27	23	22

Fittings for these rails are Fig. 1039 Cap, Fig. 988 Offset Base, Fig. 999, Cable Anchor, Fig. 1004 Jaw Slide, Fig. 1046 Turnbuckle, Fig. 1026 Cable Connector and Fig. 760 Nylon Covered Aircraft Cable.

Special side rails to order in minimum quantities of 12 of a size, supply drawing and specifications.

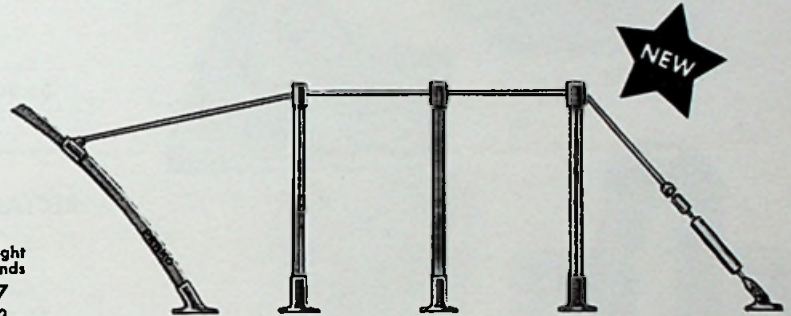
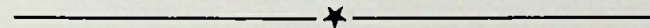


Fig. 942  
 Illustration of 6 stanchion rail 3 for each side



**NEW "PERKO" GRAB RAILS — Fig. 936**

18-8 Stainless Steel 7/8" Tubing — Chromium Plated Brass Ends — Chromium Plated Cast Bronze Bases — Stainless Steel Screws.

No.	Each	Length Overall Inches	Height Under Tubing Inches	Weight Pounds
1	\$11.75	12	1 1/4	1
2	12.85	18	1 1/4	1 3/8
3	13.95	24	1 1/4	1 3/4
4	16.15	36	1 1/4	2 1/2

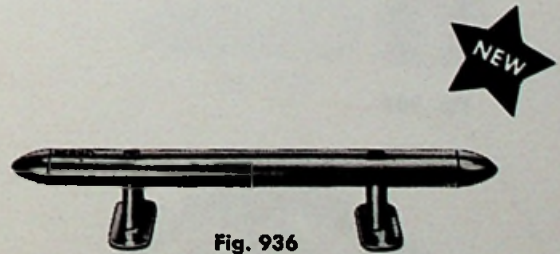


Fig. 936



**NEW "PERKO" RAIL FITTINGS**

**Cast Bronze — Polished Chromium Plated**

**With Stainless Steel Allen Set Screws — Drilled and Countersunk 1/4"x20**



Fig. 992



Fig. 973

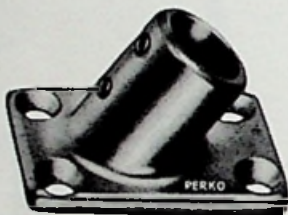


Fig. 981

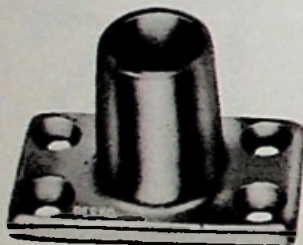


Fig. 977

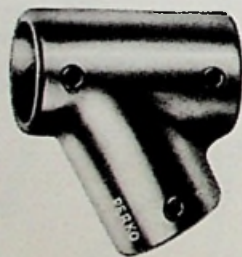


Fig. 990



Fig. 989

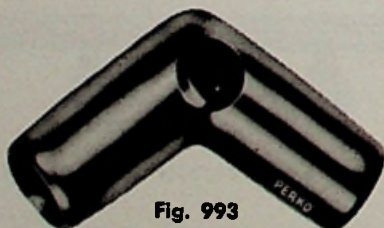


Fig. 993

**ROUND ANGLE BASE — Fig. 992**

Each	For Tubing Inches	Diameter Base Inches	Height Inches	Weight Ounces
\$5.50	7/8	2 5/8	1 3/4	8

**ROUND STRAIGHT BASE — Fig. 973**

Each	For Tubing Inches	Diameter Base Inches	Height Inches	Weight Ounces
\$5.30	7/8	2 5/8	1 5/8	7

**RECTANGULAR ANGLE BASE — Fig. 981**

Each	For Tubing Inches	Dimensions Base Inches	Height Inches	Weight Ounces
\$5.80	7/8	2 7/8 x 1 3/4	1 3/4	8

**RECTANGULAR STRAIGHT BASE — Fig. 977**

Each	For Tubing Inches	Dimensions Base Inches	Height Inches	Weight Ounces
\$5.40	7/8	2 3/4 x 1 3/4	1 5/8	6 1/2

**ANGLE TEE — Fig. 990**  
Right or Left Hand

Each	For Tubing Inches	Length Inches	Height Inches	Weight Ounces
\$4.80	7/8	2	2 3/16	6

**STRAIGHT TEE — Fig. 989**

Each	For Tubing Inches	Length Inches	Height Inches	Weight Ounces
\$4.80	7/8	2	2	6

**BOW FORM — Fig. 993**  
With 3/4" Flag Pole Socket

Each	For Tubing Inches	Width Overall Inches	Angle Degree	Weight Ounces
\$8.00	7/8	4 1/4	110	12 1/2



**NEW "PERKO" RAIL FITTINGS**  
**Cast Bronze — Polished Chromium Plated**

**OFFSET BASE — Fig. 988**  
**Heavy Duty — With S.S. Allen Set Screws**

Each	For Tubing Inches	Dimensions Base Inches	Height Inches	Weight Ounces
\$9.50	7/8	3 7/8 x 2 1/2	3 1/2	20 1/2



Fig. 1039

**CAP — Fig. 1039**  
**For Side Cable Rails —**  
**With Stainless Steel Allen Set Screw**

Each	For Tubing Inches	Height Inches	Outside Diameter Inches	Weight Ounces
\$3.50	7/8	1 3/8	1 1/8	3



Fig. 988

**CABLE ANCHOR — Fig. 999**

Each	Dimensions of Base Inches	Height Inches	Pin Hole Inches	Weight Ounces
\$3.20	2 5/8 x 1 5/8	1 1/8	3/8	4



Fig. 999

**JAW SLIDE — Fig. 1004**  
**With 1/4" R.H. Tightening Bolt**

Each	For Tubing Inches	Dimensions Inches	Weight Ounces
\$3.25	7/8	1 7/8 x 1	4



Fig. 1004

**TURNBUCKLE — Fig. 1046**  
**With Jaw and Wire Socket —**  
**Bronze Turnbuckle — S.S. Socket**

Each	Size Inches	Width Jaw Inches	Diameter Pin Inches	Weight Ounces
\$8.50	1/4	1/4	1/4	3

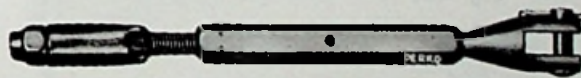


Fig. 1046

**CABLE CONNECTOR — Fig. 1026**  
**With Eye and Cable Socket — Stainless Steel**

Each	Length Overall Inches	Diameter Eye Inches	Weight Ounces
\$4.50	2	1/4	1

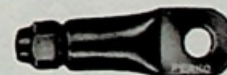


Fig. 1026

**STAINLESS STEEL TUBING — Fig. 916**  
**18-8 Non Magnetic — Polished — 7/8" O.D. — .049 Wall**

Length Feet	Each	Weight Pounds
4	\$ 8.00	1 1/2
8	16.00	3
12	24.00	4 1/2

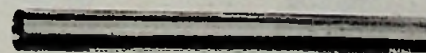


Fig. 916

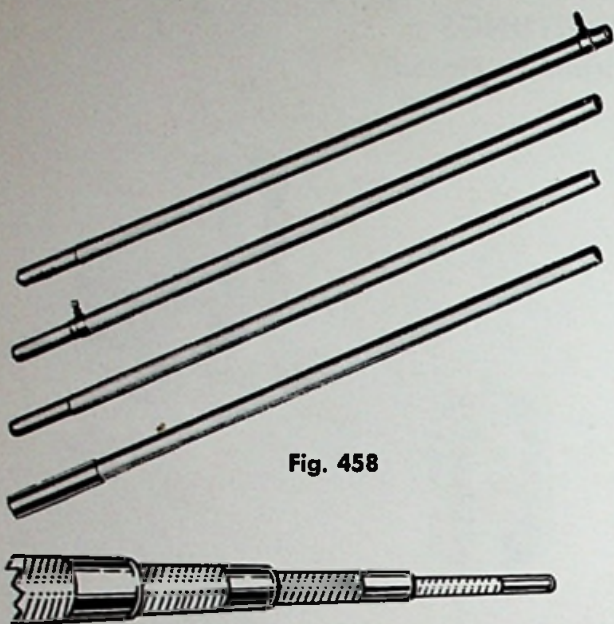


Fig. 458



Fig. 460

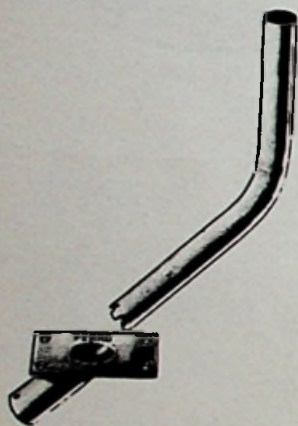


Fig. 451

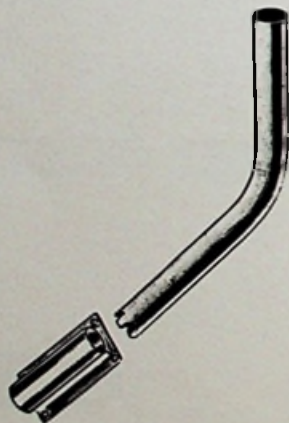


Fig. 444



Fig. 448

**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	\$42.00	1 1/8	16	1 1/4

Note: Replacement section available, \$6.50 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 Each	Spare Plates Each	Inside Diameter Tube Inches	Dimensions Plate Inches	Weight Per Pair Pounds
1	\$33.00	\$ 7.50	\$9.50	1 1/8	5x2 1/2	5 1/2
2	37.00	9.50	9.50	1 1/4	5x2 1/2	5 7/8
3	43.00	12.50	9.50	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 Each	Spare Plates Each	Inside Diameter Tube Inches	Dimensions Plate Inches	Weight Per Pair Pounds
1	\$37.00	\$ 7.50	\$11.50	1 1/8	5x2 1/2	5 3/4
2	41.00	9.50	11.50	1 1/4	5x2 1/2	6
3	47.00	12.50	11.50	1 3/8	5x2 1/2	7

A pair consists of 2 plates and 2 holders.

Spare "Holders Only" Specify Port or Starboard



**DECK MOUNTING FISHING POLE HOLDER — Fig. 448**

Cast Bronze — Chromium Plated

For mounting in covering board or catwalk. Has polyvinyl 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	\$ 9.25	1-7/8	9	4 x 3 1/8	1 1/2
2	10.75	1-3/4	9	4 x 3 1/8	2 1/2
3	14.75	2-3/32	11	5 1/8 x 4	2 1/4

Note: Subtract 3/16 from above dimensions to allow for liner.

**NEW HEAVY DUTY  
OUTRIGGER POLE HOLDERS — Fig. 445**

**Heavy Brass Tubing — Cast Bronze Fittings —  
All Chromium Plated**

Made to take the strain and produce the results desired in deep sea sport fishing.

