

## 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.

### DESIGNS

For the purpose of constant improvement in our products, the designs and specifications are subject to change without notice.

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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

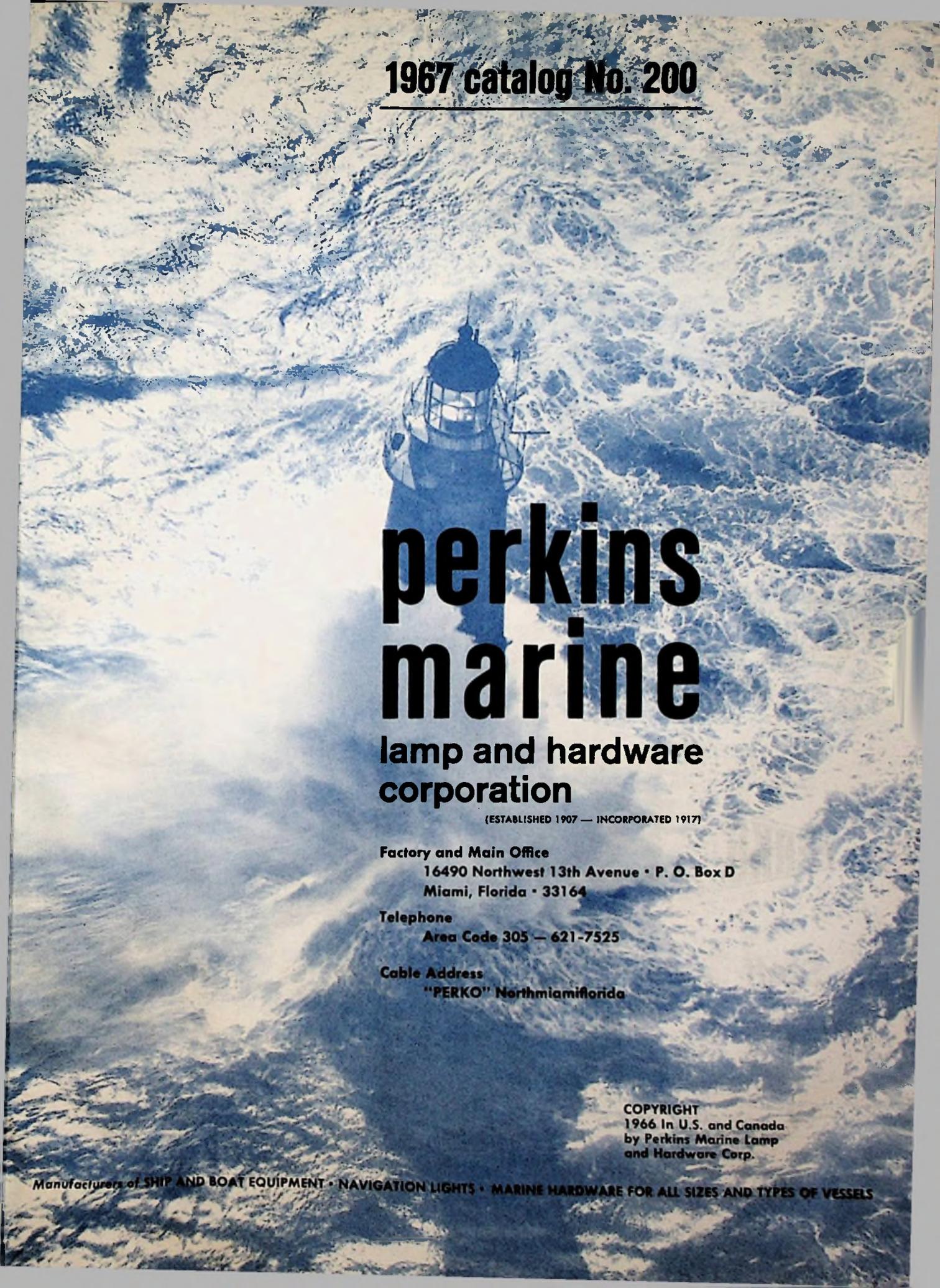
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**1967 catalog No. 200**

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**perkins  
marine**  
lamp and hardware  
corporation

(ESTABLISHED 1907 — INCORPORATED 1917)

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Area Code 305 — 621-7525

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**Manufacturers of SHIP AND BOAT EQUIPMENT • NAVIGATION LIGHTS • MARINE HARDWARE FOR ALL SIZES AND TYPES OF VESSELS**



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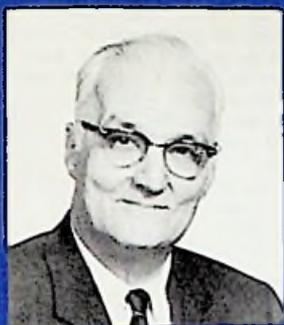


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# The Federal Boating Act of 1958 (Highlights of the law and regulations)

## 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.**

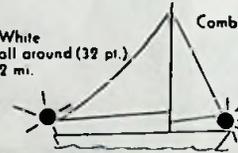
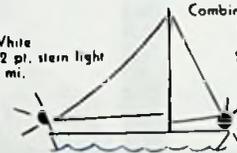
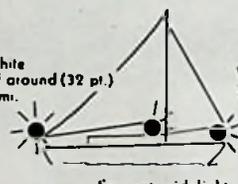
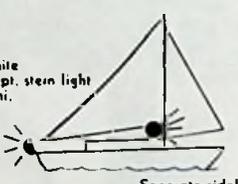
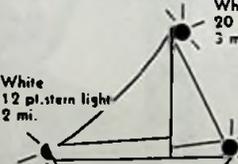
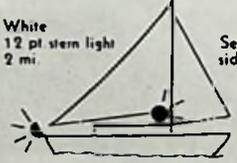
**Option No. 2 are New International Rule Lights legal anywhere, Inland Waters, Lakes, or High Seas. Visibility requirements, Sidelights 1 Mile. Bow and Stern Lights 3 Miles.**

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

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

### LIGHTS REQUIRED ON BOATS UNDERWAY BETWEEN SUNSET AND SUNRISE

**ANCHOR LIGHTS.** Vessels at anchor must display anchor lights except those of not more than 65 feet in length in a "special anchorage area."

# EQUIPMENT REQUIREMENTS

From U. S. Coast Guard (CG-290) Dated Jan. 2, 1964

## 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" on preceding page.

Lifesaving Devices. One Coast Guard approved life preserver, buoyant vest, ring buoy, or buoyant cushion in good and serviceable condition for each person on board.

Fire Extinguishers. See table.

Ventilation. Two or more ventilators with cowls or equivalent capable of removing gases from the bilges in engine and fuel-tank compartments on boats constructed or decked over after April 25, 1940, using gasoline or fuel of a flashpoint less than 110° F. Motorboats so constructed as to have the greater portion of the bilges under the engine and fuel tanks open and exposed to the natural atmosphere at all times are not required to be fitted with such ventilators.

Flame Arrester. Carburetors on all motorboat engines (other than outboard engines or specifically exempted inboards) built after April 25, 1940, shall be fitted with an approved device for arresting backfire. Installations made before November 19, 1952, need not meet the detailed requirements of present specifications and may be continued in use so long as they are in good condition.

## MOTORBOATS OF CLASS 1

(16 feet to less than 26 feet in length)

The same equipment as required by a class A motorboat is required on this class boat. The only addition is a hand mouth or power-operated whistle or horn capable of producing a blast of at least 2 seconds duration and audible for a distance of at least one-half mile.

## MOTORBOATS OF CLASS 2

(26 feet to less than 40 feet in length)

Lights. See "Lights Required" on preceding page.

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" on preceding page.

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 ¼	4	2
B-II	2 ½	15	10

NOTE. Carbon tetrachloride extinguishers and others of the toxic vaporizing-liquid type such as chlorobromomethane are no longer approved and are not accepted as required fire extinguishers.

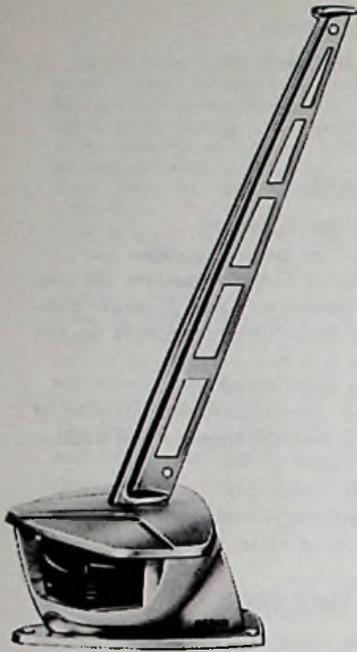
The number of approved extinguishers required depends upon the class (or length) of the motorboat. One B-II extinguisher may be substituted for two B-I extinguishers. When the engine compartment of the motorboat is equipped with a fixed (built-in) extinguishing system of an approved type, one less B-I extinguisher is required.

## FIRE EXTINGUISHERS REQUIRED

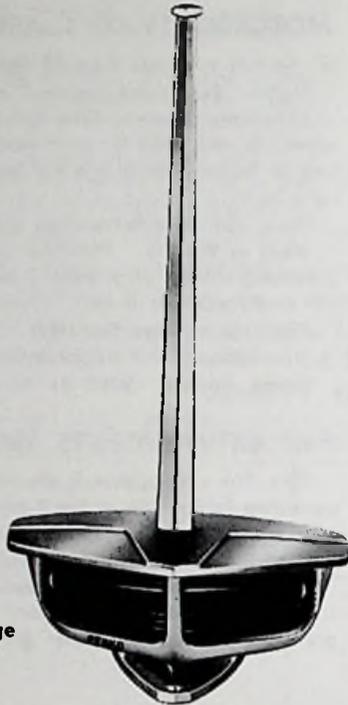
Class of motorboats	Without fixed system in machinery space	With fixed system in machinery space
A (less than 16 ft.)	1 B-I <sup>1</sup>	None.
1 (16 ft. to under 26 ft.)	1 B-I <sup>1</sup>	None.
2 (26 ft. to under 40 ft.)	2 B-I or 1 B-II	1 B-I.
3 (40 ft. to 65 ft.)	3 B-I or 1 B-II	2 B-I or 1 B-II

<sup>1</sup> Outboard motorboats less than 26 feet in length, of open construction, not carrying passengers for hire, are not required to carry fire extinguishers.

NOTE. "Open Construction" means open under any decking so that there is free access of air. If any decking provides a compartment where there is a possibility for gases to accumulate, the boat should be equipped in accordance with the table.



Side View

Fig. 1203  
With Base Flange

Front View

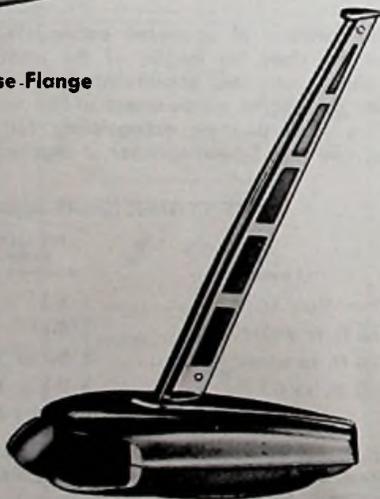
Fig. 1202  
Without Base Flange

Fig. 1260

**"GUIDE" COMBINATION BOW LIGHT — Fig. 1203**  
Zamak Die Casting — Chromium Plated — Red and  
Green Fresnel Lenses — Double Contact Electric Socket  
— With 12 Volt, 6 C.P. Bulb

Complete with base flange for quick mounting. 3 screw holes.  
Designed with wide contours for modern broad decked boats.

Each	Height Inches	Width Inches	Length Inches	Staff Socket Inches	Weight Pounds
\$8.25	3	7 1/2	5 3/4	3/4	1 3/4

Price does not include flag staff, see Fig. 1239.

Spare lenses, \$.85 each.

Spare electric socket, \$.85 each.



**"GUIDE" COMBINATION BOW LIGHT — Fig. 1202**  
Same as Fig. 1203 Above Except Without Base Flange

Base of light mounts directly on deck. Top casting is easily  
removed for installation by loosening one screw inside staff socket.

Each	Height Inches	Width Inches	Length Inches	Staff Socket Inches	Weight Pounds
\$7.50	2 3/4	7 1/2	5	3/4	1 5/8

Other Specifications and spare parts same as Fig. 1203.



**"ROCKET" COMBINATION BOW LIGHT — Fig. 1260**  
Zamak Die Casting — Chromium Plated — Red and  
Green Fresnel Lenses — Double Contact Electric Socket  
— With 12 Volt, 6 C.P. Bulb

Each	Height Inches	Length Overall Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
\$7.00	2 3/8	9 3/4	1 1/2	3/4	1 3/4

Price does not include flag staff, see Fig. 1239.

Spare Lenses, \$.85 each.

Spare electric socket, \$.85 each.

**"RANGER" COMBINATON BOW LIGHT – Fig. 1218**  
 Zamak Die Casting – Chromium Plated – Red and Green Fresnel Lenses – Rebulbing Feature – Double Contact Electric Socket – With 12 Volt, 6 C.P. Bulb

Each	Height Inches	Size Base Inches	Height Lens Inches	Staff Socket Inches	Weight Pounds
\$6.25	3 1/2	6 1/4 x 3 7/8	2 1/2	3/4	3/4

Price does not include flag staff, see Fig. 1230  
 Spare lenses, \$.85 each.  
 Spare electric socket, \$.85 each.



**"LITTLE JOE" COMBINATION BOW LIGHT– Fig. 1146**  
 Zamak Die Casting – Chromium Plated  
 – With 12 Volt, 2 C.P. Bulb

Each	Height Inches	Base Inches	Height Lens Inches	Staff Socket Inches	Weight Ounces
\$4.65	2 1/4	4 1/2 x 2 1/8	1 1/8	1/2	7

Spare miniature bayonet socket, \$.60 each.  
 Spare lenses, \$.85 each.  
 Flag staff, see Fig. 495.



**"CELEBRITY" COMBINATION BOW LIGHT – Fig. 1205**  
 Zamak Die Casting – Chromium Plated – Red and Green Fresnel Lenses – Rebulbing Feature – Double Contact Electric Socket – With 12 Volt, 6 C.P. Bulb

Each	Height Inches	Size Base Inches	Height Lens Inches	Staff Socket Inches	Weight Pounds
\$9.00	3 1/4	7 x 3 3/4	2 1/2	3/4	1 5/8

Price does not include flag staff, see Fig. 1230  
 Spare lenses, \$.85 each.  
 Spare electric socket, \$.85 each.



**"ARISTOCRAT" COMBINATION BOW LIGHT – Fig. 1274**  
 Zamak Die Casting – Chromium Plated – Red and Green Fresnel Lenses – Rebulbing Feature – Double Contact Electric Socket – With 12 Volt, 6 C.P. Bulb

Each	Height Inches	Size Base Inches	Height Lens Inches	Staff Socket Inches	Weight Pounds
\$8.25	3 3/8	7 1/4 x 3 3/8	2 1/2	3/4	1 1/2

Flag staff, see Fig. 1230.  
 Spare lenses, \$.85 each.  
 Spare electric socket, \$.85 each.



**"SALTY" COMBINATION BOW LIGHT – Fig. 1160**  
 All Brass – Chromium Plated –  
 With 12 Volt, 6 C.P. Bulb

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
\$10.75	3 1/8	7 3/8	4 1/4	2 1/2	1 1/4

Spare lenses, \$.85 each.  
 Spare electric socket, \$.85 each.



Fig. 1146  
"LITTLE JOE"

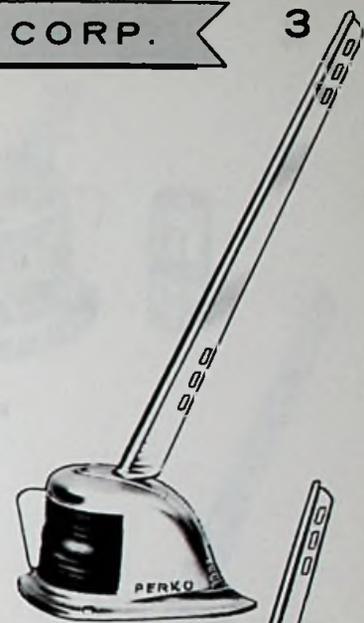


Fig. 1218  
"RANGER"

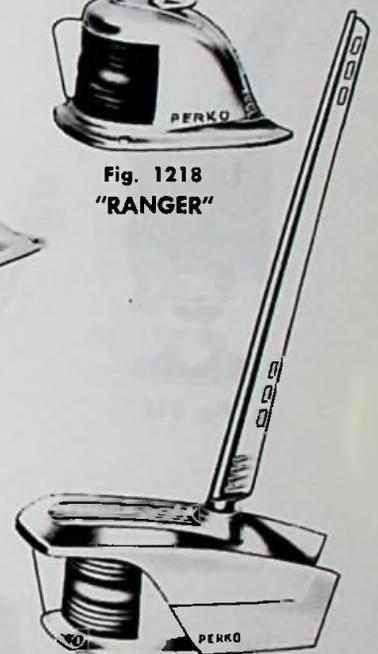


Fig. 1205  
"CELEBRITY"

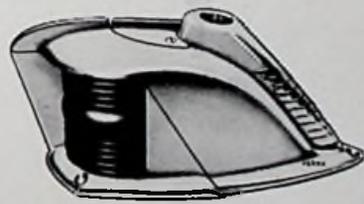


Fig. 1274  
"ARISTOCRAT"



Fig. 1160  
"SALTY"

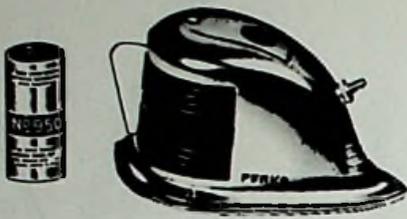


Fig. 1236

**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

With red and green fresnel lenses, miniature socket and bulb. Battery not included. Alkaline batteries are recommended for longer life.

Each	Height Inches	Size Base Inches	Height Lens Inches	Staff Socket Inches	Weight Pounds
\$8.50	3 $\frac{3}{8}$	6 $\frac{1}{4}$ x3 $\frac{3}{8}$	2 $\frac{1}{2}$	$\frac{3}{4}$	1 $\frac{1}{8}$

Spare lenses, \$.85 each.

Spare bulb, see Fig. 56, 1.3 volts.



Fig. 348

**COMBINATION BOW LIGHT — Fig. 348**  
Brass — Chromium Plated —  
Double Contact Electric Socket

Each	Height Overall Inches	Diameter Body Inches	Height Lens Inches	Weight Ounces
\$8.50	4 $\frac{1}{2}$	2 $\frac{7}{8}$	2 $\frac{1}{2}$	12

Spare lenses, \$.85 each.

Spare electric socket, see Fig. 52.



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.

Chromium Plated Each	Height Overall Inches	Diam. Body Inches	Height Lens Inches	Weight Pounds
\$9.25	4 $\frac{1}{2}$	2 $\frac{7}{8}$	2 $\frac{1}{2}$	$\frac{3}{4}$

Spare lenses, .85 each.

Spare electric socket, \$1.00 each.

Fig. 54  
Side LightsFig. 55  
Stern Lights

**NEW LIGHTS FOR SAILBOATS — Figs. 54 & 55**  
Self Contained Battery Operated With Switch

For use with 2 "D" cells, we recommend the well advertised alkaline batteries, which by our own tests give good results and long life when used intermittently.

Height Overall Inches	Weight Each Ounces
4 $\frac{1}{4}$	13

Fig. 54 — 10 Point Side Lights, red and green fresnel lens, galvanized body. Without Batteries, per pair \$29.80

Fig. 55 — 12 Point Stern Light, clear fresnel lens, galvanized body. Without Batteries, each \$14.90

**FLAG STAFF — Fig. 1239**

Zamak Die Casting — Chromium Plated

Attractive structural design adds a great deal of class to the bowlight.

Has neoprene "O" ring for firm grip in staff socket.

Each	Length Overall Inches	Diameter of Base Inches	Weight Ounces
\$3.30	12	3/4	10



**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
\$2.75	14	3/4	8



**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	\$4.00	14	1/2	2
2	4.50	14	3/4	3
3	4.80	18	3/4	6



**WOOD FLAG STAFF — Fig. 496**

Solid Mahogany — Varnished

No.	Each	Length Overall Inches	Diam. Base Inches	Weight Ounces
2	\$3.00	14	3/4	2 1/2
3	3.50	18	3/4	3 1/2
4	3.65	18	1	5
5	5.15	24	1	6
6	6.85	30	1 1/4	9 1/2
7	8.00	36	1 1/4	14
8	11.00	48	1 1/4	27

With brass ferrule, add \$.95 each.

With chromium ferrule, add \$1.20 each.



**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	\$9.00	3/4	3 3/8 x 2 1/4	3/4
3	30	9.50	3/4	3 3/8 x 2 1/4	7/8

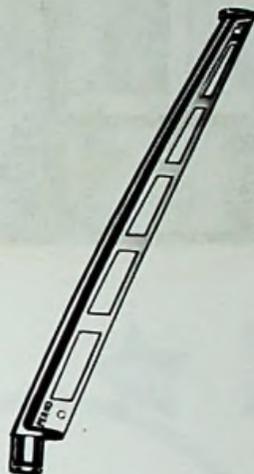


Fig. 1239



Fig. 1230



Fig. 495

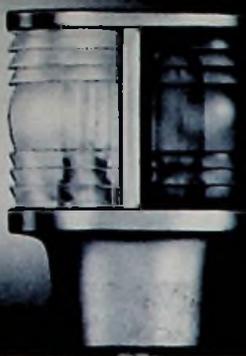


Fig. 496



Fig. 580

6



As a 20 point Bow Light

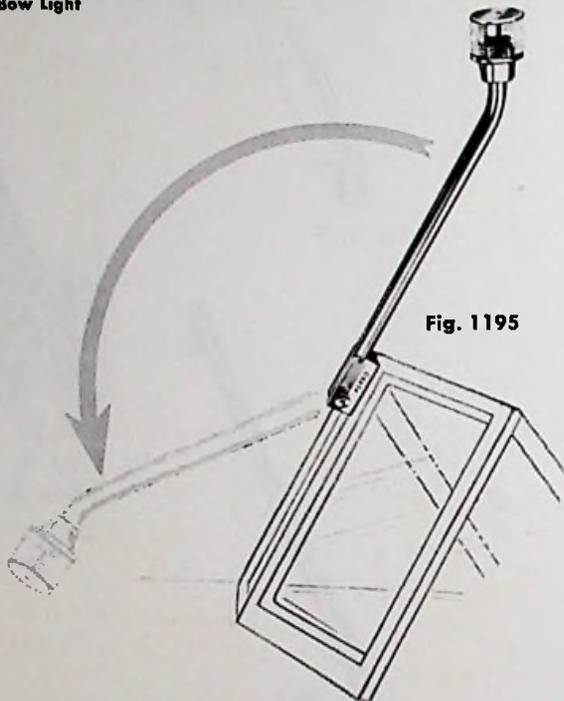


Fig. 1195

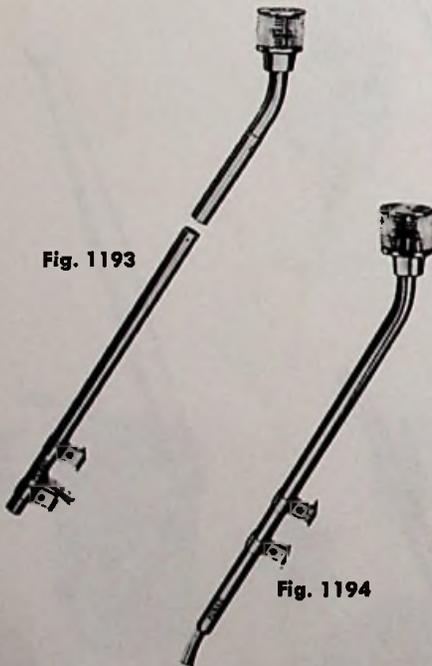


Fig. 1193

Fig. 1194



Fig. 1196

## COMBINATION BO

Here's a dual purpose fitting designed with a compartment each of which contains a bulb. When one compartment is illuminated, the light serves as a 20 point bow light which meets the requirements for a 20 point light mounted at least 3' above the colored side or corner of a vehicle. When both compartments are illuminated, it serves as a 32 point anchor light visible all round the horizon.

### FOLD DOWN ASSEMBLY — Fig. 1195

For Windshield Mounting —  
Brass Pole — Chromium Plated —  
Stainless Steel Mounting Bracket —  
Complete with 2 Bulbs, 12 volt

Each	Length Overall Inches	Mounting Bracket Inches	Diameter Tubing Inches	Weight Pounds
\$17.00	20	1 1/16 x 3	3/4	7/8

Lengths other than above, supplied to order only, price and delivery on application, in manufacturing quantity.

Glare Shield for above, see Fig. 1192.



### PULL-APART ASSEMBLY — Fig. 1193

For Windshield Mounting — Brass Pole —  
Chromium Plated — Stainless Steel Mounting  
Brackets and Cap for Lower Section —  
Complete with 2 Bulbs, 12 Volt.

Electric connectors are inside tubing.  
Contact is made when upper section is mounted.

No.	Length Overall Inches	Each	Height Bottom Section Inches	Width Brackets Inches	Diameter Tubing Inches	Weight Pounds
2	24	\$18.75	16	1	3/4	1 1/4
3	30	19.35	16	1	3/4	1 1/2

Special lengths of sections to order only, price and delivery on application, in manufacturing quantity.

Glare Shield for above, see Fig. 1192.



### FIXED ASSEMBLY — Fig. 1194

For Windshield Mounting — Brass Pole —  
Chromium Plated — Stainless Steel  
Mounting Brackets — Wires May be Through  
Side or Out Bottom of Tubing —  
Complete with 2 Bulbs, 12 Volts

No.	Length Overall Inches	Each	Width Brackets Inches	Diameter Tubing Inches	Weight Pounds
2	24	\$14.50	1	3/4	1
3	30	15.10	1	3/4	1 1/8

Glare Shield for above, see Fig. 1192.



### FIXED ASSEMBLY — Fig. 1196

For Hard Top Mounting — Brass Pole —  
Chromium Plated — Complete with 2 Bulbs, 12 Volt

No.	Each	Height Overall Inches	Size Base Inches	Weight Pounds
1	\$8.25	6	3 x 2	3/4
2	8.85	12	3 x 2	1



ELECTRIC LAMP FOR ALL ABOVE SEE FIG. 56 NO. 4

# Anchor LIGHTS

Patent Applied For

unit saves time and money for builders and do-it-yourselfers. The light is completely wired for three position switch. are 12 volt miniature bayonet type are readily obtained at auto supply stores and marine supply stores. combination bow and anchor light feature can be supplied immediately in the products appearing below. Other assemblies meet specific requirements can be made to order.



As a 32 Point Anchor Light

## NEW VARIABLE ANGLE ASSEMBLY — Figs. 1181 & 1182

For Windshield Mounting —  
Chromium Plated — Complete with Two 12 Volt Bulbs

This light can be adjusted to suit any probable angle of windshield or top.

Each	Height Overall Inches	Diameter Tubing Inches	Dimensions Bracket Inches	Weight Ounces
\$11.25	13 1/2	3/4	2 x 3/4	13



## NEW MAST ASSEMBLY — Fig. 1183

With Round Flange Mounting Base —  
Chromium Plated — Complete with Two 12 Volt Bulbs

Each	Height Inches	Diam. Base Inches	Weight Ounces
\$7.50	2 3/4	1 15/16	8



## MAST ASSEMBLY — Fig. 1197

For Mounting Into Masthead or Over a Staff —  
Brass Mounting Tube — Chromium Plated —  
Complete with Two 12 Volt Bulbs  
and 10-inch Pigtails

Each	Height Overall Inches	O.D. Tubing Inches	Length Tubing Inches	Weight Ounces
\$5.50	3 1/2	3/4	1	6



## GLARE SHIELD — Fig. 1192

For Combination Bow and Anchor Lights —  
18-8 Stainless Steel

Supplied with 2 stainless steel self tapping screws. Bottom of light is pre-drilled for easy installation of shield.

Each	Dimensions Inches	Weight Ounces
\$1.20	4 5/8 x 3 3/8	1 1/4

NOTE — This shield cannot be supplied with Fig. 1196 except in manufacturing quantities.



Spare lenses for all above lights, \$.55 each.



Fig. 1183

Fig. 1181 — For Flat Windshield  
Fig. 1182 — For V-Type Windshield



Fig. 1197

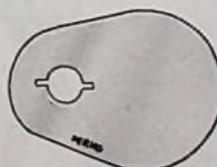


Fig. 1192



Fig. 1206

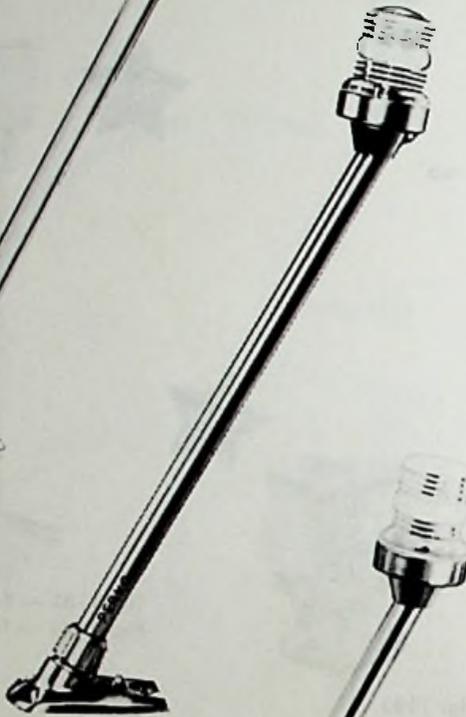


Fig. 1233

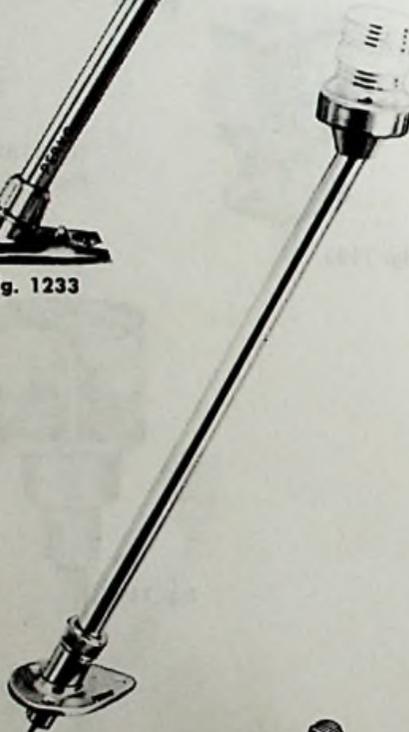


Fig. 605



Fig. 609

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

Zamak Die Casting — Brass Pole — Chromium Plated  
— With 12 Volt, 6 C.P. Bulb

The knurled nut on the base permits adjusting the height of light down to  $4\frac{3}{8}$  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	\$10.65	$\frac{3}{4}$	$3\frac{3}{4} \times 2\frac{1}{8}$	1 $\frac{1}{2}$
2	24	11.15	$\frac{3}{4}$	$3\frac{3}{4} \times 2\frac{1}{8}$	1 $\frac{3}{4}$
3	30	11.75	$\frac{3}{4}$	$3\frac{3}{4} \times 2\frac{1}{8}$	1 $\frac{3}{4}$
4	36	12.50	$\frac{3}{4}$	$3\frac{3}{4} \times 2\frac{1}{8}$	2

Flag Pole Socket only \$3.85 each — Spare Electric Socket \$0.95 each. Spare Globes, see Fig. 281-P

**ADJUSTABLE POLE LIGHT — Fig. 1233**

Chromium Plated — Wired — Ready for Installation  
With 12 Volt, 6 C.P. Bulb

Brass Pole — Zamak Globe Holder and Base. Bayonet Double Contact Electric Socket. Height Adjustable down to  $4\frac{1}{8}$  inches.

No.	Maximum Length Inches	Each	Diameter Pole Inches	Dimensions Base Inches	Weight Pounds
1	20	\$ 9.25	$\frac{3}{4}$	$3\frac{3}{4} \times 2\frac{1}{8}$	1 $\frac{1}{2}$
2	24	9.75	$\frac{3}{4}$	$3\frac{3}{4} \times 2\frac{1}{8}$	1 $\frac{1}{2}$
3	30	10.35	$\frac{3}{4}$	$3\frac{3}{4} \times 2\frac{1}{8}$	1 $\frac{1}{2}$
4	36	12.10	$\frac{3}{4}$	$3\frac{3}{4} \times 2\frac{1}{8}$	2

Flag Pole Socket only \$3.85 each — Spare Electric Socket \$0.95 each. Spare Globes, see Fig. 248-P.

**ADJUSTABLE POLE LIGHT — Fig. 605**

Chromium Plated — Wired — Ready for Installation  
With 12 Volt, 6 C.P. Bulb

Brass Pole and Base — Zamak Globe Holder. Bayonet Double Contact Electric Socket. Height Adjustable down to  $4\frac{1}{8}$  inches.

No.	Maximum Length Inches	Each	Diameter Pole Inches	Dimensions Base Inches	Weight Pounds
1	20	\$10.35	$\frac{3}{4}$	$3\frac{3}{8} \times 2\frac{1}{4}$	1 $\frac{1}{2}$
2	24	10.85	$\frac{3}{4}$	$3\frac{3}{8} \times 2\frac{1}{4}$	1 $\frac{1}{2}$
3	30	11.45	$\frac{3}{4}$	$3\frac{3}{8} \times 2\frac{1}{4}$	1 $\frac{1}{2}$
4	36	12.20	$\frac{3}{4}$	$3\frac{3}{8} \times 2\frac{1}{4}$	1 $\frac{1}{2}$

Flag Pole Socket only \$3.75 each — Spare Electric Socket \$0.95 each. Spare Globes, see Fig. 248-P.

**ADJUSTABLE POLE LIGHT — Fig. 609**

High Intensity —  $1\frac{1}{2}$  Inch Fresnel Ball Globe — All Brass  
— Double Contact Socket — With 12 Volt, 6 C.P.

Diameter of pole is  $\frac{3}{4}$  inch.

No.	Maximum Length Inches	Chromium Plated Each	Weight Pounds
1	20	\$14.00	1 $\frac{1}{2}$
2	24	14.50	1 $\frac{1}{2}$
3	30	15.10	1 $\frac{1}{2}$
4	36	15.85	1 $\frac{3}{4}$

Spare Globes, see Fig. 604.

Flag Pole Socket only \$3.75 each

**POLE LIGHT — Fig. 687**

For Windshield or Transom Mounting —  
Chromium Plated — 1 3/4 Inch Fresnel Globe —  
Double Contact Electric Socket — With 12 Volt, 6 C.P. Bulb

Complete with cork gasket and wired ready for installation.  
With adjustable brackets for mounting on transom. Width of  
bracket is 1 inch. Pole diameter is 3/4 inch.

No.	Length Overall Inches	Each	Weight Pounds
1	20	\$9.65	7/8
2	24	10.15	1
3	30	10.75	1 1/8
4	36	11.50	1 1/4



**POLE LIGHT — Fig. 658**

For Windshield Mounting — Chromium Plated  
— With 12 Volt, 6 C.P. Bulb

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

No.	Length Overall Inches	Each	Weight Pounds
2	24	\$13.80	1 1/4
3	30	14.40	1 1/2
4	36	15.15	1 3/4



**UNIVERSAL TYPE POLE LIGHT — Fig. 660**

Chromium Plated — 1 3/4 Inch Globe —  
3/4 Inch Tubing — With 12 Volt, 6 C.P. Bulb

For mounting and fastening to deck and center post of flying  
bridge windshield. Pivotal base permits adjustment to any  
normal angle. Complete with glare shield. Height of bottom  
section from deck is 17 inches. Bracket width is 1 inch.

No.	Length Overall Inches	Each	Weight Pounds
2	24	\$14.75	1
3	30	15.35	1 1/4
4	36	16.10	1 1/2



**REMOVABLE POLE LIGHT — Fig. 1209**

Chromium Plated — 1 3/4 Inch Globe —  
3/4 Inch Tubing — With 12 Volt, 6 C.P. Bulb

Instantly removable for stowing away, without break-  
ing connections.

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

No.	Length Overall Inches	Each	Dimensions Base Inches	Weight Pounds
1	20	\$13.25	3 3/8 x 2 1/4	7/8
2	24	13.75	3 3/8 x 2 1/4	1
3	30	14.35	3 3/8 x 2 1/4	1 1/4
4	36	15.10	3 3/8 x 2 1/4	1 1/2



Fig. 687



Fig. 658



Fig. 660



Fig. 1209

**NOTES**

- Spare globes for above, see Fig. 248-P.
- Spare Glare Shield, \$1.25 each.
- Spare electric sockets for all above, \$.95 each.

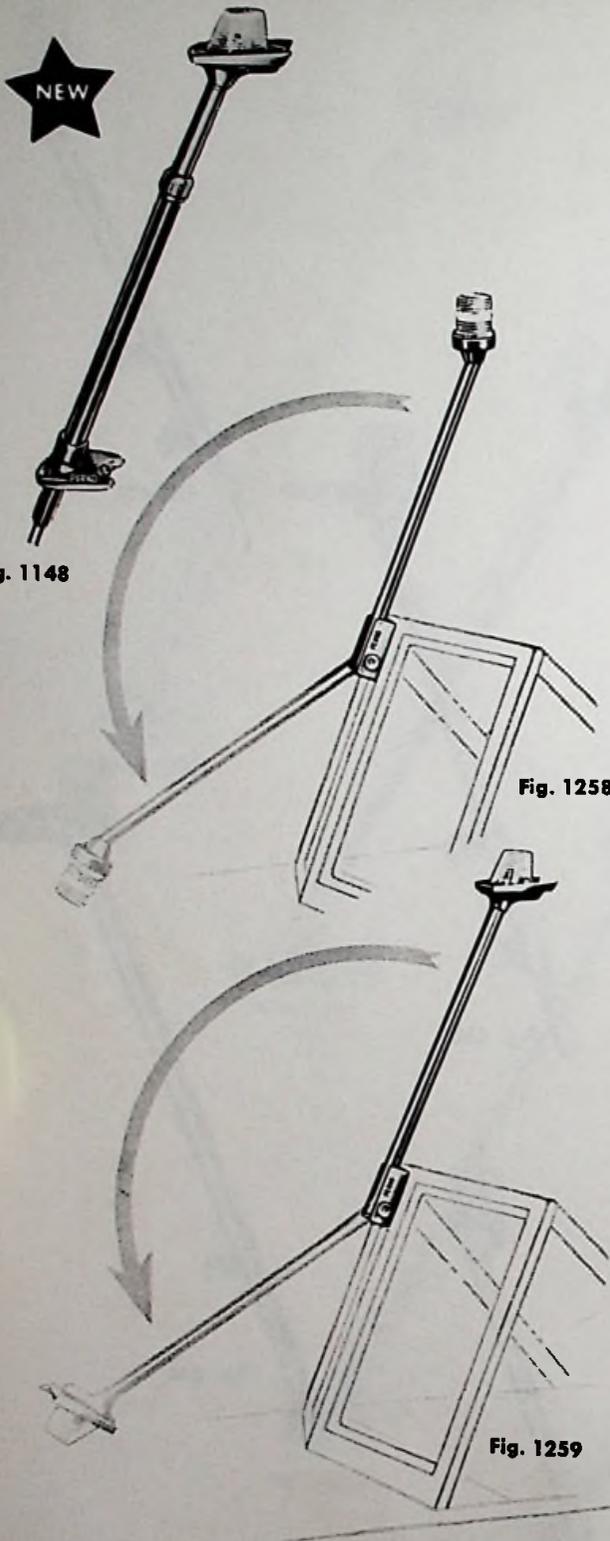


Fig. 1148

Fig. 1258

Fig. 1259



Fig. 234

With Brass Snap  
Fig. 235

**NEW TELESCOPING STERN POLE LIGHT — Fig. 1148**  
**Brass Pole — Zamak Die Castings — Chromium Plated —**  
**With 12 Volt, 6 C.P. Bulb**

The vertical height of this light is adjustable from a minimum of 6 inches to a maximum of 52 inches. Illustration shows two adjusting nuts; height can be changed at either point. Light is designed to extend above most obstructions such as navy tops, standing passengers, etc.

Each	Diameter Lower Tubing Inches	Dimensions Base Inches	Weight Pounds
\$16.00	3/4	3 3/4 x 2 1/8	2



**FOLDING WINDSHIELD ANCHOR LIGHT — Fig. 1258**

**Zamak Globe Holder — Brass Pole — Chromium Plated — Stainless Steel Mounting Bracket — Bayonet D.C. Socket Complete with 12 Volt, 6 C.P. Bulb**

Each	Length Overall Inches	Mounting Bracket Inches	Weight Pounds
\$12.25	20	1 1/8 x 3	7/8



**FOLDING WINDSHIELD ANCHOR LIGHT — Fig. 1259**

**Zamak Globe Holder — Brass Pole — Chromium Plated — Stainless Steel Mounting Bracket — Bayonet D.C. Socket — Complete with 12 Volt, 6 C.P. Bulb**

Each	Length Overall Inches	Mounting Bracket Inches	Weight Pounds
\$12.25	20	1 1/8 x 3	7/8



**HALYARD EYES—Figs. 234 & 235**  
**For Metal Flag Poles—White Nylon**

For quick attachment of flag. Fits 3/4 inch diameter poles.

Fig. 234, \$.15 each.

Fig. 235, \$.50 each.



**SPARE PARTS**

Spare Globes for Figs. 1148 and 1259, see Fig. 281-P.

Spare Globes for Fig. 1258, see Fig. 248-P.

Spare Electric Sockets for all above. \$.95 each.

**POLE LIGHTS — Fig. 491**

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

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
1	\$7.20	\$1.10	1¾	248-P	5	¾	15	5
2	7.80	2.40	2½	250	5¼	¾	21	14



Fig. 491 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. of Globe	Height Overall Inches	Size Base Inches	Maximum Bulb C. P.	Weight Ounces
404			\$7.80	\$1.10	1-1/2	604	3½	2¾	6	7
422	1	\$7.50	8.40	1.10	1-3/4	248-P	6	2¾	15	7
	3	8.80	10.00	1.10	1-3/4	248-P	12	2¾	15	15
438	1		8.35	1.10	1-3/4	248-P	6	3⅜ x 2¼	15	6
421			7.75	.80	2-9/16	281-P	12	3⅜ x 2¼	6	17
455	1		5.75	1.10	1-3/4	248-P	6	3 x 2⅛	15	12
	2		6.35	1.10	1-3/4	248-P	9	3 x 2⅛	15	15



Fig. 404 High Intensity Type



Fig. 422 Standard Type



Fig. 438 Standard Streamline Type

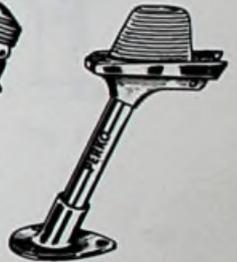


Fig. 421 Tru-Beam Streamline Type

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

Fig. 404 with colored globe, add \$1.00 each. Figs. 422, 438, 455 and 491 have plastic globe, clear only. With clear glass globe Fig. 250, add \$1.50 each. With colored globe, add \$2.00 each.

For selection of colors see Figs. 250 or 604.



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

**Heavy Gauge Plastic**

For use with Figs. 422, 605, 1233 and all other lights using the 1¾ inch or 2½ inch globe.

Each \$2.50



225° Bow Shield Fig. 507



135° Stern Shield Fig. 508



Fig. 455 Economy Type



Fig. 362



Fig. 371

**MAST LIGHTS — Figs. 362 & 371**

**Cast Bronze — Fresnel Globe — Double Contact Socket**

Fig. 362 — Tapped for 1/2 inch pipe.  
 Fig. 371 — Flat base drilled for two flat head screws.

Fig.	Bright Brass Each	Polished Brass Each	Chromium Plated Each	Diam. Globe Inches	Height Overall Inches	Diam. Base Inches	Wt. Lbs.
362	\$8.70	\$9.30	\$9.90	1 3/4	3 1/4	2 1/8	1 1/2
371	7.50	8.10	8.90	1 3/4	2 7/8	2 1/8	3/4

Spare Clear Globes See Fig. 248-P.  
 With Red, Green, or Blue Globe, add \$2.00 each. See Fig. 250.



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		\$7.60	1 1/4	4 1/4	1 1/2
2	\$5.60	7.00	1 1/2	4	1

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



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	\$10.20	\$12.60	\$14.40	6	3	2
104	11.40	14.70	16.20	5 5/8	3	2

Spare clear globes fig. 249, \$3.15 each.  
 Spare sockets fig. 222, No. 1, \$.95 each.  
 With double contact socket fig. 276, add \$1.00 each.



Fig. 329

**MEAL AND ABSENT LIGHT — Fig. 329**  
**Cast Bronze—Watertight**  
**Double Contact Bayonet Socket**

For mounting on yardarm. Supplied with two fresnel globes, one blue, the other clear, Fig. 250.

Polished Bronze Each	Chromium Plated Each	Size Base Inches	Length Overall Inches	Diam. Globe Inches	Wt. Lbs.
\$21.30	\$25.00	3 3/8 x 1 3/4	9	3	2

Bulbs, see Fig. 337 all sizes listed.

**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
\$19.20	\$22.20	\$25.80	\$2.90	\$.55
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 \$1.65 each.

With medium screw socket fig. 346 for 15 watt bulb, add \$2.00 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
\$14.40	\$18.00	\$20.40	8 3/4	3 1/8	5x3 1/2	3 3/4

Spare globes, \$3.80 each. Spare sockets, \$ .95 each.

With red, green, blue or amber globe, add \$2.00 each.

With double contact socket fig. 276, No. 3 add \$1.00 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
\$15.60	\$17.60	\$20.70	\$2.90	\$.55
Height Overall Inches	Diam. Body Inches	Height Lens Inches	Inside Length Neck Inches	Inside Diam. Neck Inches
6 3/4	3 1/2	3 3/8	2 1/2	1 1/4
				Weight Pounds
				2

With Red, Green, Blue or Amber Lens, Add \$1.65 each.

With medium screw socket fig. 346 for 15 watt bulb, add \$2.00 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
\$15.00	\$20.40	\$22.50	9	1 3/4	2 1/2	5x3 1/2	4

Spare globes, \$3.80 each Spare sockets, \$ .95 each.

With red, green, blue or amber globe, add \$2.00 each.

With double contact socket fig. 276, No. 3, add \$1.00 each.

For bulbs see Fig. 340 clear



Fig. 113



Fig. 83

**MAST LIGHT – Fig. 83**

**Cast Bronze – With Threaded Cast Globe Guard  
Integral Cable Entrance With Terminal Tube**

With Fig. 106 Clear Threaded Globe for bulb up to 2 3/8 inch 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 Inclusive
\$26.50	\$34.80	\$36.50	10	1 3/4	2 1/2	5x3 1/2

Spare guards, \$7.00 each. Spare clear globes, \$3.80 each. Spare sockets, \$ .95 each.

With red, green, blue or amber globe add \$2.00 each. With double contact socket fig. 276, No. 3, add \$1.00 ea. For bulbs see Fig. 340 clear



Fig. 145 with Cast Guard

**MAST LIGHTS – Figs. 145 & 309**

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

Fig.	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Spare Clear Globes Each
145	\$19.25	\$21.60	\$23.75	\$3.80
309	11.75	14.00	16.25	3.80

Fig.	Height Overall Inches	Size Globe Inches	Opening In Globe Inches	Tapped for Pipe Size Inches	Wt. Lbs.
145	7 3/4	5x3 1/2	2 3/4	1/2	3 1/4
309	6 1/2	5x3 1/2	2 3/4	1/2	2 1/2

With red, green, blue or amber globe, add \$2.00 each. Spare medium screw sockets fig. 222 No. 1, \$.95 each. With double contact socket fig. 276 No. 3, add \$1.00 each. Spare threaded guards, \$7.00 each.



Fig. 309 without Guard



Fig. 488

**MAST LIGHTS – Figs. 488 & 489**

**Cast Bronze—Clear Fresnel Globe—Medium Screw S**

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.
\$9.50	\$11.50	6	2 3/4	5 1/2 x 2 3/4	1 3/4	1

Chromium plated finish, add \$1.20 to polished price. Spare clear globes fig. 77, \$2.80 each. With red, green or blue globe, add \$1.25 each. Spare electric sockets see Fig. 346 No. 1.



Fig. 489

**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.

**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
\$22.80	\$28.80	2 7/8	5	2 5/8	15/16	1 1/4	2 1/2

For mounting on side of deck house.



**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 Lens

Fig.	Plain Bronze Each	Chromium Plated Each	Height Lens Inches	Weight Each Pounds
911-A	\$11.40	\$14.40	2 1/8	1 1/8
912-A	11.40	14.40	2 1/8	1 1/8
913-A	8.70	10.80	2 1/8	7/8

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

Spare Globes—Clear, Red or Green Fig. 186-P \$\$.80 each.

Spare D.C. Sockets, Fig. 52, \$.55 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 16. Height to bottom of thread is 7/8 inches. Weight is 3 ounces.

Plain Each	Chromium Plated Each	Diam. Overall Inches
\$2.40	\$3.50	2 3/8



**IMPROVED STERN LIGHT — Fig. 939**

For Mounting in Transom — 12 Points — 135 Degrees — Visibility 3 Miles — Rebulbing Thru Front or Back — 18-8 Stainless Steel — Polished

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.

Each	Dimensions Overall Inches	Depth Inches	Weight Pounds
\$10.25	5 7/16 x 3 3/8	1 1/2	1/2

NOTE — not available in 6 or 32 volts.

Spare Bulb \$.55 each.

Spare lens with gasket, \$.75 each.

Spare Nylon socket with connectors, \$.80 each.



Fig. 910-A



Fig. 911-A

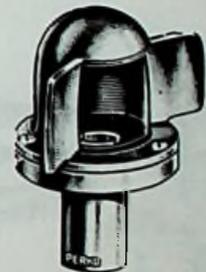


Fig. 912-A

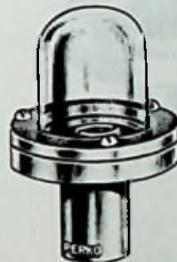


Fig. 913-A



Fig. 938

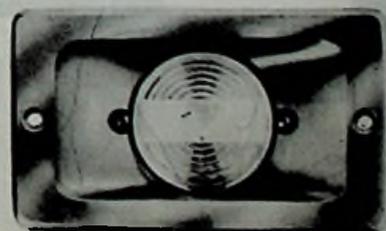


Fig. 939

**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.



Fig. 902

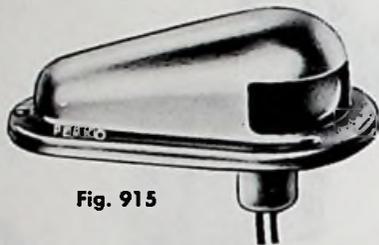


Fig. 915



Fig. 903

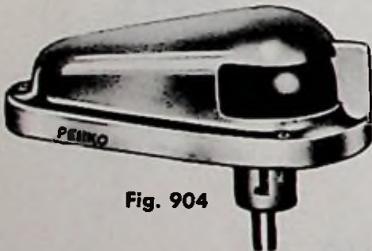


Fig. 904



Fig. 943

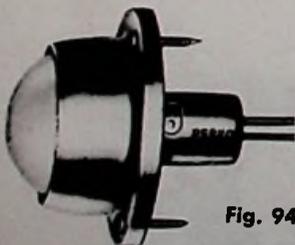


Fig. 945

**SIDE LIGHTS — Fig. 902**

10 Points 112½ Degrees — Visibility 2 Miles — Colored Lens

For mounting on side of deck house or hull.

Per Pair	Length Inches	Width Inches	Depth Inches	Weight Per Pair Ounces
\$11.60	4	2 ½	1 ½	7



**NEW SIDE LIGHTS — Fig. 915**

10 Points — 112½ Degrees — Visibility 2 Miles — Colored Lenses

For Mounting on Deck or Top of Deck House —

Per Pair	Length Inches	Width Inches	Depth Inches	Weight Per Pair Ounces
\$11.60	4	2 ½	1 ½	7



**BOW LIGHT — Fig. 903**

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

Each	Length Inches	Width Inches	Height Inches	Weight Ounces
\$5.80	4	2 ½	1 ½	3 ½



**COMBINATION BOW LIGHT — Fig. 904**

Red and Green Lenses — Visibility 2 Miles

Each	Length Inches	Width Inches	Height Inches	Weight Ounces
\$7.50	4	2 ½	1 ½	3 ½



**BOW LIGHT — Fig. 943**

20 Points—225 Degrees—Visibility 3 Miles—Clear Lens  
For mounting on vertical surfaces. Especially desirable for sailboats.

Each	Height of Light Inches	Diameter of Base Inches	Diameter of Neck Inches	Length Neck Inches	Weight Ounces
\$4.65	1 ¾	2 ¼	¾	7/8	3



**TRANSOM STERN LIGHT — Fig. 945**

12 Points—135 Degrees Visibility 3 Miles—Clear Lens

Each	Height of Light Inches	Diameter of Base Inches	Diameter of Neck Inches	Length Neck Inches	Weight Ounces
\$4.65	1 ¾	2 ¼	¾	7/8	3



Spare Globes, Clear, Red or Green (Fig. 74-P) \$.65 Each  
Spare D.C. Sockets (Fig. 52) \$.55 Each  
Spare Red and Green Special Globe for Fig. 904 — \$1.20 Each  
6 C.P. Bulbs recommended for above lights.

**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.

\$9.30 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.

\$9.30 Per Pair



**BOW OR MASTHEAD LIGHT — Fig. 964**

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

\$4.65 Each



**STERN LIGHT — Fig. 965**

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

\$4.65 Each



**ANCHOR LIGHT — Fig. 966**

32 Points — 360 Degrees — Visibility 3 Miles — Clear Lens — Height Overall 6" — Diameter Base  $2\frac{1}{2}$ " Weight 6 Oz.

\$7.50 Each



**COMBINATION BOW LIGHT — Fig. 972**

Red and Green Lenses — Visibility 2 Miles

\$5.80 Each

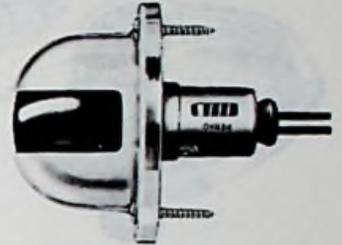


Fig. 962

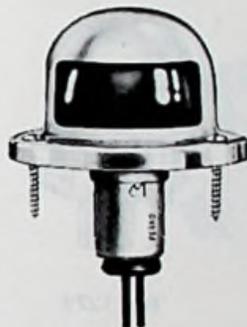


Fig. 963



Fig. 964

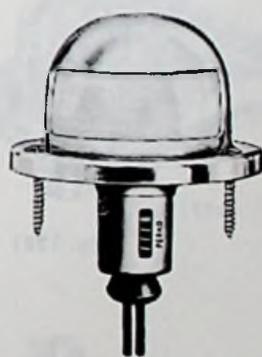


Fig. 965



Fig. 966



Fig. 972

Spare Globes, Clear, Red or Green (Fig. 74-P) \$.65 Each  
 Spare D.C. Sockets (Fig. 52) \$.55 Each  
 Spare Red and Green Special Globe for Fig. 972—\$1.20 Each  
 6 C.P. Bulbs recommended for above lights.

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.

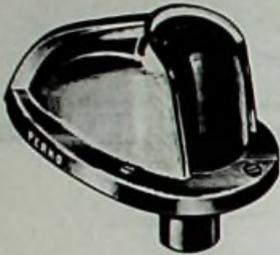


Fig. 1278

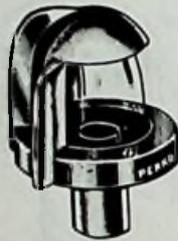


Fig. 1279

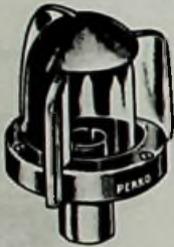


Fig. 1280



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	\$11.25		4 7/8	2 5/8		2 1/4
1279		\$6.35			1	
1280		6.35			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 Lens

Each	Height Lens Inches	Height Light Inches	Diam. Flange Inches	Diameter Neck Inches	Length Neck Inches	Weight Pounds
\$5.00	2 1/8	2 3/8	2 3/8	7/8	1 3/8	3/8



ADJUSTABLE LIGHTS

Fig. 1282 Bow Light & Fig. 1283 Stern Light

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

Each	Height Lens Inches	Dimensions Base Inches	Weight Pounds
\$14.75	2 3/8	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

Spare globes—Clear, Red or Green Fig. 186-P \$.80 each

Spare D.C. Sockets Fig. 52, \$.55 each



Fig. 1282



Fig. 1283

**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
\$8.25	5½	3⅞	1¾	1¾

Spare Lenses, \$.85 each  
Spare Electric Sockets, \$.85 Each.



Fig. 1264

**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
\$5.00	6¼	3⅞	3¼	¾

Spare lenses, \$1.65 each.  
Spare electric sockets, \$.85 each.

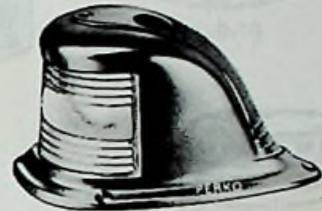


Fig. 1265

**STREAMLINE SIDE LIGHTS — Fig. 1138**

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

Bright Finish Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Spare Lenses Each	Spare Sockets Each
\$33.00	\$37.50	\$39.00	\$3.85	\$.55
Extreme Height Inches	Extreme Length Inches	Height Lens Inches	Weight Per Pair Pounds	
6⅞	9⅞	4¼	3¼	

Spare lenses, see Fig. 259.  
Spare D.C. sockets, see Fig. 52.

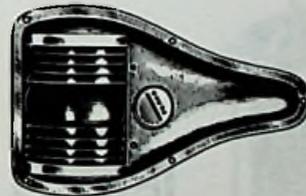


Fig. 1138

**STREAMLINE BOW LIGHT — Fig. 1139**

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

Bright Finish Each	Polished Brass Each	Chromium Plated Each	Spare Lenses Each	Spare Sockets Each
\$20.75	\$22.80	\$24.00	\$3.85	\$.55
Height Inches	Size Base Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
5¼	5⅞ x 9½	4¼	1	2

Spare Lenses, see Fig. 260. Spare D.C. Sockets, see Fig. 52.  
With Flag Pole Socket Add \$1.25 Each. Furnished without  
Flag Pole Socket unless otherwise specified.

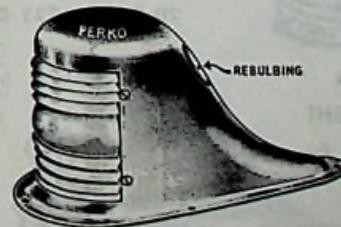


Fig. 1139

Spare rebulbing features for Figs. 1138 & 1139: Polished \$3.00 Each; Chromium Plated \$3.50 Each. Lights on this page cannot be supplied with medium screw socket.



Fig. 89

**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
\$15.00	\$21.50	\$23.50	3 $\frac{3}{4}$	4 $\frac{1}{4}$	3 $\frac{3}{8}$	1 $\frac{1}{4}$

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



Fig. 91

**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	\$21.75	\$34.00	\$38.50	4 $\frac{1}{4}$	3 $\frac{3}{8}$	1 $\frac{3}{4}$
2	22.00	34.25	38.75	5	4 $\frac{1}{4}$	2
3	24.00	37.50	41.50	6	5 $\frac{3}{8}$	3

Spare Lenses, see Fig. 259.



Fig. 92

**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	\$10.75	\$16.75	\$18.50	4 $\frac{1}{4}$	3 $\frac{3}{8}$	1
2	11.00	17.00	18.75	5	4 $\frac{1}{4}$	1 $\frac{1}{2}$
3	11.50	18.00	20.00	6	5 $\frac{3}{8}$	2

Spare Lenses, see Fig. 260.

All above lights with medium screw adapter, Fig. 153, add \$1.20 each.

Spare double contact adapters for above lights, specify Fig. 138, \$3.00 each.

Spare medium screw adapters for above lights, specify Fig. 153, \$3.00 each.



Fig. 98

**BOW LIGHT**

20 Points—225 Degrees

**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	\$12.00	\$18.50	\$20.50	4 $\frac{1}{4}$	5 $\frac{1}{4}$	1 $\frac{1}{2}$
98	3	13.25	19.00	21.30	5 $\frac{3}{16}$	6	2
99	2	10.75	17.00	19.00	4 $\frac{1}{4}$	5 $\frac{1}{4}$	1 $\frac{1}{2}$
99	3	12.00	18.25	20.50	5 $\frac{3}{16}$	6	2

With medium screw socket, add \$1.20 each.

Spare lenses, see Figs. 256 and 269, Classes 2 and 3.



Fig. 99

**STERN LIGHT**

12 Points—135 Degrees

**INTERNATIONAL LIGHTS**

**Fig. 176 Bow Light & Fig. 97 Stern Light**  
 Oil Only—Clear Fresnel Lens—

Fig.	Class	Galv. Each	Polished Brass Each	Height Lens	Height Overall	Weight Pounds
97	2	\$17.00	\$25.80	4 $\frac{1}{4}$	10 $\frac{1}{2}$	3
97	3	18.15	28.00	5-3/16	12 $\frac{1}{2}$	3 $\frac{1}{2}$
176	2	18.15	27.00	4 $\frac{1}{4}$	10 $\frac{1}{2}$	3 $\frac{1}{2}$
176	3	18.75	28.80	5-3/16	12 $\frac{1}{2}$	4

Oil and double contact electric, add \$3.25 each.

Oil and medium screw electric, add \$4.50 each.

Spare lenses, see Figs. 256 and 269, Classes 2 and 3.

Fig. 176  
**BOW LIGHT**  
 20 Points—225 Degrees

Fig. 97  
**STERN LIGHT**  
 12 Points—135 Degrees



**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
\$25.00	\$32.25	\$38.50	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
\$19.25	\$26.75	\$30.75	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
\$19.00	\$27.50	\$29.50	9	4 $\frac{3}{4}$ x4 $\frac{1}{2}$	3-5/16	2 $\frac{5}{8}$

Oil and Electric, add \$3.25 Each.



**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
\$16.50	\$24.00	\$26.00	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
\$34.50	\$48.00	\$52.50	3 $\frac{3}{8}$	9	4 $\frac{1}{4}$	4

Oil and Electric with Fig. 735 Fount, add \$6.50 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 \$1.50 each.

**SPARE PARTS**

	EACH
Lenses, Fig 259, Class 1 Combination	\$3.00
Oil Founts, Fig. 582, Brass, for Fig. 01.	3.00
Oil Founts, Fig. 733, Brass, for Fig. 1	3.25
Oil and Electric Founts, Fig. 733, Brass, for Fig. 1	7.75
Oil Burners, Fig. 246, No. 0, Brass	1.10
Oil Wicks, Fig. 302, No. 0	.09
Electric Sockets, Double Contact, Fig. 276, No. 2	1.10
Electric Sockets, Medium Screw, Fig. 346, No. 1	.75



Fig. 0-1



Fig. 0-10



Fig. 1

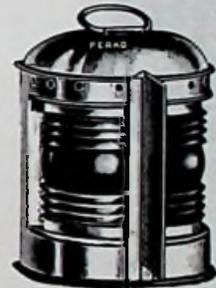


Fig. 3



Fig. 69

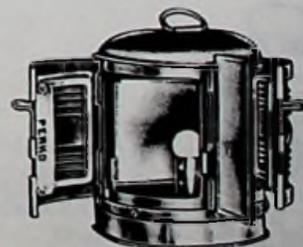


Illustration of Front Doors on Figs. 0-1 and 0-10



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
\$44.00	\$60.00	\$69.00	10 1/2	5 1/4 x 5 1/4	4 1/4	6 1/4



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
\$22.00	\$30.00	\$34.50	10 1/2	5 x 5 1/2	4 1/4	3

With Red, Green, Blue or Amber Lens, add \$3.00 each.

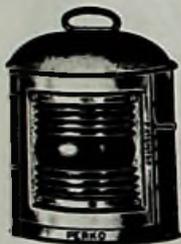


Fig. 0-40

**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
\$31.00	\$45.00	\$54.00	7 1/4	5 1/8 x 5 1/8	4 1/4	5 1/2



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
\$15.50	\$22.50	\$27.00	7 3/8	5 x 5 1/2	4 1/4	2 3/4

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



All lights on this page with medium screw electric socket add \$1.50 each.

**SPARE PARTS**

Lenses, fig. 259, Class 2, for figs. 0-4 and 0-40	\$3.
Lenses, fig. 260, Class 2, for figs. 0-5 and 0-50	3.
Oil Founts, fig. 582, Brass, for figs. 0-4 and 0-5	3.
Oil Burners, fig. 246, No. 1, Brass for figs. 0-4 and 0-5	1.
Oil Wicks, fig. 302, No. 1	.....
Electric Sockets, Double Contact, fig. 276, No. 2	1.
Electric Sockets, Medium Screw, fig. 346, No. 1	.....



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
\$46.50	\$65.00	\$73.00	12 1/4	5 5/8 x 5 5/8	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
\$23.25	\$31.50	\$36.00	12 1/4	5 1/2 x 6 1/8	5-3/16	4

With red, green, blue or amber Lens, Add \$3.50 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
\$34.50	\$48.00	\$57.50	8 1/2	5 5/8 x 5 5/8	5-3/16	7



**DE-LITE BOW LIGHT – 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
\$17.25	\$24.00	\$28.75	8 1/2	5 1/2 x 6 1/8	5-3/16	4

With red, green, blue or amber Lens, Add \$3.50 Each



All lights on this page with medium screw socket, add \$1.50 each.

**SPARE PARTS**

	Each
Lenses, fig. 259, Class 3, for figs. 0-8 and 0-80	\$5.00
Lenses, fig. 260, Class 3, for figs. 0-9 and 0-90	5.00
Oil Founts, fig. 582, Brass, for figs. 0-8 and 0-9	3.00
Oil Burners, fig. 246, No. 1, Brass, for figs. 0-8 and 0-9	1.10
Oil Wicks, fig. 302, No. 1	.10
Electric Sockets, Double Contact, fig. 276, No. 3	1.10
Electric Sockets, Medium Screw, fig. 346, No. 1	.75



Fig. 0-8



Fig. 0-9

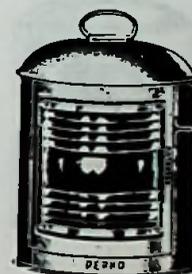


Fig. 0-80

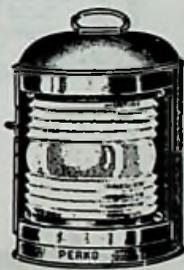


Fig. 0-90



Illustration of Front Door on All Above Lights



Fig. 17



Fig. 18



Fig. 19



Fig. 20

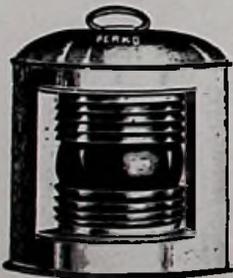


Fig. 4



Fig. 5

**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

**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
\$33.50	\$50.00	\$54.00	10 1/2	4 3/4 x 5 1/2	4 1/4	5 1/2

Combination Oil and Electric, add \$6.50 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 Each Pounds
\$16.75	\$25.00	\$27.00	10 1/2	4 1/2 x 5	4 1/4	3

Combination Oil and Electric, Add \$3.25 Each.

With Red, Green, Blue or Amber Lens, Add \$3.00 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
\$35.00	\$55.00	\$59.00	12 1/2	5 x 6 1/4	5-3/16	7 1/2

Combination Oil and Electric add \$6.50 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 Each Pounds
\$17.50	\$27.50	\$29.50	12 1/2	5 1/2 x 6 1/4	5-3/16	3

Combination Oil and Electric, Add \$3.25 each

With Red, Green, Blue or Amber Lens, Add \$3.50 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
2	\$27.00	\$43.00	\$47.00	7 1/4	4 3/4 x 5 1/2	4-1/4
3	29.00	48.00	52.00	8 1/2	5 x 6 1/4	5-3/16



**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
2	\$13.50	\$21.50	\$23.50	7 1/4	4 1/2 x 5	4-1/4
3	14.50	24.00	26.00	8 1/2	5 1/2 x 6 1/4	5-3/16

With Red, Green, Blue or Amber Lens: Class 2 Add \$3.00 Each; Class 3 Add \$3.50 Each.



All lights on this page with medium screw electric socket add \$1.50 each.

**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
\$13.00	\$18.50	\$21.50	8 $\frac{3}{8}$	4 $\frac{1}{2}$	3-5/16	2

Combination Oil and Electric, add \$3.25 each.



**ANCHOR LIGHT — Fig. 0-6 Senior**  
**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
\$16.25	\$24.50	\$27.50	11 $\frac{3}{4}$	5 $\frac{5}{8}$	4 $\frac{1}{4}$	3

Combination Oil and Electric, Add \$3.25 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	\$11.55	\$15.50	\$19.25
12	13.75	20.50	23.50

Fig.	Height Less Ring Inches	Diam. Base Inches	Height Lens Inches	Weight Pounds
11	6	4 $\frac{1}{2}$	3 $\frac{3}{8}$	1 $\frac{1}{2}$
12	9	5 $\frac{5}{8}$	4 $\frac{1}{4}$	2 $\frac{1}{2}$



With Red, Green, Blue or Amber Lens: Figs. 0-2 and 11, add \$2.75 each; Figs. 0-6 and 12, add \$3.00 each. All above lights with medium screw electric sockets, add \$1.50 each.

**SPARE PARTS**

	Each
Lenses, fig. 261, Clear, for figs. 0-2 and 11	\$2.90
Lenses, fig. 261, Clear, for figs. 0-6 and 12	3.55
Oil Founts, fig. 287, Brass, for fig. 0-2	3.25
Oil Founts, fig. 286, Brass, for fig. 0-6	3.25
Oil and Electric Founts, fig. 735, for fig. 0-2	7.75
Oil and Electric Founts, fig. 736, for fig. 0-6	7.75
Oil Burners, fig. 246, No. 0, Brass, for fig. 0-2	1.10
Oil Burners, fig. 246, No. 1, Brass, for fig. 0-6	1.10



**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
\$38.75	4 $\frac{1}{4}$	14	7	3 $\frac{1}{2}$	4 $\frac{1}{2}$

With Red, Green, Blue or Amber lens, add \$3.00 each. Fig. 596-A Fount complete \$18.00 each. Light only less Fount, \$20.00 each. Spare burners, wicks and chimneys, see Figs. 245 and 272. Spare lenses, see Fig. 261.



Fig. 0-2 Junior



Fig. 0-6 Senior

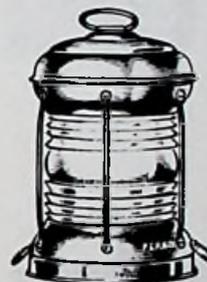


Fig. 11 Junior  
 Fig. 12 Senior



Fig. 596



Fig. 596A



Fig. 48



Fig. 41

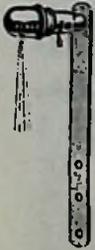


Fig. 707



Fig. 268



Fig. 277



Fig. 265

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

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

500 hours of continuous light on one battery. Uses ordinary 1½ volt dry cell such as Eveready No. 6 or equal. Bulb is Fig. 53, 1.35 volts, .06 amps.

Polished Brass Each	Chromium Plated Each	Height Inches	Diam. Base Inches	Weight Pounds
\$21.50	\$25.00	10½	3	1¼

With battery, add \$2.50 each.

With red, green or blue globe, add \$.75 each.

Spare globes, see Fig. 250

Spare bulbs, \$.44 each.

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

All Brass—Watertight Switch—Clear Globe

Polished Brass Each	Height Inches	Diameter Base Inches	Weight Pounds
\$41.25	9	4	1½

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

Price does not include battery.

With colored globe, red or green, add \$.75 each.

**ELECTRIC COMPASS LIGHT – Fig. 707**

Brass—Chromium Plated

To be mounted on compass box for illuminating compass at night.

Chromium Plated Each	Height Overall Inches	Weight Ounces
\$5.50	8	5

**SPREADER FLOODLIGHT – Fig. 268**

All Brass—Chromium Plated—Sealed Beam  
6 - 12 Volts

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

6 Volt Each	12 Volt Each	Diameter Overall Inches	Depth Inches	Size Mounting Plate Inches	Weight Pounds
\$14.00	\$14.00	4⅝	4¼	5⅝ x 3¼	1¼

Spare sealed beam units, 6 or 12 volts, \$2.90 each  
12 volt will be shipped unless otherwise specified

**"JUNIOR" SPREADER LIGHT – Fig. 277**

All Brass – Chromium Plated  
With 12 Volt, 6 C.P. Bulb

For small sail boats with limited electrical facilities.

Each	Diameter Overall Inches	Depth Inches	Size Mounting Plate Inches	Weight Ounces
\$6.50	3	3	3⅝ x 7/8	5

Will not accommodate a bulb larger than 6 C.P.

**"NON-FOULING" SPREADER LIGHT – Fig. 265**

All Brass – Chromium Plated  
With 12 Volt, 6 C.P. Bulb

For mounting flush to spreader, will not foul sheets or halyards.  
Has many other uses aboard the boat.

Each	Diameter Overall Inches	Depth Inches	Weight Ounces
\$4.50	2¾	1⅞	2½

**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	\$27.00	\$35.00	11	3
2	8	33.00	42.00	14 1/2	6
3	10	59.00	73.00	17 3/8	8 1/2

Distress Light with Red Globe, Add \$7.00 Each  
Also available blue or white frosted globe —  
Same price as red. Electric same price as oil.

**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



**BULKHEAD LANTERN — Fig. 46**

Oil Burning

No.	Galv. Each	Polished Brass Each	Size Body Inches
1	\$33.00	\$54.50	7 x 9 1/2 x 13
2	35.00	67.50	9 x 13 x 17

Supplied for electric only with medium screw socket to order, add \$5.00 each.  
Spare brass founts only, \$8.00 each.  
Spare reflectors, \$6.00 each.  
Spare burners, see Fig. 242 No. 2.  
Spare chimneys, see Fig. 267 No. 2.



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

Oil Burning — Hinged Top — Clear Globe

Galvanized Each	Polished Brass Each	Height Inches	Height cm	Size of Globe Inches	Weight Pounds	Weight kg
\$27.00	\$33.00	11	27.94	4x6 1/2	3	1.36

With Red, Green, or Blue globe, add \$2.00 each.  
With electric adapter fig. 292, add \$1.50 each.



**VISIBLE SIGNAL WHISTLE LIGHT — 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 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.