The type of mounting and quick easy method of adjustment are features of great merit.

The sliding clamp and large strong knob provide quick adjustment of angle for fishing, cruising or passing under bridges, a folding hook is supplied for supporting the holder when in down position.

No.	Per Pair	Diameter Outrigger Tube Inches	Length Outrigger Tube Inches	Weight Per Pair Pounds
1	\$140.00	2	18 1/2	18 1/2
2	155.00	2	36	22

No. 1 will support poles about 22 feet long.  
No. 2 for poles about 25 or more feet long.



Fig. 445

**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 1/4	2

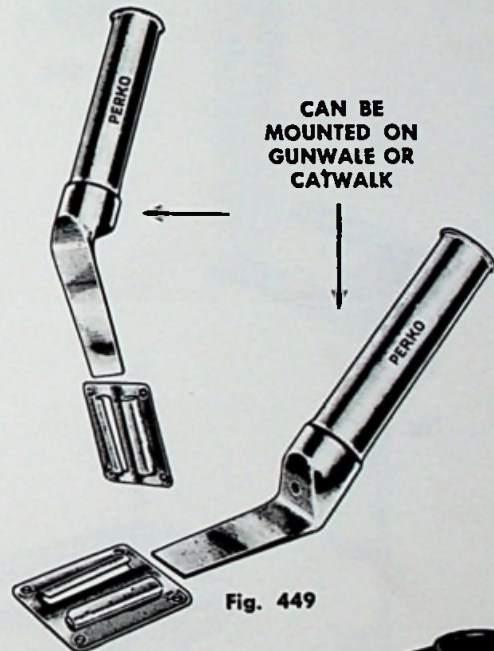


Fig. 449

**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	\$1.90	1 1/8	8 3/4	3 3/8	5 1/2
2 Brass, C.P.	5.00	1.90	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 neutral grey color. Two stainless steel 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 1/4	2	3 1/4	12

Spare brackets, \$1.90 per pair.



Fig. 1104



Fig. 475

**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 $\frac{1}{8}$	9 $\frac{1}{2}$	3 $\frac{3}{8}$ x2 $\frac{1}{4}$	3 $\frac{3}{4}$



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	1 $\frac{5}{8}$	1	4 $\frac{1}{2}$	1 $\frac{3}{4}$



Fig. 481

**GIMBAL FISHING ROD SOCKETS — Fig. 481**  
Aluminum — Bright Etch Finish

For attaching to chairs, seats, benches, etc.

Each	Inside Diameter Inches	Length Brackets Inches	Depth Socket Inches	Weight Ounces
\$6.00	1 $\frac{1}{8}$	2 $\frac{1}{2}$	2 $\frac{3}{4}$	7

A pair of aluminum "U" bolts for attaching above socket to tubular chairs is available. Specify Fig. 481-A \$1.25 per pair.

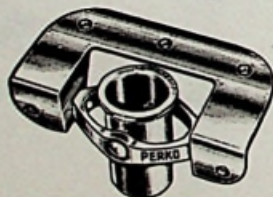


Fig. 560

**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	1 $\frac{5}{8}$	6 $\frac{3}{4}$ x 3 $\frac{1}{4}$	2 $\frac{1}{2}$

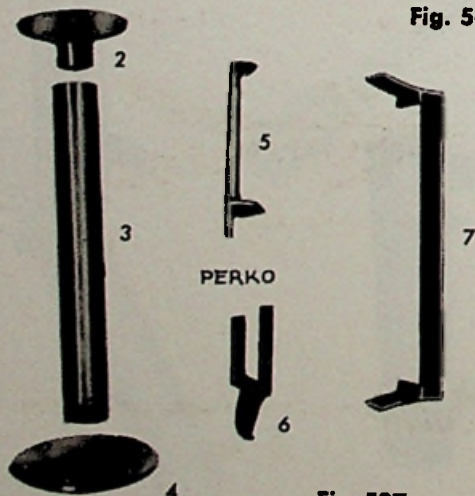


Fig. 587

**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	2 $\frac{1}{2}$
3	Pedestal—2 Inch Pipe		\$14.00	\$17.00	1	5 $\frac{1}{4}$
4	Deck Flange Complete		14.00	15.00	1	3 $\frac{3}{4}$
5	Arm Supports		4.50	5.00	4	$\frac{7}{8}$
6	Back Rest Sockets		3.80	4.10	2	$\frac{1}{2}$
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

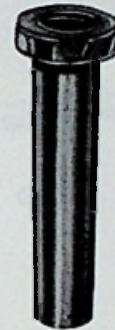


Fig. 648

**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

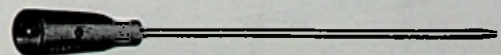


Fig. 655

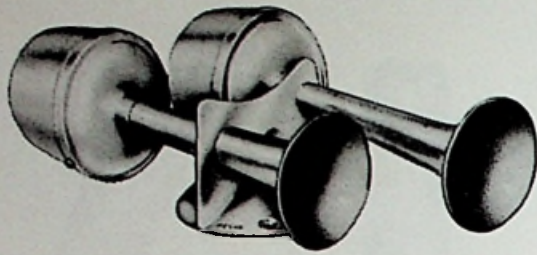


Fig. 614

**"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

**"SEA TONE" HORN — Fig. 576**

**All Brass — Chromium Plated — Watertight Weatherproof — Resonating — 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.

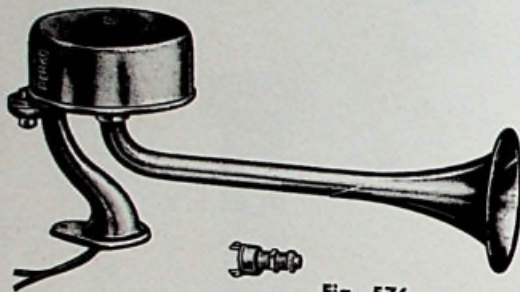


Fig. 576

Volts	Each	Extreme Length Inches	Extreme Height Inches	Weight Pounds
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.

**RELAYS — Fig. 273**

Available if required in 6 or 12 volts. Each — \$2.25

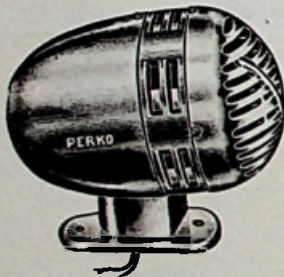


Fig. 1117

**"SEA-MITE" MARINE SIREN — Fig. 1117**

**Die Cast Body and Base — Chromium Plated — 12 Volts**

A siren of fine tone quality, dependability and performance. Furnished complete with 10 feet of cable and heavy duty push button.

12 Volt Each	Length Inches	Height Inches	Diam. Inches	Weight Pounds
\$51.75	7	6	4½	4¼

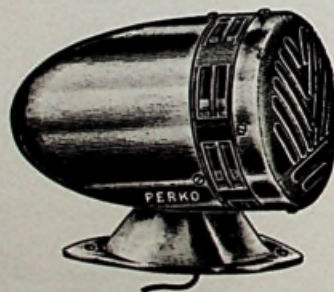


Fig. 1118

**"YACHTSMAN" MARINE SIREN — Fig. 1118**

**Heavy Duty — Die Cast Body and Base — Chromium Plated — 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.

12 Volt Each	32 Volt Each	Length Inches	Height Inches	Diam. Inches	Weight Pounds
\$91.75	\$97.00	10⅞	7½	5¾	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	2¾	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	2½
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	5⅝	1⅝
8	12.75	15.50	17.50	7¼	27/8



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	6⅝	8

Wall Plate Only

6	\$2.65	\$3.25	2½	⅓
8	2.65	3.25	2½	⅓



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	10½	22
12	103.00	114.00	12	38

Wall Plate Only

8	\$2.65	\$3.25	2½	⅓
10	5.00	5.60	3⅞	1
12	5.00	5.60	3⅞	1



Fig. 150

**FOG HORNS — Fig. 162**

Galvanized Steel or Brass

Length Overall Inches	Galvanized Steel Each	Polished Brass Each	Weight Per Dozen Pounds
15	\$3.00	\$4.25	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	1¾	1

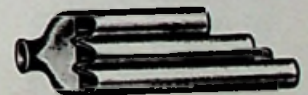


Fig. 167

**POLICE OR SIGNAL WHISTLE — Fig. 349**

Brass — Nickel Plated

Per Dozen	Length Inches	Width Inches	Weight Per Doz. Ounces
\$17.40	2	¾	17



Fig. 349

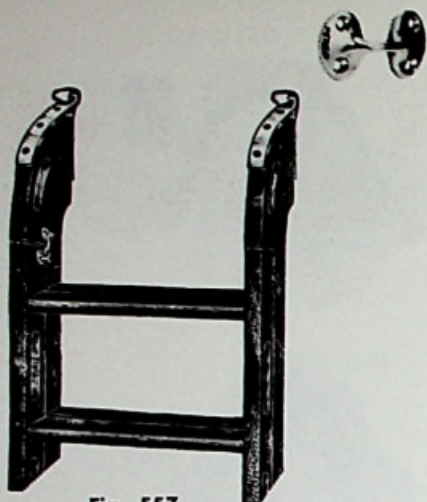


Fig. 557

**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.

No.	With Chromium Plated Fittings Each	Overall Length Open Inches	Overall Length Closed Inches	Overall Width Inches	Weight Pounds
1	\$72.00	36	21½	15	9½
2	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.

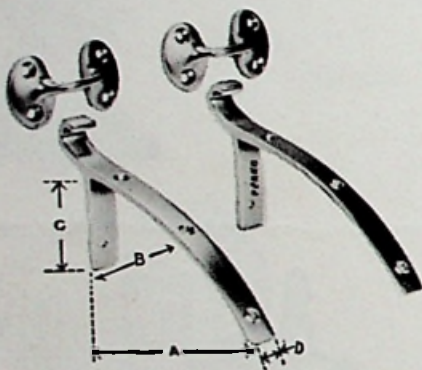


Fig. 717

**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
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

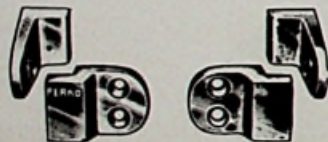


Fig. 669

Height Inches	Length Socket Inches	Length Bracket Inches	Weight Per Set Ounces
1¼	1	1¼	12
Plain Bronze Per Set		Chromium Plated Per Set	
\$2.75		\$6.00	
Spare Sockets		Only Chromium Plated Per Pair	
Plain Bronze Per Pair		\$2.80	
\$1.75			

A set consists of four pieces illustrated.

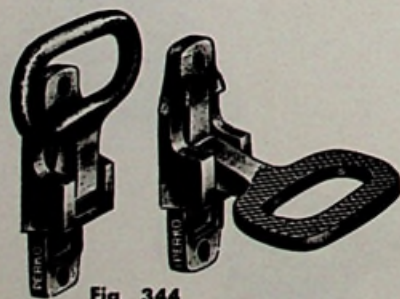


Fig. 344

FOLDED

OPEN

**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	4¼x1¾	¾	1½

**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

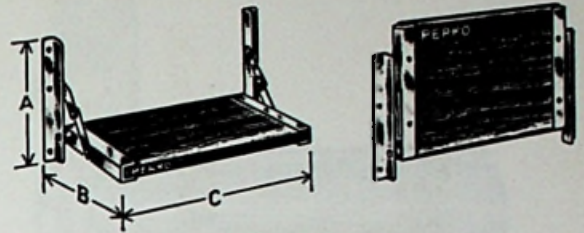


Fig. 543

**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	13½ x 9	¾	5½

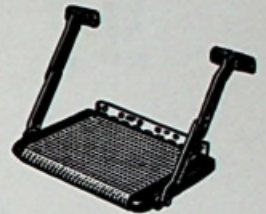


Fig. 602

**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 4¼	6 x 2	1 5/8
501	9.00	11.50	11 x 4½	11 x 2	2 7/8



Fig. 351



Fig. 501

**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	1¾ x 1¼	3	5¾



Fig. 795

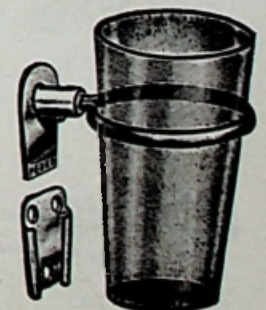


Fig. 799 Glass Holder

**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	1¾ x 1¼	2¾	3½
804	5.00	1¾ x 1¼	2¾	5

Spare Mounting Plates, \$1.75 each.

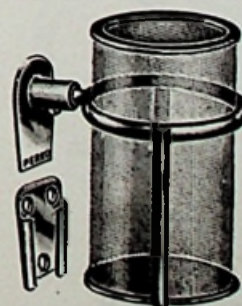


Fig. 804 Beer Can Holder

**NYLON COVERED TILLER ROPE — Fig. 760**  
**7x8 Aircraft Cable — Very Flexible**

The nylon coating cushions the wires against abrasion and protects them against oils, detergents, alkalis and oxidizing acids.



Fig. 760

Outside Diameter Inches	Per 100 Feet	Core Diameter Inches	Breaking Strength Pounds	Weight Per 100 ft. Pounds
$\frac{7}{8}$	21.00	$\frac{3}{2}$	1000	3.6

Supplied in 250 foot reels.



**VINYL COVERED TILLER ROPE — Fig. 857**

Outside Diameter Inches	Per 100 Feet	Core Diameter Inches	Breaking Strength Pounds	Weight Per 100 ft. Pounds
$\frac{7}{8}$	\$12.00	$\frac{3}{2}$	1000	2.6

Supplied in 250 foot reels or cartons of 10-35 foot coils.



**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.

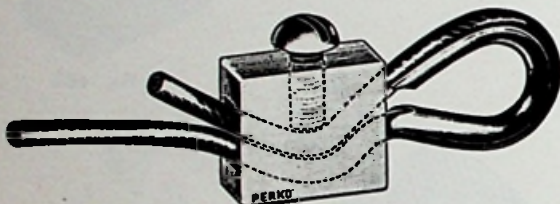


Fig. 377

Each	Dimensions Inches	Packed Per Box	Weight Ounces
\$.43	$1\frac{1}{2} \times 1 \times \frac{3}{16}$	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
$\frac{1}{8}$	\$.22	\$.30	$1\frac{1}{8}$	$\frac{3}{16}$	$\frac{3}{4}$
$\frac{3}{16}$	.26	.34	$1\frac{1}{4}$	$\frac{1}{8}$	1
$\frac{1}{4}$	.35	.45	$1\frac{1}{2}$	$\frac{3}{8}$	$1\frac{3}{4}$

Packed per box 50 pieces.



**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	$1\frac{3}{4}$
$\frac{3}{16}$	.30	.44	$\frac{3}{4}$	$1\frac{1}{4}$	20	2
$\frac{1}{4}$	.35	.60	1	$1\frac{1}{4}$	20	3



**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	$1\frac{1}{8}$	$4\frac{1}{2}$

Packed per box 25 pieces.

**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.



Fig. 1226



Fig. 358

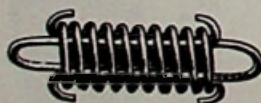


Fig. 732

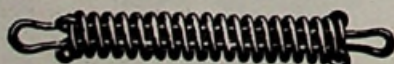


Fig. 754

**TILLER ROPE GUIDES — Fig. 359**  
**Forged Bronze**

*w/o*

Dull Bronze Each	Chromium Plated Each	Size Hole Inches	Size Base Inches	Weight Ounces
\$ .35	\$ .45	$\frac{3}{8}$	$1\frac{1}{2} \times \frac{3}{4}$	$\frac{3}{4}$

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
\$ .35	$\frac{3}{8}$	$1\frac{1}{2} \times \frac{3}{4}$	6	$\frac{1}{2}$	25



Fig. 1256

**TILLER ROPE GUIDES — Fig. 599**  
**Bronze Oval Plate**

*w/o*

No.	Plain Bronze Each	Size Hole Inches	Size Base Inches
1	\$ .35	$\frac{3}{8}$	$1\frac{3}{8} \times \frac{7}{8}$

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
\$ .35	$\frac{3}{8}$	$1\frac{1}{2} \times \frac{3}{4}$	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**

Brass Each	Fig. 229 Chromium Plated Each	Brass Each	Fig. 932 Chromium Plated Each	Size Hole Inches	Length Inches	Weight Ounces
\$ .07	\$ .10	\$ .08	\$ .11	$\frac{3}{8}$	$1\frac{1}{8}$	$\frac{1}{3}$

Packed per box, 50 pieces.



Fig. 229



Fig. 932

**RINGS — Fig. 417**  
**Polished Brass**

Inside Diam. Inches	Thickness Inches	Per Dozen	Inside Diam. Inches	Thickness Inches	Per Dozen
$\frac{1}{2}$	$\frac{3}{32}$	\$1.20	$1\frac{1}{2}$	$\frac{3}{16}$	\$3.20
$\frac{3}{8}$	$\frac{3}{32}$	1.20	$1\frac{1}{2}$	$\frac{3}{32}$	3.60
$\frac{3}{4}$	$\frac{3}{32}$	1.65	$1\frac{3}{4}$	$\frac{3}{32}$	4.80
$\frac{7}{8}$	$\frac{3}{32}$	1.95	2	$\frac{1}{4}$	6.20
1	$\frac{3}{32}$	2.60			



Fig. 417

**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	$1\frac{1}{4}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{4}$
28	.25	$2\frac{3}{8}$	$\frac{3}{8}$	$\frac{3}{8}$	$\frac{1}{4}$



Fig. 154



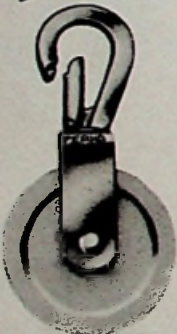
Figs. 564 & 565



Figs. 1241 & 1277



Figs. 611 & 634



Figs. 1288 & 1296



Fig. 1255



Fig. 617

**TILLER ROPE PULLEYS**

Swivel Type with White Nylon Sheave  
For Tiller Rope Up To 5/16 Inch Diameter

Stainless steel used in these pulleys is type No. 304 non-magnetic 18-8.

**POLISHED STAINLESS STEEL  
BODY, EYE AND STRAP — Fig. 564, 565**

Fig.	Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Weight Ounces
564	\$ .75	3	1 3/4	1 5/8	1 1/2
565	.80	3 3/4	2 3/8	1 7/8	2

Without strap, deduct \$.08 each.

**CHROMIUM PLATED ZAMAK  
DIE CAST BODY, EYE AND STRAP — Fig. 1241, 1277**

Fig.	Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Weight Ounces
1241	\$1.00	3 1/4	1 3/4	1 7/8	3
1277	1.25	4	2 3/8	1 7/8	3 1/2

Without strap, deduct \$.15 each

**POLISHED STAINLESS STEEL BODY WITH IMPROVED  
CHROMIUM PLATED ZAMAK DIE CAST SNAP —  
Figs. 611, 634**

Fig.	Complete Each	Length Overall Inches	Snap Throat Opening Inches	Diam. Sheave Overall Inches	Weight Ounces
611	\$1.35	4 1/8	1/2	1 3/4	3 1/2
634	1.40	4 7/8	1/2	2 3/8	3 1/2

See note below.

**CHROMIUM PLATED ZAMAK  
DIE CAST BODY AND IMPROVED SNAP —  
Figs. 1288, 1296**

Fig.	Complete Each	Length Overall Inches	Snap Throat Opening Inches	Diam. Sheave Overall Inches	Weight Ounces
1288	\$1.35	4 1/8	1/2	1 3/4	3 1/2
1296	1.60	5	1/2	2 3/8	4

Note — The improvement in the snap is an interlocking tongue and body when closed, less chance of hook opening or spreading under strain.

**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 1/4	3/8	3 1/2 x 1 3/8	10	2
2	1.10	2 3/4	3/8	4 7/8 x 1 1/4	10	2 1/2

**COAMING PULLEYS — Fig. 617  
Cast Bronze Or Cast Aluminum — With Nylon Sheave**

No.	Diam. Sheave Inches	For Diam. Rope Inches	Dimensions of Plate Inches	For No. Screw	Weight Bronze Ounces
1	1 3/4	3/8	3 3/4 x 1 3/8	10	4
2	2 3/4	3/8	4 1/4 x 1 3/8	10	6

Polished Aluminum Each

\$1.15

Plain Bronze Each

\$1.20  
1.70

Chromium Plated Each

\$2.25  
2.75

*w/p* No. 1 2



**EYE STRAPS — Fig. 562**  
18-8 Stainless Steel

Each	Length Inches	Size Eye Inches	For Screw No.	Weight Ounces	Packed Per Box
\$.08	1 $\frac{1}{8}$	$\frac{1}{4}$	8	$\frac{1}{4}$	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
\$.15	1 $\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	8	$\frac{1}{4}$	50



Fig. 1242

★  
**EYE STRAPS — Fig. 881**  
Forged Bronze — Very Strong

No.	Natural Bronze Each	Chromium Plated Each	Length Inches	Size Eye Inches	Stock in Eye Inches	For Screw No.	Wt. Ozs.
0	\$.41	\$.78	1 $\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	8	$\frac{1}{2}$
1	.56	1.09	2 $\frac{1}{4}$	$\frac{3}{8}$	$\frac{3}{16}$	10	$\frac{3}{4}$
2	.65	1.25	2 $\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{16}$	10	1 $\frac{1}{2}$

Packed per box, Nos. 0 and 1, 50 pcs. No. 2, 25 pcs.



Fig. 881

★  
**DECK STRAPS — Fig. 882**

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 $\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{16}$	1 $\frac{1}{2}$
2	.80	1.70	1.90	4 $\frac{1}{4}$	$\frac{3}{16}$	$\frac{3}{8}$	2 $\frac{1}{2}$

Packed per box, No. 1, 25 pcs. No. 2, 10 pcs.