Each	Height Lens Inches	Height Overall Inches	Height Overall cm	I.P.S. Thread Inches	I.P.S. Thread cm	Weight Pounds	Weight kg
\$72.00	5 1/2	9 3/4	24.76	1	2.54	10	4.53

Please specify color otherwise amber will be shipped.



Fig. 44



Fig. 46



Fig. 49



Fig. 494

**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**  
**Size No. 2 Brass Listed In U.S.C.G. — 293 — Misc. Electrical Equipment List**



Fig. 1150

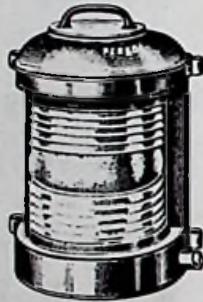


Fig. 1151



Fig. 1152



Fig. 1153  
 Fig. 1154

**SIDE LIGHTS — Fig. 1150**

112 1/2 Degree Red and Green Lenses — 10 Point  
 With Bracket For Mounting

No.	Galvanized Steel Per Pair	Plain Brass Per Pair	Polished Brass Per Pair	Lens Fig. 259 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Per Pair Pounds	Weight Per Pair kg
1	\$138.00	\$186.00	\$198.00	6 3/4	11 1/4	28.57	16 1/4	7.37
2	172.00	228.00	244.00	7 1/2	13 1/4	33.64	24	10.88
3	204.00	264.00	282.00	8 1/2	15 1/2	39.35	30 1/4	13.72

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

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 236 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
1	\$ 69.00	\$ 93.00	\$ 99.00	6 3/4	11 1/4	28.57	9 1/2	4.31
2	86.00	114.00	122.00	7 1/2	13 1/4	33.64	14	6.35
3	102.00	132.00	141.00	8 1/2	15 1/2	39.35	19	8.62

With red or green lens (special purpose), add \$12.00 each.  
 With amber lens in Sizes No. 1 and 2 only, add \$12.00 each.

★  
**STERN LIGHTS — Fig. 1152**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 209 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
1	\$ 69.00	\$ 93.00	\$ 99.00	6 3/4	11 1/4	28.57	8 1/2	3.85
2	86.00	114.00	122.00	7 1/2	13 1/4	33.64	11	4.99
3	102.00	132.00	141.00	8 1/2	15 1/2	39.35	14 1/2	6.58

With red or green lens (special purpose) add \$12.00 each.  
 With 45 degree red lens (for suction dredges) add \$16.50 each.  
 With amber lens in Sizes No. 1 and 2 only, add \$12.00 each.

★  
**ANCHOR LIGHTS — Fig. 1153**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
1	\$ 69.00	\$ 93.00	\$ 99.00	6 3/4	10 1/2	26.67	10	4.54
2	86.00	114.00	122.00	7 1/2	12 3/4	32.39	14 1/4	6.46
3	102.00	132.00	141.00	8 1/2	14 3/8	37.13	20 1/4	9.18

★  
**BREAKDOWN LIGHTS — Fig. 1154**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
1	\$ 76.00	\$100.00	\$106.00	6 3/4	10 1/2	26.67	10	4.54
2	93.50	122.00	130.00	7 1/2	12 3/4	32.39	14 1/4	6.46
3	113.00	144.00	153.00	8 1/2	14 3/8	37.13	20 1/4	9.18

**Recommended For Size Vessel**  
 No. 1 — 65 to 150 Ft.  
 No. 2 — 150 to 300 Ft.  
 No. 3 — Over 300 Ft.

★  
**NOTES**

Above prices do not include bulbs.  
 For double filament bulbs, see Fig. 532.

With medium screw phenolic sockets fig. 346, deduct \$1.00 each.  
 Spare cast bronze watertight caps with gasket, diameter overall 5 3/4", diameter across thread 5". \$8.50 each.

**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  
With Bracket For Mounting

No.	Galvanized Steel Per Pair	Plain Brass Per Pair	Polished Brass Per Pair	Lens Fig. 259 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Per Pair Pounds	Weight Per Pair kg
0	\$126.50	\$174.00	\$186.00	5½	13¾	34.92	14	6.35
1	138.00	186.00	198.00	6¾	15	38.08	16	7.26
2	172.00	228.00	244.00	7½	17½	44.43	25	11.34
3	204.00	264.00	282.00	8½	19¾	50.15	35	15.87

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

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 256 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
0	\$ 63.25	\$ 87.00	\$ 93.00	5½	13¾	34.92	8	3.63
1	69.00	93.00	99.00	6¾	15	38.08	8¾	3.97
2	86.00	114.00	122.00	7½	17½	44.43	15	6.80
3	102.00	132.00	141.00	8½	19¾	50.15	20	9.07

With red or green lens (special purpose), add \$12.00 each.  
With amber lens Sizes No. 0, 1 and 2 only, add \$12.00 each.

★  
**STERN LIGHTS — Fig. 1157**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 269 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
0	\$ 63.25	\$ 87.00	\$ 93.00	5½	13¾	34.92	7	3.17
1	69.00	93.00	99.00	6¾	15	38.08	8	3.63
2	86.00	114.00	122.00	7½	17½	44.43	11	4.99
3	102.00	132.00	141.00	8½	19¾	50.15	17	7.71

With red or green lens (special purpose), add \$12.00 each.  
With 45 degree lens (for suction dredges), add \$16.50 each.  
With amber lens Sizes 0, 1 and 2 only, add \$12.00 each.

★  
**ANCHOR LIGHTS — Fig. 1158**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
0	\$ 63.25	\$ 87.00	\$ 93.00	5½	13¾	33.65	8¾	3.97
1	69.00	93.00	99.00	6¾	14½	36.81	10	4.54
2	86.00	114.00	122.00	7½	17¼	43.80	17	7.71
3	102.00	132.00	141.00	8½	19¾	50.15	23	10.43

★  
**BREAKDOWN LIGHTS — Fig. 1159**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
0	\$ 68.75	\$ 93.00	\$ 99.00	5½	13¾	33.65	8¾	3.97
1	75.00	100.00	106.00	6¾	14½	36.81	10	4.54
2	93.50	122.00	130.00	7½	17¼	43.80	17	7.71
3	113.00	144.00	153.00	8½	19¾	50.15	23	10.43

★  
**ELECTRIC ONLY**

With Fig. 288 Medium Screw Adapter, use above prices.  
With Fig. 1082 3 Wire Mogul Adapter, add \$3.50 each.

**OIL AND ELECTRIC**

With Fig. 288 Medium Screw Adapter, add \$6.50 each.  
With Fig. 1082 3 Wire Mogul Adapter, add \$10.00 each.

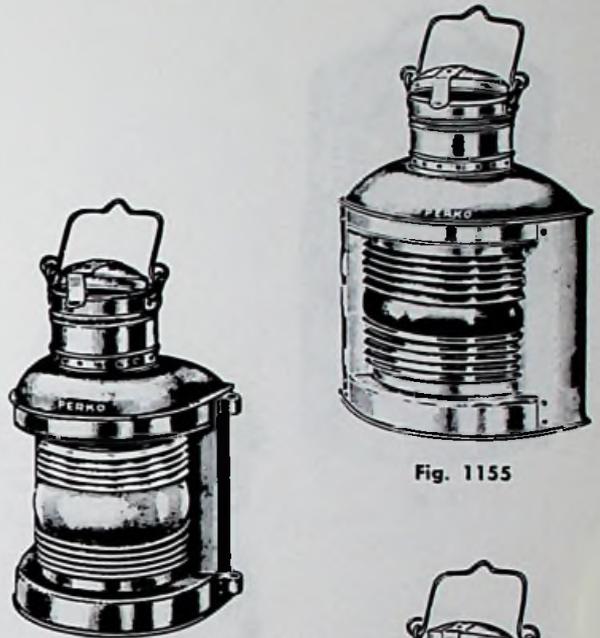


Fig. 1155

Fig. 1156



Fig. 1157



Fig. 1158  
Fig. 1159



No. 0 or 1 Complete \$10.75  
2 or 3 Complete 11.50

Oil Lamp used in Lights on this page

**Recommended For Size Vessel**

- No. 0 — 65 to 90 Ft.
- No. 1 — 90 to 150 Ft.
- No. 2 — 150 to 300 Ft.
- No. 3 — Over 300 Ft.

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

**Flat Top Style — Bottom Opening**

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



Fig. 30



Fig. 983



Fig. 986



Fig. 32  
Fig. 84

**SIDE LIGHTS — Fig. 30**

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

No.	Galvanized Steel Per Pair	Plain Brass Per Pair	Polished Brass Per Pair	Lens Fig. 259 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Per Pair Pounds	Weight Per Pair kg
0	\$104.00	\$146.00	\$158.00	5½	10½	26.67	10½	4.76
1	110.00	158.00	170.00	6¾	11¾	28.89	12	5.44
2	138.00	194.00	212.00	7½	13¼	33.65	21	9.52



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

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 236 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
0	\$ 52.00	\$ 73.00	\$ 79.00	5½	10½	26.67	6¾	3.0
1	55.00	79.00	85.00	6¾	11¾	28.89	7½	3.4
2	69.00	97.00	106.00	7½	13¼	33.65	12¼	5.5

With red or green lens (special purpose), add \$12.00 each.  
With amber lens, add \$12.00 each.



**STERN LIGHTS — Fig. 986**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 269 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
0	\$ 52.00	\$ 73.00	\$ 79.00	5½	10½	26.67	5¾	2.6
1	55.00	79.00	85.00	6¾	11¾	28.89	6¼	2.8
2	69.00	97.00	106.00	7½	13¼	33.65	9½	4.3

With red or green lens (special purpose) add \$12.00 each.  
With 45 degree red lens (for suction dredges) add \$16.50 each.  
With amber lens, add \$12.00 each.



**ANCHOR LIGHTS — Fig. 32**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
0	\$ 52.00	\$ 73.00	\$ 79.00	5½	9¼	23.49	7½	3.4
1	55.00	79.00	85.00	6¾	10¼	26.03	8½	3.8
2	69.00	97.00	106.00	7½	13	33.01	12¾	5.7



**BREAKDOWN LIGHTS — Fig. 84**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Handle Inches	Height Less Handle cm	Weight Each Pounds	Weight Each kg
0	\$ 57.00	\$ 79.00	\$ 85.00	5½	9¼	23.49	7½	3.4
1	61.00	86.00	92.00	6¾	10¼	26.03	8½	3.8
2	77.00	106.00	114.00	7½	13	33.01	12¾	5.7



**NOTES**

Above prices do not include bulbs.  
With 3 wire mogul adapter fig. 1082 for double filament bulb, add \$3.50 each.

Recommended For Size Vessel

No. 0 — 65 to 90 Ft.

No. 1 — 90 to 150 Ft.

No. 2 — 150 to 300 Ft.

**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  
With Bracket For Mounting

No.	Galvanized Steel Per Pair	Plain Brass Per Pair	Polished Brass Per Pair	Lens Fig. 259 Height Inches	Height Less Ring Inches	Height Less Ring cm	Weight Per Pair Pounds	Weight Per Pair kg
0	\$104.00	\$146.00	\$158.00	5½	14	35.54	12½	5.67
1	110.00	158.00	170.00	6¾	15	38.08	13½	6.12
2	138.00	194.00	212.00	7½	18½	46.97	22	9.98



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

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 259 Height Inches	Height Less Ring Inches	Height Less Ring cm	Weight Each Pounds	Weight Each kg
0	\$ 52.00	\$ 73.00	\$ 79.00	5½	14	35.54	7½	3.40
1	55.00	79.00	85.00	6¾	15	38.08	8	3.63
2	69.00	97.00	106.00	7½	18½	46.97	14	6.35

With red or green lens (special purpose), add \$12.00 each.  
With amber lens, add \$12.00 each.



**STERN LIGHTS — Fig. 985**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 259 Height Inches	Height Less Ring Inches	Height Less Ring cm	Weight Each Pounds	Weight Each kg
0	\$ 52.00	\$ 73.00	\$ 79.00	5½	14	35.54	6	2.72
1	55.00	79.00	85.00	6¾	15	38.08	6½	2.95
2	69.00	97.00	106.00	7½	18½	46.97	10½	4.76

With red or green lens (special purpose), add \$12.00 each.  
With 45 degree red lens (for suction dredges), add \$16.50 each.  
With amber lens add \$12.00 each.



**ANCHOR LIGHTS — Fig. 23**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Ring Inches	Height Less Ring cm	Weight Each Pounds	Weight Each kg
0	\$ 52.00	\$ 73.00	\$ 79.00	5½	13¾	33.96	7½	3.40
1	55.00	79.00	85.00	6¾	14¾	36.49	9	4.08
2	69.00	97.00	106.00	7½	17½	44.43	14	6.35



**BREAKDOWN LIGHTS — Fig. 129**

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

No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Lens Fig. 261 Height Inches	Height Less Ring Inches	Height Less Ring cm	Weight Each Pounds	Weight Each kg
0	\$ 57.00	\$ 79.00	\$ 85.00	5½	13¾	33.96	7½	3.40
1	61.00	86.00	92.00	6¾	14¾	36.49	9	4.08
2	77.00	106.00	114.00	7½	17½	44.43	14	6.35



**ELECTRIC ONLY**

With Fig. 288 Medium Screw Adapter, use above prices.  
With Fig. 1082 3 Wire Mogul Adapter, add \$3.50 each.

**OIL AND ELECTRIC**

With Fig. 288 Medium Screw Adapter, add \$6.50 each.  
With Fig. 1082 3 Wire Mogul Adapter, add \$10.00 each.



Fig. 21



Fig. 982



Fig. 985



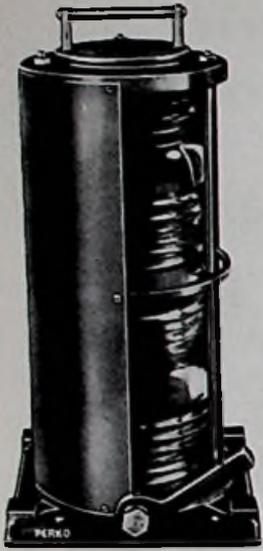
Fig. 23 or 129

Recommended For Size Vessel

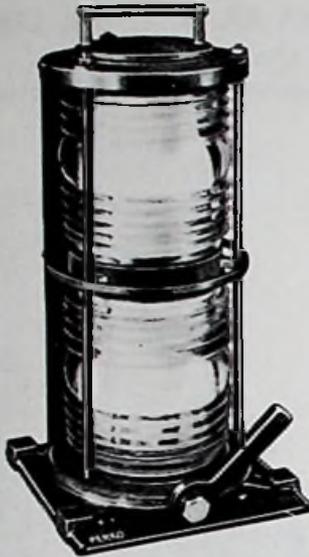
No. 0 — 65 to 90 Ft.

No. 1 — 90 to 150 Ft.

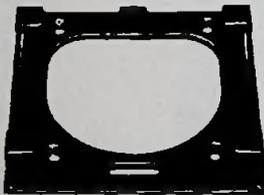
No. 2 — 150 to 300 Ft.



10 Point-112 1/2°  
Fig. 1164



20 Point-225°  
Fig. 1165



Mounting Flange  
Fig. 1171



Fig. 1172-P  
Fig. 1172-S



Fig. 1169-Clear  
Fig. 1170-Red

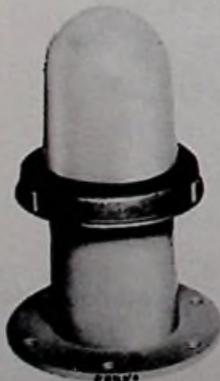


Fig. 1162

**TWO LENS NAVIGATION LIGHTS FOR SHIPS**

Per I.E.E.E. Specification No. 45 Section 34 Paragraph 34.01 — Watertight — Electric Only — Cast Bronze — Listed in U.S.C.G. — 293 — Misc. Electrical Equipment List

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

Fig.	Description	Degrees of Light	Each
1164-P	Side Light — Port — Red	112 1/2	\$150.-
1164-S	Side Light — Starboard — Green	112 1/2	150.-
1165	Masthead, Range Towing — Clear	225	142.-
1166	Stern — Clear	135	142.-
1167	Anchor — Clear	360	134.-
1168	Breakdown — Red	360	148.-

All Above Supplied With Fig. 1171 Mounting Flange. FIGS. 1165 OR 1166 WITH COLORED LENSES, RED OR GREEN. ADD \$12.00 EACH LIGHT.

Spare Lenses Fig. 261 No. 1		Spare Sockets Each	Spare Rubber Lens Gaskets Each
Clear Each	Colored Each		
\$16.50	\$24.50	\$1.45	\$2.20

Height Overall Inches	Height Overall cm	Height Lens Inches	Height Lens cm	Weight Pounds	Weight kg
18	45.70	6 3/4	17.14	30	13.61



**SINGLE LENS LIGHTS**

Per Above Specifications — Cast Bronze

Fig.	Description	Degrees of Light	Each
1169	Anchor — Clear	360	\$80.00
1170	Breakdown — Red	360	87.00
1172-P	Side Light — Port — Red	112 1/2	90.00
1172-S	Side Light — Starboard — Green	112 1/2	90.00
1173	Masthead, Range Towing — Clear	225	87.00
1174	Stern — Clear	135	87.00

Height Overall Inches	Height Overall cm	Height Lens Inches	Height Lens cm	Weight Pounds	Weight kg
10	25.40	6 3/4	17.14	14 1/2	6.58



**ANCHOR AND BOOM LIGHT — Fig. 1162**

For Jack Staff or Mast Mounting. Cast Bronze With Clear Globe and Medium Screw Electric Socket

Height Overall Inches	Height Overall cm	Diameter Base Inches	Diameter Base cm	Weight Pounds	Weight kg	Each
7 1/2	19.05	5 7/8	14.92	4 3/4	2.15	\$35.00

With White Frosted Globe, Same Price, Specify. With Red Globe, Add \$3.00 Each.

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

With Hinged Top For Rebulbing.

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

Size No.	Height Lens Inches	Height Overall Inches	Height Overall cm	I. P. S. Thread Inches	I. P. S. Thread cm	Weight Pounds	Weight kg
2	4 1/4	8 1/4	20.95	3/4	1.90	6	2.72
3	5 1/2	9 3/4	24.76	1	2.54	10	4.53
Size No.	Clear Each	Colored Each	Electrical Equipment				
2	\$34.50	\$37.00	1 medium screw socket				
2-B	44.50	47.00	6 light candelabra unit				
2-C	38.50	41.00	1 mogul 3 wire socket				
3	49.00	57.50	1 medium screw socket				
3-A	54.00	62.00	4 medium screw sockets				
3-C	59.00	67.00	6 light candelabra unit				
3-D	51.50	60.00	1 mogul 3 wire socket				

Shielded to 112 1/2°, 135° or 225°, add \$11.00 each.

All above sockets are Phenolic (Bakelite).

For spare lenses, see fig. 261.

Colored lenses are red, green or amber.



Fig. 403

**BULBS FOR ABOVE**

120 Volt 50 Watt Fig. 340 clear for Nos. 1, 2, 3 \$.70 each.

120 Volt 50/50 Watt Fig. 532 clear for Nos. 2-C, 3-D, \$9.00 each.

120 Volt 15 Watt Fig. 57 Clear with candelabra base for Nos. 2-B and 3-C, \$.95 each.

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

All Cast Bronze — With Watertight Box — Medium Screw Socket — Clear Fresnel Globes — Cast Bronze Guard

SINGLE — DOUBLE AND TRIPLE LIGHTS  
(Triple not illustrated)

Fig.	Each	Height Overall Inches	Height Overall cm	Weight Pounds	Weight kg
540 Single	\$33.00	10 1/4	26.03	6 3/4	3.06
541 Double	78.00	46 1/2	118.09	16	7.26
542 Triple	119.00	82 1/2	209.53	25 1/2	11.56

Note: Double and triple lights with 1/2 inch brass pipe, lights 3 feet apart. Globe accommodates bulb up to 2 3/8 inch diameter inclusive.

TAPPING Fig. 540 with 1/2 inch pipe tap, add \$1.50, with two 1/2 inch pipe taps, add \$2.00

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

SPARE GLOBES clear Fig. 106, \$3.80 each.

COLORED GLOBES can be supplied. Colors are red, green, blue or amber. Add \$1.50 for each globe.

SPARE SOCKETS Porcelain Fig. 222 No. 1, \$.95 each.

SPARE GUARDS Cast Bronze, \$7.00 each.



Fig. 540

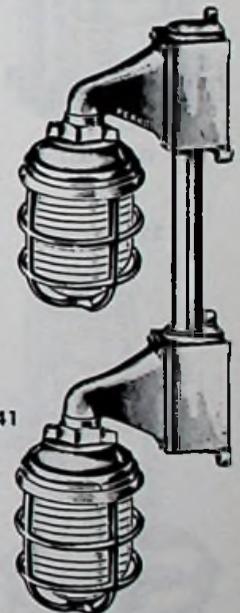


Fig. 541

★ **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	\$21.00	60 to 100	4
1090	Keyless	21.00	60 to 100	4 1/2

Spare Guards, \$6.60 Each. Spare Globes, \$1.65 Each

Above fixtures have one 1/2 inch I.P.S. tapping. Extra tapping \$1.00 per hole.



Fig. 1087  
Ceiling Type



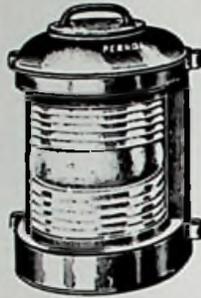
Fig. 1090  
Bulkhead Type

**SELF CONTAINED BATTERY NAVIGATION LIGHTS**

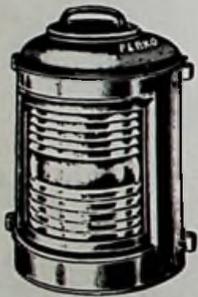
For Oil Carriers, Barges, Scows, Etc.



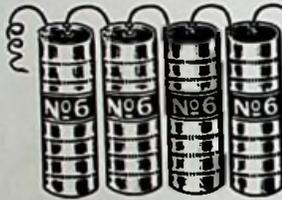
**Fig. 1001**  
Side Lights  
112½ Degrees



**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 4 NO. 6 DRY CELLS IN SERIES — PARALLEL  
(3 VOLTS) — WITH SWITCH

	Fig. 1001 Red and Green Per Pair	Fig. 1002		Fig. 1003	
		Clear Each	Amber Each	Clear Each	Amber Each
Galvanized	\$150.00	\$ 95.00	\$107.50	\$ 95.00	\$107.50
Plain Brass	200.00	124.00	136.50	124.00	136.50
Spare Lenses	31.50	25.50	36.00	15.25	24.50

Fig.	Height Lens Inches	DIMENSIONS		Height Less Handle cm	Weight Pounds	Weight kg
		Height Less Handle Inches	Weight Pounds			
1001	6¾	11 ½	17	29.21	7.2	
1002	7½	13½	15	34.28	6.3	
1003	7½	13½	12	34.28	5.4	

Above prices include bulbs, no batteries.  
Spare bulbs, double contact 2.9 volts, .15 amp. Fig. 337.  
\$2.50 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		Fig. 1014	
		Clear Each	Amber Each	Clear Each	Amber Each
Galvanized	\$117.00	\$79.00	\$92.00	\$79.00	\$92.00
Spare Lenses	31.50	25.50	36.00	15.25	24.50

Fig.	Height Lens Inches	DIMENSIONS		Height Less Handle cm	Weight Pounds	Weight kg
		Height Less Handle Inches	Weight Pounds			
1008	6¾	11 ¼	13	28.57	5.9	
1013	7½	13	12	33.01	5.4	
1014	7½	13	9 ¼	33.01	4.1	

Above prices include bulbs, no batteries. Bulb is double con-  
tact, 2.9 volts, .15 amp. Fig. 337, \$2.50 each. Battery con-  
tainers as illustrated, complete with reflector, socket, bulb  
and switch, without batteries, \$18.00 each.

**30 DAY BATTERY ANCHOR LIGHT — Fig. 470**

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

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

No.	Galvanized Steel Each	Plain Brass Each	Height Lens Inches	Height Overall Inches	Height Overall cm	Weight Pounds	Weight kg
1	\$46.00	\$57.50	4 1/4	14 1/2	36.81	5 1/2	2.49
2	62.00	76.50	5 1/2	15 3/4	39.99	8	3.63

Light shielded to 112 1/2, 135 or 225 degrees, add \$11.00 Each.  
Spare Battery Containers, Galv. \$14.00 each. Brass \$18.00 Each.



Fig. 470



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

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

Uses 6 standard 1 1/2 volt No. 6 dry cells available anywhere. Over 1500 hours continuous light on one set of batteries.

No.	Galvanized Steel Each	Plain Brass Each	Height Lens Inches	Height Overall Inches	Height Overall cm	Weight Pounds	Weight kg
3	\$81.00	\$95.00	5 1/2	16 3/4	42.52	9	4.08

Light shielded to 112 1/2, 135 or 225 degrees, add \$11.00 each.  
Spare Battery Containers, Galv. \$18.00 each. Brass \$22.00 each.



Fig. 474



**60 DAY BATTERY FLASHING LIGHT — Fig. 485**

**360 Degree Clear Fresnel Lens — Waterproof —  
With Watertight Switch and 5 Volt .09 Amp. Bulb**

Flashes continuously at 75 to 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 incandescent bulb, sealed watertight timing mechanism and 4 No. 6 Dry Cells. All wired and hooked up ready for operation. Replacement batteries available anywhere.

No.	Galvanized Steel Each	Plain Brass Each	Height Lens Inches	Height Overall Inches	Height Overall cm	Weight Pounds	Weight kg
1	\$95.00	\$105.00	4 1/4	14 1/2	36.81	13	5.90

Light Shielded to various degrees. Add \$11.00 Each.



FIG. 485



**SPARE PARTS FOR FIGS. 470 & 474**

- No. 1 Red, Green or Amber Lens, add \$3.00 each.
- Nos. 2 & 3 Red, Green or Amber Lens, add \$7.00 each.
- Spare Bulbs, 6 Volt .04 Amp. Miniature Base. \$.37 each.
- Spare Lenses Fig. 261.
- Spare Switches Fig. 745.
- Spare Sockets, \$.55 each.
- Spare Socket Holder with socket, \$2.40 each.

**SPARE PARTS FOR FIG. 485**

- Spare Bulbs, \$.50 each.
- Spare Timing Mechanisms, \$23.00 each.
- With Red, Green or Amber Lens, add \$3.00 each.
- Spare Lenses, see Fig. 261. Spare Switches, see Fig. 745.
- Spare Battery and Timer Containers, Galvanized, \$13.75 each.
- Brass \$18.00 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.

## 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 Medium Screw

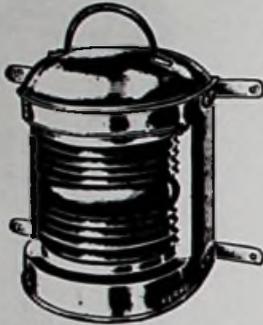


Fig. 29

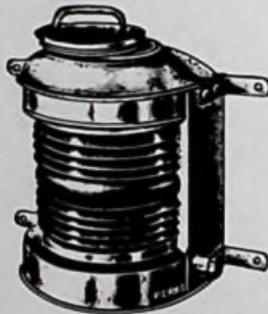


Fig. 31

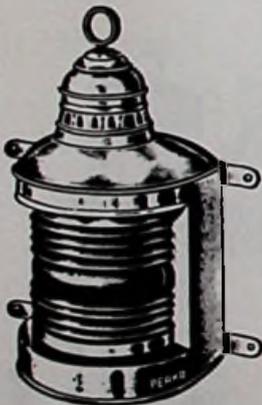


Fig. 59



Fig. 126

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	Plain Brass Each	Height Lens Inches	*Height Overall Inches	*Height Overall cm
29	Electric only			7 3/8	13 1/4	33.65
31	Electric only			7 3/8	13 1/4	33.65
59	Oil or Electric			7 3/8	18	45.70
59	Oil and Electric			7 3/8	18	45.70

		Width Overall Inches	Size Base Inches	Weight Pounds	Weight kg
29	Electric only	14 1/2	9 7/8 x 9 1/8	10 1/4	4.65
31	Electric only	14 1/2	9 7/8 x 9 1/8	12	5.44
59	Oil or Electric	14 1/2	9 7/8 x 9 1/8	12	5.44
59	Oil and Electric	14 1/2	9 7/8 x 9 1/8	12	5.44

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	\$26.00
Electric Socket	1.20
Electric Adapter, Fig. 288, No. 2	6.50
Oil Fount, Fig. 282, No. 2	6.50
Oil Burner, Fig. 242, No. 2	3.50
Oil Wicks, Fig. 302, No. 2	.12
Chimneys, Fig. 267, No. 2	1.55

### 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 — Plain Finish — Watertight — Electric Only

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

	Cast Bronze Each	Cast Aluminum Each	Height Lens Inches	*Height Overall Inches	*Height Overall cm	Bronze Weight Pounds	Bronze Weight kg
Prices on Application	7 1/8		19	48.24	24	10.88	

Mounted on 1 1/2" Brass Pipe and Flange, add \$14.50 Each.

Mounted on 2" Brass Pipe and Flange, add \$31.00 Each.

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

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

**REGULATION PIER LIGHTS**

Cast Bronze or Cast Aluminum — Plain Finish — Watertight. For Piers, Axis, Abutments, Channel Sides or Channel Margins. 180 Degree Red Fresnel Lens. Electric Only — With Medium Screw 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.  
 Fig. 1010 — This is fig. 1005 mounted on 2 inch brass pipe and fittings. Standard length of pipe "A" is 3 1/2 inches.

Fig.	Cast Bronze Each	Cast Aluminum Each	Height Lens Inches	*Height Overall Inches	*Height Overall cm
1005	<b>PRICES</b>		7 3/8	9 1/4	23.49
125	<b>ON</b>		7 3/8	19	48.24
1010	<b>APPLICATION</b>		7 3/8	17 1/2	44.43
	Width Light Inches	Size Base Inches	Bronze Weight Pounds	Bronze Weight kg	
1005	** 9 1/4	8 3/8 x 7 3/8	18 3/4	8.50	
125	8 1/4	5	24	10.88	
1010	8 1/4	6	28	12.70	

\*Height of light does not include handle.  
 \*\*Width is to centers of mounting holes.

Fig. 125 mounted on 1 1/2" brass pipe and flange, add \$14.00 each.

Fig. 125 mounted on 2" brass pipe and flange, add \$31.00 each.

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

NOTE—Figs. 125 and 1010 with special length of pipe, add \$15.00 set up charge then the following for length longer than standard.

- 1" pipe—add \$.50 per inch
- 1 1/2" pipe—add .85 per inch
- 2" pipe—add 1.15 per inch

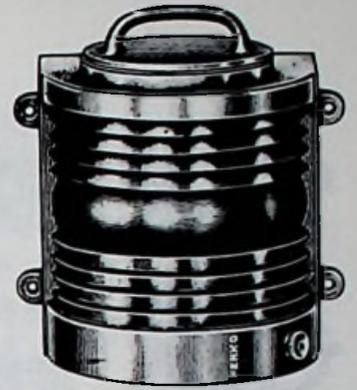


Fig. 1005



Fig. 125

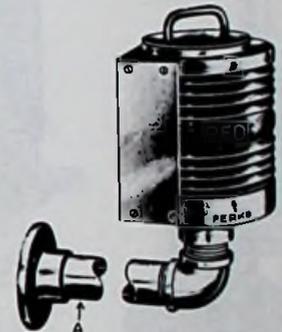


Fig. 1010

**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. 22-29-31-59-125-1005-1010-1012 .... Colored \$26.00 each
- 360 DEGREE LENSES**—For figs. 68-80-126-1006-1011  
Clear \$19.00 each, Colored \$29.00 each
- CAST BRONZE WATERTIGHT CAPS** complete with rubber gasket—For figs. 22-31-35-39-125-126-127-1005-1006-1007-1010-1011-1012 .....\$8.50 each
- RUBBER GASKETS**—For caps .....\$ .35 each
- RUBBER GASKETS**—For 360 degree lenses .....\$3.00 each
- ELECTRIC SOCKETS**—Medium screw—For all lights \$1.20 each
- SOCKET SUPPORTS**—Brass—For all watertight electric lights .....\$1.55 each
- ELECTRIC ADAPTER**—For figs 29-50-59-68-80 ..\$6.50 each
- OIL FOUNTS**—Brass—For figs. 50-59-80 .....\$6.50 each
- OIL BURNERS**—Brass—For above founts .....\$3.50 each
- OIL WICKS**—For above burners .....\$ .12 each
- CHIMNEYS**—For above burners .....\$1.55 each



Fig. 35

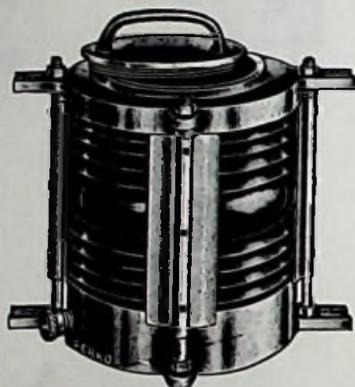


Fig. 39



Fig. 50



Fig. 68

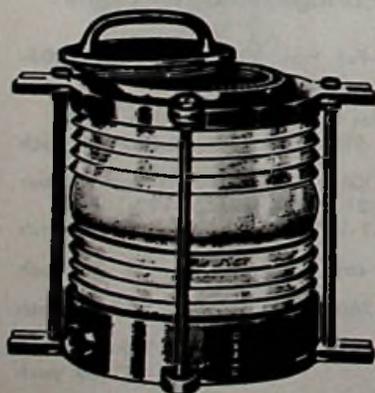


Fig. 1006



Fig. 80

**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 Medium Screw.

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 plain 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.	Galv. Each	Plain Brass Each	Cast Bronze Each	Cast Aluminum Each	Spare Lenses Each
35	Elec. only				
39	Elec. only				
50	Oil or Elec.				
50	Oil and Elec.				

PRICES ON APPLICATION						
FIG.	Height Lens Inches	*Height Overall Inches	*Height Overall cm	Bronze Weight Pounds	Bronze Weight kg	
35	Elec. only	7 3/8	13 1/4	33.65	14 1/4	6.46
39	Elec. only	7 3/8	11 3/4	29.84	21	9.52
50	Oil or Elec.	7 3/8	18	45.70	14	6.35
50	Oil and Elec.	7 3/8	18	45.70	14 1/2	6.58

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

Specify area of lens otherwise 60 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 \$15.00 each. 1 1/2" pipe add \$30.00 each. 2" pipe add \$47.00 each.

**REGULATION MID-CHANNEL SPAN LIGHTS**

For Fixed Bridges — 360 Degree Green Fresnel Lens — Electric Socket Is Medium Screw.

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 plain 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	Plain Brass Each	Cast Bronze Each	Cast Aluminum Each
68	Electric only			
1006	Electric only			
80	Oil or Elec.			
80	Oil and Elec.			

PRICES ON APPLICATION						
FIG.	Height Lens Inches	*Height Overall Inches	*Height Overall cm	Bronze Weight Pounds	Bronze Weight kg	
68	Electric only	7 1/8	12 3/4	32.38	13	5.9
1006	Electric only	7 1/8	9 1/2	24.13	19	8.6
80	Oil or Elec.	7 1/8	17 1/4	43.80	15 1/2	7.0
80	Oil and Elec.	7 1/8	17 1/4	43.80	15 1/2	7.0

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

Can be supplied with clear or red lenses for special purpose.

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

Cast Bronze or Cast Aluminum — Plain Finish — Watertight — Electric Only — Medium Screw Socket — 360 Degree Green Fresnel Lens — 2 Inch Pipe

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. Standard length at "A" and "B" is 2 inches.

Cast Bronze Each	Cast Aluminum Each	Height Lens Inches	*Height Overall Inches	*Height Overall cm	Bronze Weight Pounds	Bronze Weight kg
Prices on Application	7 1/8	20 1/4	51.42	36	16.33	

With Alternate Red and Green 60 degrees or 90 degree Lenses per Fig. 39, add \$35.00 Each.

Special length of pipe at "A" or "B", add \$15.00 set up charge then \$1.15 for each additional inch.

\*Height does not include handle.

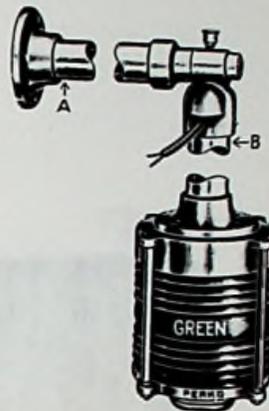


Fig. 1011



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 — Plain Finish — Watertight — Electric Only — Medium Screw Socket

Fig. 22 — Swinging type with fixed extension. Pipe is 2 inch size, 6 inches long. Light contains two 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 2 inch size, 2 inches long at "A" and 6 inches long at "B". Light is the same as Fig. 22 above.

Fig.	Cast Bronze Each	Cast Aluminum Each	*Height Overall Inches	*Height Overall cm	Height Lens Inches	Bronze Weight Pounds	Bronze Weight kg
22	PRICES		30 1/2	77.45	7 3/8	54	24.49
127	ON		18 1/2	46.97	7 3/8	36	16.33
1012	APPLICATION		32	81.26	7 3/8	56	25.40

Supplied in special color combinations if required . . . such as two red or two green lenses . . . also clear or amber lenses at above prices. Special length of pipe at "A" or "B", add \$15.00 set up charge then \$1.15 for each additional inch.

\*Height does not include handle.



Fig. 1211



Fig. 1212



Fig. 1036



Fig. 1045

**AUTHENTIC MARINE TABLE LAMPS**

**Figs. 1211 & 1212**

**All Solid Brass—With Attractive Metalloid Shades**

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, lens and 3 position turn switch.

Fig.	Complete With Shade		
	Polished Brass Each	Chromium Plated Each	Shade Only Each
1211	\$33.00	\$37.00	\$5.50
1212	41.00	45.00	7.50

Fig. 1211 with colored lens (red, green or amber) \$2.00 each.

Fig. 1212 with colored lens (red, green or amber) \$2.40 each.

Fig.	Height Inches	Diameter Base Inches	Size of Shade Inches	Size of Globe Inches	Weight Pounds
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

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

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.

★  
**"PILGRIM" WALL LAMP — Fig. 1036**

**Electric — All Brass — Clear Globe — With Switch**

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

Polished Brass Each	Chromium Plated Each	Height Overall Inches	Diameter Base Inches	Weight Pounds
\$16.00	\$19.50	11 1/4	5	1 1/4

With frosted globe, add \$.50 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	\$38.50	\$58.00	7x 9 1/2 x 13
2	41.00	71.00	9x13 x17

**MARINE HOUSE FIXTURES**

All Brass — Medium Screw Electric Socket — Wired

Flush Canopy — Fig. 1023

No.	Polished Brass Each	Chromium Plated Each
1	\$25.50	\$28.50
2	30.00	33.00

Canopy and Chain — Fig. 1024

No.	Polished Brass Each	Chromium Plated Each
1	\$26.50	\$29.50
2	31.50	34.50
3	88.00	98.00
4	106.00	116.00

Wall Bracket — Fig. 1025

No.	Polished Brass Each	Chromium Plated Each
1	\$27.00	\$30.00
2	32.50	35.50

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 <sup>3</sup> / <sub>8</sub>	4 <sup>1</sup> / <sub>2</sub>	3 <sup>3</sup> / <sub>8</sub>	3	1	\$2.00
2	11 <sup>3</sup> / <sub>4</sub>	5 <sup>3</sup> / <sub>4</sub>	4 <sup>1</sup> / <sub>4</sub>	4	2	2.40
3	14 <sup>1</sup> / <sub>2</sub>	7 <sup>1</sup> / <sub>2</sub>	6 <sup>3</sup> / <sub>4</sub>	10	3	6.00
4	17 <sup>3</sup> / <sub>4</sub>	9 <sup>3</sup> / <sub>4</sub>	7 <sup>1</sup> / <sub>8</sub>	14	4	7.00



FLUSH CANOPY Fig. 1023



CANOPY AND CHAIN Fig. 1024



WALL BRACKET Fig. 1025



Canopy and Chain With White Frosted Globe—Fig. 1032

No.	Polished Brass Each	Height Lamp Only Inches	Diam. Globe Inches	Approx. Weight Pounds
1	\$44.00	11	6	3
2	50.00	14	8	4 <sup>1</sup> / <sub>2</sub>
3	76.00	16 <sup>1</sup> / <sub>2</sub>	10	6 <sup>1</sup> / <sub>2</sub>

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

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



CANOPY and CHAIN WHITE FROSTED GLOBE Fig. 1032



Fig. 242



Fig. 246



Fig. 302

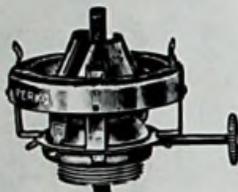


Fig. 245



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 lamp etc.

No.	Per Dozen	Diam. Thread Inches	Width Wick Inches
2	\$42.00	1 1/4	3/8



**BRASS BURNERS — Fig. 246**

No. 0 used in Class 1 lights. No. 1 used in Classes 2 & 3 Lights

No.	Per Dozen	Diam. Thread Inches	Width Wick Inches
0	\$13.20	7/8	1/2
1	13.20	7/8	3/8



**FLAT WICKS — Fig. 302**

	Per Dozen
Flat Wicks, No. 0, 1/2 inch wide	\$1.08
Flat Wicks, No. 1, 5/8 inch wide	1.20
Flat Wicks, No. 2, 3/4 inch wide	1.44



**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
\$36.00	\$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
\$4.50	\$8.00	\$6.50	\$6.50



**LIP OR DUAL CHIMNEYS — Fig. 267**

No.	Per Dozen	Height Inches	Diam. Bottom Inches
2	\$18.50	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 C  
Burner uses Flat Wick Fig. 302, No. 0

Chimneys Per Dozen	Burners Per Dozen	Chimney Size Inches	Burner Thread Inches
\$10.80	\$13.20	4 5/8 x 1 1/2	3/8



**ROUND GLOBES — Fig. 264**

For Fig. 44 Globe or Distress Lights. Supplied in clear, colored or frosted. Colors are Red, Green or Blue. 6 and 10 Inch sizes NOT available in green.

Size Inches	Clear Each	Frosted or Colored Each	Diameter		Height Overall Inches
			Top Inches	Bottom Inches	
6	\$ 7.50	\$12.00	3 3/8	3 3/8	6 3/8
8	10.00	16.00	4	4	7 1/2
10	15.00	24.00	5 3/8	5 3/8	10 1/2



**EAGLE CHIMNEY AND BURNER — Figs. 94 & 173**

Fig. 94 is 6 1/2 or 8 1/2 inches high and 3 inches in diameter. Base weight—4 ounces. Please specify height.

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 \$16.80 per dozen

**OIL FOUNTS AND ELECTRIC ADAPTERS**

All Brass



**SPRING TYPE— For Motorboat Lights**

Fig.	Each	Diameter Overall Inches	Opening In Light Inches	Weight Per Dozen Pounds
286	\$3.25	3 5/8	3 3/8	2 1/2
291	4.50	3 3/4	3 3/8	3
292	4.50	3 5/8	3 3/8	3 1/2
* 733 Oil only	3.25	3 1/2	2 3/8	2
733 Oil and Electric	7.75	3 1/2	2 3/8	3 3/4
736	7.75	3 3/8	3 3/8	4 1/2

\*Supplied without burner or wick.

Fig.	For Lights Figs.
286	06-17-18-19-20-49-176-and 44, 8 inch size
291	4-5-06-12-17-18-19-20-176
292	06-12-17-18-19-20-49-176-408 No. 0 and 44, 8 inch size
* 733	1
733	1
736	06-17-18-19-20



**SWIVEL TYPE — For Motorboat Lights**

Fig.	Each	Diameter Overall Inches	Opening In Light Inches	Weight Per Dozen Pounds
274	\$4.50	4 1/2	4	4
287	3.25	4 1/2	4	3
293	4.50	4 1/2	4	4
735	7.75	4 1/2	4	4 1/2

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



**For Lights for Vessels Over 65 Feet Long**

Size No.	Fig. 282 Only Each	*Fig. 282 Complete Each	Fig. 288 Each	Fig. 1082 Each
0	\$5.75	\$10.75	\$6.50	\$10.00
1	5.75	10.75	6.50	10.00
2	6.50	11.50	6.50	10.00

\*Complete with Burner, Wick and Chimney

Size No.	Height Fig. 282 Inches	Diameter Overall Inches	Diameter Opening in Light Inches
0	2 3/4	4 3/4	3 3/4
1	3 1/2	4 3/4	3 3/4
2	4 1/2	5 3/4	4 3/4

Note — Size No. 2 is also used in all No. 3 size lights on page 29.



**NOTES**

Oil burners and wicks, see Figs. 242, 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 screws sockets for Figs. 274, 288 and 292, see Fig. 346, No. 1.

Chimneys — See Fig. 267

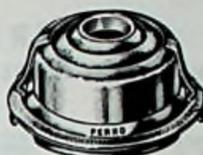


Fig. 286  
Oil

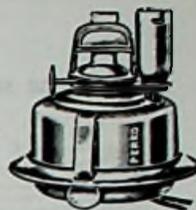


Fig. 736  
Oil and Electric  
Double Contact



Fig. 291  
Electric  
Double Contact



Fig. 733  
Oil and Electric  
Double Contact



Fig. 292  
Electric  
Medium Screw



Fig. 274  
Electric  
Medium Screw



Fig. 287  
Oil



Fig. 293  
Electric  
Double Contact



Fig. 735  
Oil and Electric  
Double Contact



Fig. 282  
Oil



Fig. 288  
Electric  
2 Wire  
Medium Screw



Fig. 1082  
Electric  
3 Wire  
Mogul

FRESNEL LENSES

FOR SIDE AND COMBINATION LIGHTS  
112½ DEGREES

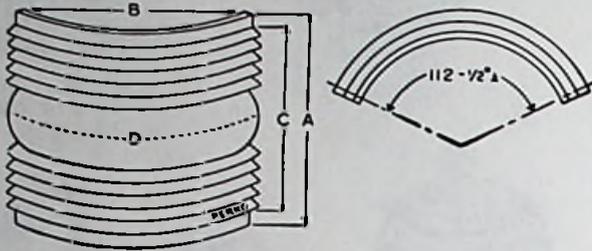


Fig. 259

For Motor Boats	A In.	B In.	C In.	D In.	Red or Green Each
Class 1	3 3/8	2 1/8	2 1/4	3 1/4	\$3.00
Class 2	4 1/4	3 3/8	3 1/8	4 1/2	3.85
Class 3	5 3/8	3 3/8	4 1/4	5 3/8	5.00

For Vessels Over 65 ft.

No. 0	5 1/2	5 3/4	5	8 3/8	\$12.00
No. 1	6 3/4	6	6	8 3/8	15.75
No. 2	7 1/2	8 1/2	6 3/4	11 3/8	21.00
No. 3	8 1/2	9 3/4	7 3/4	13	24.50

FOR ANCHOR LIGHTS—360 DEGREES

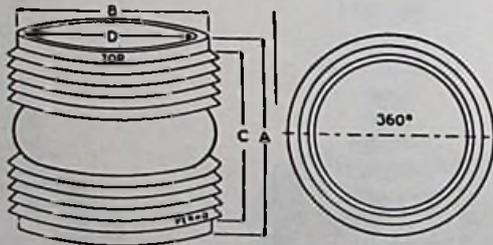


Fig. 261

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Junior	3 5/16	3 3/8	2 3/4	2 3/4	\$2.90	\$3.70
Senior	4 1/4	4	3 3/8	3 3/8	3.55	5.25

For Vessels Over 65 Ft.

No. 0	5 1/2	5 1/2	5	4 3/4	\$12.00	\$19.00
No. 1	6 3/4	5 3/4	6 1/4	4 1/2	16.50	24.50
No. 2	7 1/8	7 3/8	6 1/8	6 7/8	19.00	29.00
No. 3	8 1/2	8 1/2	7 3/4	7 3/4	24.50	38.50

COLORS AVAILABLE

SIZE	COLORS
Junior	Red, Green, Amber, Blue
Senior, 0, 1, 2, 3	Red, Green, Amber

FOR BOW LIGHTS—180 DEGREES

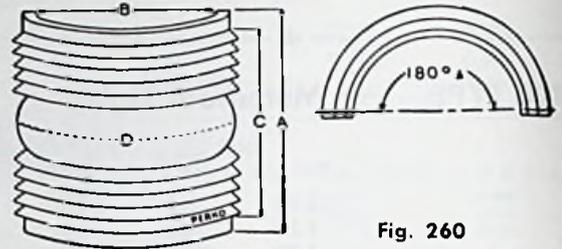


Fig. 260

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Class 1	3 3/8	2 3/4	2 3/4	5 3/8	\$3.70	\$6.00
Class 2	4 1/4	3 3/8	3 3/8	6 3/8	3.85	6.15
Class 3	5 3/8	3 3/8	4 1/8	7 11/8	5.00	7.50
Mid. 59	7 3/8	6 3/8	6 3/8	12 3/8		26.00

COLORS AVAILABLE

SIZE	COLORS
Classes 1, 2, 3	Red, Green, Blue, Amber
Mid 59	Red, Green, Amber

FOR MASTHEAD LIGHTS—225 DEGREES

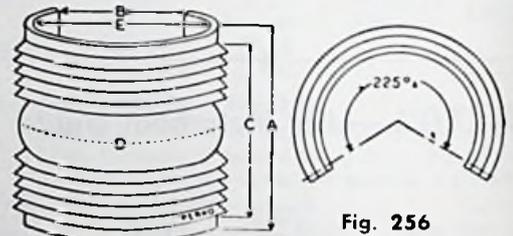


Fig. 256

	A In.	B In.	C In.	D In.	E In.	Clear Each	Colored Each
Class 2	4 1/4	3 3/8	3 3/8	8 3/8	3 3/4	\$ 4.20	
Class 3	5 1/8	3 3/4	4 1/2	10 1/8	4	5.25	
No. 0	5 1/2	4	5	12 1/4	4 3/8	13.25	\$24.75
No. 1	6 1/4	4	6	12 1/8	4 1/2	17.00	28.50
No. 2	7 1/2	5 3/8	6 3/4	16 3/8	6 1/2	25.50	36.00
No. 3	8 1/2	6 3/8	7 3/8	18 3/4	7 3/4	29.50	

COLORS AVAILABLE

SIZE	COLORS
Nos. 0, 1, 2	Red, Amber

FOR STERN LIGHTS—135 DEGREES

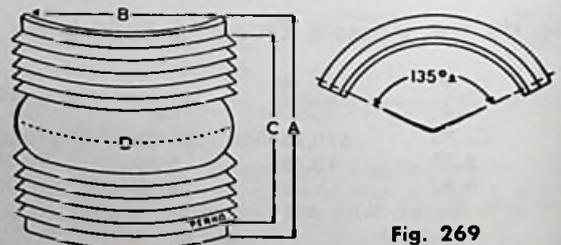


Fig. 269

	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Class 2	4 1/4	3 1/2	3 3/8	4 3/4	\$ 3.65	\$ 7.35
Class 3	5 1/8	3 3/8	4 1/2	6	7.35	9.50
No. 0	5 1/2	4 3/8	4 3/8	7 1/2	11.00	14.00
No. 1	6 3/4	4 3/8	6 3/8	7 1/2	13.25	15.00
No. 2	7 1/2	6 3/8	6 3/8	10	15.25	24.50
No. 3	8 1/2	7 1/2	7 3/4	11 1/2	18.50	28.00

COLORS AVAILABLE

SIZE	COLORS
Classes 2, 3	Amber
No. 0	Red, Amber
No. 1	Red, Blue, Amber
No. 2	Blue, Amber
No. 3	Blue

IMPORTANT NOTE — We are converting to acrylic plastic lenses as fast as the moulds are finished and the glass inventory is depleted. Acrylic lenses offer long life, high efficiency, better color and greatly increased candlepower output.

**FRESNEL GLOBES**

**FOR POLE, MAST AND STERN LIGHTS**

Fig.	Clear Each	Red Each	Green Each	Blue Each	Amber Each
77	\$2.80	\$3.65	\$3.65		
106	3.80	5.25	5.25	\$5.25	\$5.25
248-P	1.10				
249	3.15				
250	2.40	2.90	2.90	2.90	2.90
604-P	1.10	2.10	2.10		

Fig.	Outside Diam. Inches	Height Overall Inches	Diam. Opening Inches	Diam. Thread Inches	Weight Ounces
77	2 5/8	5 1/2	1 7/8	2 3/8	8
106	3 1/2	5	2 3/4	3 3/16	20
248-P	1 3/4	2 1/2	1 11/16	2	1 1/2
249	3	3 5/8	2 1/4	2 3/4	10
250	2 1/2	2 5/8	1 1/2	2	6
604-P	1 1/2	1 7/8	1 13/16	1 1/16	1 3/4

Fig. 77 for Figs. 488 and 489.  
 Fig. 106 for Figs. 83, 112, 113, 145, 309, 540, 541, 542.  
 Figs. 248-P and 250 for Light Figs. 41, 48, 329, 362, 371, 422, 428, 438, 455, 491, 605, 658, 660, 687, 1209, 1223, 1258.  
 Fig. 249 for Light Figs. 103, 104.  
 Fig. 604 HIGH INTENSITY for Light Figs. 404, 609.  
 \*Globes are high grade acrylic plastic.



Fig. 77



Fig. 106



\*Fig. 248-P



Fig. 249



Fig. 250



\*Fig. 604-P

**PLASTIC GLOBES**

**ACRYLIC**

Fig.	Each	Height Inches	Inside Diam. Inches	Weight Ounces
74-P	\$.65	1 1/4	1 3/8	1/2
186-P	.80	2 1/8	1 1/2	3/4
281-P	.80	1 3/4	1 1/8	1

Figs. 74 and 186 in clear, red or green.  
 Fig. 281 in clear only.  
 Fig. 74 for S.S. Lights, Figs. 902, 963 etc.  
 Fig. 186 for Figs. 910A, 911A, 1278, 1279 etc.  
 Fig. 281 for Figs. 421, 1206, 1259.



Fig. 74-P



Fig. 186-P



Fig. 281-P

**GLOBES FOR DOME LIGHTS**

Trade Size Inches	Fig. 132 Each	Fig. 133 Each	Fig. 257 Each	Diameter Overall		
				Fig. 132 Inches	Fig. 133 Inches	Fig. 257 Inches
3	\$1.60		\$1.60	2 3/4	2 3/4	2 3/4
4	2.10	\$3.15	2.10	4	4 1/4	4
5	2.30	3.65	2.30	5	5 3/8	5
6	2.65		2.65	6		6
8	3.40			7 3/4		



Fig. 132



Fig. 133

Fig. 132 frosted, for Figs. 296 and 753.  
 Fig. 133 Opal, for Fig. 385.  
 Fig. 257 diffusing, for Figs. 294, 300, 308 and 555.



Fig. 257

ALL ILLUSTRATIONS

SHOW ACTUAL SIZE OF BASE



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



Fig. 56 Miniature Bayonet



Fig. 53 Miniature Screw

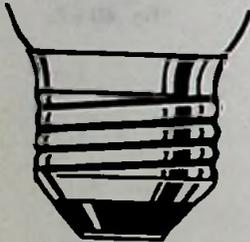


Fig. 340 Medium Screw



Fig. 57 Candelabra Screw

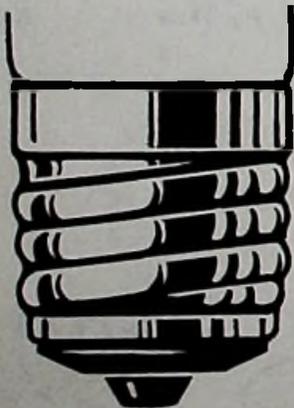


Fig. 532 Mogul



Fig. 70 Cartridge Type

ELECTRIC LIGHTING LAMP

FIG. 337 BAYONET D.C. BASE

No.	Volts	Candle Power	Amps.	Watts.	Diameter Bulb Inches	Clear Each
2—	2-9		.15		1	\$2.50
3—	6-8	3			3/4	.25
4—	6-8	6			3/4	.25
5—	6-8	15			1	.37
8—	* 6-8	50			1-3/8	.65
9—	* 6-8	100			2-1/16	2.20
10—	12-16	4			3/4	.21
11—	12-16	6			3/4	.25
12—	12-16	15			1	.37
13—	12-16	21			1	.40
14—	*12-16	32			1-3/8	.63
15—	*12-16	50			1-3/8	.90
16—	*12-16	100			2-1/16	2.20
16-A—	*24	115			2-1/16	2.20
17—	32	3			3/4	.65
18—	32	6			1	.75
19—	32	15			1	.86
20—	*32	50			1-3/8	1.68
21—	*32	225	3.5		2-1/16	2.40
23—	120			10	7/8	.53

Packed 10 Lamps to a box

FIG. 53 MINIATURE SCREW BASE

1—	1.35	.06	3/8	.44
2—	6	.04	9/16	.37

FIG. 56 MINIATURE BAYONET BASE

1—	1.3	.1	7/16	.34
3—	12	2	9/16	.20
4—	12	3	13/32	.21

FIG. 57 CANDELABRA SCREW BASE

1—	120	15	7/8	.95
----	-----	----	-----	-----

FIG. 340 MEDIUM SCREW BASE

4—	* 6-8	18	108	3-1/8	9.25
5—	12		15	2-1/8	1.45
6—	12		25	2-3/8	
7—	12		50	2-5/8	
8—	*12-18	18	216	3-1/8	10.25
9—	*24		150	3-1/8	11.00
10—	32		15	1-3/8	1.68
11—	32		15	2-1/8	1.15
12—	32		25	2-3/8	
13—	32		50	2-5/8	
14—	*32	8	256	3-1/8	11.00
17—	120		50	2-3/8	.70
19—	120		100	2-3/8	.70
20—	*120		500	2-1/2	16.50

FIG. 532 MOGUL SCREW BASE

1—	120	Double Filament	50-50	3-1/8	9.00
2—	120	Double Filament	100-100	3-1/8	9.00
3—	*120	Single Filament	1000	2-1/8	16.50

FIG. 70 CARTRIDGE TYPE BASE

0—	12	6	.74	17/32 x 1-3/4	.55
1—	12	15	1.17	17/32 x 1-3/4	.55

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

**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.

Each	Length Overall Inches	Width Flange Inches	Weight Ounces
\$3.50	3¾	2⅛	4½

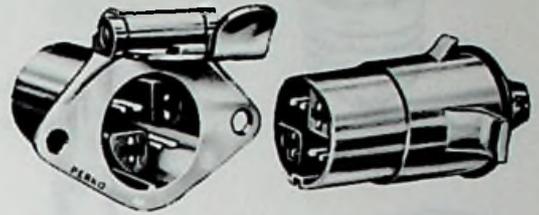


Fig. 739

**4-PRONG CONNECTOR — Fig. 751**

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

Excellent for boat trailer electrical hookups.

Each	Length Overall Inches	Diameter Overall Inches
\$1.65	2	1⅛

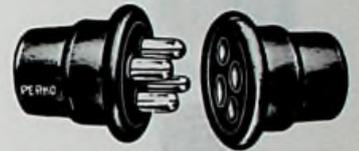


Fig. 751

**DOUBLE CONTACT CONNECTOR — Fig. 749**

Hard Rubber Insulation—Brass Contacts  
Soft Rubber Waterproof Caps

Each	Size Inches	Weight Dozen Ounces
\$.95	1⅝ x 2½	10



Fig. 749

**MIDGET CONNECTOR — Fig. 26**

Bakelite Body—Brass Contacts

Each	Size Inches	Weight Dozen Ounces
\$1.65	¾ x 1⅞	6

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



Fig. 26

**DOUBLE CONTACT CONNECTOR — Fig. 42**

Hard Rubber Insulation—Brass Contacts

Each	Size Inches	Weight Dozen Ounces
\$.85	1 x ¾	6



Fig. 42

**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.

Each	Length Overall Inches	Diam. Thread Inches	Weight Dozen Ounces
\$1.30	1¼	¾	8

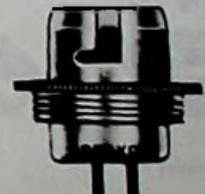


Fig. 355



Fig. 405



Fig. 276



Fig. 222



Fig. 346



Fig. 747



Fig. 52

**ELECTRIC SOCKET ADAPTERS — Fig. 405**  
For Converting Various Types of Sockets

No.	Each
650—From Bayonet Dble. Contact to Med. Screw	\$1.20
670—From Med. Screw to Bayonet Dble. Contact	1.50
X12—From Mogul to Medium Screw	1.50



**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	\$1.10	1 1/2	7
2	1.10	2	11
3	1.10	2 3/8	14
4	1.35	3	16



**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	\$ .95	\$ .12	1 3/8	2 x 1 1/4	1 1/2



**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	\$ .75	1/8	1 7/8	1 3/8	1
2	.75	3/8	1 7/8	1 3/8	1



**BAYONET DOUBLE CONTACT SOCKETS — Fig. 747**  
Brass Case—Hard Rubber Insulation

Each	Length Inches	Outside Diameter Inches	Weight Dozen Ounces
\$1.20	1 1/8	11/16	6

Wires enter bottom, screws in side.



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

Brass Case—Bronze Spring

An improved socket having a single coil spring below contact platform. A more positive contact. Has 5 inch wire pigtails.

Each	Outside Diameter Inches	Length Inches	Weight Ounces
\$ .55	11/16	7/8	1/2

This socket used with the following items:

294	371	428	1138
296	375	491	1139
329	385 #7	521	1144
348	404	555	1282
355	422 #1	980	1283
362	422 #2	984	

Also all International Lights such as Figs. 962, 910A and 1278 series.

**BAYONET SOCKETS – Fig. 472**

Phenolic—Single and Double Contact

No.	Each	Type	Height Inches	Diam. Base Inches	Weight Dozen Ounces
20	\$1.55	Double contact	1	1 3/8	9
21	1.55	Single contact			



Fig. 472

**MOGUL 3-WIRE SOCKET – Fig. 270**

Phenolic—Navy Drawing 9-4779-L

600 Volts—1500 Watts

For use with double filament bulb Fig. 532.

Each	Height Inches	Outside Diam. Inches	C to C of Mounting Holes Inches	Weight Ounces
\$3.75	2 1/8	2 1/8	1 3/8	6

With white metal mounting cap tapped 3/8 inch I. P. S. add \$.40 each.



Fig. 270

**PLASTIC CABLE STRAPS – Fig. 196**

(Meets Military Spec. MIL-P-3412)

Made of pliable butyrate in clear color and ultra-violet stabilized for weather resistance, this new strap eliminates the need for insulating cushion and provides excellent cable support at low cost. Single screw saves labor and fastenings. Width for all cable sizes 1/2". I.D. of fastening hole 3/16".

Cable Diameter Inches	Per 100	Cable Diameter Inches	Per 100
3/16	\$2.90	1/2	\$4.20
1/4	3.10	5/8	5.25
5/16	3.35	3/4	6.25
3/8	3.55		



Fig. 196

**BRASS CABLE STRAPS – Fig. 121**

For Cable, Tubing, Control Wire, Etc.

Inside Diam. Inches	Per 100	Length Inches	Width Inches	Inside Diam. Inches	Per 100	Length Inches	Width Inches
1/8	\$3.50	1 3/8	1/2				
3/16	3.75	1 3/8	1/2	3/16	\$5.00	1 3/8	1/2
1/4	4.15	1 3/8	1/2	1/2	5.35	1 1/2	1/2
5/16	4.15	1 3/8	1/2	3/8	6.25	1 3/4	1/2
3/8	4.60	1 3/8	1/2	3/4	7.00	1 3/8	1/2

Supplied in boxes of 100 pieces.



Fig. 121

**LINE SUPPORT CLIPS – Figs. 163, 164 & 165**

Aluminum—Synthetic Rubber Cushion

Used in the aircraft industry for supporting electrical, fuel, instrument, oil and water lines.

For O.D. Line Inches	FIG. 163 Per 100	FIG. 164 Per 100	FIG. 165 Per 100	Width Inches
3/8	\$10.75	\$18.50		3/8
1/2	9.35	17.00		3/4
5/8	10.25	17.00	\$23.50	1/2
3/4	10.25	17.25	24.50	1/2
1	11.50	19.25	28.50	1/2

Supplied in Boxes of 100 Pieces



Fig. 163 Single



Fig. 164 Double



Fig. 165 Triple

BE SURE TO SPECIFY SIZE.



Fig. 626

**FUSE PANELS — Fig. 626**  
 Molded Plastic Base—Brass Parts  
 For 20 Amp. Glass Fuses

Number of Gangs	Each	Dimensions Inches	Weight Ounces
3	\$1.85	2 1/4 x 2 7/16 x 3/16	2
4	2.55	3 x 2 7/16 x 3/16	2 1/4
5	3.05	3 3/4 x 2 7/16 x 3/16	2 1/2
6	3.75	4 1/2 x 2 7/16 x 3/16	2 3/4



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

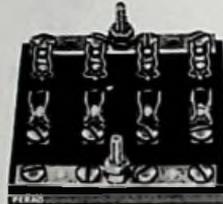


Fig. 647

Number Of Gangs	Each	Dimensions Inches	Weight Ounces
4	\$ 7.00	3 x 3 5/16 x 3/16	3 1/2
6	9.65	4 1/2 x 3 5/16 x 3/16	5
8	12.25	6 x 3 5/16 x 3/16	7
12	17.35	9 x 3 5/16 x 3/16	11



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



Fig. 629

Number Of Gangs	Each	Dimensions Inches	Weight Ounces
4	\$3.00	3 x 2 7/16 x 3/16	2
6	4.65	4 1/2 x 2 7/16 x 3/16	3
8	6.20	6 x 2 7/16 x 3/16	4
12	8.50	9 x 2 7/16 x 3/16	6 1/2



**FUSE PANEL — Fig. 694**  
 Molded Plastic—Brass Metal Parts  
 For Glass Fuses up to 30 Amp  
 For two active fuses and one spare.



Fig. 694

Each	Dimensions Inches	Length Fuse Inches	Weight Ounces
\$1.50	2 7/16 x 1 1/2 x 3/16	1 1/4	1 1/2



**TERMINAL BLOCKS — Fig. 627**  
 Molded Plastic Base—Brass Parts



Fig. 627

Number of Gangs	Each	Dimensions Inches	Weight Ounces
2	\$1.15	1 1/2 x 1 1/2 x 3/16	1 3/4
4	2.20	3 x 1 1/2 x 3/16	2
6	3.30	4 1/2 x 1 1/2 x 3/16	2 1/2

Supplied in even number of gangs only.

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

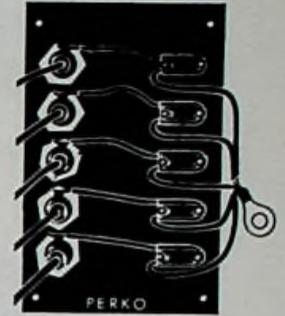
Our stock panel is illustrated. Dealer or user may change name plates as desired as they are removable. For additional selection see Fig. 519. For changes made at factory, add \$1.00 per panel.  
 The fuse holders will accommodate standard 1/4 x 1 1/4 glass tube fuses.

Each	Size Inches	Weight Ounces
\$20.00	6 1/2 x 4 1/4	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	Stbd. Light
Deck Lights	Neutral	Starter
Fan	Off	Stern Light
Flood Lights	On	Switch
Forward	Panel Lights	Throttle
Fuel Pump	Pilot	Towing Lights
Heater	Port Light	Docking Light
Horn	Range Light	6 Volt
Ignition	Reverse	12 Volt
Lights	Siren	32 Volt
Fuel	Tachometer	110 Volt

Per Dozen	Length Inches	Width Inches	Screw Size No.	Weight Per Dozen Ounces
\$4.80	1 1/2	1/2	4	1/2

Packed one dozen each name per box.  
 Less than one dozen each name, \$.60 each.  
 Special name plates in standard size, \$.60 each. Minimum quantity 1 dozen each name.  
 Special name plates in special sizes. Price on application.  
 Minimum quantity, 1 dozen each name.

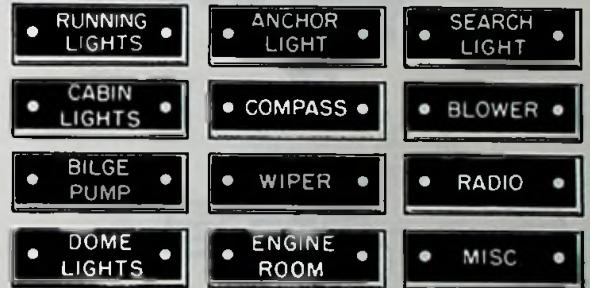


Fig. 519

**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

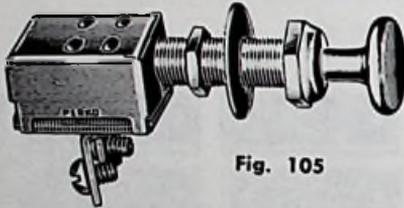


Fig. 105

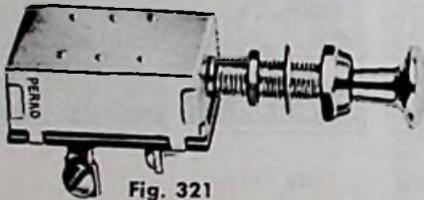


Fig. 321

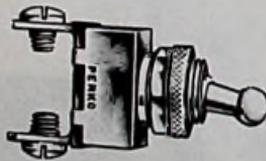


Fig. 688

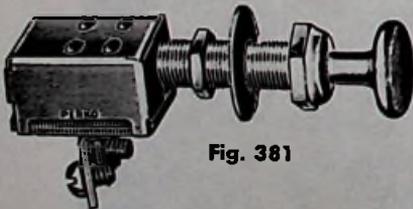


Fig. 381



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
\$6.85	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
\$8.25	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.

No.	Chromium Plated Each	Diam. Neck Inches	For Wood Thickness Inches	Length Overall Inches	Diam. Knob Inches	Weight Ounces
1	\$1.45	¾	1	3	¾	2
2	1.55	¾	1¼	3¼	¾	2½



**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
\$2.10	¾	¾	1	3¼



**TOGGLE SWITCH — Fig. 688**

All Brass—Screw Posts—No Leads—30 Amp.

Nickel Plated Each	Length Neck Inches	Diam. Neck Inches	Weight Ounces
\$0.95	¾	¾	1



**3-POSITION PUSH-PULL SWITCH — Fig. 381**

All Brass—3 Terminal—¾ Inch Chromium Plated Knob

3 position switch—OFF - ON - ON  
First "on" position energizes one circuit. Second "on" position energizes all circuits.

Each	Diam. Neck Inches	For Wood Thickness Inches	Length Overall Inches	Weight Ounces
\$2.05	¾	1	3½	3



**TOGGLE SWITCHES — Fig. 745**

Brass with Bakelite Insulation—With 6 Inch Wire Leads 20 Amp.

Nickel Plated Each	Length Neck Inches	Diam. Neck Inches	Between Lock Nuts Inches	Weight Ounces
\$0.90	¾	¾	¾	¾

With watertight cap and chain, add \$1.10 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
\$1.70	$\frac{3}{8}$	1	2 $\frac{1}{2}$

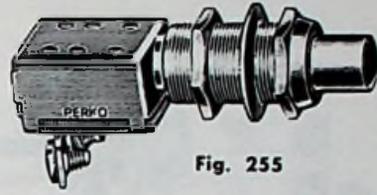


Fig. 255

**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	\$2.75	$\frac{3}{4}$	$\frac{3}{4}$	4
2	3.65	$1\frac{1}{8}$	$1\frac{1}{8}$	4 $\frac{1}{2}$

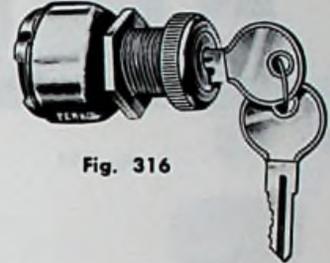


Fig. 316

**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
\$4.15	$\frac{1}{2}$	$1\frac{1}{8}$	4 $\frac{1}{2}$

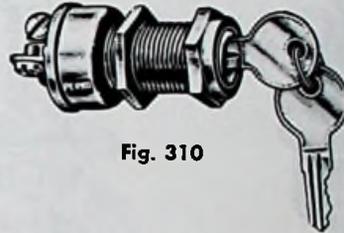


Fig. 310

**3-POSITION PUSH-PULL SWITCH — Fig. 366**

All Brass — 2 Circuit — Off-On-On

For use with combination bow and anchor lights illustrated on pages 6 and 7. First position is off; second position for side, stern and bow lights third position is for anchor light . . . illuminates both compartments of bow-anchor light.

Each	Diam. Neck Inches	Diam. Knob Inches	For Wood Thickness Inches	Weight Ounces
\$2.15	$\frac{3}{8}$	$\frac{3}{4}$	1	3 $\frac{1}{4}$

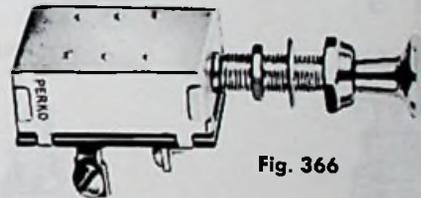


Fig. 366

**IMPROVED SAFETY MAIN SWITCH — Fig. 85-A**

For Two or More Batteries —

Red Plastic Housing — Vapor Proof — Multiple Pole —  
300 Amps — Improved Housing and Contacts —  
For Use With Alternators or Generators.

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.



Fig. 85-A

Each	Diameter Inches	Depth Inches	Weight Ounces
13.75	5	1 $\frac{3}{4}$	10

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 \$.55.



**NEW SAFETY MAIN SWITCH — Fig. 96**

For Single Battery — On and Off — Red Plastic Housing  
— Vapor Proof — 300 Amps for use with Alternators  
or Generators

Same general construction as our well known Fig. 85-A.

Each	Diameter Inches	Depth Inches	Weight Ounces
\$13.75	5	1 $\frac{3}{4}$	10



Fig. 96

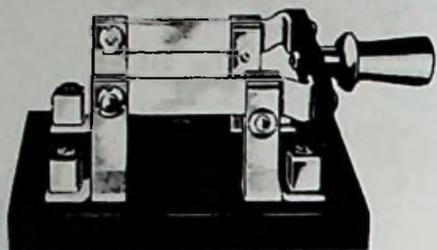


Fig. 191

## KNIFE OR BATTERY SWITCHES — Fig. 191

Ebony Asbestos Base—High Jaws—One or Two Pole—Single or Double Throw—250 Volt D.C.—500 Volt A.C.