Fig. 882

★  
**FLANGE EYES — Fig. 877**

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	$\frac{5}{8}$	2 $\frac{1}{8}$ x $\frac{15}{16}$	1
2	.65	1.60	1.85	$\frac{3}{4}$	2 $\frac{1}{4}$ x 1 $\frac{3}{8}$	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	$\frac{3}{16}$	$\frac{3}{4}$ x $\frac{3}{16}$	$\frac{3}{32}$
3	.43	.70	$\frac{1}{4}$	1 x $\frac{3}{8}$	$\frac{3}{16}$
5	.54	1.30	$\frac{3}{16}$	1 $\frac{1}{8}$ x $\frac{3}{16}$	$\frac{1}{4}$
7	.70	1.45	$\frac{3}{8}$	1 $\frac{1}{2}$ x $\frac{1}{2}$	$\frac{3}{8}$
9	.95	2.20	$\frac{3}{8}$	1 $\frac{3}{4}$ x $\frac{3}{16}$	$\frac{1}{2}$
11	1.35	2.60	$\frac{1}{2}$	2 x $\frac{3}{8}$	$\frac{3}{8}$
13	2.20		$\frac{3}{4}$	2 $\frac{1}{2}$ x $\frac{3}{4}$	1 $\frac{1}{4}$
15	3.35		$\frac{3}{4}$	3 x $\frac{3}{8}$	1 $\frac{3}{8}$

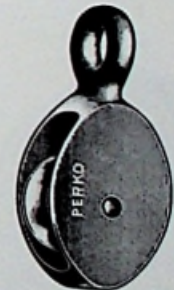


Fig. 43

★  
**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	$\frac{3}{16}$	$\frac{3}{4}$ x $\frac{3}{16}$	$\frac{3}{8}$
4	.70	$\frac{1}{4}$	1 x $\frac{3}{8}$	$\frac{1}{4}$
6	1.00	$\frac{3}{16}$	1 $\frac{1}{8}$ x $\frac{3}{16}$	$\frac{3}{8}$
8	1.25	$\frac{3}{8}$	1 $\frac{1}{2}$ x $\frac{1}{2}$	$\frac{5}{8}$
10	1.45	$\frac{3}{8}$	1 $\frac{3}{4}$ x $\frac{3}{16}$	$\frac{3}{4}$
12	1.95	$\frac{1}{2}$	2 x $\frac{3}{8}$	1 $\frac{1}{4}$
14	3.75	$\frac{3}{4}$	2 $\frac{1}{2}$ x $\frac{3}{4}$	2 $\frac{1}{4}$



Fig. 51



Fig. 100



Fig. 101



Fig. 107

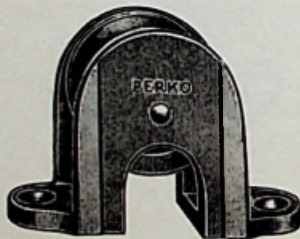


Fig. 87



Fig. 88

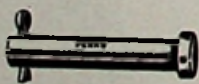


Fig. 1176

**SWIVEL EYE BLOCKS — Fig. 100**

Galvanized Malleable Iron Or Bronze — Single

Size No.	Galvanized Iron Each	Plain Bronze Each	For Diam. Rope Inches	Length Shell Inches	Diameter Sheave Inches	Weight Per Doz. in Lbs.
0	\$ .38	\$1.55	3/16	1	1/2	1/2
1	.44	1.60	3/16	1 1/4	3/4	1 1/4
3	.57	2.10	1/4	1 3/4	1	2
5	.77	2.55	3/8	2	1 1/8	2 1/8
7	.98	2.90	3/8	2 1/4	1 1/2	4 1/4



**SWIVEL EYE BLOCKS — Fig. 101**

Galvanized Malleable Iron — Double

Size No.	Galvanized Iron Each	For Diam. Rope Inches	Length Shell Inches	Diameter Sheave Inches	Weight Per Doz. in Lbs.
00	\$ .66	3/16	1	1/2	1 1/8
2	.77	3/16	1 1/4	3/4	2 1/4
4	.93	1/4	1 3/4	1	3 3/8
6	1.37	3/8	2	1 1/8	4 1/2
8	1.95	3/8	2 1/4	1 1/2	7



**BLOCKS ON PLATES — Fig. 107**

Malleable Iron — Swivel Eye

Size No.	Cadmium Plated Each	For Diam. Rope Inches	Weight Per 100 in Lbs.
3	\$1.45	1/4	31
5	1.55	3/16	47
7	1.75	3/8	75



**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	\$1.00	3/16	1 3/4 x 3/4	3/8
1	.70	.53	1.45	3/8	1 1/2 x 1/2	3/8
3	1.10	.90		1/2	2 x 3/4	1 1/8
5		1.95		5/8	2 1/2 x 3/4	1 3/8
7		3.25		3/4	3 x 3/4	2 3/8

Cast iron furnished unless otherwise specified.



**DECK BLOCKS — Fig. 88**

Open Pattern — Galvanized Iron — Double

Size No.	Cast Iron Each	For Diam. Rope Inches	Size Sheave Inches
2	\$ .95	3/8	1 1/2 x 1/2
4	1.95	1/2	2 x 3/4



**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

**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 1/8
3	4.50	1/2	4 x 3/8	3

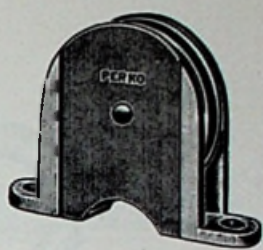


Fig. 139

**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 1/8
3	3.35	1/2	4 x 3/8	2 1/4



Fig. 140

**WIRE ROPE PULLEYS — Fig. 194**

Galvanized Malleable Iron — Side Pattern

Fig. 194 Single

Size No.	Galvanized 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

**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	3/8	2 1/2 x 3/8	3/4
20	2.80	1/2	3 1/4 x 1/2	1 1/2
30	4.15	5/8 - 3/4	4 1/2 x 3/4	2 1/2

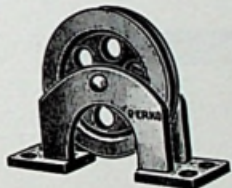


Fig. 279

Fig. 280 Double

110	\$3.85	3/8	2 1/2 x 3/8	1 1/4
120	4.35	1/2	3 1/4 x 1/2	2
130	7.30	5/8 - 3/4	4 1/2 x 3/4	4 1/4

**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	3/8
1	.80	1.60	3/8	1 3/8 x 1/2	3/4
2	.88		3/8	1 1/2 x 1/2	3/4
3	1.25		1/2	2 x 3/8	3/4
4	2.60		3/4	2 1/2 x 3/4	1 1/4
5	3.90		3/4	3 x 3/4	2



Fig. 95

**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
\$3.25	3/8	2 x 1/2	7 1/2	4 1/2	1 1/4



Fig. 483

**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
3/16	\$ .51	\$1.00	7
1/4	.58	1.15	11
5/16	.64	1.45	20
3/8	.76	2.15	31
7/16	.98		47
1/2	1.11		68
5/8	1.78		137
3/4	2.44		220
7/8	3.22		320
1	4.67		500

**WIRE ROPE THIMBLES — Fig. 466**

**Galvanized Steel, Brass Or Stainless Steel**



Fig. 466

For Size Rope Inches	Galv. Per 100	Brass Per Dozen	Stainless Steel Per Dozen	Galv. Wt. Per 100 in Lbs.
1/8	\$ 8.60	\$2.40	\$2.40	2%
3/16	8.60	2.40	2.40	2%
1/4	9.65	3.00	3.00	4%
5/16	10.90	4.20	4.20	5 1/2%
3/8	15.00	6.60	6.60	10%
1/2	20.00	9.00	9.00	15 1/2%
5/8	40.00			27 1/2%
3/4	65.00			40
7/8	96.00			55
1	100.00			79

**CONNECTING OR MISSING LINKS — Fig. 319**

**Drop Forged Steel — With Interlocking Lugs**

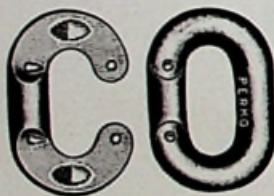


Fig. 319

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 3/8	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 3/8 x 1 3/4	40
5/8	1.15	3 3/8 x 2 1/8	76

**SWING LINKS — Fig. 784**

**Malleable Iron — Hot Galvanized — With Bronze Rivets And Interlocking Lugs**



Fig. 784

Size Inches	Galv. Per Dozen	Length Overall Inches	Diam. Eye Inches	Packed Dozens in Box	Weight Per Dozen Pounds
3/16	\$4.50	1 3/4	3/8	2	3 3/8
1/4	5.00	1 15/16	3/8	2	1
5/16	5.90	2 1/8	3/8	2	1 1/2
3/8	8.00	2 1/2	3/8	2	2 1/4
7/16	11.00	2 15/16	5/8	1	3 1/4
1/2	14.20	3 3/8	5/8	1	5 1/4
5/8	23.10	4 1/2	1 1/8	1/2	12

**LAP LINKS — Fig. 785**

**Galvanized Wrought Steel**

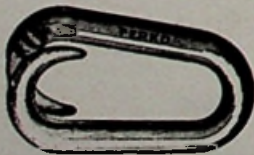


Fig. 785

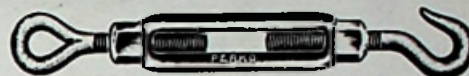
Size Inches	Each	Inside Dimensions of Link Inches	Size Inches	Each	Inside Dimensions of Link Inches
3/16	\$ .12	1 x 1/2	3/8	\$ .33	1 1/8 x 1 1/8
1/4	.12	1 1/2 x 1/2	1/2	.59	2 x 1
5/16	.23	1 1/2 x 3/4			

**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.

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 $\frac{5}{8}$
$\frac{5}{8}$ 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 $\frac{3}{8}$

**HOOK AND EYE**



**Fig. 390**

**JAW AND JAW**



**Fig. 394**

**PETITE TURNBUCKLES — Fig. 396**  
**Bronze — S.A.E. Threads — Eye and Eye**

No.	Each	Diam. Thread 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 $\frac{1}{4}$	6 $\frac{1}{4}$
3	.66	$\frac{1}{4}$	5	1 $\frac{1}{2}$	11 $\frac{1}{2}$
4	.88	$\frac{5}{16}$	5 $\frac{3}{4}$	1 $\frac{3}{4}$	15
5	1.04	$\frac{3}{8}$	6 $\frac{3}{4}$	2 $\frac{1}{4}$	24 $\frac{1}{2}$



**Fig. 396**

**NEW PETITE TURNBUCKLES — Fig. 398**  
**Bronze — S. A. E. Threads — Jaw and Jaw**

No.	Each	Diameter Thread Inches	Length Extended Inches	Takeup Inches	Width Jaws Inches	Weight Per 100 in Lbs.
4	\$2.60	$\frac{1}{4}$	5 $\frac{3}{4}$	1 $\frac{7}{8}$	$\frac{1}{4}$	19
5	2.90	$\frac{5}{16}$	6 $\frac{7}{8}$	2 $\frac{1}{4}$	$\frac{1}{4}$	28



**Fig. 398**

**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		$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{8}$
$\frac{3}{16}$	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**

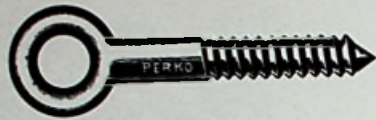


Fig. 500

**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
5/16 x 2 1/4	.49	5/8	9
3/8 x 2 1/2	.54	3/4	16
1/2 x 3 1/4	.80	1	35
5/8 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
5/16 x 2 1/4	.51	.54	1.28	5/8	13
5/16 x 4 1/4	.60	.63	1.78	5/8	17
3/8 x 2 1/2	.55	.59	1.67	3/4	21
3/8 x 4 1/2	.67	.71	2.44	3/4	27
3/8 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
5/8 x 4	1.36			1 1/4	85
5/8 x 6	1.60		5.90	1 1/4	100



**SWIVELS — Fig. 622**

Drop Forged Steel



Fig. 622

Size Inches	Galv. Each	Length Inches	Width Inside Inches	Weight Each in Lbs.
1/4	\$1.66	3 3/8	3/4	1/4
5/16	1.76	4 1/8	15/16	3/8
3/8	2.02	5 1/4	1 3/8	3/4
1/2	2.84	6 5/8	1 1/2	1 1/4
5/8	4.80	7 1/2	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	5/8	1 1/4 x 1 1/8	3/8
5/16	2.08	4 1/8	5/8	1 1/4 x 1	1/2
3/8	2.40	5	5/8	1 3/8 x 1 1/8	3/4
1/2	3.18	6	1 1/8	1 1/2 x 1 1/8	1 1/8
5/8	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 5/8	2 3/4
1	.29	.62	3/8	3/8	3/8	1 3/4	4
2	.39		1/2	3/8	3/8	2 1/8	7 1/2
3	.55		1/2	3/8	1/2	2 1/2	10
4	.77		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



**LACING EYES — Fig. 767**

Cast Brass — Plain



With Shoulder  
Fig. 767

Size No.	Per Dozen	I. D. of Eye Inches	Length Under Eye Inches	Wt. Per 100 in Lbs.
1	\$1.55	5/16	1	2 1/2
2	2.05	3/8	1 1/4	4 1/2
3	2.60	1/2	1 1/2	8

**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— $2\frac{3}{8} \times 2\frac{3}{8}$  inches.

No. 2 Blade, Triangular— $3 \times 3$  inches.