## SINGLE POLE—SINGLE THROW

No.	Each	Amps.	Dimensions Base Inches	Weight Pounds
1	\$ 6.40	60	6 3/4 x 1 5/8 x 3/8	3/4
2	12.80	100	6 3/4 x 2 x 3/4	2 1/2
3	21.50	200	10 x 3 x 1	4

## SINGLE POLE—DOUBLE THROW

4	\$10.35	60	9 1/4 x 2 x 3/4	3 1/2
5	23.75	100	10 x 3 x 3/4	4
6	35.50	200	12 x 4 x 1	8

## DOUBLE POLE—SINGLE THROW

7	\$10.00	60	6 x 4 1/2 x 3/8	3
8	19.50	100	7 1/8 x 5 x 3/4	3
9	33.00	200	9 1/2 x 6 x 1	10 1/4

## DOUBLE POLE—DOUBLE THROW

10	\$15.30	60	9 1/2 x 6 x 3/4	5 1/4
11	37.00	100	10 1/4 x 7 x 3/4	8 1/2
12	50.00	200	15 x 7 3/4 x 1	16



Fig. 969



Fig. 968

RECEPTACLES AND PLUGS — Figs. 968, 969, 970 & 971  
Yacht Size—Watertight—Cast Bronze Boxes  
6 to 125 Volts

Fig. 968 Round Flush Type Without Box — 5 Amp. — 2 Wire

Complete With Plug Each	Plug Only Each	Diam. Plate Inches	Depth Inches	Weight Pounds
\$19.00	\$6.25	2 1/4	3/4	1/2

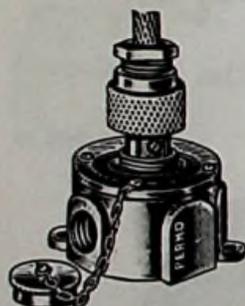
Fig. 969 Round Flush Type With Box — 5 Amp.  
Bottom Inlet — 2 Wire

Complete With Plug Each	Plug Only Each	Diam. Plate Inches	Diam. Box Inches	Depth Box Inches	Weight Pounds
\$22.75	\$6.25	2 1/4	1 3/8	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
\$24.35	\$21.75	\$6.25	3 1/2	2 1/4	1 1/4

Fig. 971  
Surface TypeFig. 970  
Flush Type

## 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 Inches	Weight Pounds
Single Pole	\$18.00	\$17.50	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
\$12.75	\$2.60	3	1 1/2	1 1/4

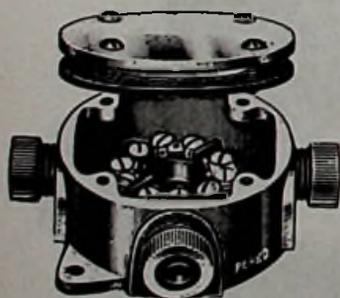


Fig. 1252

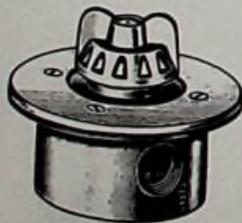


Fig. 974

NOTE: All boxes have one 1/2" I.P.S. Tapping. Extra tapings add \$1.00 for each hole. Packing Glands for above, \$2.00 each. Chromium plated finish supplied to order, price on application

**WATERTIGHT DECK CONNECTIONS — Fig. 1189**

Brass with Plastic Caps —  
Double Contact — Chromium Plated

The caps snap on or off for quick connection.  
The connector is brass, well insulated.

Each	Diameter Inches	Height Inches	Weight Ounces
\$4.30	1 5/8	1 3/16	2



**WATERTIGHT DECK CONNECTION — Fig. 1190**

Zamak with Plastic Caps —  
Double Contact — Chromium Plated

Same as above Fig. 1189 in every detail except metal flange is Zamak.

Each \$2.20



**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
\$2.60	1 1/4



**WATERTIGHT CABLE OUTLET — Fig. 1191**

Zamak — Chromium Plated

Same as above Fig. 424 in every detail except flange and cap are Zamak.

Each \$1.65



**FUSED LINE CONNECTOR — Fig. 786**

Molded Bakelite — With 20 AMP. Fuse and Wire Leads

FOR STANDARD GLASS FUSES 1 1/4 INCHES LONG

Each	Length Inches	Diameter Inches	Weight Ounces
\$ .75	2 1/4	3/8	3/4



**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
\$3.00	2 1/2	1-11/16x1-3/16	1 3/4



**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
\$1.20	2 3/8	2 1/4	1 1/2	1



Fig. 1189



Fig. 1190

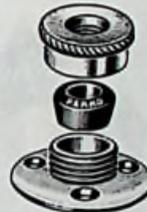


Fig. 424



Fig. 1191



Fig. 786

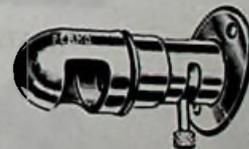


Fig. 184



Fig. 275

**30  
AMP.**



Fig. 1120

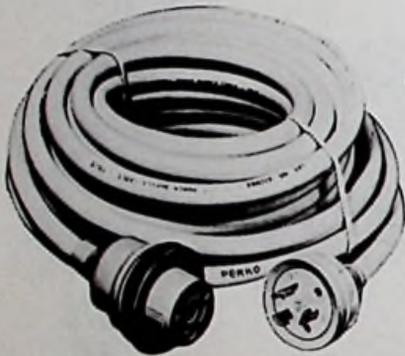


Fig. 1121

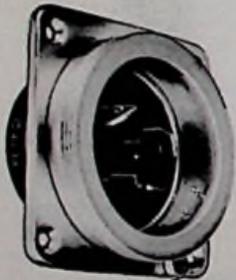


Fig. 1122



Fig. 1123



Fig. 1124

**SHIP TO SHORE CONNECTIONS**  
30 Amp. 125 Volts A.C. or D.C. —  
2 Pole — 3 Wire Grounding

**NEW DOCKSIDE OUTLET RECEPTACLE — Fig. 1120**

3-wire, 30 Amp. "Twist-Lock" outlet with heavy nickel plated brass current carrying contacts is mounted in a non-metallic box. Corrosive "Fiberglas" lift cover plate protects outlet when not in use.

Each \$17.75

**NEW SHIP TO SHORE CABLE — Fig. 1121**

Completely pre-wired assembly. Super "Twist-Lock" connector built into one end of cable plugs into inlet. Body is protected by "Seal-Tite" cover with chrome plated bronze threaded ring. Super "Twist-Lock" cap and "Seal-Tite" cover at shore end of cable plugs into power supply on dock. 3-conductor, UL listed 10 AWG 600 volt cable with yellow vinyl jacket.

25 Foot Lengths, Each \$54.00  
50 Foot Lengths, Each \$66.50

**SHIP RECEPTACLE FOR POWER INLET — Fig. 1122**

Fig. 1122 Ship Receptacle — Polished chrome plated forged bronze screw cap and flange are linked with monel metal ball 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".

Each \$21.00

**LIVE CONNECTOR — Fig. 1123**

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, cover serves as a moisture proof gasket with ship receptacle. Cover grip adjustable from .625" to 1" diameter cable. Unit is easy wired because of exclusive screwless pressure grip terminal. Noncorrosive throughout. Length overall is 3 3/8".

Each \$11.00

**SHORE PLUG TO DOCKSIDE OUTLET — Fig. 1124**

Fig. 1124 Shore Plug — Standard design fits conventional wire grounded dockside receptacles. Embodies the same high quality materials and fabrication as Figure 1123 above. Length overall is 3 3/8".

Each \$6.50

20  
AMP.

**SHIP TO SHORE CONNECTIONS**  
20 Amp. 125/250 Volts A.C. or D.C. —  
3 Wire

**NEW DOCKSIDE OUTLET RECEPTACLE — Fig. 1133**

3-wire, 20 Amp. "Twist-Lock" outlet and a black non-metallic box with two 3/4" I.P.S. molded in knockouts.

Complete Each, \$10.25

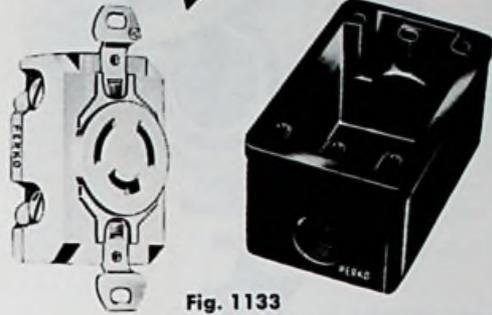


Fig. 1133

**NEW SHIP TO SHORE CABLE — Fig. 1136**

A live connector wired to one end of cable. A shore plug to other end for dockside outlet.

25 Foot Lengths, Each \$47.00  
50 Foot Lengths, Each \$73.00



Fig. 1136

**SHIP RECEPTACLE FOR POWER INLET — Fig. 1125**

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".

Each \$5.80



Fig. 1125

**LIVE CONNECTOR — Fig. 1126**

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".

Each \$6.75

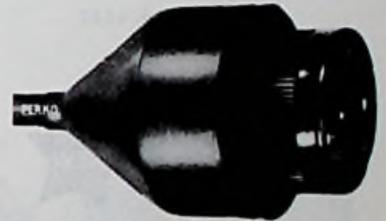


Fig. 1126

**SHORE PLUG TO DOCKSIDE OUTLET — Fig. 1127**

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".

Each \$4.80



Fig. 1127

**SHIP RECEPTACLE FOR POWER INLET — Fig. 1128**  
With Snap Cover

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".

Each \$13.75

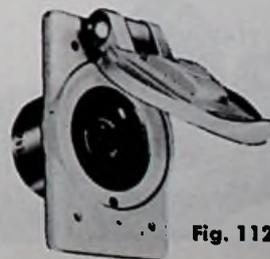


Fig. 1128

**50  
AMP.**

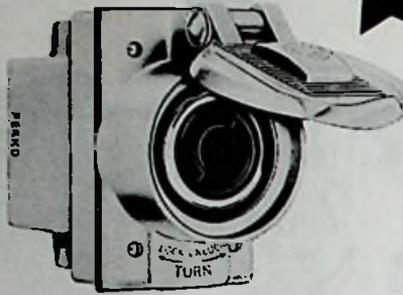


Fig. 1140

NEW

**SHIP TO SHORE CONNECTIONS**  
50 Amp. 125/250 Volts A.C. or D.C. —  
3 Pole, 4 Wire with Equipment Grounded

**NEW DOCKSIDE OUTLET RECEPTACLE — Fig. 1140**

Available for power at dockside, is this 50-ampere "Twist-Lock" outlet (shown here with fiberglass cover and mounted in a yellow fiberglass F.D. box.)

Each \$36.00

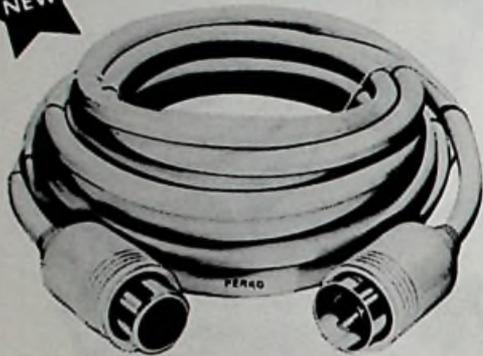


Fig. 1141

NEW

**NEW SHIP TO SHORE CABLE — Fig. 1141**

**No. 6 AWG. Yellow Vinyl Jacketed**

Completely pre-wired assembly. Has connector body at one end protected by a "Seal-Tite" cover. This plugs into power inlet. On other end of cable is also protected by "Seal-Tite" cover for complete weatherproofing at shore end when plugged into outlet.

25 Foot Lengths, Each \$161.00

50 Foot Lengths, Each \$229.00

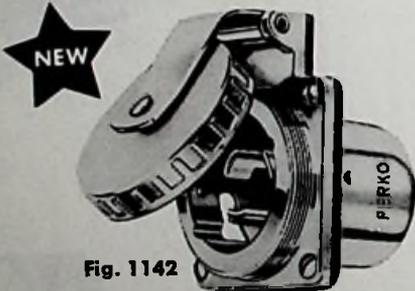


Fig. 1142

NEW

**NEW SHIP RECEPTACLE FOR POWER INLET — Fig. 1142**

This deluxe, chrome-plated power "Twist-Lock" inlet offers convenience of 50 Amp. service together with the important features of positive locking and weather-proofing. The inlet is completely watertight when energized or when not in use.

Additional features are: Compact. Twist Action-Locking Prevents accidental pull-out. Screw-on cover and "neoprene" gasket provides a positive watertight unit. Brass N.P. current carrying parts.

Each \$41.50



Fig. 1143

NEW

**NEW LIVE CONNECTOR — Fig. 1143**

With casing and cord grip of nickel plated brass. Complete with rubber "Seal-Tite" cover.

Each \$34.00



Fig. 1145

NEW

**NEW SHORE PLUG TO DOCKSIDE OUTLET — Fig. 1145**

With casing and cord grip of nickel plated brass. Complete with rubber "Seal-Tite" cover.

Each \$30.00

**NEW CRUISING ADAPTERS—Fig. 1118**

- No. 1 Permits the use of 30 Ampere type A Ship-to-Shore cord sets with 15 ampere 125 volt dock outlets. Each \$21.00.
- No. 2 Permits the use of 30 Ampere type B Ship-to-Shore cord sets with 15 ampere 125 volt dock outlets. Each \$17.00.
- No. 3 Permits the use of 30 Ampere type A Ship-to-Shore cord sets with 20 ampere 125 volt dock outlets. Each \$23.00.

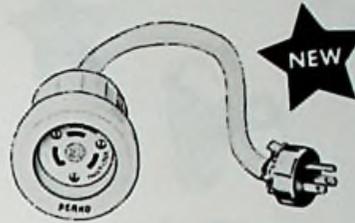


Fig. 1118



**NEW CRUISING ADAPTER—Fig. 1119**

Permits use of 50 ampere Type A Ship-to-Shore cord sets with 30 ampere 125 volt A.C. or D.C. outlets.

Each \$47.00



Fig. 1119



**DUPLEX WALL RECEPTACLE**

Specially designed for Marine Use in Highly Corrosive Atmosphere

Fig. 1131 receptacle is a Navy type unit with all brass metal parts and phosphor bronze contacts. Body is made of high impact Bakelite. Each receptacle will accommodate either standard two pronged plugs or grounded 3 pronged plugs. Unit is fitted with two grounding screws for recommended 3 wire systems. 15 Amp. — 125 Volts.

Each \$2.50



Fig. 1131  
Duplex Wall Receptacle



**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 \$1.05

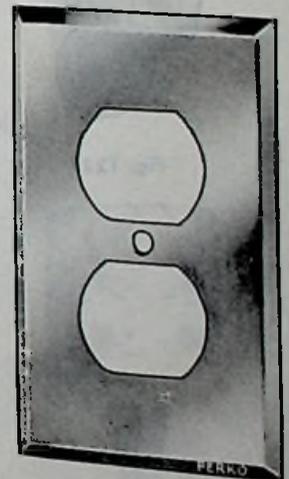


Fig. 1132  
Cover Plate



**LIGHT DUTY SHIP TO SHORE CONNECTOR—Fig. 72**  
110 Volts—25 Amps.—2-Wire

Bakelite base has light duty male terminal. 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
\$3.50	3 1/4	3/4	1 1/4	5

- Part A—Complete with Cap and Chain, each \$2.30
- Part B—Live Connector only, each \$1.00
- Parts B and C—Connector with cover, each \$2.20
- Part C—Less Part B, each \$1.65
- Part A—only supplied complete as illustrated

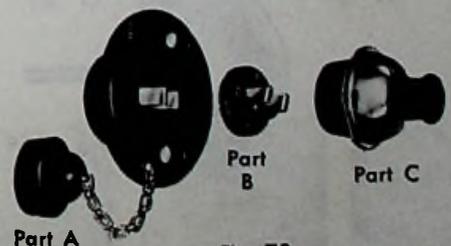


Fig. 72



Fig. 217—Zamak  
Fig. 450—Bronze

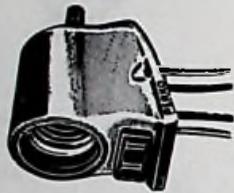


Fig. 1295



Fig. 1237

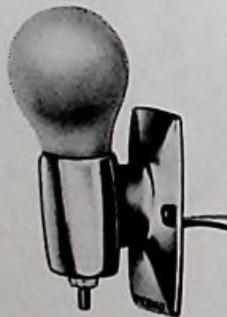


Fig. 1219

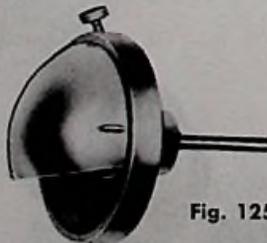


Fig. 1254

**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		\$2.50	2½ x 2¼	2½	8
450	\$6.20	6.60	2½ x 2¼	2½	11

Spare socket with switch, \$1.00 each.



**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
\$3.00	2½ x 2¼	2¼	2½	8½

Spare socket with switch \$1.00 each.

Spare power receptacle \$.45 each.



**OVAL BASE PATTERN — Fig. 1237**  
Zamak Die Casting—Chromium Plated—Turn Switch

Chromium Plated Each	Size Base Inches	Drop Less Lamp Inches	Projection Less Lamp Inches	Weight Ounces
\$3.65	4½ x 1⅝	4½	2⅝	6

Spare socket with switch, \$1.00 each.



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

Each	Base Dimensions Inches	Projection Less Lamp Inches	Weight Ounces
\$4.00	3⅞ x 1½	2⅝	6



**ADJUSTABLE UTILITY LIGHT — Fig. 1254**  
Zamak Die Casting — Chromium Plated — Bayonet D. Socket — Complete With 12 Volt 6 C.P. Bulb — Shield Swivels To Any Desired Position

A shielded light serving numerous requirements. For berths, instrument panels, chart table, etc.

Each	Diameter Overall Inches	Length Neck Inches	O.D. Neck Inches	Weight Ounces
\$3.55	2⅝	¾	⅞	6

With 12 volt 15 C.P. bulb, \$3.80 Each



Fig. 370

**NEW ELECTRIC CABIN FIXTURE — Fig. 370**  
 Anodized Aluminum — Chrome Satin Finish —  
 Translucent White Plastic Shade —  
 Medium Screw Socket — Turn Switch —  
 Adjustable Angle

Each	Height Overall Inches	Normal Projection Inches	Diameter Wall Plate Inches	Weight Ounces
\$6.00	6	6	3 1/4	6



**ADJUSTABLE ELECTRIC BERTH LIGHT — Fig. 341**  
 Anodized Aluminum with Satin Chrome Finish —  
 Push Switch in Wall Plate — Adjustable Angle.

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.



Fig. 341

No.	Each	Height Overall Inches	Normal Projection Inches	Diameter Wall Plate Inches	Weight Ounces
1	\$8.25	5 1/2	4 1/4	3-5/16	5 1/2
2	9.75	7	4 3/4	3-5/16	7



**DOUBLE ADJUSTABLE ELECTRIC BERTH LIGHT — Fig. 354**

Anodized Aluminum with Satin Chrome Finish.

For ship and shore current. Has two medium screw sockets. Shades are adjustable to any angle. Has two push switches, one for each socket.



Fig. 354

Each	Height Overall Inches	Normal Projection Inches	Diameter Wall Plate Inches	Weight Ounces
\$14.75	7	4 3/4	3 5/8	13



**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
\$2.40	\$1.85	4 1/2	4 5/8	1



For Hanging Bulb  
 Fig. 27



For Upright Bulb  
 Fig. 28

**NEW SHIELD DESIGNS NOW AVAILABLE — Figs. 33, 34 & 36**

Same quality and construction as Figs. 27 and 28 above. Attractive two color marine designs suitable for hanging and upright bulb.

Painted Each	Width Inches	Height Inches	Weight Ounces
\$2.40	4 1/2	4 5/8	1

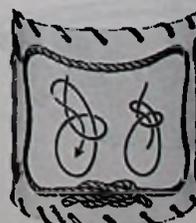


Fig. 33



Fig. 34

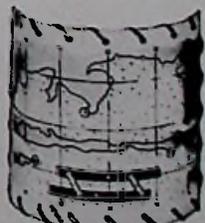


Fig. 36



Fig. 308

**FLUSH TYPE DOME LIGHTS — Fig. 308**  
**Brass — Chromium Plated — With Switch**  
**With Fig. 257 Glass — Double Contact Socket**

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

No.	Diameter Glass Inches	Each	Diameter Overall Inches	Weight Ounces
1	4	\$6.85	4½	7
2	5	7.50	5½	9



Fig. 300

**DOMES 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	\$7.75	5½	1¾	9
2	5	8.50	6½	2	11



Fig. 294 Diffusing  
 Fig. 296 Frosted

**DOMES LIGHT — Figs. 294 & 296**  
**Wrought Brass — Chromium Plated**  
**Toggle Switch — Double Contact Socket**

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

No.	Diam. Glass Inches	Fig. 294 Each	Fig. 296 Each	Base Inches Diam.	Depth Overall Inches	Weight Ounces
1	3	\$10.75	\$10.75	4¼	2	6
2	4	12.25	12.25	5½	2¼	9
3	5	13.75	13.75	6½	2½	14
4	6	16.50	16.50	7½	2¾	20

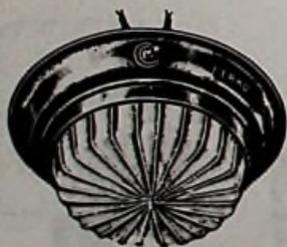


Fig. 385

**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	\$15.00	6	4¼	2¾	12
8	15.50	7	5¾	2¾	15

With Fig. 346 Medium Screw Socket

9	16.00	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. 555

**DOMES LIGHT — Fig. 555**  
**Cast Bronze — Chromium Plated — Toggle Switch — With Fig. 257 Diffusing Glass**

Has Fig. 346 medium screw socket and will accommodate 15-watt bulb, Fig. 340.

Each	Diam. Glass Inches	Diam. Base Inches	Depth Inches	Weight Pounds
\$31.00	6	7¾	3¾	3¾

**NEW SHIP-N-SHORE DOME LIGHT — Fig. 318**

White Translucent Plastic Globe —  
18-8 Stainless Steel Base — Brass Sockets —  
3 Position Toggle Switch for Dual Voltage

Complete with 2, 12 volt and 2, 110 volt bulbs, all double contact bayonet base.

Each	Length Inches	Width Inches	Depth Inches	Weight Ounces
\$15.50	9 3/4	3 3/4	1 7/8	14



Fig. 318



**DOME LIGHT — Fig. 753**

Wrought Brass—Toggle Switch—Nickel Plated Reflector  
Frosted Glass Fig. 132—Medium Screw Socket Fig. 346

Will accommodate bulbs up to 100 watts.

No. 1 has one socket and switch.

No. 2 has two sockets and switches. This light is desirable for ship and shore current.

No.	Chromium Plated Each	Diameter Base Inches	Diameter Glass Inches	Depth Overall Inches	Weight Pounds
1	\$38.00	9 1/2	8	3	2
2	41.00	9 1/2	8	3	2 1/4



Fig. 753



**MODERN DESIGN DOME LIGHTS — Figs. 761 & 763**

Chromium Finish — Nylon Base and Globe —  
With 12 Volt, 15 C.P. Fig. 70 Bulb —  
Impervious to Heat and Salt Atmosphere

Fig. 761 Each	Fig. 763 Each
\$2.75	\$3.00

Figs.	Length Overall Inches	Width Overall Inches	Depth Overall Inches	Weight Ounces
761	7	2 3/4	3/4	2
763	6 1/8	2 3/4	1 1/8	2 1/2



Fig. 761

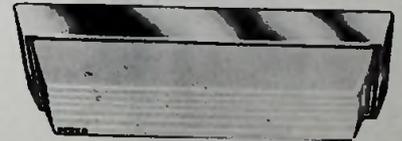


Fig. 763



**WATERTIGHT DOME LIGHT — Fig. 1266**

Cast Bronze—Double Contact Socket—  
Diffusing Globe

For small boats. Will accommodate up to a 1 3/8 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
\$16.00	\$20.50	\$21.50	3 1/2	3 3/4	2 3/4	1 3/4

Spare Sockets, \$.70 each. Spare Globes, \$1.00 each.  
Extra packing glands installed, \$2.50 for each gland.

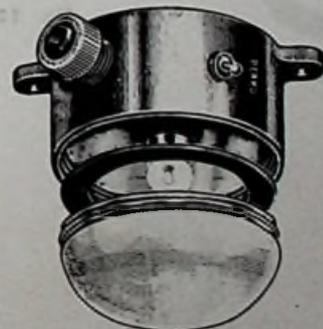


Fig. 1266



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 plate is painted black.

Tin Each	Polished Brass Each	Spare Chimneys Each	Spare Burners Each	Height of Back Inches	Diam. of Fount Inches	Weight Pounds
\$4.75	\$10.75	\$1.30	\$1.30	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	\$18.25	\$21.00	9	5	½	19



Fig. 141

**NEWPORT CABIN OIL LAMP — Fig. 141**

**Double Swing—Weighted Base—All Brass**

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

No.	Polished Brass Each	Chromium Plated Each	Overall Height Inches	Extension Inches	Capacity Fount Pints	Weight Pounds
1	\$21.50	\$23.50	10½	5½	1	1¾
2	22.50	24.50	12½	6	1¼	2



Fig. 128

**SMOKE BELL AND ARM — Fig. 128**

**All Brass**

No.	Polished Brass Each.	Chromium Plated Each	Diam. Bell Inches	Extension to Center Inches	Weight Ounces
0	\$4.75	\$6.25	3½	3½	3½
1	4.75	6.25	4	3¾	4
2	4.75	6.25	4	4	4

No. 0 size is for lamp Fig. 168.

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



**SPARE PARTS FOR CABIN LAMPS**

No.	Each
0 and 1 Spare Burners Fig. 231	\$1.10
0 and 1 Spare Chimneys Fig. 230	.90
2 Spare Burners Fig. 242 No. 2	3.50
2 Spare Chimneys Fig. 267 No. 2	1.55

**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.

**DECK CONTROLLED SEARCHLIGHT — Fig. 538**

With Switch in Head

12 Volts — 50,000 Beam C.P. — Range About ¼-Mile

Each	Diam. Lens Inches	Diam. Base Inches	Height Overall Inches	Weight Pounds
\$16.75	4 ½	3 ½	7 ½	1 ½



Fig. 538

**DETACHABLE HEAD SEARCHLIGHTS — Fig. 539**

With Switch in Head

No. 1 —

12 Volts — 50,000 Beam C.P. — Range About ¼-Mile

No. 3 —

12 Volts — 250,000 Beam C.P. — Range About ⅝-Mile

No. 3 —

32 Volts — 260,000 Beam C.P. — Range About ¾-Mile

No.	12 Volt Each	32 Volt Each	Diam. Lens Inches	Weight Pounds
1	\$22.75		4 ½	1 ⅞
3	35.75	\$39.00	7	2 ½



Fig. 539

**HAND SEARCHLIGHTS — Fig. 440**

Push Button Switch — 8 Feet Coiled Cord — With Cigar Lighter Plug

No. 1 —

12 Volts — 50,000 Beam C.P. — Range About ¼-Mile

No. 3 —

12 Volts — 250,000 Beam C.P. — Range About ⅝-Mile

No. 3 —

32 Volts — 260,000 Beam C.P. — Range About ¾-Mile

No.	12 Volt Each	32 Volt Each	Diam. Lens Inches	Weight Pounds
1	\$21.25		4 ½	1 ¾
3	31.75	\$35.00	7	2 ¾

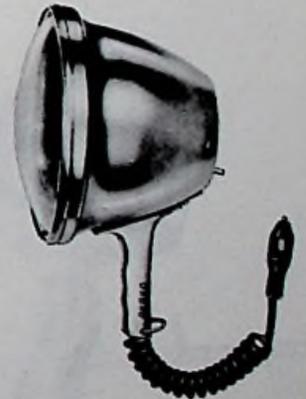


Fig. 440

**SPARE SEALED BEAM SPOTLIGHT UNITS — Fig. 433**

No.	12 Volt Each	32 Volt Each	Diam. Lens Inches	Beam C.P.
1	\$3.75		4 ½	50M
2	6.00		6	200 M
3	6.25		7	250M
3		10.25	7	260 M

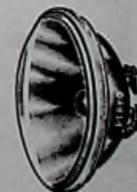


Fig. 433

## PERKO SEALED BEAM SEARCHLIGHTS

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

Size No. 2 — 12 Volts — 200,000 Beam Candlepower — Range About  $\frac{1}{2}$  M  
Size No. 3 — 12 Volts — 250,000 Beam Candlepower — Range About  $\frac{5}{8}$  M  
Size No. 3 — 32 Volts — 260,000 Beam Candlepower — Range About  $\frac{3}{4}$  M  
Horizontal Rotation 350 Degrees

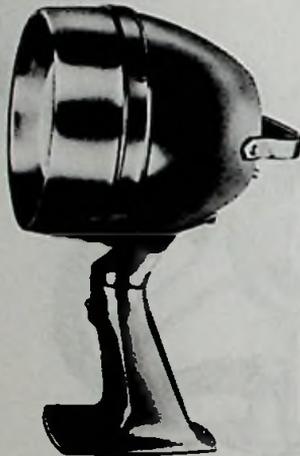


Fig. 534

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	\$51.75		6	4 $\frac{7}{8}$ x 3 $\frac{1}{8}$ x 2	12	4 $\frac{5}{8}$
**3	51.75	\$55.00	7	4 $\frac{7}{8}$ x 3 $\frac{1}{8}$ x 2	12 $\frac{1}{2}$	5

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

## NOTE —

\*\*This size has a larger, more powerful sealed beam. It does not have the lens bezel illustrated. The unit is in by a snap ring. Easily removable for quick replacement.



Fig. 535

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

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

No.	12 Volt Each	32 Volt Each	Nominal Diameter Inches	Dimensions Base Inches	*Height Above Deck Inches	Weight Pounds
2	\$63.25		6	4 $\frac{7}{8}$ x 3 $\frac{1}{8}$ x 2	12	5
**3	63.25	\$66.50	7	4 $\frac{7}{8}$ x 3 $\frac{1}{8}$ x 2	12 $\frac{1}{2}$	5 $\frac{1}{2}$

Available in painted gray finish, deduct \$7.00 each.

\*Height is overall — from deck to top of head.  
Length of control below base, 7  $\frac{1}{4}$  inches  
Length of head overall, 6 inches

For special length of control, price on application.

\*\*See note on fig. 534.

Spare Sealed Beam Units for Above, See Fig. 433.

**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

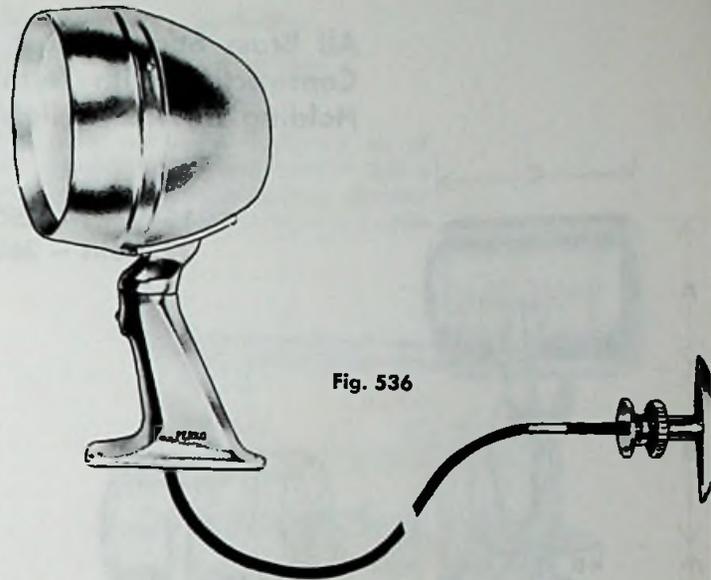


Fig. 536

No.	With 36 inch Control		With 48 inch Control		With 60 inch Control	
	12 Volt Each	32 Volt Each	12 Volt Each	32 Volt Each	12 Volt Each	32 Volt Each
2	\$66.75		\$68.50		\$70.00	
3	66.75	\$70.00	68.50	\$71.75	70.00	\$73.25

No.	Nominal Diameter Inches	Dimensions Base Inches	*Height Above Deck	Length Head Inches	Weight Pounds
2	6	4 7/8 x 3 1/8 x 2	12	6	5
**3	7	4 7/8 x 3 1/8 x 2	12 1/2	6	5 1/2

**SPECIFY SIZE NO. WHEN ORDERING**

\*Height is overall — deck to top of head. Above cable lengths are standard stock.

Special lengths longer than above add \$2.30 per foot or fraction thereof.

Maximum length for smooth operation is 12 feet.

\*\*See note on fig. 534.



**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.

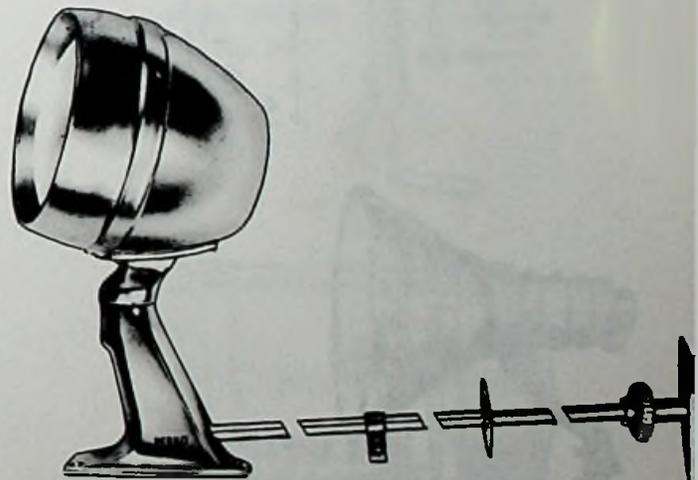


Fig. 537

No.	12 Volt Each	32 Volt Each
2	\$76.00	
3	76.00	\$79.25

No.	Nominal Diameter Inches	Dimensions Base Inches	*Height Above Deck Inches	Length Head Inches	Weight Pounds
2	6	4 7/8 x 3 1/8 x 2	12	6	6 1/2
**3	7	4 7/8 x 3 1/8 x 2	12 1/2	6	7

**SPECIFY SIZE NO. WHEN ORDERING**

\*Height is overall— deck to top of head.

Special lengths of control rod made to order add \$4.00 for each 12 inches up to 12 feet. Supplied in 12 inch multiples only.

Extra rod stanchions, \$3.00 each.

\*\*See note on fig. 534.

Spare Sealed Beam Units for Above, See Fig. 433.

SEALED BEAM YACHT SEARCHLIGHTS

All Brass Body — Cast Bronze Base and Parts — Waterproof Construction with Terminal Tube Cable Entrances — Position Holding Device — Highly Concentrated Spotlight Beam

12 or 32 Volts

12 Volts — 250,000 Beam Candlepower — Range About 5/8 Mil-  
 32 Volts — 260,000 Beam Candlepower — Range About 3/4 Mil-

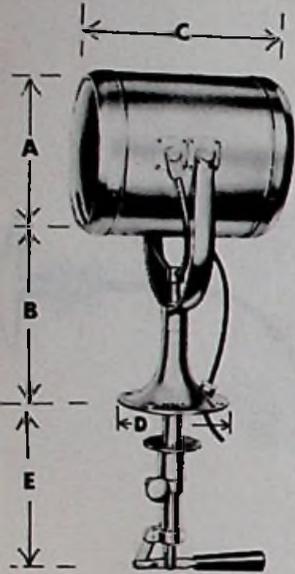


Fig. 305

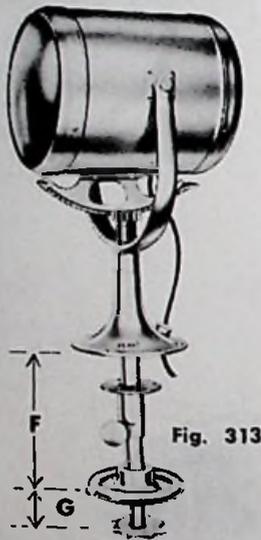


Fig. 313

LEVER CONTROL — Fig. 305

WHEEL CONTROL — Fig. 313

	Painted Gray Each	Polished Brass Each	Chromium Plated Each	
	\$144.00	\$144.00	\$163.00	
"A" Inches	8	8 1/2	10	"D" Inches 5 5/8
"E" Inches	8 1/2	7 1/4	2	Weight Pounds 14

Spare Sealed Beam Units, see Fig. 433 No. 3.

Supplied with standard length of controls only. Special lengths in manufacturing quantity of 25 or more, price on application.

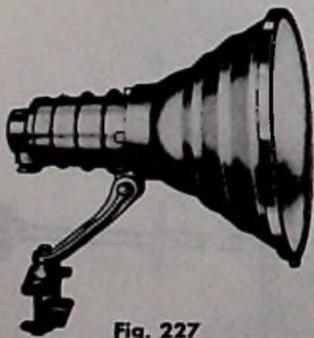


Fig. 227

FLOODLIGHT — Fig. 227

Weatherproof—With Mogul Socket

With polished spun aluminum reflector and heat resisting glass lens. Cast aluminum bracket, spun aluminum housing. For mounting on wall, cross arm or pipe up to 2 1/2 inches.