No. 3 Blade, Oval— $2\frac{1}{2} \times 1\frac{1}{4}$  inches.

Length Handle— $8\frac{1}{2}$  inches.

Weight Per Set, 9 Ounces.

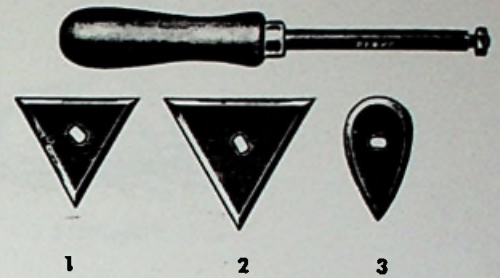


Fig. 1015

★  
**DOUBLE END SCRAPERS — Fig. 1175**

Fine Grade Tool Steel — Heat Treated

Per Doz.	Length Inches	Width Inches	Thick-ness Inches	Width Blade Incl.es	Weight Per Dozen Pounds
\$13.00	15	1	$\frac{1}{4}$	$1\frac{1}{4}$	13

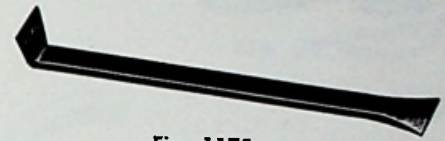


Fig. 1175

★  
**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	$\frac{1}{16}$	$5\frac{3}{8}$	$2\frac{1}{2}$	$4\frac{1}{2}$
1	28.80	$\frac{1}{8}$	$5\frac{5}{8}$	$2\frac{1}{4}$	$5\frac{1}{4}$



Fig. 307

★  
**SAIL MAKERS PALMS — Fig. 411**

Hide Mounted — Bronze Spindle — Right Hand Only

Seaming—Half Hide	Per Dozen
.....	\$21.00

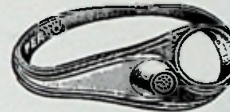


Fig. 411

★  
**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	$2\frac{1}{2}$

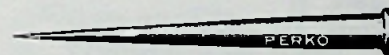


Fig. 921

★  
**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	$12 \times 1\frac{3}{4}$	$4\frac{1}{2}$
1	16.00	$14 \times 1\frac{3}{4}$	$4\frac{1}{2}$
2	18.00	$16 \times 2$	6
3	20.00	$18 \times 2$	$7\frac{1}{2}$
4	30.00	$20 \times 2\frac{1}{4}$	$10\frac{1}{2}$

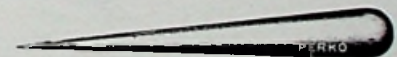


Fig. 923

★  
**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.
$\frac{1}{4}$	\$ .90	$\frac{3}{4} \times \frac{7}{8}$	$\frac{1}{4}$	10
$\frac{3}{8}$	.90	$\frac{3}{4} \times \frac{7}{8}$	$\frac{1}{4}$	10
$\frac{1}{2}$	.92	$\frac{3}{4} \times 1\frac{1}{8}$	$\frac{3}{8}$	16
$\frac{3}{4}$	.96	$1\frac{1}{4} \times 1\frac{1}{2}$	$\frac{3}{8}$	34
$\frac{1}{2}$	1.20	$1\frac{1}{2} \times 1\frac{3}{4}$	$\frac{1}{2}$	60
$\frac{3}{4}$	2.20	$1\frac{3}{4} \times 2\frac{1}{4}$	$\frac{3}{8}$	97



Fig. 497



Fig. 612



Fig. 613



Fig. 1289



Fig. 659



Fig. 1041



Fig. 842



Fig. 1042



Fig. 606



Fig. 640

**FAST EYE BOAT SNAPS — Fig. 612**  
Galvanized Malleable Iron Or Bronze

Size No.	Galv. Each	Plain Bronze Each	Inside Diam. Eye Inches	Extreme Length Inches	Weight Per 100 Pounds
0	\$ .53	\$.65	3/8	2 1/4	6 1/4
1	.65	.80	3/8	2 3/4	12
2	.77	.95	3/4	3	13 1/2
3	.93	1.35	3/4	3 3/4	24
4	1.16	1.80	3/4	4 1/2	40
5	1.50	2.60	1 1/8	5	50
6	1.80		1 1/4	5 1/4	68 1/4

★  
**SWIVEL EYE BOAT SNAPS — Fig. 613**  
Galvanized Malleable Iron Or Bronze

Size No.	Galv. Each	Plain Bronze Each	Inside Diam. Eye Inches	Extreme Length Inches	Weight Per 100 Pounds
1	\$ .93	\$1.28	3/8	3 1/4	12 1/2
2	1.10	1.60	1/4	3 3/4	16
3	1.40	2.20	3/4	4 3/4	30
4	1.70	2.45	1 1/8	4 3/4	42
5	2.10	3.55	1 1/4	5 3/4	61

★  
**IMPROVED SWIVEL EYE SNAPS — Fig. 1289**  
Zamak Die Castings — Chromium Plated

Improvement is an interlocking device on tongue and hook, adding considerable strength.

Size No.	Each	Inside Diam. Eye Inches	Extreme Length Inches	Weight Per 100 Pounds
1	\$.90	3/8	3	12 1/2

★  
**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	3/4	2
Bronze	.48	4	3/4	3/4	2 1/2

Iron snap is nickel plated.

★  
**FAST EYE BABY SNAPS — Figs. 842 & 1041**

Fig.	Brass Each	Size of Eye Inches	Length Inches	Weight Ounces
842	\$.24	3/8	1 1/4	1/2
1041	.25	5/8 x 3/8	1 1/4	1/2

★  
**SWIVEL EYE BABY SNAPS — Fig. 1042**

Diam. of Eye Inches	Brass Each	Length Inches	Weight Ounces
3/8	\$.31	2 1/4	1/2

★  
**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	1.20	1 1/4	4 3/4	3/4	32
2	2.75	1	5 3/4	1 1/4	100

★  
**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	3/8	5 3/4	1 1/4	62 1/2



**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 5/8	1 3/4

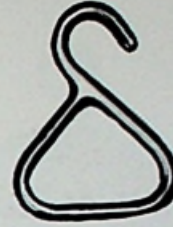


Fig. 469

**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 1/4	3/8	1/2	1230	12
1/2	1.10	3 1/8	1/2	3/8	2620	30
5/8	1.35	5 1/8	1 1/4	3/4	3810	62



Fig. 656

**SCREW HOOKS — Fig. 779**

**Steel — Galvanized**

Size Inches	Per 100	Length Overall Inches	Weight Per 100 Pounds
1/2	\$13.50	4	7 1/4
3/8	17.50	4	11 1/2
1/4	23.50	4	17 1/4



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	9.00	2	7
3/16	16.25	2 1/2	14 1/2
1/8	27.00	3	18 3/4
1/16	67.50	3 3/4	50



Fig. 680

**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 3/8" 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		\$3.00
1 1/2	2.00	2.40		
1 3/4	2.30	2.65	3.00	3.40
2			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	4.65	5.00	5.40	
6	6.40		7.20	7.60

*wfo*



Fig. 426

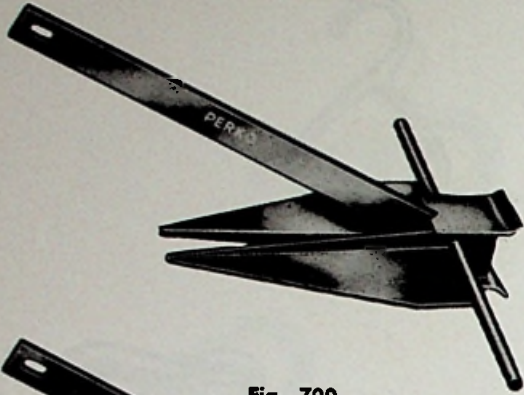


Fig. 700

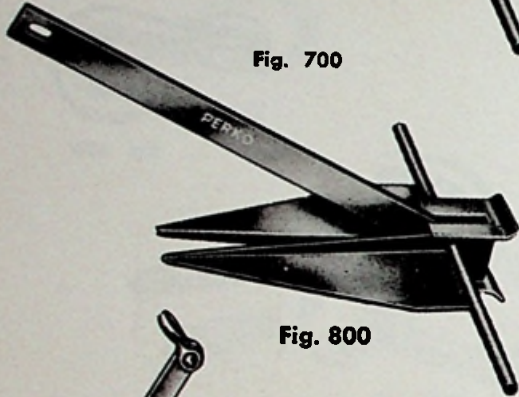


Fig. 800



Fig. 45



Fig. 1028

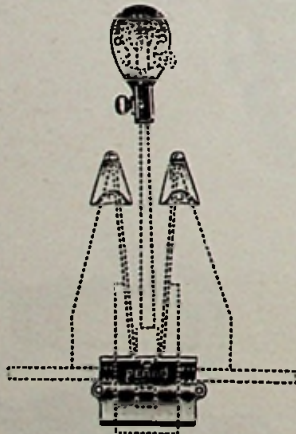


Fig. 933

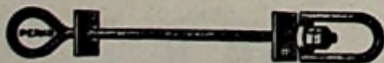


Fig. 166

**"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



**PERKO "NON-SNAG" ANCHOR — Fig. 800**

With Shear Pin — Hot Galvanized Steel  
For Small Boat Fisherman

This new Perko anchor provides substantial holding power at normal scope. However, should it become snagged, anchor is designed with a special soft metal pin which can be broken with a sharp tug when boat is directly over the anchor. This releases the shank so it can ride up forward of the flukes to enable pulling the anchor out backwards.

Weight Pounds	Each	Length Inches
4	\$ 8.25	19
8	15.50	24



**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



**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



**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



**BUOY RODS — Fig. 166**

Galvanized Steel

No.	Each	Diameter Inches	Length Under Eye Inches	Weight Pounds
1	\$9.50	½	19	2¾
2	9.75	½	21	2¾
3	10.25	½	23	3½
4	11.00	¾	22	4½
5	12.00	¾	26	5¼
6	12.75	¾	30	5¾
7	13.75	¾	36	6¾

Swivels only, each \$2.50

**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	3/4	3 1/2 x 2	17



Fig. 1068

**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

**"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

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.