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



Fig. 228

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	7 1/2	8	4 1/4	100	3

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

**PERKO HIGH POWERED DE LUXE SEARCHLIGHTS**

**With Mirror Reflector—Medium Screw Socket—  
6-12-24-32-120 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.

**LEVER CONTROLLED SEARCHLIGHT**

Fig. 297

Size Inches	Polished Brass Each	Chromium Plated Each
8	\$270.00	\$300.00
10	300.00	333.00
12	370.00	405.00
14	440.00	475.00

**WHEEL CONTROLLED SEARCHLIGHT**

Fig. 529

Size Inches	Polished Brass Each	Chromium Plated Each
8	\$295.00	\$325.00
10	325.00	358.00
12	395.00	430.00
14	465.00	500.00

Above prices do not include bulb.  
See recommendations below.

Size Inches	Diameter Reflector Inches	* Range	* Beam Candle Power
8	8	up to 3/4 mile	350,000
10	10	up to 1 mile	590,000
12	12	up to 1 1/2 miles	700,000
14	14	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	12 3/4	7 3/4	19	6 1/8	30
10	14 3/4	9 1/2	21	6 1/8	34
12	17	11 3/4	24	6 1/8	41
14	19	13 1/2	26	8 1/8	56

**NOTES**

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 6 1/2 inches.

**SPECIAL CONSTRUCTION**—such as length of controls or height of head above flange—Price on application. Give complete details, a sketch if possible.

Spare medium screw sockets, \$1.40 each.

Spare mogul screw socket, \$2.00 each.

\*Bulbs recommended for above Range and Beam Candle-power:

6 Volt—18 Amps.—Fig. 340 No. 4

12 Volt—18 Amps.—Fig. 340 No. 8

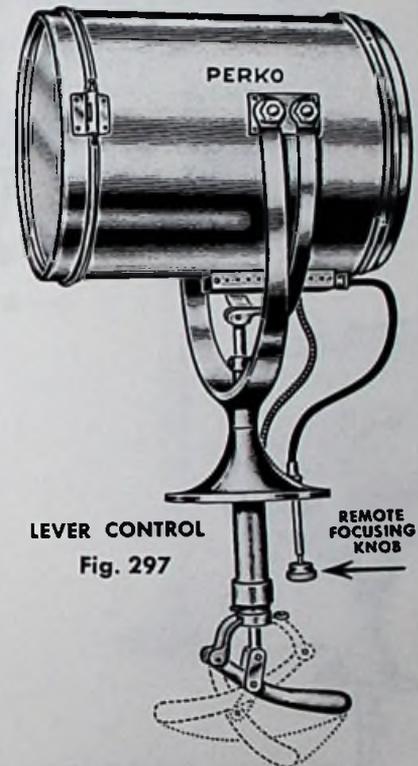
24 Volt—150 Watt—Fig. 340 No. 9

32 Volt—8 Amps.—Fig. 340 No. 14

120 Volt—500 Watt—Fig. 340 No. 20

\*\*120 Volt—1000 Watt—Fig. 532 No. 3

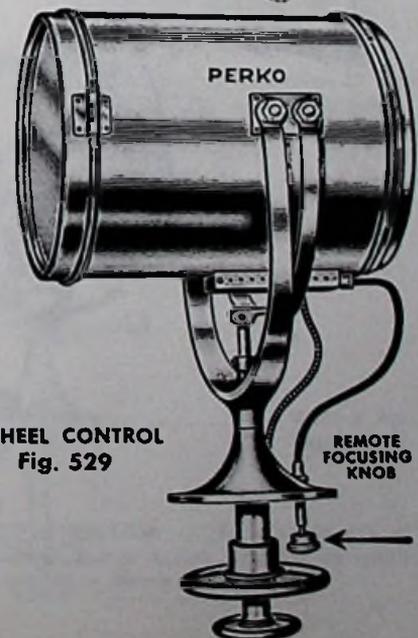
\*\*12 and 14 inch sizes have dual ventilation as standard equipment. Supplied with mogul socket when specified. No extra charge.



LEVER CONTROL

Fig. 297

REMOTE FOCUSING KNOB



WHEEL CONTROL  
Fig. 529

REMOTE FOCUSING KNOB

## PERKO "SOLAR-RAY" SEARCHLIGHTS

High Power — Mirror Reflector — 6-12-24-32-120 Volts —  
Heavy Gauge Brass Body — Cast Bronze Base and Parts —  
Waterproof Construction — Conventional Focusing Device

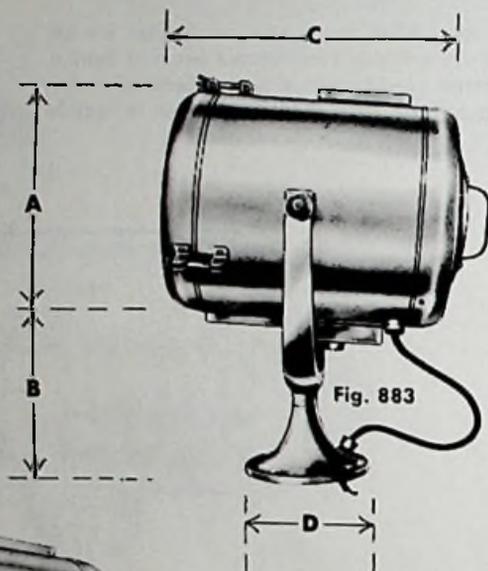


Fig. 883 DECK CONTROL

No.	Painted Gray Each	Polished Brass Each	Chromium Plated Each
1	\$167.00	\$167.00	\$197.00
2	225.00	225.00	255.00
3	295.00	295.00	325.00

## Dimensions And Weight

No.	Diam. Reflector Inches	"A" Inches	"B" Inches	"C" Inches	"D" Inches	Weight Pounds
1	10	10 1/8	9	13	7	25
2	12	12 1/8	10	15	7	30
3	14	14 1/8	11	17	7	45

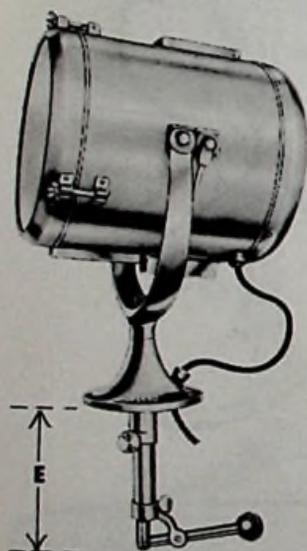


Fig. 884

Fig. 884 LEVER CONTROL

No.	Painted Gray Each	Polished Brass Each	Chromium Plated Each
1	\$213.00	\$213.00	\$245.00
2	275.00	275.00	310.00
3	345.00	345.00	380.00

## Dimensions And Weight

No.	Diam. Reflector Inches	"E" Inches	Weight Pounds
1	10	8 1/2	30
2	12	8 1/2	35
3	14	8 1/2	50

Other Dimensions see Fig. 883

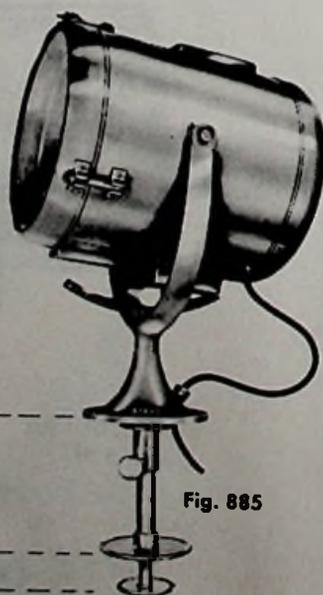


Fig. 885

Fig. 885 WHEEL CONTROL

No.	Painted Gray Each	Polished Brass Each	Chromium Plated Each
1	\$213.00	\$213.00	\$245.00
2	275.00	275.00	310.00
3	345.00	345.00	380.00

## Dimensions And Weight

No.	Diam. Reflector Inches	"F" Inches	"G" Inches	Weight Pounds
1	10	7 1/2	1 1/2	30
2	12	7 1/2	1 1/2	35
3	14	7 1/2	1 1/2	50

Other Dimensions see Fig. 883

NOTE — BULBS NOT INCLUDED IN ABOVE PRICES, SEE OPPOSITE PAGE FOR RECOMMENDATIONS AND OTHER INFORMATION.

**"SOLAR-RAY" SEARCHLIGHTS**  
**With Medium or High Base**

ALL SEARCHLIGHTS ON OPPOSITE PAGE CAN BE SUPPLIED PROMPTLY WITH MEDIUM OR HIGH BASE. TO SPECIFY ADD SUFFIX "M" OR "H" TO FIG. NO. OF TYPE REQUIRED.

FIG. 883-M			FIG. 883-H			
No.	Painted Gray Each	Polished Brass Each	Chrome Plated Each	Painted Gray Each	Polished Brass Each	Chrome Plated Each
1	\$200.00	\$200.00	\$240.00	\$235.00	\$235.00	\$285.00
2	260.00	260.00	305.00	295.00	295.00	350.00
3	335.00	335.00	385.00	365.00	365.00	430.00

FIG. 884-M			FIG. 884-H			
No.	Painted Gray Each	Polished Brass Each	Chrome Plated Each	Painted Gray Each	Polished Brass Each	Chrome Plated Each
1	\$250.00	\$250.00	\$300.00	\$285.00	\$285.00	\$345.00
2	315.00	315.00	370.00	350.00	350.00	415.00
3	385.00	385.00	435.00	420.00	420.00	490.00

FIG. 885-M			FIG. 885-H			
No.	Painted Gray Each	Polished Brass Each	Chrome Plated Each	Painted Gray Each	Polished Brass Each	Chrome Plated Each
1	\$250.00	\$250.00	\$300.00	\$285.00	\$285.00	\$345.00
2	315.00	315.00	370.00	350.00	350.00	415.00
3	385.00	385.00	435.00	420.00	420.00	490.00

No.	Diameter Reflector Inches	*Range	Beam *Candle Power
1	10	Up to 1 Mile	590,000
2	12	Up to 1 1/2 Miles	700,000
3	14	Up to 2 Miles	850,000

SPARE MEDIUM SCREW SOCKETS WITH MOUNTING BASE, SPECIFY FIG. 886, \$6.00 each

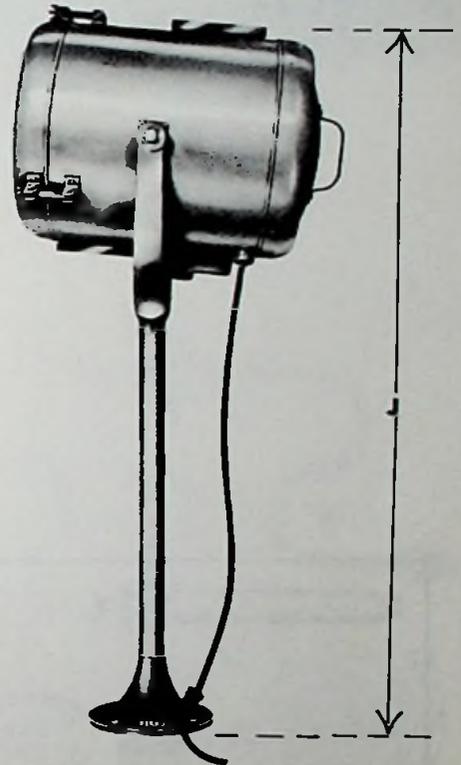
SPARE MOGUL SCREW SOCKETS WITH MOUNTING BASE, SPECIFY FIG. 887, \$6.00 each

\*BULBS RECOMMENDED FOR RANGE AND CANDLEPOWER SHOWN.

- 6 Volt—18 Amp.—Fig. 340 No. 4
- 12 Volt—18 Amp.—Fig. 340 No. 8
- 24 Volt—150 Watt—Fig. 340 No. 9
- 32 Volt—8 Amp. Fig. 340 No. 14
- 120 Volt—500 Watt—Fig. 340 No. 20
- \*\*120 Volt—1000 Watt—Fig. 532 No. 3

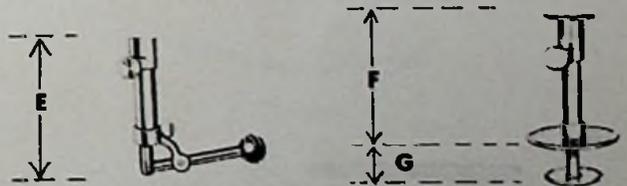
\*\*12 AND 14 INCH SIZES HAVE DUAL VENTILATION AS STANDARD EQUIPMENT. SUPPLIED WITH MOGUL SOCKET WHEN SPECIFIED. NO EXTRA CHARGE.

ON PAINTED SEARCHLIGHTS, THE CONTROLS BELOW THE BASE HAVE BRUSHED BRASS FINISH. NOT PAINTED.



Medium Base—Suffix "M"  
 High Base—Suffix "H"

Medium Base, J Dimension 32 Inches  
 High Base, J Dimension 54 Inches



Control for Figs. 884M or H

Control for Figs. 885M or H

SPECIAL CONSTRUCTION — Such as length of controls or height of head above flange — Price on application. Give complete details, a sketch if possible.

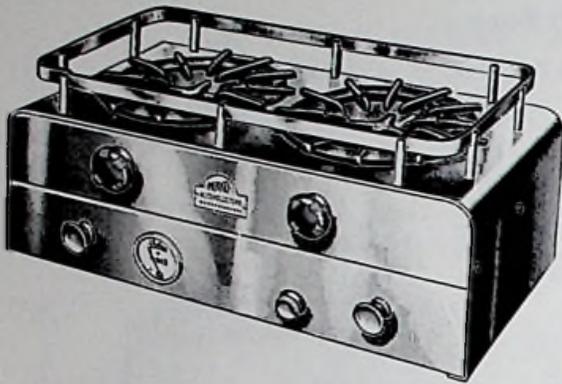


Fig. 364

**PERKO STAINLESS STEEL ALCOHOL STOVE — Fig. 364**  
 2 Burner Pressure Type — Removable Tray — Stainless Steel Body and Tray — Satin Finish — Cast Bronze Burners — Chromium Plated Guard Rail  
 Stainless Steel is Type No. 304 — 18/8.

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 operating pressure. The knob on the all brass pressure pump locks 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," the burners will operate for 14 hours on one gallon of fuel and a pound of pressure.

Complete Each	Extreme Length Inches	Extreme Width Inches	Extreme Height Inches	Weight Pounds
\$110.00	20 1/2	12	8 1/2	27

Above price includes a Fig. 365 funnel for filling.



**ALCOHOL STOVE PARTS — Fig. 368**

For Fig. 364

No.

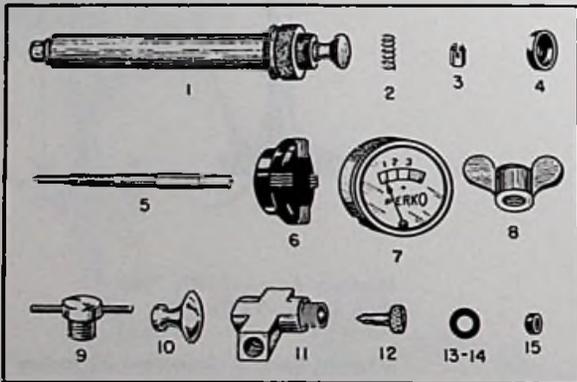


Fig. 368

1	Fuel Tank Air Pump complete	\$
2	Pump Check Valve Spring	
3	Pump Check Valve	
4	Leather Plunger for Pump	
5	Needle Valve Stem	
6	Plastic Control Knob	
7	Air Pressure Gauge	
8	Wing Nut for Filter Entrance	
9	Filler Cap for Fuel Tank	
10	Knob for Removable Tray	
11	Fitting for Fuel Supply Line	
12	Screw for Air Escape Valve	
13	Nylon Gasket for Wing Nut No. 8	
14	Nylon Gasket for Filler Cap No. 9	
15	Graphite Packing for Valve Stem	



Fig. 367

**PERKO ALCOHOL BURNER — Fig. 367**

Cast Bronze

Fig. 367 Burner for Stove Fig. 364	\$21.7
Wire Brush Filters Only	2.7
Priming Pan Only	1.7
Packing Nut for Valve Stem	.5
Grates only for Stove	2.7

**PERKO STAINLESS STEEL BOTTLED GAS STOVE — Fig. 373**

For use with Propane or Butane L.P. Gas — 2 Burners — Removable Tray — Easy-to-Clean Stainless Steel Body and Tray — Satin Finish — Cold Forged Aluminum Center Simmer Burners — Chromium Plated Brass Guard Rail and Posts — Black Plastic Control Knobs Handles and Tray

**Stainless Steel Is Type No. 304 — 18/8**

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	20¾	12	8½	25

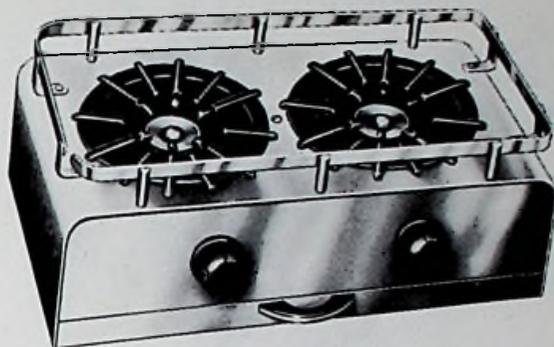


Fig. 373

**BOTTLED GAS STOVE EQUIPMENT — Fig. 374**

No.	Description	Each
1.	Forged Bronze Two Way Valve Manifold with Indicating Handle	\$ 7.50
2.	Pressure Regulator with Relief Valve and Mounting Brackets	12.50
3.	Pigtails (Tank Connections)	3.00
4.	Plug for Manifold	1.75
5.	¼ Inch Copper 10 foot Vent Line with One Fitting	7.75
6.	½ Inch Copper 20 Foot Fuel Supply Line with Two Fittings	24.00

**KIT NO. 1 FOR SINGLE TANK INSTALLATION**  
Consists of 1 each parts No. 2, 4, 5 and 6  
Per Kit .....\$45.00

**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 .....\$57.00

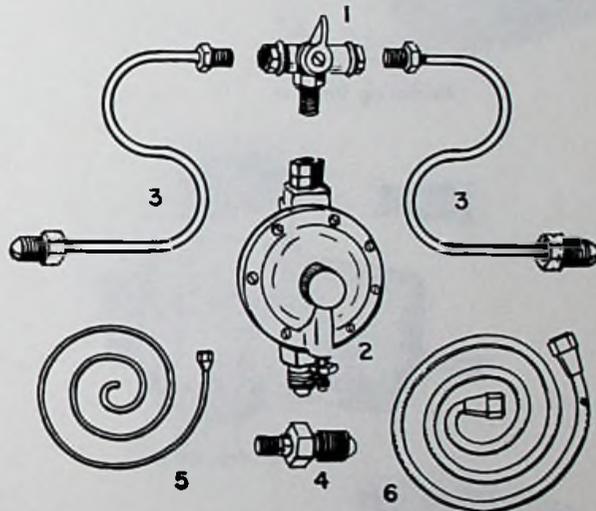


Fig. 374



**POT HOLDERS — Fig. 369**  
All Brass—Chromium Plated

Made for Figs. 364 and 373 stoves. Adjustable on the stove for various sizes of pots, pans, etc.

Per Pair	Length Centers of Rail Inches	Weight Per Pair Ounces
\$4.50	10½	8



Fig. 369



**OFFSET FUNNEL — Fig. 365**  
Heavy Gauge Zinc—Brass Strainer

In addition to filling stoves, this funnel is handy for many purposes on the boat or at home.

Each	Capacity Ounces	Diam. Mouth Inches	Diam. Spout Inches	Weight Ounces
\$3.00	3	3	¾	2



Fig. 365

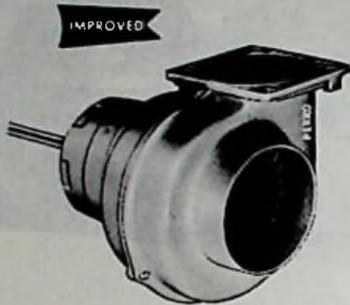
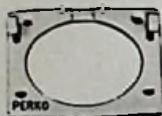


Fig. 778



Mounting Bracket

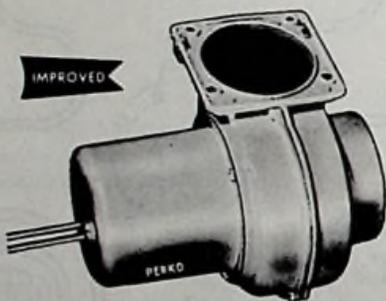


Fig. 791



Fig. 193

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

**IMPROVEMENT — 12 Volt Motors Have 18-8 Non Mag-  
 netic Stainless Steel Shaft.**

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.

Mounting bracket illustrated is for size No. 1 only.

No.	Size Intake Inches	Size Outlet Inches	Dimensions Overall Inches	Capacity Cubic Feet Per Minute	Size Flange Inches
1	3	2½	6½x6x5	170	3 x3
2	4	3¾	7 x8x7	226	4¾x4¾

No.	12 Volts Each	32 Volts Each	Weight Pounds
1	\$19.25	\$19.50	3½
2	35.50	35.75	6½

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

**IMPROVEMENT — 12 Volt Motors Have 18-8 Non Mag-  
 netic Stainless Steel Shaft.**

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

Motor enclosed in Zamak Housing. Shaft passes through a Neoprene seal, and electric cable passes through a waterproof rubber gland.

Size No. 1 has Zamak Housing, White Enameled Over Zinc Chromate.

Size No. 2 has Cast Aluminum Housing.

Mounting bracket illustrated is for size No. 1 only.

No.	Size Intake Inches	Size Outlet Inches	Dimensions Overall Inches	Capacity Cubic Feet Per Minute	Flange Inches
1	3	2½	7½x6x5	170	3 x3
2	4	3¾	8 x8x7	226	4¾x4¾

No.	12 Volts Each	32 Volts Each	Weight Pounds
1	\$21.00	\$21.25	3¾
2	37.00	37.25	6¾

**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.

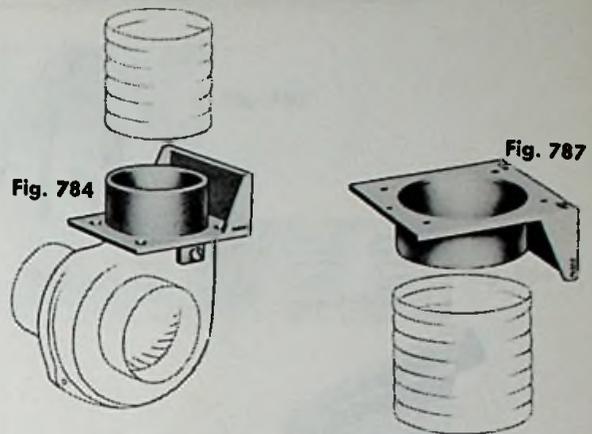
Each	Diameter Inches	Depth Inches	Weight Ounces
\$13.75	4%	1%	5

**MOUNTING ADAPTERS  
FOR EXHAUST DUCT — Figs. 784 & 787**  
Zamak Die Casting — White Enameled

Fig. 784 for mounting blower and leading duct to outlet ventilator.

Fig. 787 for outlet end of duct or to support free end of duct in various installations. Can be fastened thru base under deck or thru side if preferred.

Each	Dimensions Inches	Weight Ounces
\$2.20	3 3/4 x 3 1/2 x 1 1/2	14

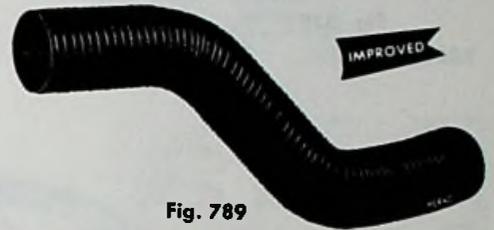


**IMPROVED FLEXIBLE EXHAUST DUCT — Fig. 789**  
3 Inch Inside Diameter to Fit Perko  
Size No. 1 Blowers and Ventilators Below

Vinyl — with high tensile spring wire coil non-flammable — resists many corrosive chemicals — long life under exposure to sunlight — color is grey.

4 1/2 Foot Lengths (20 per Carton) \$4.25 each  
9 Foot Lengths (10 per Carton) \$8.25 each

Shipper only in full cartons. Weight about 30 lbs.



**SHELL TYPE VENTILATORS**

Cast Bronze or Zamak Die Castings —  
Chromium Plated

Length Inches	Width Inches	Opening Inches	Zamak Average Weight Ounces	Bronze Average Weight Ounces
5	3 7/8	3 1/2 x 2	16	22

Figs. 650 and 866 have base drilled and tapped for three 1/4-20 screws.

Fig. 650 \$8.75 Each  
Fig. 866 2.20 Each

Figs. 651 and 867 have three studs 12 - 24 x 1 1/2 inches long. Nuts and washers included.

Fig. 651 \$9.50 Each  
Fig. 867 3.00 Each

Figs. 652 and 868 have base drilled and tapped for three 1/4-20 screws. With neck for exhaust duct. Screen in neck.

Fig. 652 \$10.50 Each  
Fig. 868 3.30 Each

Figs 653 and 869 have three studs 12 - 24 x 1 1/2 inches long. With neck for exhaust duct. Screen in neck. Nuts and washers included.

Fig. 653 \$11.75 Each  
Fig. 869 4.20 Each

Figs. 654 and 870 have flange on front and hole in rear for No. 10 wood screw mounting. With neck for exhaust duct. Screen in neck.

Fig. 654 \$10.60 Each  
Fig. 870 3.75 Each

NOTE — For Duct to fit, See Fig. 789.

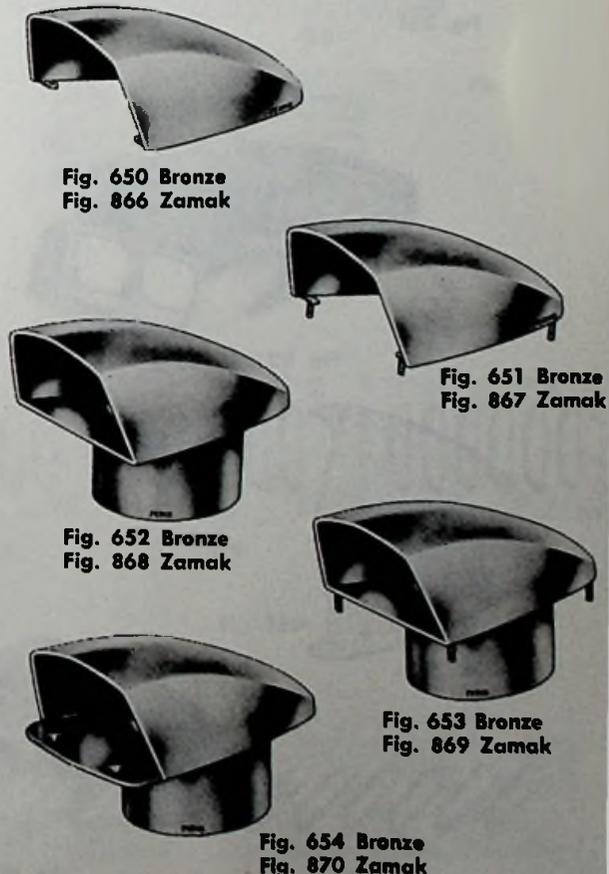


Fig. 650 Bronze  
Fig. 866 Zamak

Fig. 651 Bronze  
Fig. 867 Zamak

Fig. 652 Bronze  
Fig. 868 Zamak

Fig. 653 Bronze  
Fig. 869 Zamak

Fig. 654 Bronze  
Fig. 870 Zamak



Fig. 315



Fig. 339



Fig. 323



Fig. 324



Fig. 931

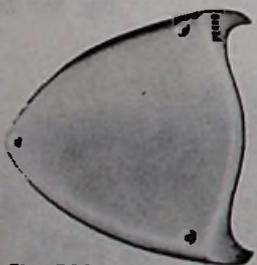


Fig. 338



Fig. 908

### MIDGET CLAM SHELL VENTILATOR — Fig. 315 18-8 Stainless Steel — Polished

Here's a streamlined, midget ventilator with many uses including shielding gas tank vents.

No.	Each	Base Dimensions Inches	Height Opening Inches	Weight Ounces
1	\$ .50	1 5/8 x 1 1/2	7/16	1/2
2	.60	2 x 2	9/16	1 1/4



### 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



### CLAM SHELL VENTILATORS — Fig. 323 Cast Bronze

No.	Chromium Plated Each	Width Opening Inches	Height Opening Inches	Size Base Inches	For Screw No.
4	\$4.75	2 5/8	1 1/2	3 1/2 x 3 1/4	7
5	6.90	3 1/2	2	3 7/8 x 3 1/2	7



### STREAMLINE VENTILATORS — Fig. 324 Cast Bronze

No.	Chromium Plated Each	Width Opening Inches	Height Opening Inches	Size Base Inches	For Screw No.
2	\$4.20	1 3/4	1	2 5/8 x 3 3/8	7
3	6.15	2 7/8	1 5/8	3 5/8 x 4 3/4	7



### 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
\$15.00	8 3/4	5 1/2	5 1/4 x 1	2 1/2



### FIBRE GLASS VENTILATORS — FIG. 338 Lustrous White Outside Finish

No.	Each	Length Overall Inches	Width Overall Inches	Weight Ounces
1	\$5.75	6 3/4	5 1/2	3 1/2
2	7.55	7 1/2	7 1/8	4 1/2



### 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
\$19.50	\$26.00	\$28.00	6 3/8 x 5 3/4	3 1/4	8	4

**COMBINATION TRANSOM VENT AND 135° STERN LIGHT — Figs. 980 & 984**  
 18-8 Alloy No. 304 Stainless Steel—Polished



Fig. 980



Fig. 984

Fig.	No.	Complete Each	Length Inches	Width Inches	Length Louvers Inches	Weight Ounces
980	1	\$7.40	8	3	2	6
980	2	8.00	10	3½	3	7½
984	1	8.75	13¼	3	2	8½
984	2	9.60	17	3½	3	10

Makes a very neat dual purpose installation. For details on light see Fig. 945 Stainless Steel International Light.



**STAINLESS STEEL LOUVRE VENTILATORS**

18-8 Alloy No. 304—Polished

Fig. 334



#2



#4

Fig. 334



#6

No.	Each	Size Inches	Length Louvers Inches	Weight Ounces
2	\$1.50	3 x 2½	2	1
2-A	1.65	4 x 2½	3	1½
4	2.00	5½ x 2½	2	2
4-A	2.20	7½ x 2½	3	2½
6	2.60	8 x 2½	2	3
6-A	2.85	11 x 2½	3	4



Fig. 335



#3



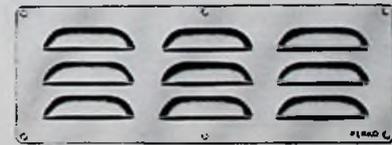
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Fig. 335

No.	Each	Size Inches	Length Louvers Inches	Weight Ounces
3	\$1.75	3 x 3	2	1½
3-A	1.90	4 x 3½	3	2
6	2.40	5½ x 3	2	2½
6-A	2.65	7½ x 3½	3	3¼
9	3.20	8 x 3	2	3½
9-A	3.40	11 x 3½	3	4



Fig. 336

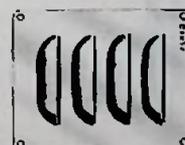


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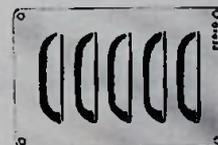
No.	Each	Size Inches	Length Louvers Inches	Weight Ounces
4	\$2.00	3¾ x 3	2	1¾
4-A	2.20	4¾ x 4	3	2
5	2.40	4½ x 3	2	2
5-A	2.65	5¾ x 4	3	2¼
6	2.80	5¼ x 3	2	2½
6-A	3.00	6¾ x 4	3	3



**ANGLE TYPE — Fig. 342**



#4



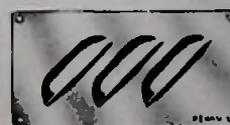
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#6

Fig. 336

No.	Per Pair	Size Inches	Length Louvers Weight	Weight Pair Ounces
3	\$3.55	4¾ x 2½	2	1¾
3-A	3.85	6 x 3	3	2¼
6	5.75	7¾ x 2½	2	2¾
6-A	6.20	9¾ x 3	3	3¼



#3



#6

Fig. 342 Supplied In Pairs, Port And Starboard

Fig. 342



Fig. 1069

**JUNIOR TRANSOM VENTILATOR — Fig. 1069**  
 Cast Bronze

Plain Bronze Each	Chromium Plated Each	Size Flange Inches	For Screw No.	Weight Pounds
\$2.50	\$4.60	6½ x 2½	6	



Fig. 1062

**SENIOR TRANSOM VENTILATOR — Fig. 1062**  
 Cast Bronze

Plain Bronze Each	Chromium Plated Each	Dimensions Inches	For Screw No.	Weight Pounds
\$4.50	\$7.50	10 x 4	8	1



Fig. 550

**TRANSOM OR LOCKER VENTILATOR — Fig. 550**  
 Stamped Brass

Plain Each	Chromium Plated Each	Dimensions Inches	For Screw No.
\$1.80	\$2.40	6 x 2	8



Fig. 1271

**TRANSOM OR LOCKER VENTILATOR — Fig. 1271**  
 Zamak Die Casting — Chromium Plated  
 With Grill Type Screen

Each	Dimensions Inches	For Screw No.	Weight Ounces
\$1.45	6 x 2	8	3

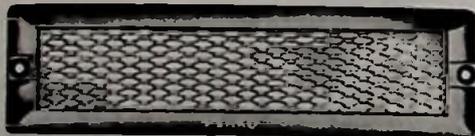


Fig. 1238

**TRANSOM OR LOCKER VENTILATOR — Fig. 1238**  
 Zamak Die Casting — Chromium Plated  
 With Grill Type Screen

Each	Dimensions Inches	For Screw No.	Weight Ounces
\$1.30	8¾ x 2¼	8	3

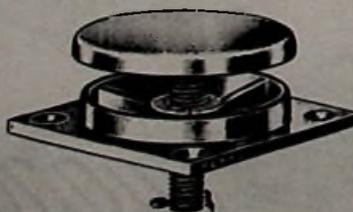


Fig. 783

**LOCKER VENTILATORS — Fig. 783**  
 Cast Bronze

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Diam. of Opening Inches	Size Plate Inches	Weight Pounds
\$6.50	\$8.75	\$9.85	1½	2½ x 2½	½

**STREAMLINE SPACE SAVER VENTILATOR — Fig. 771**  
 Cast Bronze — Chromium Plated

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.

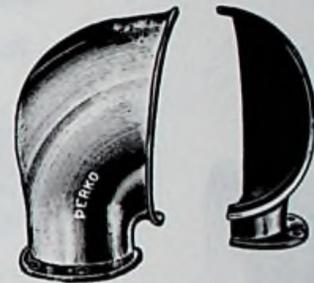
Chromium Plated Per Pair	Length Overall Inches	Height Overall Inches	Dimensions Mouth Inches	Weight Per Pair Pounds
\$19.75	9¾	4½	4x1¾	2¾



Starboard Side  
 Fig. 771

★  
**SPACE SAVER VENTILATORS — Fig. 782**  
 Cast Bronze — Chromium Plated

No.	Chromium Plated Per Pair	Inside Diameter of Base Inches	Measurements Inside at Mouth Inches	Height Overall Inches	For Screw No.	Weight Per Pair Pounds
1	\$27.00	2½	2¾ x 5	6¾	8	3¾
2	45.00	3½	3⅛ x 7½	9	8	6



Starboard Side  
 Port Side  
 Fig. 782

When ordering a half pair, please mention whether for port or starboard side.

★  
**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	\$14.00	\$26.00	10	7	140	2¾
5	14.25	26.50	12	8½	152	3½
6	14.75	27.00	13	9½	196	4½
7	17.50		15	11	243	6
8	18.75		16	12½	285	7
10	22.50		18½	15	445	10
12	25.50		20	17½	650	12



Fig. 744

With reinforcing band around bottom of neck supplied to order, price on application.

Galvanized vents are painted aluminum.

★  
**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	Base Diameter Inches	Height Overall Inches	Galv. Weight Pounds
4	\$18.00	\$29.25	6	10¼	3½
5	19.50	31.50	7	12¼	4½
6	21.75	34.00	8	13¼	6
8	27.50		10	16½	9



Fig. 748

**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	Diem. Mouth Inches	Height Overall Inches	Weight Pounds
2	\$ 21.00	\$ 33.00	\$ 36.00	4	5½	1¼
2½	22.50	36.00	39.50	5	6½	1¾
3	26.50	44.50	48.00	6	8	2½
4	35.00	56.00	61.00	8	11	4
5	45.00	72.00	77.50	10	13	6
6	67.00	115.00	122.00	12	16	9
8	92.50	190.00	232.00	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	Diem. Mouth Inches	Height Overall Inches	Weight Pounds
3	\$ 23.50	\$ 47.50	\$ 54.00	6	8	2
4	31.50	57.50	65.00	8	12	3¾
5	39.50	69.50	77.50	10	13½	4¾
6	57.00	104.00	115.00	12	17½	7½
8	75.00	180.00	225.00	16	20½	11½

10 inch size made of copper with bronze deck plate polished finish, \$360.00 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.