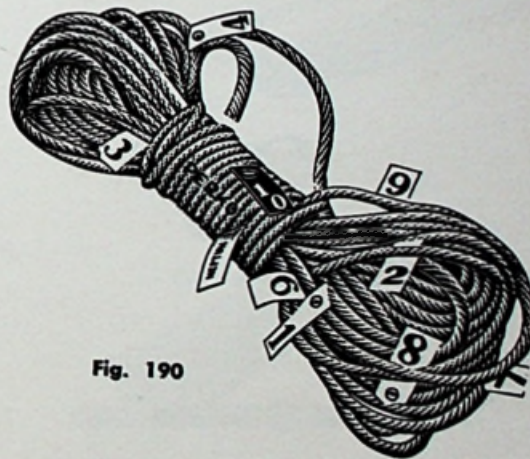


Fig. 190

**SOUNDING LEADS — Fig. 940**

All weights from 2 to 10 pounds inclusive carried in stock.

PER POUND — \$ .80



Fig. 940

**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	3/16	4 1/2	3 3/8
2	4.75	18	2	1/4	8	2 3/4



Fig. 759

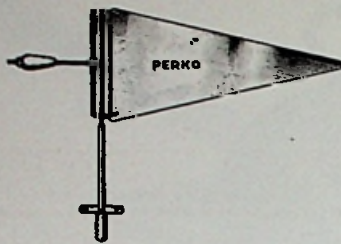


Fig. 435

**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,  $\frac{5}{16}$ " Hole

Each	Size of Pennant Inches	Height Overall Inches	Weight Ounces
\$3.75	6½x3	6½	2½

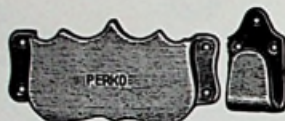


Fig. 325

**BRASS AXE BRACKETS — Fig. 325**

**18 Gauge — Polished**

A set consists of one blade socket and one handle bracket as illustrated.

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



Fig. 465

**BRASS ACORN NUTS — Fig. 465**

**Milled Finish**

No.	Size Thread	Each	Size Hexagon Inches	Height Inches	Weight Ounces
1	8 -32	\$ .08	$\frac{3}{16}$	$\frac{1}{4}$	$\frac{1}{8}$
2	$\frac{1}{4}$ -20	.10	$\frac{3}{16}$	$\frac{3}{8}$	$\frac{1}{4}$
3	$\frac{3}{16}$ -18	.35	$\frac{5}{16}$	$\frac{5}{8}$	$\frac{3}{8}$
4	$\frac{1}{2}$ -16	.40	$\frac{3}{8}$	$\frac{3}{4}$	$\frac{3}{4}$
5	$\frac{3}{8}$ -16	.45	$\frac{3}{8}$	1	1
6	$\frac{1}{4}$ -14	.45	$\frac{3}{8}$	$1\frac{1}{16}$	1
7	$\frac{1}{2}$ -13	.65	$\frac{3}{4}$	$1\frac{3}{16}$	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	1.85	$\frac{7}{8}$	$\frac{3}{4}$	$1\frac{1}{4}$
11	1 - 8	1.85	$1\frac{1}{16}$	$1\frac{3}{16}$	5



Fig. 453

**BRASS WING NUTS — Fig. 453**

**U. S. S. Thread**

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			



Fig. 366

**BELAYING PINS — Fig. 366**

**Galvanized Malleable Iron**

Diam. Shank Inches	Galv. Each	Length Head Inches	Extreme Length Inches	Weight Each Pounds
$\frac{3}{8}$	\$1.50	3	8	$\frac{3}{8}$
$\frac{1}{2}$	2.30	3½	9½	$\frac{3}{4}$
$\frac{5}{8}$	2.85	3¾	10¼	1
$\frac{3}{4}$	3.40	4¼	11	1¾

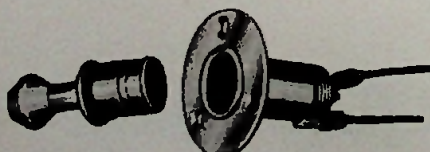


Fig. 236

**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	2½	2	1½	4½

**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	\$4.20	\$5.55	.040
2	1¼	72	4.95	6.65	.040
3	1½	60	4.50	6.00	.040
4	1½	72	5.40	7.00	.040
5	2	60	5.90	7.95	.045
6	2	72	7.00	9.50	.045

1¼" and 1½" sizes drilled for No. 5 F. H. Wood Screw.  
2" size drilled for No. 6 F. H. Wood Screw.

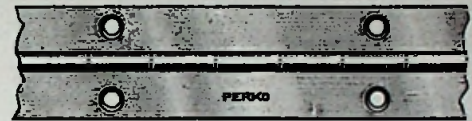


Fig. 211



**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
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	\$.36	¼	22

Supplied only in 50 foot lengths.



Fig. 158



**QUARTER ROUND RUBBER MOULDING — Fig. 471**

**Black**

Generally used as trim or moulding around cabin windows and windshields.

Size ¾ x ¾ inches

Per Foot — \$.19

Supplied only in lengths of 25 feet.



Fig. 471



**RUBBER DRIP MOULDING — Fig. 192**

**White Synthetic Rubber — Not Effected By Sun Or Weather**

Per Foot	Height Inches	Extension Inches	Weight Per Foot Ounces
\$.32	¾	¾	1½

Supplied only in standard lengths of 10 feet.



Fig. 192

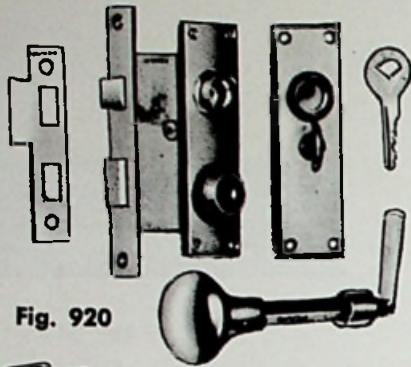


Fig. 920

**"PICK PROOF" MORTISE LOCK SET — Fig. 920**  
**Cylinder Type — Pin Tumbler — All Cast Brass**  
**Chromium Plated — Reversible**

A good sturdy lock design and built for marine use and the better class craft. For doors  $\frac{3}{4}$  to  $1\frac{1}{8}$  inches thick. Backset  $1\frac{1}{2}$  inches.

Per Set	Size Case Inches	Size Facing Inches	Size Escutcheon Inches	Diameter Knob Inches	Weight Pounds
\$22.75	3 x 2 $\frac{1}{8}$	4 $\frac{1}{2}$ x 1 $\frac{1}{16}$	4 x 1 $\frac{3}{16}$	1 $\frac{1}{16}$	1 $\frac{1}{2}$



**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  $\frac{7}{8}$  to  $1\frac{1}{2}$  inches thick. Backset  $1\frac{1}{2}$  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 $\frac{11}{16}$ x 1 $\frac{1}{2}$	4 x 1 $\frac{1}{16}$	4 $\frac{3}{8}$ x 1 $\frac{1}{8}$	$\frac{7}{8}$

**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  $\frac{7}{8}$  to  $1\frac{1}{2}$  inches thick. Backset  $1\frac{3}{8}$  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 $\frac{3}{4}$	3 $\frac{1}{4}$ x 1 $\frac{1}{8}$	4 x 1 $\frac{3}{8}$	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
\$6.60	\$8.75	$\frac{7}{8}$ to 1 $\frac{1}{2}$	4 x 1 $\frac{1}{2}$	1 $\frac{1}{8}$	1 $\frac{1}{4}$



**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	\$9.00	2 $\frac{1}{4}$ x 2	1 $\frac{1}{8}$	1 $\frac{3}{4}$	$\frac{3}{4}$

**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  $\frac{3}{4}$  inch.

Positive locking—stainless steel springs.

**Per Set \$4.50**

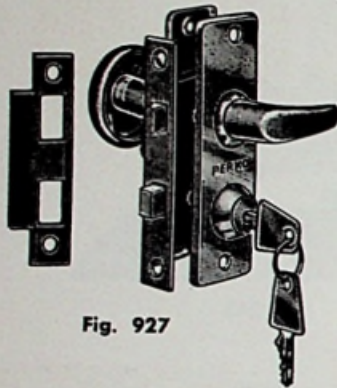


Fig. 927

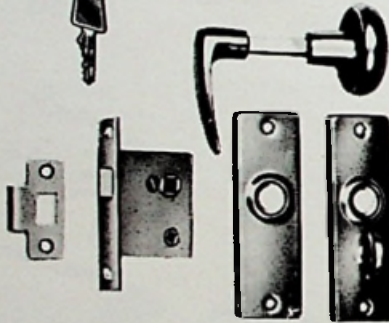


Fig. 960



Fig. 567

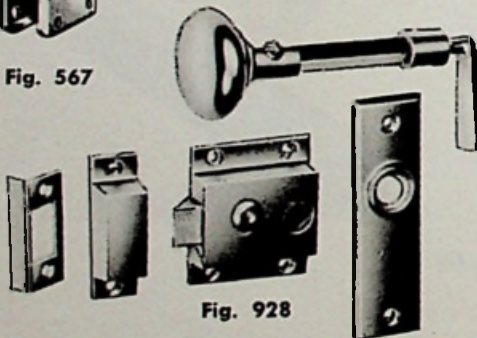


Fig. 928

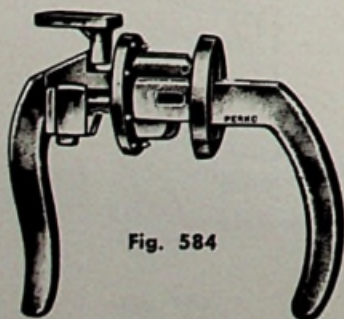


Fig. 584

**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	1½

No. 2 has ⅜ inch offset.

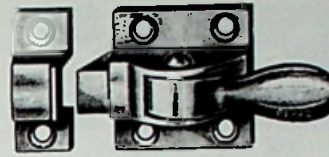


Fig. 1102

**CUPBOARD TURNS — Fig. 1105**

Wrought Brass

Furnished complete with screws.

Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
\$2.20	\$2.85	2¼x1½	3

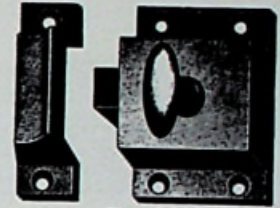


Fig. 1105

**CUPBOARD TURNS — Fig. 949**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
1	\$3.05	\$3.65	1¾x1¾	3½
2	3.65	4.40	2¼x1¾	5½

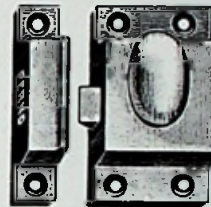


Fig. 949

**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
\$2.30	\$2.90	3½x1¾	⅝	3½

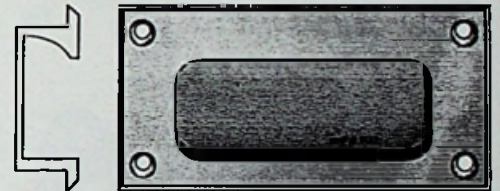


Fig. 1110

**CUPBOARD BOLT — Fig. 1101**

Cast Brass

Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
\$2.45	\$2.90	1¾x1¾	1½

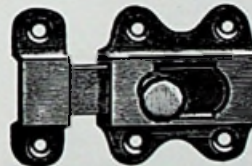


Fig. 1101

**FLUSH RING CATCHES — Fig. 1051**

Cast Brass

Polished Brass Each	Chromium Plated Each	Size Inches	Weight Ounces
\$2.45	\$3.05	1¾x1¾	1½

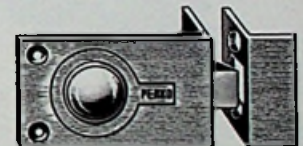


Fig. 1051

**FLUSH RING PULLS — Fig. 841**

Cast Brass

Polished Brass Each	Chromium Plated Each	Size Plate Inches	Weight Ounces
\$1.15	\$1.30	1½ x 1¾	1½



Fig. 841

**FLUSH RING PULLS — Fig. 1103**

Cast Brass — With Round Stock In Ring

Polished Brass Each	Chromium Plated Each	Size Plate Inches	Weight Ounces
\$2.05	\$2.40	2 x 2¾	4

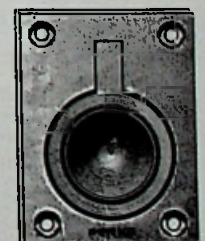


Fig. 1103



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 1/4 x 1 1/4	3 1/2
1	2.00	2.60	2 3/4	2 1/2 x 1 3/4	4
2	2.10	2.75	3 1/4	2 1/4 x 1 1/4	4 1/2
3	2.50	3.10	4 1/4	4 x 1 1/4	6

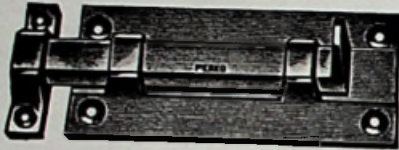


Fig. 1053

**SHIP BOLTS — Fig. 1053**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Size Without Strike Inches
1	\$2.20	\$2.75	2 5/8 x 1 1/4
2	2.50	3.00	3 3/4 x 1 3/4



Fig. 574

**DOOR STOP AND HOLDER — Fig. 574**

Cast Brass

Polished Brass Each	Chromium Plated Each	Diam. Base Inches	Projection Inches	Weight Ounces
\$5.60	\$6.85	1 3/4	3 1/2	7 1/4

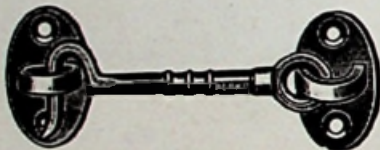


Fig. 956

**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

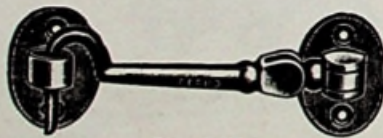


Fig. 957

**CABIN DOOR HOOKS — Fig. 957**

Double Jointed — Cast Brass

Length Overall Inches	Polished Brass Each	Chromium Plated Each	Weight Ounces
2 1/2	\$2.75	\$3.35	2 1/2
3 1/2	3.05	3.65	3



Fig. 1287 Style A

**NEW MODERN DESIGN CABIN DOOR HOOKS —**

Fig. 1287 Style A & B Patent Applied for #75,268

Zamak Die Castings — Chromium Plated

A new design . . . the first in many years. Combines good looks with improved strength



Fig. 1287 Style B

No.	Length Hook Inches	Each	Dimensions Eye Plate Inches	Weight Ounces
1	2	\$ .95	1-1/4 x 11/16	1 1/4
2	2 1/2	1.00	1-1/4 x 11/16	1 1/2
3	3	1.05	1-1/4 x 11/16	1 3/4



**"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.

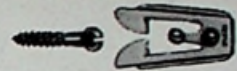


Fig. 554

Each Complete	Length Catch Inches	Length Ball Head Screw Inches	Weight Ounces
\$ .50	1 3/16	3/4	1/4

**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 3/8 inches.

Per Dozen ..... \$1.05

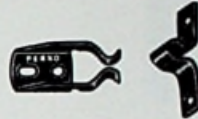


Fig. 1178

**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

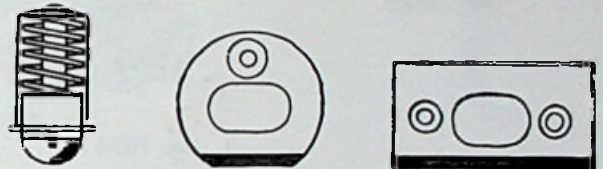


Fig. 178

**ELBOW CATCHES — Fig. 1056**

**Cast Brass**

Plain Brass Each	Polished Brass Each	Chromium Plated Each	Size Base Inches	Weight Ounces
\$ .80	\$1.30	\$1.60	1 1/2 x 5/8	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

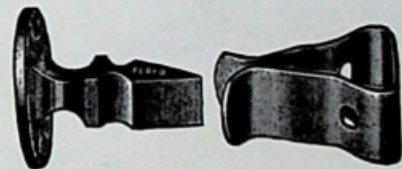


Fig. 1065

**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
\$2.65	1 3/8	1 1/8	1 1/2

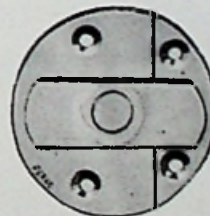


Fig. 941

**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

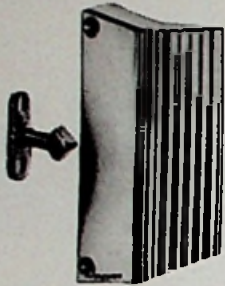


Fig. 948

## REFRIGERATOR HARDWARE

## ALL CHROMIUM PLATED

We offer this newly designed hardware for the modern boat. Hand-somely finished in bright chrome. Made of high-grade pressure cast zinc alloy — All Individually packaged



Front View  
Fig. 1067



Back View



Fig. 1074



Fig. 1075

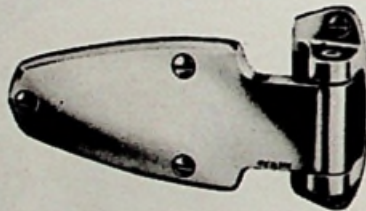


Fig. 1076

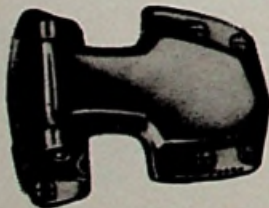


Fig. 1077

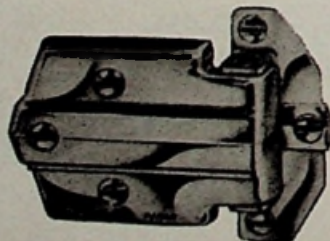


Fig. 1078

## REFRIGERATOR LATCH — Fig. 1067

Per Set	Height Overall Inches	Width Handle Inches	Weight Pounds
\$5.25	6	2 1/4	1 1/8



## REFRIGERATOR LATCH — Fig. 1074

Adjustable Offsets 7/16 to 7/8 Inches With Screws

Per Set	Length Overall Inches	Width Overall Inches	Weight Pounds
\$6.25	5	1 11/32	1 1/16



## REFRIGERATOR LATCH — Fig. 1075

Adjustable Offset 5/8 to 1 1/8 Inches — With Screws

Per Set	Length Overall Inches	Width Overall Inches	Weight Pounds
\$8.35	6 3/8	2 1/8	1 1/8



## REFRIGERATOR HINGES — Fig. 1076

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 1/2	3 3/8	1 1/2



## REFRIGERATOR HINGE — Fig. 1077

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 7/8	3 1/8	1 1/8



## REFRIGERATOR HINGE — Fig. 1078

Heavy Stamped Brass — Chromium Plated

5/8 Inch Offset — With Screws

Per Pair	Length Overall Inches	Width Overall Inches	Weight Per Pair Pounds
\$4.30	3 5/8	2 3/4	1 1/2

**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
\$1.75	\$2.15	2½	2

Specify right or left hand.



Fig. 1064

**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.



Fig. 1063

**REFRIGERATOR LATCH — Fig. 1066**

Cast Bronze — Chromium Plated — Flush or 7/16 Inch Offset

*w/o*

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.

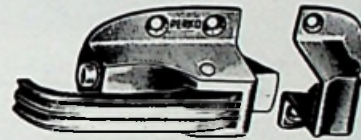


Fig. 1066

**REFRIGERATOR HINGES — Fig. 1072**

Cast Brass — Chromium Plated — 7/16 Inch Offset

*w/o*

Per Pair	Length Strap Inches	Length Overall Inches	Width Overall Inches	Weight Per Pair Ounces
\$6.50	2½	3¾	1¾	7

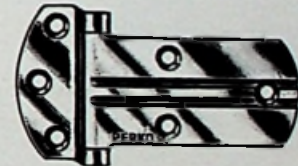


Fig. 1072

**DRAWER KNOBS — Fig. 925**

Brass — For Drawers Up To 1¼" Thick

Polished Brass Per Dozen	Chromium Plated Per Dozen	Diameter Inches	Weight Per Dozen Ounces
\$6.75	\$8.75	1	12



Fig. 925

**DRAWER PULLS — Fig. 958**

Pressed Brass

Polished Brass Each	Chromium Plated Each	Width Overall Inches	Width Inside Inches	Weight Ounces
\$.50	\$.75	3¼	2¾	1

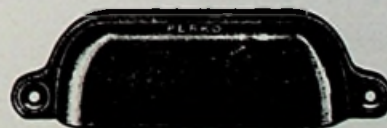


Fig. 958



Fig. 120

**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	\$2.20	\$4.50	\$4.85	3/16
6	2.20	2.75	5.25	5.60	3/8
8	3.15	4.95	6.35	6.95	7/8

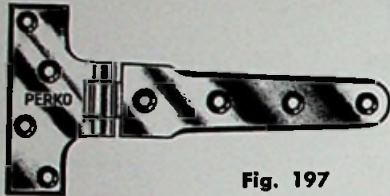


Fig. 197

★  
**"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	\$3.30	\$6.15	\$ 6.90	2 1/2	1/2
6	3.90	6.95	7.70	3	3/8
8	6.35	9.80	11.00	4	1 1/2



Fig. 556

★  
**LADDER HINGES — Fig. 556**  
Cast Manganese Bronze

Polished Bronze Per Pair	Chromium Plated Per Pair	Length Open Inches	Width Inches	Weight Per Pair Ounces
\$6.00	\$6.75	5 3/4	3/4	9

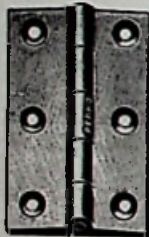


Fig. 952

★  
**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	\$2.15	\$3.10	2 1/2 x 1 3/4	\$3.70	\$5.35
1 1/2 x 1 1/2	2.35	3.40	2 1/2 x 2	3.70	5.35
2 x 1 1/4	2.50	3.50	2 1/2 x 2 1/2	4.00	5.65
2 x 1 1/2	2.50	3.50	3 x 2	4.00	5.65
2 x 1 3/4	2.80	3.70	3 x 2 1/2	4.15	5.80
2 x 2	2.80	3.70	3 x 3	4.75	6.55



Fig. 953

★  
**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	\$3.50	\$4.20	2 1/2 x 2 1/2	\$5.05	\$6.60
2 x 1 1/2	3.55	4.30	3 x 2	5.65	7.05
2 x 2	3.85	4.75	3 x 2 1/2	5.95	7.80
2 1/2 x 2	4.30	5.65	3 x 3	6.30	8.10



Fig. 1058

★  
**BUTTERFLY HINGES — Fig. 1058**  
Wrought Brass — Plain

No.	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair
1	\$ .30	\$ .42	\$ .55
2	.55	.70	1.00

No.	Length Open Inches	Width at Pin Inches	Weight Per Pair Ounces	Thickness Inches
1	2 1/4	3/4	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.