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

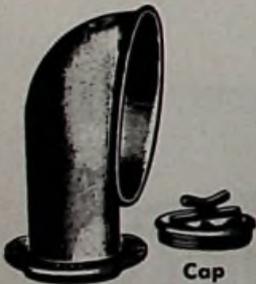


Fig. 570  
Screw Type

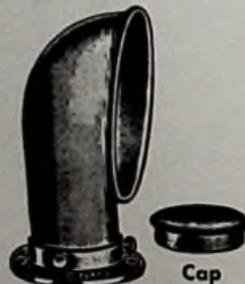


Fig. 571  
Swivel Type

No.	Deck Plate Size Inches	Size Mouth Inches	Height Above Deck		Weight Pounds
			Fig. 570 Inches	Fig. 571 Inches	
1	3	6¼ x 4	8⅛	9⅛	6
2	4	6½ x 4¾	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	\$40.00	\$44.00	\$44.50	\$47.50
2	4	51.75	56.50	51.00	55.00

Fig. 571 — Above prices do not include cap illustrated specify if required .....add \$3.50 each

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

**GARBOARD DRAIN PLUGS — Figs. 263, 363 & 266**  
Cast Bronze

Figs. 263 and 266

Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
\$4.35	3/4	2 3/8	3/8	11

Fig. 363

For plywood, fiberglass or metal hulls.

No.	Each	Pipe Size Inches	Diam. Flange Inches	Length Threaded Neck Inches	Max. Hull Thickness Inches	Weight Ounces
1	\$6.00	3/4	2 3/8	3/16	3/16	13 1/2
2	7.50	3/4	2 3/8	1	1/2	14
3	7.50	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 3/8 inches.

Fig.	Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
714	\$2.20	1/2	2	3/8	3
714-A	2.55	1/2	2	3/4	4
737	3.15	1/2	2	3/8	6
737-A	3.50	1/2	2	3/4	7



Fig. 714



Fig. 737



Fig. 714-A



Fig. 737-A

**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.

Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
\$6.90	1	3 1/4	1	10

Furnished complete with galvanized wrench.



Fig. 124

**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.

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



Fig. 213

**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.

No.	Complete Each	Diam. Tube Inches	Length Overall Inches	Length Tube Inches	Weight Ounces
1	\$2.20	1	2 1/2	2	4 1/2
2	\$2.35	1	3 1/4	2 3/4	5



Fig. 414

Plug only, #1 or #2, \$1.60 each.  
#1 tube only, \$.60 each. #2 tube only, \$.75 each.





Fig. 386

**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  $\frac{3}{8}$  inch or thicker but may be used with thinner hulls by cutting away necessary portion of neck. Depth of mouth below hull is  $\frac{3}{4}$  inch.

Each	Height Inside Boat, Inches	Width Overall Inches	Weight Pounds
\$6.50	2 $\frac{3}{4}$	2 $\frac{1}{2}$	1 $\frac{1}{4}$

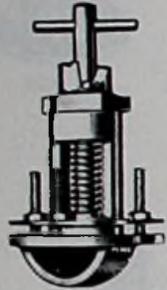


Fig. 387

**SMALL BOAT DRAINER — Fig. 387**  
Spring Type — Stainless Steel Spring — Cast Bronze

Each	Height Inside Boat, Inches	Diam. Flange, Inches	Weight Pounds
\$7.25	4	2 $\frac{3}{4}$	1



Fig. 704

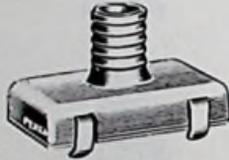


Fig. 705

**BRONZE NAVY PUMP STRAINERS —**  
Figs. 704, 705, 721 & 722

Fig.	Each	Pipe Thread, Inches	For Hose, Inches	Length, Inches	Width, Inches	Weight, Pounds
704	\$6.70		1 $\frac{1}{4}$	7	2 $\frac{3}{4}$	2
705	6.00		1 $\frac{1}{4}$	4 $\frac{3}{4}$	2 $\frac{3}{4}$	1 $\frac{3}{4}$
721	6.00	1 $\frac{1}{4}$		5	2 $\frac{3}{4}$	1 $\frac{3}{4}$
722	6.00	1 $\frac{1}{4}$		4 $\frac{3}{4}$	2 $\frac{3}{4}$	1 $\frac{3}{4}$



Fig. 721



Fig. 722

**JUNIOR STRAINER — Fig. 709**  
Cast Bronze — For  $\frac{3}{8}$  Inch Rubber Hose

Excellent for use with bilge pumps having  $\frac{3}{8}$  inch hose for intake such as our Fig. 202, etc.

Each	Length Overall, Inches	Width, Inches	Weight, Ounces
\$2.70	4	1 $\frac{3}{4}$	6



Fig. 709

**RUBBER HOSE AND STRAINER — Figs. 208 & 209**  
For Figs. 200, 202 and 723 Brass Bilge Pumps

Heavy moulded rubber hose, durable and lasting.  $\frac{1}{2}$  inch inside diameter. Standard hose length is 5 feet. Other length of hose can be furnished. Price on application.

Fig.	Each
Fig. 208 — Standard 5 ft. length	\$1.45
Fig. 209 — Cast Bronze Strainer	1.10



Fig. 208



Fig. 209

**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
\$45.50	24	2¾	1¼	1½	½

Fig. 147—Weighted leather valve only, each . . . . \$1.65  
 Fig. 151—Flax packed plunger only, each . . . . . 3.25



Fig. 1016



Fig. 151  
 Flax Packed Plunger



Fig. 147  
 Weighted Leather Valve

**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
\$40.00	16¾	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
\$45.50	27	1¼	1½	9½



Fig. 702



Fig. 108

**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
\$40.00	18¼	2¾	1¼	1½	7⅝

**COMPLETE PLUNGER ASSEMBLY ONLY — Fig. 108**

No. 1 for Figs. 702 & 1018 . . . . . \$10.00 Each.  
 No. 2 for Figs. 701 & 1016 . . . . . 12.00 Each.

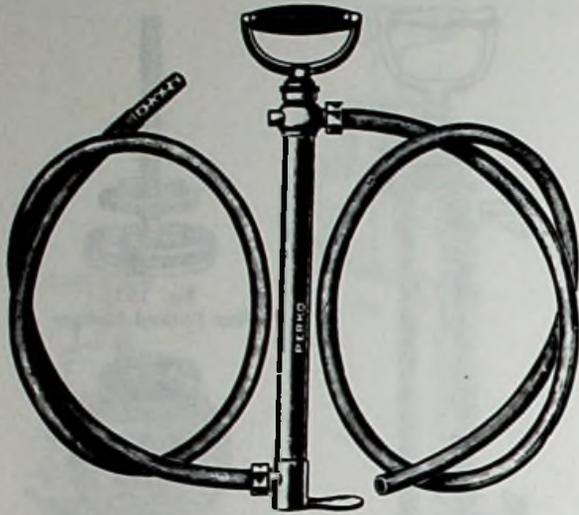


Fig. 202

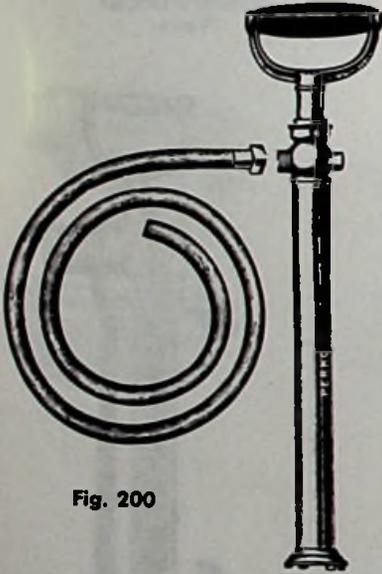


Fig. 200

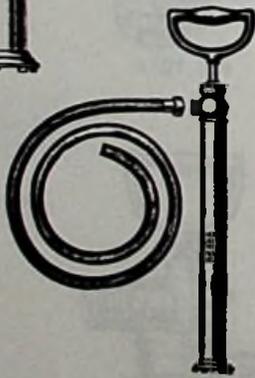


Fig. 723



Fig. 146

**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	\$23.75	18 3/4	1 1/2	5	3
6	27.50	21	1 1/2	10	4

Without hose, deduct \$1.00 for each hose



**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	\$17.75	17 3/4	1 1/8	5	2 1/2
2	23.00	20	1 1/2	10	3 1/2

Without hose, deduct \$1.00 each



**BRASS BILGE PUMP — Fig. 723**

Single Action

Complete with 5 feet of rubber hose.

Has moulded neoprene rubber plunger producing excellent capacity. Capacity 2 1/2 gallons per minute.

With Hose Each	Without Hose Each	Diameter Inches	Extreme Length Inches	Weight Pounds
\$16.50	\$15.50	1 1/8	17 3/4	2



**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
\$20.00	\$4.20	17 1/2	12 1/2	1 1/8	2 1/2



**SPARE PARTS FOR ABOVE PUMPS**

	Outside Diam. Inches	Each		Outside Diam. Inches	Each
Flange Washer Fig. 203	No. 1 1 1/16	\$ .40	Split Washer Fig. 205	No. 1 13/16	\$ .11
	No. 2 1 7/16	.45		No. 2 1 13/16	.11
Cup Washer Fig. 204	No. 1 1 1/16	\$ .40	Hollow Ball Fig. 206	No. 1 1/2	\$ .31
	No. 2 1 3/8	.45		No. 2 7/8	.40

**JUNIOR ELECTRIC BILGE PUMP — Fig. 780**

Non-Automatic — All Brass Except Motor — Nylon Impeller — Nylon Bearings  
 Motor Has 18-8 Stainless Steel Shaft

VOLTAGE — 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 ¾ inch garden hose.

	Each	Height Overall Inches	Weight Pounds
Complete	\$30.00	8½	2½
Motor only	15.50		



Fig. 780

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

Electric — All Brass Except Motor — Nylon Impeller — Nylon Bearings  
 Motor Has 18-8 Stainless Steel Shaft

VOLTAGE — 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 88. Complete with side mounting bracket. Outlet on side for regular ¾ 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	\$30.00	8½	2½
Motor only	15.50		



Fig. 781

**PERKO "FLEXO-SHAFT" ELECTRIC BILGE PUMP—Fig. 666**

Patented

With Flexible Phosphor Bronze Drive Shaft and Waterproof Casing. Casing has "Temflex" Plastic Covering to Increase Its Strength. All Bronze Except Motor. Motor Has 18-8 Stainless Steel Shaft

Mount motor where bilge water cannot reach it and this pump will do a good job.

CAPACITY — 300 gallons per hour at 1 foot.  
 LENGTH SHAFT — 3 feet.  
 MAXIMUM HEAD — 8 feet, with 3 foot shaft.  
 VOLTAGE — 12 or 32, please specify.

Complete Each	Motor Only Each	Outlet Size	Outlet Size	Height Pump Inches	Diameter Base Inches	Weight Pounds
\$52.50	\$15.50	1" Hose	½" Pipe	4¼	4⅝	7

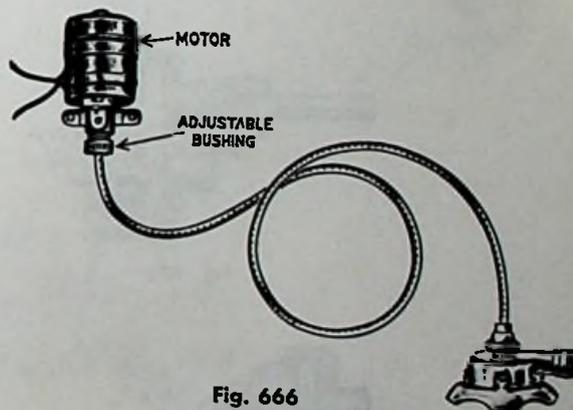


Fig. 666

**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 switch will start the pump operating when the water reaches the top of the switch or 2¼ inches. It will turn off again when the water reaches a depth of 1 inch but by connecting ¼ inch tubing to the ½ 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
\$19.00	\$3.50	\$1.00	2¼	4¼	2



Fig. 662

**PERKO WING PUMPS — Fig. 681**

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

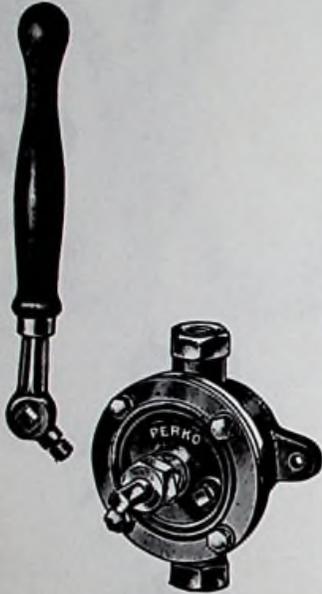


Fig. 681

Constructed entirely of cast bronze, principally for use as a marine bilge pump, but is used in large quantities in the industrial field for pumping oil and gasoline, hot liquids, juices, etc. The interior consists of a cast bronze wing which oscillates on a bronze shaft connected to handle. The wing has lubricated square flax packing set in grooves which runs on interior of drum and as no metal parts rub together this pump will last for years without noticeable wear. Packing is very easily replaced. Intake valves have been greatly improved and priming is unnecessary even after several weeks of disuse.

**GREAT CAPACITY—LIFT AND HEAD OVER 35 FT.  
EFFORTLESS OPERATION—HARDWOOD HANDLE**

No.	Each	Size Pipe Connection Inches	Overall Diam. of Body Inches	Capacity Per Minute Gallons	Weight Pounds
0	\$72.00	½	5⅞	5	11½
1	82.00	¾	5¾	7	14
2	93.00	1	6⅝	9¼	19½

Spare handles complete \$8.25 each. Wood only \$2.20 each.

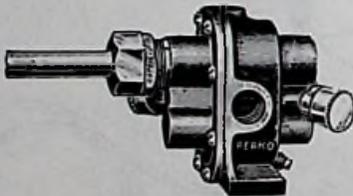


Fig. 682

**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 Con-nection Inches	Size Drive Shaft Inches	Approximate Weight Each Pounds
3	\$29.50	⅜	⅜	5½
4	32.50	½	⅝	6

When above pumps are operated by belt and pulley be sure to use intermediate bearing on shaft.

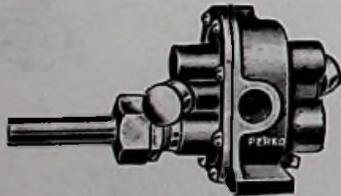


Fig. 684

**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.	
	Lbs.	H.P.	Lbs.	H.P.	Lbs.	H.P.	Lbs.	H.P.	Lbs.	H.P.
3	7.5	¼	7.0	½	6.5	¾	6.5	1	6.3	1
4	10.5	½	10.0	¾	9.5	¾	9.1	1	8.5	1½

**GALLEY AND LAVATORY PUMPS**

Bronze — Chromium Plated

**FIG. 467 WITH METAL HANDLE**

**FIG. 473 WITH MAHOGANY HANDLE**

Both Feature Inlet Valve Designed to Hold Prime and Leakproof Neoprene U-Cup Seals

Fig.	Diam. Barrel Inches	Length Barrel Inches	Length Neck Inches	Threaded For Pipe Inches	Weight Pounds
467	1½	6½	2½	½	3½
473	1½	6	2½	½	3½

Fig.	Chromium Plated Each	Chromium Plated Handle Only Each	Mahogany Grip Only Each
467	\$35.00	\$5.25	
473	37.75	6.50	\$1.15

Repair Kit, each \$3.30



Fig. 467  
Metal Handle



Fig. 473  
Mahogany Handle

**FIG. 144 & FIG. 1040**

Flared Flange — Neoprene Plunger and Valve Designed to Hold Prime

Length of stroke — 5¼ inches. Inlet thread — ¾ inch pipe.

Fig.	Diam. Barrel Inches	Length Overall Inches	Projection Spout Inches	Height Spout Inches	Weight Pounds
144	1½	13½	3	0	3
1040	1½	14½	4½	3	3½

Fig.	Chromium Plated Each	Repair Kits Each
144	\$27.50	\$3.00
1040	30.00	3.00



Fig. 144



Fig. 1040

**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: 10 strokes per quart.

Chromium Plated Each	Inlet Pipe Size Inches	Spout Projection Inches	Height Flange To Spout Inches	Weight Pounds
\$22.00	¾	4	3½	2

Repair Kit, each \$1.80



Fig. 677

**PERKO "EZY-FLO" PUMP — Fig. 177**

All Brass — Chromium Plated

Finger tip control, easy operation and self priming, "Ezy-Flo" functions with simple short rocking strokes. Spout swivels in any direction. Inlet fits 5/8 inch rubber hose or 3/8 inch pipe. Capacity 20 strokes per quart.

Each	Extreme Height Above Drain Board Inches	Dimensions Mounting Base Inches	Weight Pounds
\$30.00	8	4x1½	2¼

Repair Kit, each \$4.50

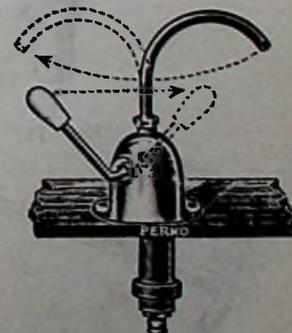
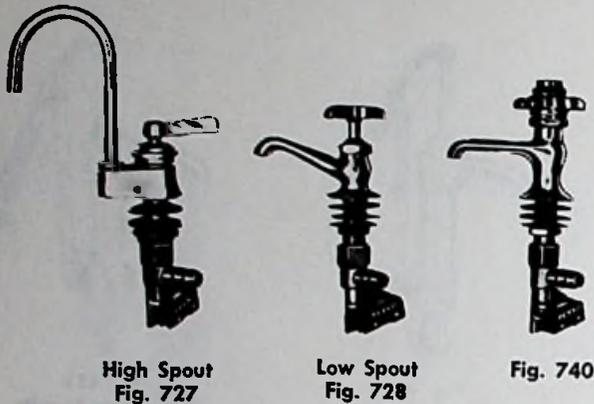


Fig. 177



**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

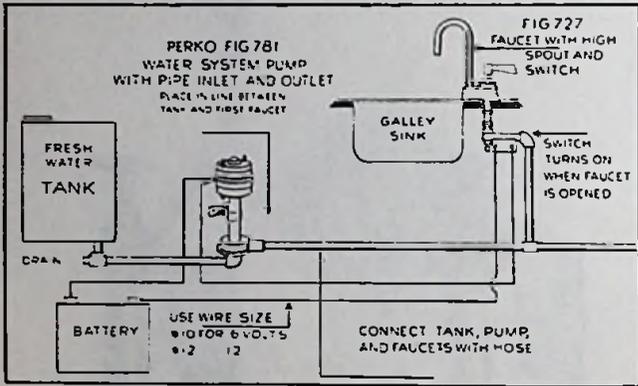
**HAND CLOSING TYPES — Figs. 727 & 728**

Fig.	Chromium Plated Each	Height Above Drain Board Inches	Length Below Drain Board Inches	Weight Pounds
727	\$27.00	8 1/4	5 1/2	2 1/2
728	22.75	3 1/4	5 1/2	2

**SPRING ACTION — SELF CLOSING TYPE — Fig. 740**

Chromium Plated Each	Height Above Drain Board Inches	Spout Projection Inches	Weight Pounds
\$30.00	3 3/4	2 3/4	2 1/2

Connect one or several of the faucets to our Figure 781 electric pump. (See sketch 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.



**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.	Complete Each	Size Inches	Size Basin Inches	Height Back Inches	Depth Inches	Weight Pounds
823	\$24.50	13 1/2 x 13 1/2	11 3/4 x 8 1/2	1 1/2	5	2
825	21.00	15 1/4 x 12 3/4	12 x 7 1/2	1 3/8	5	2 1/4

Spare Tail piece and stopper only — \$3.00 each

**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	\$5.50	3 1/2	1 1/2	20
586	3.25	2	1 1/2	10

Fig. 357 is for sinks Figs. 356, 382, 392.

Fig. 586 is for sinks Figs. 240 and 391.

**SINK FRAMES — Fig. 347**

For Flush Installation — Self Sealing — Stainless Steel  
 Easily Installed — No Special Tools Required

Complete with mounting lugs, bolts and corner brackets.

No.	Each	For Sink Outside Dimensions Inches
1	\$6.85	12x16
2	6.85	13 1/2 x 18 1/4
3	6.85	13 1/2 x 21 1/2



FLAT BACK  
Fig. 825



CORNER TYPE  
Fig. 823



Fig. 357



Fig. 586



Fig. 347

**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	\$25.00	10x14	12x16	7	6
2	38.00	11½x16¾	13½x18¾	6	6½
3	51.00	11¾x19¾	13¾x21¾	7	7½

Finishing frame for above, see Fig. 347.  
Drain fittings not included, see Fig. 357.

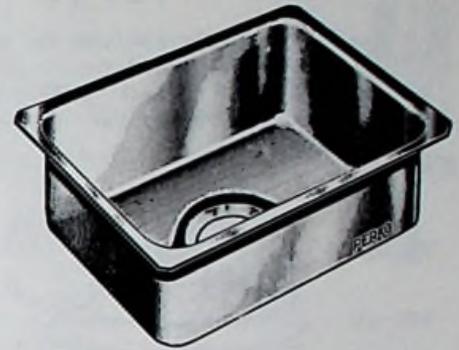


Fig. 356

★  
**ROUND STAINLESS STEEL SINKS — Fig. 391**

**Deep Drawn, Seamless Construction —  
20 Gauge 18-8 — Polished 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	\$18.00	11¾	13¾	5	2

Finishing frame not required.  
Drain fitting not included, see Fig. 586.



Fig. 391

★  
**STAINLESS STEEL SINKS — Fig. 392**

**Deep Drawn, Seamless Construction  
20 Gauge 18-8 — Natural Finish — Self Rimming**

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

Each	Size Inside Inches	Size Outside Inches	Depth Inside Inches	Weight Pounds
\$31.50	10 x 14	13 x 17	7½	7

Finishing frames not required.  
Drain fitting not included, see Fig. 357.



Fig. 392

★  
**FIBRE GLASS GALLEY SINK — Fig. 382**

**Glazed White — Self Rimming**

Each	Inside Dimensions Inches	Outside Dimensions Inches	Inside Depth Inches	Weight Pounds
\$17.75	11½ x 16¾	13½ x 18¾	6	2¼

Drain fitting not included, see Fig. 357.  
Finishing frame not required.



Fig. 382

★  
**ROUND FIBRE GLASS SINK — Fig. 240**

**Glazed White — Self Rimming**

Each	Inside Diameter Inches	Outside Diameter Inches	Inside Depth Inches	Weight Ounces
\$11.75	10¾	13	5	14

Drain fitting not included, see Fig. 586.  
Finishing frame not required.



Fig. 240

PERKO MARINE CLOSETS

Can be Installed Above or Below the Waterline — White Vitreous China Bowl — Rim Flushing Type — All Bronze Pump and Fittings — White Painted Finish — All White Seats and Covers — Plastic Hinges — Outlet Tailpiece Has Neoprene "Joker" Backwater Check Valve — Waste Arm Has 1/4 Inch Pipe Size Drain Out Openings — Inlet Tailpiece for 3/8 Inch Hose — Outlet Tailpiece for 1 1/2 Inch Hose.

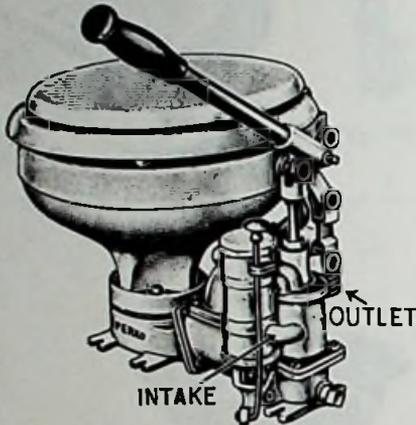


Fig. 828-D With Hand Valve  
Fig. 829-D With Foot Valve



Fig. 833

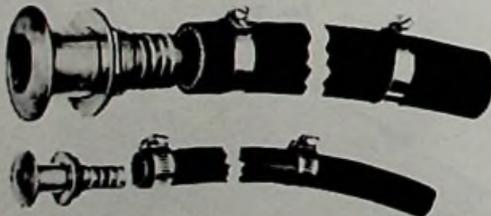


Fig. 843



Fig. 846

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 3/4	12 3/4	17	16	12x5	40

No.	Description	Each
1	Fig. 828-D with Seat and Cover	\$136.00
2	Fig. 828-D With Seat Only	135.00
3	Fig. 829-D With Seat and Cover	137.00
4	Fig. 829-D With Seat Only	136.00

★  
"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 3/4	12 3/4	15	16	9x5	32

No.	Description	Each
3	With Joker Valve, with seat and cover	\$114.00
4	With Joker Valve, with seat only	113.00

★  
CLOSET INSTALLATION KIT — Fig. 843

This handy kit contains all that's needed to install PERKO marine closets. It consists of the following:

- Outlet — 3 feet of 1 1/2" I.D. heavy walled hose.
- 2 Perko Fig. 6428 stainless steel hose clamps.
- 1 Perko Fig. 350 bronze thru hull fitting (1 1/2").

- Inlet — 3 feet of 3/8" I.D. heavy walled hose.
- 2 Perko Fig. 6410 stainless steel hose clamps.
- 1 Perko Fig. 350 bronze thru hull fitting (3/8").

\$17.00 per Kit

★  
TOILET PARTS AND REPAIR KITS

The following kits are complete with all parts likely to wear out such as all gaskets, valves, packing, washers, seals and leathers.

Kit Description	Per Kit
Fig. 836-A for Fig. 833 No. 3 and 4	\$ 8.00
Fig. 909 for Figs. 828-D and 829-D	7.75
	Each
Fig. 844 White Seat and Cover Complete	\$ 9.00
Fig. 845 White Seat, No Cover	7.00
Fig. 846 White Vitreous Bowl Only	16.50
Fig. 849 Neoprene Joker Valve Only	1.50
Fig. 855 Neoprene Clack Valve Only	1.00

**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
¾	\$20.70	\$20.35	\$1.40	3½	\$2.50
1	30.40	28.70	1.40	3½	3.50
1¼	38.30	36.55	2.00	4	5.20
1½	44.70	44.35	3.40	5	6.40
2	80.55	78.20	3.60	6	9.40



Fig. 834



Fig. 835



**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
½	\$10.75	\$2.40	\$1.30	\$ .95	2½	¾
¾	13.00	3.30	1.60	1.40	3½	1½
1	18.50	4.70	2.10	1.40	3½	2½
1¼	26.50	7.20	2.60	2.00	4	4
1½	35.00	8.80	3.60	3.40	5	5¼

NOTE: The ½" size has connection for ¾" hose. Other sizes use same size hose as pipe size.



Fig. 821



**FLUSH TYPE "NO BULGE" THRU HULL CONNECTIONS — Figs. 331 & 361**  
**Cast Bronze**

END PORTION OF PIPE THREAD IS TAPERED.

An improved thru hull fitting for all types of boats, but especially appreciated by builders and owners of fibre glass and planked sail boats. Nothing extending beyond hull to cause friction or slow boat down. The ends of these fittings have tapered threads for easy attachment of valves or other pipe fittings.

Pipe Size Inches	Fig. 331 Each	Fig. 361 Each	Length Overall Inches	Inside Diameter Inches	Diameter Flange Inches	Weight Pounds
½	\$5.20	\$6.10	2¾	½	2½	¾
¾	5.60	6.50	2¾	¾	2½	¾
1	7.35	8.65	3	1	3	1¼
1¼	8.85	10.15	3¾	1¼	3	1¾

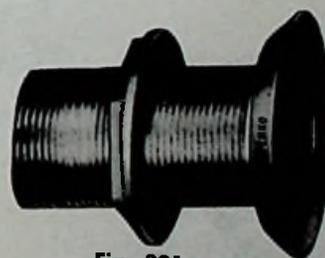


Fig. 331  
 Without Strainer

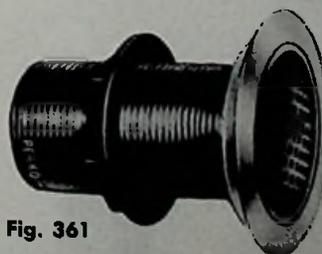


Fig. 361  
 With Strainer

IMPROVED



Fig. 384

**IMPROVED THRU HULL CONNECTIONS — Fig. 384**  
 For Fibre Glass Boats — Cast Bronze — Short Neck  
 END OF THREAD IS TAPERED  
 FOR VALVES OR PIPE FITTINGS

Pipe Size Inches	Plain Each	Polished Chromium Plated Each	Length Neck Inches	Diameter Flange Inches	Weight Ounces
1/2	\$2.50	\$3.60	1	1- 9/16	4
3/4	3.25	4.40	1 1/2	1-15/16	5
1	4.65	5.70	1 3/4	2- 3/8	9
1 1/4	6.50	7.65	1 3/4	2- 7/8	14
1 1/2	7.75	9.00	1 5/8	3- 1/16	18



IMPROVED

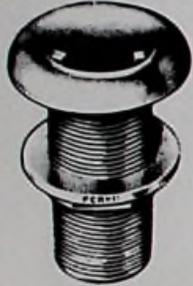


Fig. 322

IMPROVED

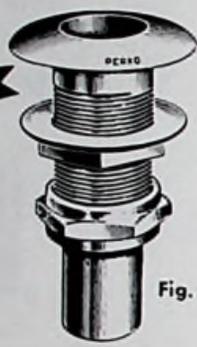


Fig. 64

**IMPROVED THRU HULL CONNECTION — Figs. 64 & 322**  
 Cast Bronze — Plain — With and Without Tail Piece  
 END OF THREAD IS TAPERED  
 FOR VALVES OR PIPE FITTINGS

Pipe Size Inches	Fig. 64 Each	Fig. 322 Each	Length Neck Inches	O D Tail Piece Inches	Diam Flange Inches	Wt Fig. 64 Lbs	Wt Fig. 322 Lbs
3/8	\$ 3.60	\$ 2.10	2 3/8	1/2	1 3/8	3/8	1/4
1/2	3.90	2.40	2 3/8	1/2	1 5/8	1/2	3/8
3/4	5.00	3.30	2 3/8	3/4	2	3/8	1/2
1	7.15	4.70	2 7/8	1	2 1/4	1	3/4
1 1/4	9.85	7.20	3 1/2	1 1/4	2 7/8	1 3/4	1 1/2
1 1/2	13.25	8.80	3 3/4	1 1/2	3	2 1/8	1 3/8
2	18.00	13.00	4	2	3 1/2	3	1 3/4
2 1/2		18.60	4		4 1/2		2 3/4



Fig. 311

**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
\$1.90	\$3.00	3/4 and 1	9/16	3 1/8	7

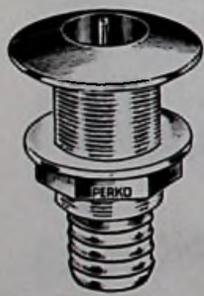


Fig. 350

**THRU HULL CONNECTIONS FOR HOSE — Fig. 350**  
 Cast Bronze

For Hose Inches	Plain Each	Polished Chromium Plated Each	Length Overall Inches	Maximum Wed Thickness Inches	Weight Pounds
3/8	\$2.90	\$3.90	3	1 1/4	3/8
3/4	3.35	4.40	3 5/8	1 5/8	1/2
1	5.00	6.15	3 7/8	1 7/8	7/8
1 1/4	7.80	9.00	4 1/4	2	1 3/8
1 1/2	8.40	10.00	4 1/4	2	1 1/2

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



Fig. 75

**FLANGED NUTS — Fig. 75**  
 Cast Bronze — For Hull Connections

Pipe Size Inches	Each	Weight Ounces
3/8	\$ .50	1
1/2	.55	1 1/4
3/4	.80	2
1	1.15	2 1/2
1 1/4	2.00	6
1 1/2	2.40	6
2	3.60	10
2 1/2	4.00	15

**IMPROVED WATER OUTLETS — Fig. 332**  
**THE END HAS TAPERED THREAD**  
**TO FIT VALVES AND OTHER PIPE FITTINGS**

Cast Bronze

No.	Plain Bronze Each	Chromium Plated Each
1	\$6.25	\$8.20
2	7.90	9.90

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

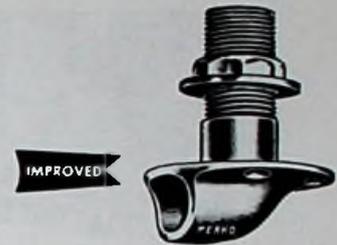


Fig. 332

**IMPROVED SPEEDBOAT STRAINERS — Fig. 65**  
**THE END HAS TAPERED THREAD**  
**TO FIT VALVES AND OTHER PIPE FITTINGS**

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	\$ 4.60	2 1/4	2 1/2 x 3 1/2	3/8
3/4	6.00	2 3/4	3 x 4	3/4
1	7.90	3	3 1/2 x 4 1/4	1 1/8
1 1/4	11.60	3 3/4	3 3/4 x 4 1/2	1 3/4

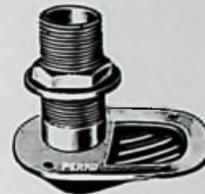


Fig. 65

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

Pipe Size Inches	Hose Size Inches	Each	Length Overall Inches	Weight Ounces
1/2	3/8	\$1.30	1 3/8	1 1/2
3/4	3/4	1.60	1 3/4	2 1/8
1	1	2.10	1 3/4	3 1/2
1 1/4	1 1/4	2.60	2	5 3/8
1 1/2	1 1/2	3.60	2 1/4	8 1/8



Fig. 76

**SCOOP STRAINERS — Fig. 66**

Cast Bronze

Can be used with inlet connection, Fig. 64. No. 1 will fit up to 1/2 inch. No. 2 will fit up to 1 inch. No. 3 will fit up to 1 1/4 inches. No. 4 up to 2 inches.

No.	Each	Outside Dimension Inches	Weight Pounds
1	\$1.30	3 1/2 x 2 1/2	1/4
2	3.30	5 x 3 1/4	3/4
3	4.60	6 1/4 x 4 1/4	1
4	7.90	8 1/4 x 5 1/4	2



Fig. 66

**ROUND STRAINERS — Fig. 86**

Cast Bronze

Outside Diam. Inches	Each	Inside Diam. Inches	Weight Pounds
2 1/2	\$ .95	1 3/8	1/5
3	1.15	2	1/4
3 1/2	1.40	2 3/8	1/3
4	2.00	3	1/3
5	3.40	3 3/4	3/4
6	3.60	4 1/2	1



Fig. 86

**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	\$1.35	
3/8	1/2	1.40	
1/2	1/2	1.50	
3/4	3/4	1.70	\$2.05
1	1	2.45	4.15
1 1/4	1 1/4	2.65	4.40
1 1/2	1 1/2	4.45	4.80
2	2	5.05	7.40



Fig. 67 Straight  
 Fig. 78,  
 90 Degree

**MARINE WINDOWS – Fig. 796**

**With Spigot – Plain Bronze or Aluminum – Watertight – Two Fastenings**



Fig. 796

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.

Length spigot is 2 inches. Glass thickness is 1/4 inch.

No.	Size of Opening Inches	Plain Bronze Each	Plain Aluminum Each
1	5x12	\$48.00	\$35.00
2	7x16	66.00	43.00

	Dimensions Outside of Frame Inches	Dimensions Outside of Spigot Inches	Bronze Weight Pounds	Aluminum Weight Pounds
1	7 7/8 x 14 3/4	5 3/4 x 12 7/16	15	6 1/2
2	10 x 19 1/2	7 3/4 x 16 1/2	22	8 3/4

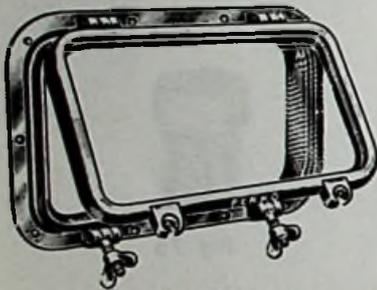


Fig. 803

**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	\$38.50	\$28.00	11 1/2	5
4	7x16	51.00	35.00	16	7



Finishing Frame

**No. SPECIAL FINISHING FRAMES FOR FIG. 803**

3	5x12	\$ 6.50	\$5.00	2 1/2	1
4	7x16	10.80	6.00	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—\$6.00 each. Size 7x16 inches—\$6.90 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	\$3.20	\$4.40	6	\$4.00	\$5.20
5	3.60	4.80	8	5.20	6.40

**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	\$19.20	4	7	1/4	3 3/4
5	24.50	5	8	1/4	5
6	28.50	6	9	1/4	6 1/2
* 8	38.00	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		Thickness Glass Inches	Weight 1 1/2 Inch Spigot In Pounds
	1 1/2 Inch Plain Bronze Each	3 Inch Plain Bronze Each		
4	\$19.20	\$24.50	1/4	4 3/4
5	24.00	30.00	1/4	7 1/4
6	30.00	37.00	1/4	8 1/2
8	42.00	50.00	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.

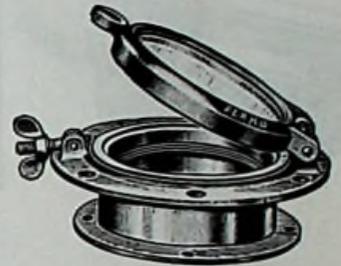
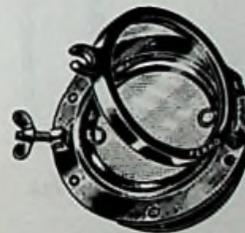


Fig. 157

Without outside finishing ring, deduct from above prices the following:

	4 Inch	5 Inch	6 Inch	8 Inch
Plain	\$1.40	\$1.55	\$1.90	\$3.70

NOTE—Screens for all portlights above see Fig. 442.