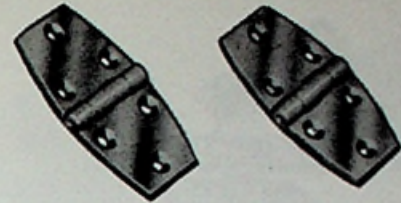


Fig. 808

Per Pair	Open Length Inches	Extreme Width Inches	Weight Per Pair Ounces
\$2.95	3	1 1/2	4

**CABINET HINGES — Fig. 768**

Brass — Polished Or Chromium Plated — Flush Or Offset — Offset Is 3/8 Inches

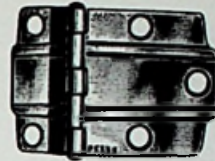


Fig. 768

	Polished Brass Per Pair	Chromium Plated Per Pair	Size Open Inches	Gauge	Weight Per Pair Ounces
Offset	\$1.40	\$1.50	2 3/8 x 1 1/2	14	2
Flush	\$1.40	\$1.50	2 3/8 x 1 1/2	14	2

**CABINET HINGES — Fig. 772**

Brass — Polished Or Chromium Plated — Flush Or Offset

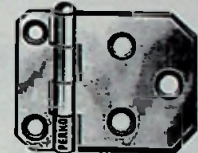


Fig. 772

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

**FLAP HINGES — Fig. 929**

Wrought Brass — Thickness .050 inches



Fig. 929

Polished Brass Per Pair	Chromium Plated Per Pair	Length Open Inches	Extreme Width Inches	Weight Per Pair Ounces
\$ .95	\$1.10	2	3/4	1 1/4

**HATCH HINGES — Fig. 773**

Cast Bronze



Fig. 773

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
\$7.75	\$13.25	\$14.90	3 1/4	2 3/4	1 1/4

Illustration shows one half pair.

**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.

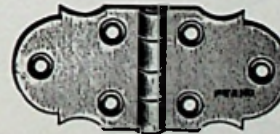


Fig. 950 Stainless Steel  
Fig. 924 Brass

Per Pair	Length Open Inches	Width Inches	Diam. Pin Inches	Weight Per Pair Ounces
\$2.05	3	1 1/2	3/8	3

**CUDDY DOOR HINGES — Fig. 924**

Wrought Brass — Thickness .051 Inches

Polished Brass Per Pair	Chromium Plated Per Pair	Length Open Inches	Extreme Width Inches
\$1.35	\$1.55	3	1 1/2

**CUDDY DOOR HINGES — Fig. 951**

Cast Bronze



Fig. 951

Length Open Inches	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair
3	\$1.80	\$3.75	\$4.15
4	1.90	3.90	4.30
5	2.10	4.10	4.45



Fig. 719



Fig. 1108



Fig. 770

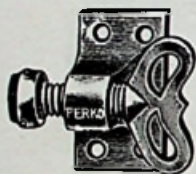


Fig. 839



Fig. 979

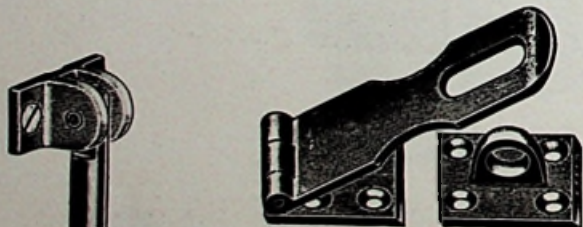


Fig. 955

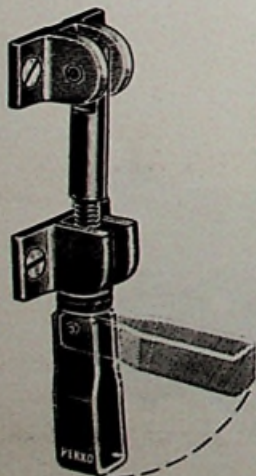


Fig. 769

**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
\$2.00	\$2.65	\$3.20	1 3/4	3/8	4

**ANTI-RATTLE DOOR OR HATCH FASTENER — Fig. 1108**

Cast Brass

Polished Brass Each	Chromium Plated Each	Size Base Inches	Weight Ounces
\$4.55	\$5.75	3x2	6

Has 1/4 inch hole in lever for padlock.

**SASH OR SKYLIGHT FASTENERS — Fig. 770**

Cast Bronze

Size Inches	Burnished Finish Each	Polished Bronze Each	Chromium Plated Each
3/8x4	\$3.35	\$4.50	\$5.15

**SASH ANTI RATTLES — Fig. 839**

Cast Bronze

Furnished with leather tip to prevent defacing of woodwork. Size of base 1 3/8"x1".

Polished Bronze Each	Chromium Plated Each
\$2.90	\$3.55

**SECURITY HINGED HASPS — Fig. 979**

Wrought Brass — 14 B. &amp; 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 1/4	1	1 1/4

**SECURITY HINGED HASPS — Fig. 955**

Cast Bronze

Length Closed Inches	Polished Bronze Each	Chromium Plated Each	Width Inches	Weight Ounces
2	\$2.00	\$2.55	1	1 1/2
3	2.10	2.65	1	2 1/2
3 3/4	2.30	2.85	1 1/8	4 1/2

**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 1/2x3/4	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 5/8	1	3 1/2

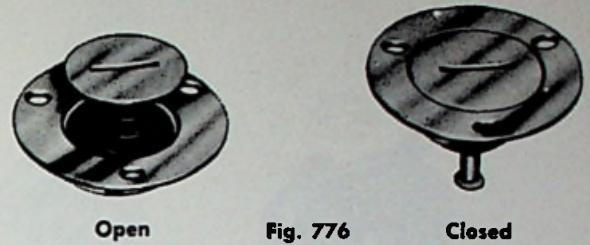


Fig. 776

**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
\$3.25	\$3.75	3x2 1/4	1 3/4 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	\$3.75	\$4.10	3 x 2 1/4	1 7/8	4
2	4.25	4.85	3 1/2 x 2 1/2	2 3/8	6 1/2
3	6.65	7.55	4 1/4 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.

Polished Brass Each	Chromium Plated Each	Size Plate Inches	Inside Ring Inches	Weight Ounces
\$2.05	\$2.40	2 x 2 5/8	1	3 1/2



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	\$7.55	5	4	12
10	8.80	6	6	12
12	9.40	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

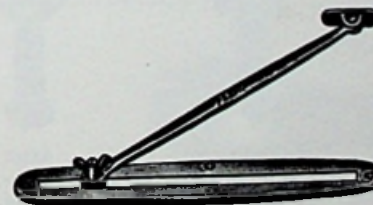


Fig. 797

**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 swing-in base on right.

No.	Chromium Plated Each	Length Closed Inches	Length Open Inches	Diam. Outside Tube Inches	Weight Ounces
1	\$8.90	10	18	1/2	9
2	9.90	12	20	1/2	11

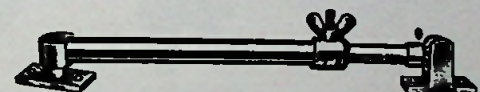


Fig. 1179

**CASEMENT OR WINDSHIELD ADJUSTERS — Fig. 1116**

**Cast Brass**

No.	Polished Brass Each	Chromium Plated Each	Length Inches	Diam. Rod Inches	Weight Ounces
1	\$6.75	\$7.40	8	3/8	11
2	6.90	7.55	10	3/8	12
3	7.00	7.70	12	3/8	13

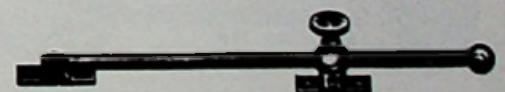


Fig. 1116



Fig. 959



Fig. 975



Fig. 635



Fig. 1106



Fig. 610

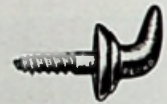


Fig. 1000

**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 1/4	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 3/8	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	7/8	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 3/8	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

**"LIFT TYPE" ALL BRASS FASTENERS**

Nickel Plated

Stud Fig. 114 & 115 have brass 3/8 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



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

Fig.	Per 100
60	\$ 6.35
61	10.25
62	2.00
90	7.20
114	7.50
115	9.00
116	9.00
117	9.50
118	2.00
156	13.00

Note—Price of Fig. 156 does not include machine screw, just the tapped stud only.  
 Figs. 114 and 115 can be supplied with 3/8 inch No. 8 screws to order. Not carried in stock. Price on application.



**ALL BRASS "DURABLE TYPE" FASTENERS**  
Nickel Plated

Stud Fig. 900 has brass 3/8" 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 3/4" long.  
 For canvas to wood, use Figs. 896, 898 and 900.  
 For canvas to canvas, use Figs. 896, 898, 901 and 907.

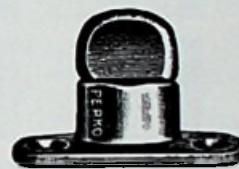
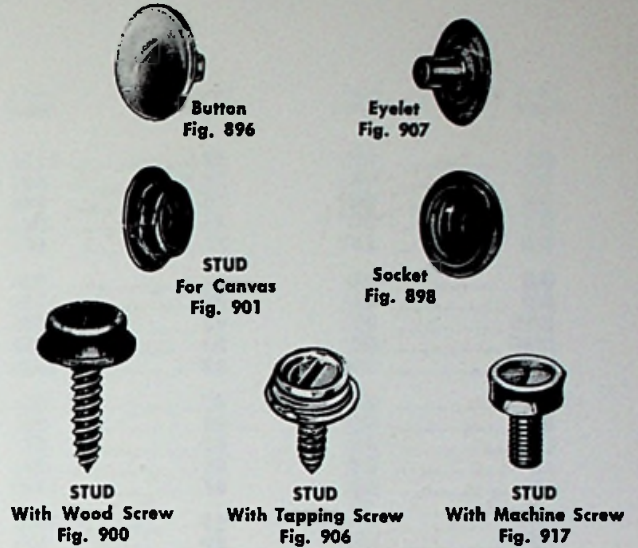
Fig.	Per 100
896	\$3.00
898	2.25
900	7.00
901	1.50
906	5.75
907	1.30
917	6.50

Note — Fig. 900 can be supplied with 5/8 inch No. 6 wood screws to order. Not carried in stock. Price on application.

★  
**ALL BRASS CURTAIN FASTENERS**  
Nickel Plated

Stud Figs. 991, 998 has brass 3/8" 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.	Per 100
991	\$32.00
994	24.00
995	26.50
996	5.25
997	4.00
998	30.00



FLANGED STUD  
 Single Fig. 994  
 Double Fig. 995



SCREW STUD  
 Single Fig. 991  
 Double Fig. 998



Eyelet  
 Fig. 996



Washer  
 Fig. 997

★  
**HAND PUNCH — Fig. 284**  
 For "Curtain Fasteners" —  
 Cast Iron With Steel Cutters

Each .....\$10.90

★  
**HAND SCREW DRIVER — Fig. 290**  
 For "Lift Type" Studs —  
 Steel With Wood Handle

Each .....\$4.25

★  
**HAND PUNCH — Fig. 285**  
 For "Lift Type" Fasteners —  
 Cast Iron With Steel Cutters

Each .....\$5.30

★  
**HAND SET TOOL — Fig. 905**  
 For "Durable Type" Buttons and Eyelets — Steel

Each .....\$2.90



Fig. 284



Fig. 290



Fig. 285

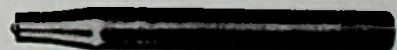


Fig. 905

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# 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. Bow-sprits, 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 in-boards) 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 and 1 B-I

<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.