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	\$ 9.60	1/4	6	1 3/4
5	11.20	1/4	7 1/2	2
6	12.60	1/4	8 1/4	2 3/4
* 8	24.50	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
\$2.65	\$3.70	8	1 1/4 x 1	3



Fig. 461

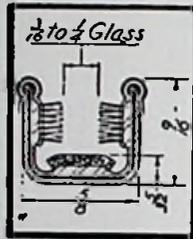
**RUBBER FOR PORTLIGHTS AND WINDOWS — Fig 461**

Size	Per Length
1/4 inch	\$2.35

Supplied only in 10 foot lengths.



Fig. 482



**GLASS RUN WINDOW CHANNEL — Fig. 482**  
**Vulcanized Rubber Covered — Mohair Lined —**  
**No. 400 Series Stainless Steel Bead**

Per 8 Foot Length — \$6.00



Fig. 954

**SLIDING WINDOW HANDLE — Fig. 954**

**18-8 Stainless Steel — Polished — For 1/4 Inch Glass**

A useful handle made for easier operation of sliding windows.

Each	Length Inches	Weight Ounces
\$1.10	3	1

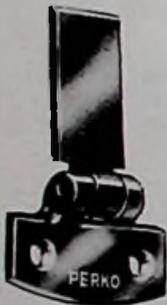


Fig. 935

**SLIDING WINDOW STOP — Fig. 935**

**Cast Bronze — Chromium Plated**

Each	Mounting Plate Inches	Stopping Plate Inches	Weight Ounces
\$3.60	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**

**Zamak Die Casting — Chromium Plated**  
**Bakelite Knob — Plastic Tip**

Each	Height Overall Inches	Mounting Plate Inches	*Length Screw Inches	Weight Ounces
\$1.75	1 5/8	1 x 5/8	1 1/8	1 3/4



Fig. 934



**NEW SLIDING WINDOW LOCK AND ANTI-RATTLER — Fig. 934**

**Zamak Die Casting — Chromium Plated —**  
**Bakelite Knob — Plastic Tip**

Each	Height Overall Inches	Dimensions Base Inches	*Length Screw Inches	Weight Ounces
\$1.50	1	2 x 3/8	1 1/8	1 1/2

\*Between knob and tip.

Special length screw to order. Minimum quantity 250 pieces. Price on application.

**OUTBOARD STEERERS**

**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 —  
With Solid Ivory Colored Wheel ..... **\$18.00 Each.**  
With Two Tone Colored Wheel ..... **\$18.75 Each.**

Outside Diameter Wheel Inches	Length Overall Inches	Length Dash To Grip of Wheel Inches	Diameter Score of Drum Inches	Diameter Overall of Drum Inches	Weight Pounds
15	12 $\frac{5}{8}$	7 $\frac{1}{2}$	2 $\frac{1}{2}$	3 $\frac{3}{4}$	7 $\frac{1}{4}$

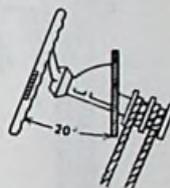
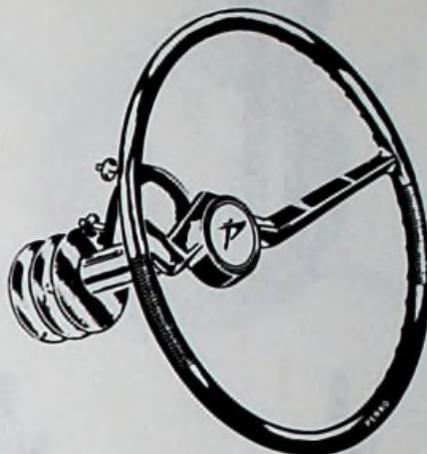
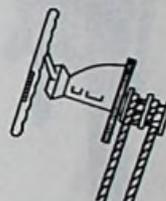


FIG. 1270



FOR ANGLE DASH FIG. 1272

**Figs. 1257 & 1257-B**

For Thru-Dashboard Mounting —  
Fixed Angle — Not Adjustable

With Solid Ivory Colored Wheel ..... **\$17.50 Each.**  
With Two Tone Colored Wheel ..... **\$18.25 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 $\frac{3}{4}$	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.

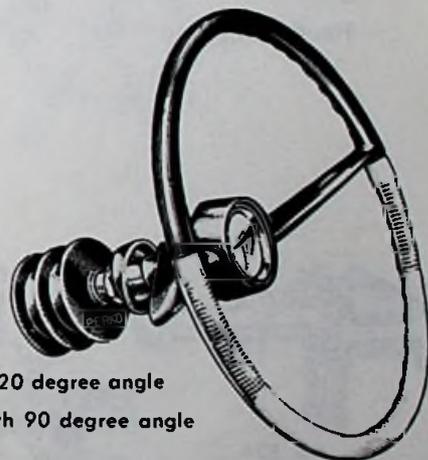


Fig. 1257 with 20 degree angle

Fig. 1257-B with 90 degree angle

**DRUM STEERERS — Fig. 661**

Cast Aluminum or Cast Bronze — For Tiller Rope  
With Die Cast Zamak Rope Drum

Diameter Overall Inches	Aluminum Each	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Diameter Drum Inches	Length Drum Inches
12	\$12.00	\$22.25	\$23.00	4 x 4	2 $\frac{3}{4}$	2 $\frac{1}{4}$
16	15.75			4 x 4	2 $\frac{3}{4}$	2 $\frac{1}{4}$



Fig. 661

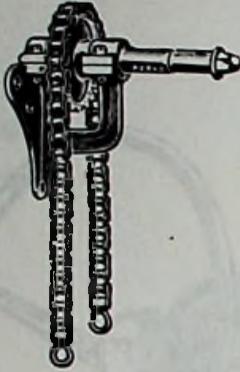


Fig. 678

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

Each	Wheel End of Shaft Inches	*Length Shaft Inches	Dimensions of Bracket Inches	Weight Pounds
\$80.00	1	2 $\frac{7}{8}$	6 x 5 $\frac{1}{2}$	11

\*Length between bracket and wheel.  
 With chromium plated nut add \$.75 each.

Chain only, without Shackles, per foot	\$10.50
Chain Shackles, each	1.30
Acorn Nuts, each	2.60
Sprocket only, each	9.00

Sprocket, 4 $\frac{3}{8}$  inch diameter, 21 teeth.  
 Chain, 36 inches long,  $\frac{5}{8}$  inch pitch.  
 Shaft machined for hub 2 $\frac{1}{8}$  inches thick.

Wheels for above see Figs. 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.

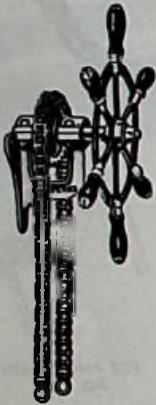


Fig. 674



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	Diam. Shaft Inches
16	\$111.00	\$115.00	1
20	123.00	128.00	1
24	158.00	163.00	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 or subtract the difference between Figs. 976 and 914, sizes No. 4, 5 or 6.

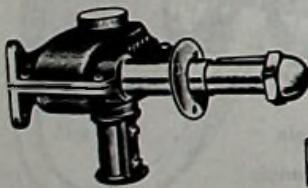


Fig. 524



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 Wheel Shaft Inches	Length For Hub Inches	Size Bracket Overall Inches	Weight Pounds
\$73.50	1	3	2 $\frac{1}{2}$	5x2 $\frac{3}{4}$	7 $\frac{1}{2}$

With Chromium plated nut and plate add \$1.00.

\*Length between box and wheel.

**WITH WHEEL AND FITTINGS — Fig. 820**

All Bronze—Shafting illustrated is Not Included In Price

No.	With Polished Bronze Wheel Each	With Chromium Plated Wheel Each	Diameter Wheel Inches	Weight Pounds
1	\$130.00	\$133.00	16	22
2	142.00	145.00	20	25
3	158.00	162.50	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.

**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 1/4	\$39.75	\$45.00	1	2 3/4
20	19 1/4	41.50	46.50	1	3 1/4
22	22 1/4		54.00	1	5
24	24 3/8		65.00	1	7
28	28		80.00	1	10
30	30		90.00	1	12

**NOTE — A special adapter kit to use above wheel with our Fig. 524 or 678 steerers add \$5.00 each.**

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, 3/4 or 7/8 inch bore. Larger sizes from 3/4 to 1 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 1/4"

Length bore, 24", 28", 30" sizes, is 1 3/8"

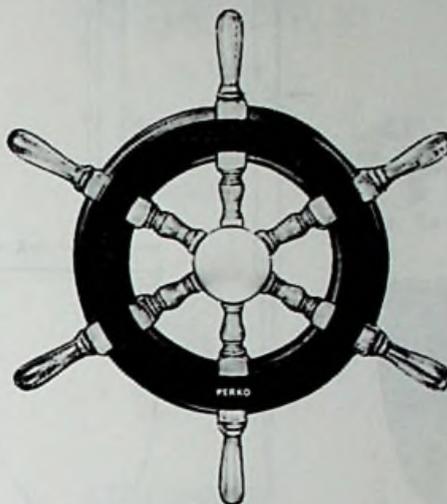


Fig. 657

**STEERING WHEELS — Fig. 976**

**Cast Bronze — Wood Grips — 1/4 Inch Keyway**

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	\$40.00	\$42.50	3/4, 7/8 or 1	2 1/8	4 1/4
5	20	54.50	57.00	3/4, 7/8 or 1	2 1/8	7 3/4
6	24	74.00	77.50	1	2 1/8	11

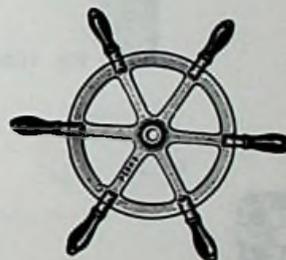


Fig. 976

**STEERING WHEELS — Fig. 914**

**Brass — Wood Grips — Round Spokes — 1/4 Inch Keyway**

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	\$29.50	\$32.50	7/8	1	4 1/4
2	20	34.00	37.50	7/8	1	5 1/4
3	24	42.00	46.50	1	1 1/4	6 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	\$32.50	\$35.50	3/4, 7/8 or 1	2 1/8	4 3/4
5	20	40.50	44.00	3/4, 7/8 or 1	2 1/8	6 1/4
6	24	48.50	52.50	1	2 1/8	7



Fig. 914

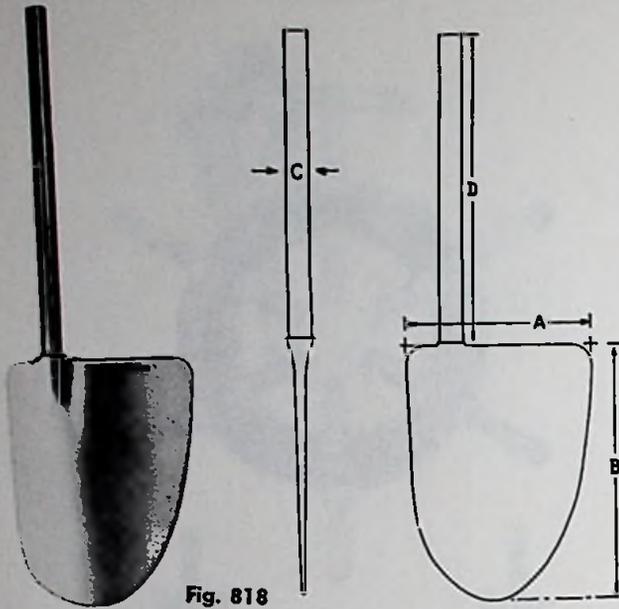


Fig. 818

**HYSPEED RUDDERS — Fig. 818**  
Cast Manganese Bronze

Constructed in perfectly balanced proportion. Designed for express cruisers, runabouts, speedboats and all boats not carrying a skag.

No.	Each	Dimension Inches				*Longer Stocks Per Inch	Weight Pounds
		A	B	C	D		
1	\$49.00	9	12	1	16	\$.70	13
2	62.00	10½	14	1⅛	18	.90	17
3	81.50	12	16	1¼	18	1.10	23

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

\*Longer Stock — In Addition To The Per Inch Charge There Is A Set Up Charge Of \$7.50 Added To List Prices.



Fig. 1088

**RUDDER STUFFING BOXES — Fig. 1088**

Cast Bronze — Plain — With Square Flange — Four Bolt Holes

For Diam. Post Inches	Each	Size Flange Inches	Length Bearing Inches	Drilled For Fastening Inches	Weight Pounds
1	\$16.80	3¾ x 3¾	5¼	¾	3
1½	19.80	3¾ x 3¾	5½	¾	3½
1¾	23.50	3¾ x 3¾	6¼	¾	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
¾	\$13.80	4 x 2	5½	¾	3
¾	14.40	4¼ x 2¼	5¾	¾	3¼
1	14.40	4¼ x 2¼	5¾	¾	3¼
1½	16.50	5 x 2½	5¼	½	3¾
1¼	22.00	5¾ x 3	6¾	½	5½
1¾	26.00	6¼ x 3¼	6¾	½	6½
1½	28.50	6½ x 3½	6¾	½	6¾



Fig. 815

**BRONZE RUDDER COLLARS — Fig. 815**

For Diam. Stock Inches	Each	Outside Diameter Inches	Thickness Inches	Weight Ounces
¾	\$2.70	1⅛	1⅛	2¼
¾	3.00	1¼	7/8	4
1	3.30	1¾	15/16	7
1⅛	3.60	1¾	15/16	6½
1¼	5.25	2¼	15/16	11
1¾	5.50	2½	1½	19
1½	6.30	2½	1½	19



Fig. 93

**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	\$10.80	\$10.20	¾	½	4½	1
2	14.40	14.00	1	¾	6	2¼

Specify if for rod or pipe.

STEERER AND CONTROL PARTS — Fig. 865

Cast Bronze

No.	Item	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Length Overall Inches	Length C. to C. Inches
1	Lever	\$10.80			8	6
1-A	Lever	12.90			10	†6-7-8
1-B	Lever	12.90			10	†6-7-8
1-C	Lever	12.90			10	†6-7-8
2	Clevis	3.90			2½	
2-A	Clevis	3.90			2½	
2-B	Clevis	5.75			4¼	
2-C	Clevis	5.75			4¼	
3	Lever	8.40			4½	2¾
4	Clevis	9.00			3½	
4-A	Clevis	9.00			3½	
5	Clevis	5.40			3	
5-A	Clevis	5.40			3	
6	Bracket		\$7.20	\$8.40	6½	
7	Bracket		8.40	9.60	4¼	
7-A	Bracket		8.40	9.60	4¼	
8	Bearing	4.65				
9	Shelf Plate		8.40	9.00	3½	
10	Deck Plate		5.70	6.50		
10-A	Deck Plate		5.70	6.50		
11	Bearing	5.20				
12	Collar		3.30	4.00		
12-A	Collar		3.30	4.00		
13	Lever	11.75				*6-7-8
14	Lever	11.35				**5-6
15	Lever	11.85				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							1¾
1-A	1	½							2½
1-B	1½	½							2¾
1-C	1¼	½							2¼
2			½	¾		½			½
2-A			½		½	½			½
2-B			½		¾	¾			¾
2-C			½	1		¾			¾
3	1	½	¾						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	1½						1		¾
8	1							3½	¾
9	1						3¼		1¼
10	1							4	½
10-A	1½							4	½
11	1							3¼	1
12	1								¼
12-A	1½								¼
13	1	½							2
14	¾	½	¾						1
15	1	½	¾						1½

Depth of Bearing — No. 8, ½ 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.



1. Lever



2. Clevis



3. Lever



4. Elbow Clevis



5. Angle Clevis



6. Bulkhead Bracket



7. Bulkhead Bracket



8. Lower Bearing



9. Shelf Plate



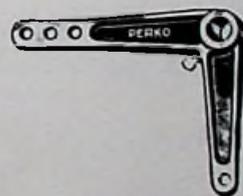
10. Deck Plate



12. Collar



11. Lower Bearing



13. Angle Lever



14-15. Lever

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	\$.72	\$.90	¼-20	½	¾	½
2	.90	1.20	¾-18	½	¾	1
3	.72	.90	¼-28	½	¾	½

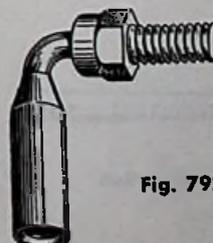


Fig. 792



Fig. 793



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.

Each	Length Cover Inches	Width Cover Inches	Height Cover Inches	Length Cable Brackets Inches	Weight Pounds
\$57.00	5 1/2	4	3 1/2	7 1/4	7 1/4

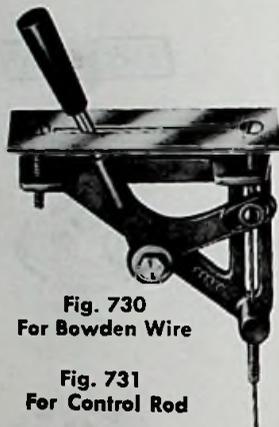


Fig. 730  
For Bowden Wire

Fig. 731  
For Control Rod

**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
\$14.50	5 3/4	1 1/2	2 1/8	1 3/8

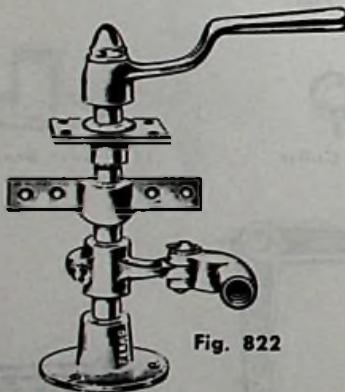


Fig. 822

**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
\$49.00	\$51.50	\$50.80	\$53.30	\$53.50	\$56.50

**SPARE PARTS**

	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each
Acorn Nut		\$3.70	\$4.20
Shelf Plate, Fig. 865 No. 9		8.40	9.00
Bulkhead Bracket, Fig. 865 No. 6		7.20	8.40
Lever, Fig. 865 No. 3	\$8.40		
Clevis, Fig. 865 No. 4	9.00		
Lower Bearing, Fig. 865 No. 11	5.20		



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	\$15.00	\$16.00	1 1/4
10	16.80	17.80	2
12	19.50	21.00	2 1/4

**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	\$ .84	¼-20	⅜	1⅜	⅜	⅜
2	.96	⅜-18	⅜	1⅜	⅜	⅜
3	1.15	⅜-16	½	1⅜	¼	¾
Heavy Duty Fig. 295						
4	\$1.20	¼-20	½	1⅜	¼	¾
4-A	1.20	¼-28	½	1⅜	¼	¾
5	1.20	⅜-18	½	1¼	¼	¾
6	1.35	⅜-16	½	1¼	¼	1⅜
6-A	1.35	10-32	½	1¼	¼	¾
Heavy Duty Fig. 298						
7	\$1.15	¼-20	⅜	1⅜	¼	¾
8	1.20	⅜-18	⅜	1⅜	¼	¾
9	1.15	¼-28	⅜	1⅜	¼	¾

Length jaws measured to center of pin

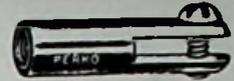


Fig. 328

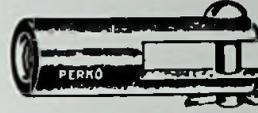


Fig. 295



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	\$ .84	1	⅜	⅜	½	½
2	1.15	1⅜	½	¼	1⅜	¾

Length jaws measured to center of screw.

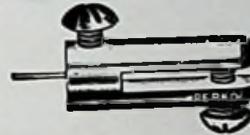


Fig. 679

**CONTROL WIRE HANDLES — Fig. 692**

For Casing With Left Hand Lay — All Brass —  
Chromium Plated — With Phosphor Bronze Spring

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
\$4.60	4⅞	⅜	2

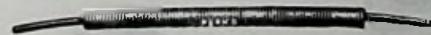


Fig. 353

**BOWDEN WIRE AND CASING — Fig. 353**

Brass — ¼ inch O.D. Casing — Left Hand Lay —  
Wire Diameter .072 Inches

50 FOOT LENGTHS ONLY  
Casing only per length \$26.00  
Wire only, per length \$3.00

**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
\$1.30	2¼x1	3



Fig. 352



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	\$ 7.50	3 1/2 x 1 3/4	3/8	2 3/4	2 1/2	1 1/4
1/2	7.80	4 x 1 3/4	1/2	2 3/4	2 1/2	1 1/2
5/8	8.70	4 1/4 x 1 3/4	5/8	3	2 1/2	1 1/2
1	9.90	4 1/2 x 2 1/4	3/4	3	2 1/2	1 3/4
1 1/8	12.60	4 3/4 x 2 1/4	7/8	3 1/2	2 1/2	2 1/4
1 1/4	15.30	5 1/4 x 2 1/4	1	4 1/4	2 1/2	3
1 1/2	19.50	6 1/4 x 3	1 1/8	4 1/2	3	3 1/4
1 3/4	22.50	6 1/2 x 3	1 1/4	5	3	3 3/4
2	35.40	7 x 3 3/4	1 1/2	5 1/2	4	5 1/4

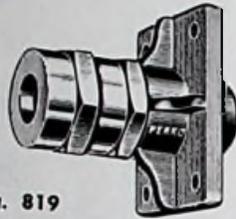


Fig. 819

**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	\$22.80	5 x 3	1/2	3 3/4 x 1 3/4	4	5 1/2
1 1/8	25.00	5 1/2 x 3 3/8	5/8	4 1/4 x 2 1/4	4 1/4	6 1/2
1 1/4	28.00	5 3/4 x 3 3/4	3/4	4 3/4 x 2 1/4	4 1/4	6 1/2
1 3/8	38.00	6 x 4	7/8	4 1/2 x 2 1/2	5	9
1 1/2	44.00	6 x 4 3/4	1	4 1/2 x 3	5 1/2	10
1 3/4	56.00	6 1/2 x 4 1/2	1 1/8	5 1/4 x 3 1/4	7	13 1/2
2	59.50	7 3/4 x 5	1 1/4	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	\$16.80	3/4	5 x 3 1/4	6 1/2	5
2	18.25	7/8	5 x 3 1/4	6 1/2	5
3	19.00	1	5 x 3 1/4	6 3/4	5
4	23.25	1 1/8	6 x 4 1/4	7 1/4	9
5	25.00	1 1/4	6 x 4 1/4	7 3/4	9 1/2
6	36.00	1 3/8	7 x 4 1/2	8	12 1/2
7	38.00	1 1/2	7 x 4 1/2	8 1/4	13

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



Fig. 73



Fig. 79

**PACKING NUT AND LOCK NUTS—Figs. 73 & 79**  
For Stuffing Boxes—Cast Bronze

No.	Shaft Size Inches	Fig. 73 Each	Fig. 79 Each	For Use With Figures
1	3/8	\$ 1.80	.95	320 - 672 No. 0-L
2	1/2	1.80	.95	320 & 672 No. 1-L
3	5/8	2.35	.95	672 No. 1-H & 1089
4	3/4	2.35	.95	320 & 1089
5	7/8	2.35	.95	672 No. 2-H
6	1	2.50	1.15	320, 672 No. 3-H, 819, 1088, 1089
7	1 1/8	3.50	1.45	320, 672 No. 4, 819, 1088, 1089
8	1 1/4	3.50	1.55	672 No. 5
9	1 1/2	4.50	1.90	320, 819, 1088, 1089
10	1 3/4	4.80	2.00	320, 672, No. 6, 819, 1089
11	2	4.80	2.00	672 No. 7
12	2 1/8	5.75	2.30	320, 819, 1089
13	2 1/4	10.20	4.00	320, 819
14	2 1/2	11.00	4.75	819



Fig. 961

**BRASS GREASE CUPS — Fig. 961**

No.	Each	Height Closed Inches	Outside Diam. Inches	Pipe Thread Inches	Capacity Ounces
1	\$ .75	1 1/8	3/8	1/8	1/4
2	1.00	1 1/4	1 1/8	1/4	1/2
3	1.50	2	1 1/4	3/8	3/4

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	\$14.40	3/8	9 3/8 x 2 1/2	15	12	3 1/2
1-L	14.40	3/4	9 3/8 x 2 1/2	15	12	3 1/2
3-L	16.80	1	9 1/2 x 2 1/4	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	\$20.40	3/4	12 x 3 1/2	18	12	5 1/4
2-H	20.40	3/8	12 x 3 1/2	18	12	5 1/4
3-H	20.40	1	12 x 3 1/2	18	12	5 1/4
4	41.50	1 1/8	17 x 4 1/4	23 1/2	10	10 1/4
5	41.50	1 1/4	17 x 4 1/4	23 1/2	10	10 1/4
6	54.50	1 3/8	19 x 5	28	10	17 1/4
7	54.50	1 1/2	19 x 5	28	10	17 1/4

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	\$13.75	3/8 or 3/4	9x4	10	9	3 1/2
1	20.00	3/4	11x5	12 1/4	13	6
2	20.00	3/8	11x5	12 1/4	13	6
3	20.00	1	11x5	12 1/4	13	6
4	33.00	1 1/8	13x5 1/2	14 1/2	14	10
5	33.00	1 1/4	13x5 1/2	14 1/2	14	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	Length Hose Inches
0-L	3/8	\$ 6.00	\$ .90	\$ .95	1 1/4	3 1/4
1-L	3/4	6.00	.90	.95	1 1/4	3 1/4
3-L	1	7.00	1.05	1.00	1 1/2	3 1/2
1-H	3/4	8.25	1.20	1.00	1 3/4	4
2-H	3/8	8.25	1.20	1.00	1 3/4	4
3-H	1	8.25	1.20	1.00	1 3/4	4
4	1 1/8	12.50	3.00	1.10	2 3/8	5
5	1 1/4	12.50	3.00	1.10	2 3/8	5
6	1 3/8	19.00	3.00	1.15	2 3/8	5
7	1 1/2	19.00	3.00	1.15	2 3/8	5



Fig. 672



Fig. 673



Fig. 1092

**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 1/4	3	5 1/2	4 1/2	6 3/4
1 1/4	3 1/2	6 1/2	5	12
1 3/4	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

Use bearings having the smallest outside diameter listed, except 1 inch size which is bored for 1 1/2 inch O.D. bearing.

Lgh. Drop. In.	Size Shaft Inches						
	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
5	\$22.00	\$24.00	\$26.00	\$26.00			
6	23.00	25.00	27.00	27.00	\$37.00	\$37.50	\$42.00
7	24.00	26.00	29.00	29.00	39.00	40.00	44.50
8	25.00	27.00	30.00	30.00	42.00	43.50	46.50
9			32.50	32.50	44.00	47.00	49.50
10			34.00	34.00	45.00	47.50	52.00
11					61.00	62.00	61.00
12					64.00	65.00	63.50

Specify size of shaft and length of drop, when ordering.



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.

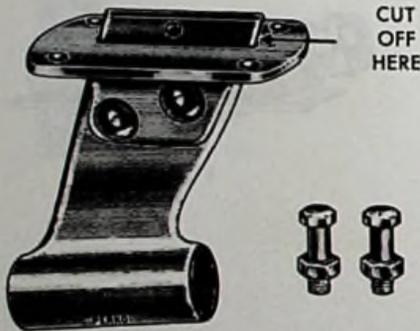


Fig. 1055

No.	Without Bearing Each	For Diam. Shaft Inches	For Cutless Bearing Code	Length Bearing Inches	Weight Pounds
1	\$30.00	3/4	Kale	3	6
2	30.00	7/8	Katy	3 1/2	6
3	30.00	1	Kava	4	6
4	34.50	1 1/8	Kersey	4 1/2	7 1/2
5	34.50	1 1/4	Kibble	5	7 1/2

**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	\$17.50	1 1/2	3 3/8 x 2 3/8	2 1/8
4	B-175-14	19.75	2 1/8	4 1/8 x 2 1/8	2 3/32
5	B-175-12A	19.00	2 3/8	5 1/8 x 2 1/8	2 1/32
6	B-175-12	19.00	2 3/8	5 1/8 x 2 1/8	2 1/32
7	B-175-16	19.00	2 3/8	5 1/8 x 2 1/8	2 1/32
8	B-175-13	21.00	3	5 1/8 x 3 1/8	2 1/32



Fig. 464

**ZINC MARINE OILERS—Fig. 326**

Spring Brass Bottom

Complete Per Dozen	Extra Spouts Per Dozen	Capacity Ounces	Diam. Inches	Length Spout Inches	Weight Per Dozen Pounds
\$19.56	\$5.40	8	4	4	3 1/8



Fig. 326

**FUEL STRAINER — Fig. 299**

Cast Bronze Housing — With "Kwick Klean" 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	\$21.00	\$1.00	5½	2¾	¼	3¾
1-B	21.00	1.00	5½	2¾	¾	3¾
1½-A	30.00	1.10	6¼	3½	¾	6
1½-B	30.00	1.10	6¼	3½	½	6

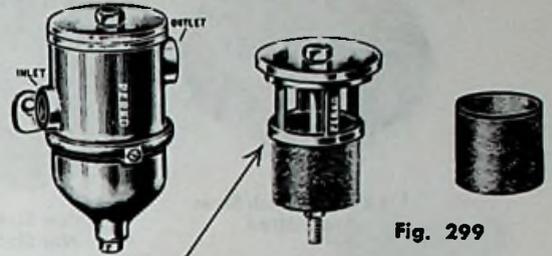


Fig. 299

Improvement — Threaded here instead of at top flange. This prevents passage of foreign matter out of lower chamber.

**FUEL FILTER — Fig. 303**

Cast Bronze with Mounting Bracket — Brass Bowl — "Kwick Klean" Filter Element

Complete Each	Tapped For Pipe Inches	Length Overall Inches	Width Overall Inches	Weight Pounds
\$14.00	¾	4	3¼	1½



Fig. 303

**INTAKE WATER STRAINER — Fig. 493-A**

Cast Bronze — Stainless Steel Strainer — Transparent Lucite Cylinder

No.	Pipe Size Inches	Complete Each	Size Cylinder Inches	Height Inches	Width Overall Inches	Weight Pounds
0	¾	\$20.50	2½ x 2¾	4¼	3¼	1½
00	½	20.50	2½ x 2¾	4¼	3¼	1½



Fig. 493-A

**INTAKE WATER STRAINERS — Fig. 493**

Cast Bronze — Stainless Steel Strainer — Transparent Lucite Cylinders — Brass Tie Rod

For installation between hull connection and water pump to the engine. Lucite cylinders are difficult to break even when struck with hammer. Gaskets are corprene, (neoprene and cork) waterproof and resilient.

No.	Complete Each	Spare Lucite Cylinders Each	Spare Cylinder Gaskets Each	Spare Strainers Each	With Monel Tie Rod Add Each
1	\$30.00	\$ 5.50	\$.35	\$2.65	\$ 1.75
2	37.80	6.85	.45	4.10	3.75
3	39.50	7.15	.45	4.60	3.95
4	42.00	8.25	.45	5.25	4.15
5	64.00	12.00	.75	6.00	7.25
6	79.00	17.00	.75	8.80	10.00
7	106.00	17.00	.75	8.80	10.00

Spare Wing Nut Gaskets — \$.12 each.

No.	Pipe Size Inches	Size Cylinder Inches	Height Inches	Width Overall Inches	Weight Pounds
1	½	3½x4	5¾	4½	3¾
2	¾	4½x5	7¾	5¼	5
3	1	4½x5½	8½	5½	5½
4	1¼	4½x6	8¾	5½	5¾
5	1½	6 x8	11½	7	10½
6	2	6 x12	16	7¼	12¾
7	2½	6 x12	16	7½	17

Height does not include top nut or drain plug.



Fig. 493



1 1/4 and 1 1/2 Inch Sizes Are Slotted



Other Sizes are Not Slotted



Fig. 528

**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," or "fuel" show in flange of all sizes except 3/4 inch when specified. Otherwise unmarked deck plates will be shipped. Note, markings are in flange instead of cap which makes it easy to identify opening when cap is removed.

Pipe Size Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Keys Only Each	Outside Diam. Plate Inches	Weight Pounds
* 3/4	\$ 3.95	\$ 5.80	\$ .25	2 3/8	1/2
* 1	4.50	6.30	.25	2 7/8	3/4
# 1 1/4	5.85	8.00	.25	3 1/4	3/4
# 1 1/2	6.90	9.20	.25	3 3/4	1
* 2	10.50	13.00	.35	4 1/4	1 1/2
* 2 1/2	14.00	16.35	.55	4 3/4	2
* 3	19.00	21.50	.65	5 3/8	2 1/2

Caps only, price is 50% of complete plate.

\*Supplied with new key Fig. 1248.

# Slotted cap for screw driver or coin.



**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	\$ 3.95	\$ 5.65	\$ .25	2 1/2	1/2
* 1 1/2	4.95	6.90	.25	3 1/4	3/4
* 2	5.85	8.00	.35	3 3/4	3/4
* 2 1/2	7.50	10.00	.35	4 1/2	1
3	8.60	12.70	.75	4 7/8	1 1/2
3 1/2	13.00	15.00	.85	5 1/2	1 3/4
4	13.25	16.75	.85	5 3/4	2
5	19.00	22.50	1.00	7 1/4	2 3/4
6	27.00	34.00	1.85	8 1/4	5
8	43.00	47.50	2.65	10 1/4	7

Caps only, price is 50% of complete plate.

\*Supplied with new key Fig. 1248.



**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	\$ 7.80	\$10.50	\$11.00	3 3/8	3/4
2 1/2	9.50	12.50	13.25	4 1/2	1 1/4
3	12.00	14.00	16.00	4 7/8	1 3/4
3 1/2	13.00	17.50	18.50	5 1/2	2
4	16.50	21.00	22.50	5 3/4	2 1/2
5	21.00	26.50	28.00	7 1/4	3 1/2
6	33.50	40.00	42.00	8 1/4	6 1/4
8	50.00	56.00	58.00	10 1/4	8 1/2

Complete with key and extra ring for cowl.



**SWIVEL DECK PLATES — Fig. 419**  
Cast Bronze — For Cowl Ventilators



Fig. 419

For Size Ventilator Inches	Opening in Base Inches	Machine Finish Each
3	2 1/4	\$ 9.50
4	3 1/2	13.00
5	4 1/2	16.75
6	5	24.00
8	7	31.00
10	9 1/4	38.00

Permits cowl to be turned to any direction.



**DECK PLATE KEYS — Fig. 1248**  
Zamak Die Casting — Natural Finish

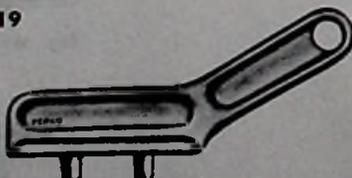


Fig. 1248

These more efficient keys are supplied with certain sizes of deck plates as indicated above. They are very strong and provide much greater leverage.

**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
\$2.75	1½	1¼	3⅞	7	9½	6

Spare caps only with chain, \$2.00 each.



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	\$ 8.40	1½	1⅜	3¼	8	9½
2	10.75	2	1⅜	3⅞	8	15

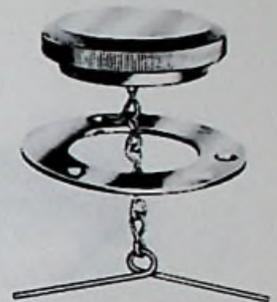


Fig. 520

**GAS TANK FILLER WITH THREADED CAP — Fig. 1251**  
**Zamak Die Casting — Chromium Plated**

No.	Each	Inside Diameter Neck Inches	For Hose Inches	Length Neck Inches	Height Overall Inches	Weight Pounds
1	\$4.30	1¼	1½	3¼	4¼	1
2	4.30	1⅝	1⅞	3¼	4¼	1¼



Fig. 1251

**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.

No.	Each	Inside Diameter Neck Inches	For Hose Inches	Length Neck Inches	Flange Dimensions Inches	Weight Ounces
1	\$5.25	1¼	1½	3¼	4 x 4	9
2	5.25	1⅝	1⅞	3¼	4 x 4	11



Fig. 1276

**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
\$ .75	1½	1	2



Fig. 1275

**GASOLINE FUNNELS — Fig. 81**  
**Galvanized Sheet Metal —**  
**With No. 100 Mesh Bronze Removable Strainer**

Each	Diam. Top Inches	Height Inches	Capacity Pints	Weight Ounces
\$3.50	8	8½	2	8



Fig. 81



Fig. 506  
Zamak Die Casting  
Fig. 509  
Cast Bronze

**GAS TANK VENTS — Figs. 506 & 509**  
Natural or Chromium Plated Finish  
With Copper Wire Mesh Screening

Natural finish is desirable when fitting is to be painted to match color of hull or transom.

Fig.	Size No.	Natural Finish Each	Chromium Plated Each	Pipe Size Inches	Hose Size Inches	Max. Wood Thickness Inches	Weight Ounces
506		\$1.50	\$1.75	3/8	7/16	1	2
509	1	2.65	3.55	3/8	7/16	1	4
509	2	3.25	4.50	1/2	3/8	7/8	6

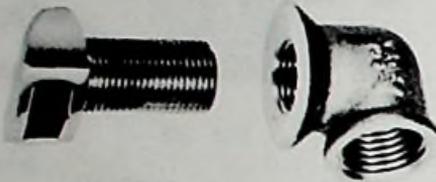


Fig. 503

**GAS TANK VENTS — Fig. 503**  
Cast Bronze — With Flanged Elbow —  
With Copper Wire Mesh Screening

No.	Plain Each	Chromium Plated Each	Neck Pipe Size Inches	Elbow Pipe Size Inches	Max. Wood Thickness Inches	Weight Ounces
1	\$3.20	\$4.00	3/8	3/8 x 3/8	1	5 1/2
2	3.20	4.00	3/8	3/8 x 1/2	1	5 1/2
3	3.90	5.00	1/2	1/2 x 1/2	7/8	6



Fig. 515

**GAS TANK VENTS — Fig. 515**  
Cast Bronze — With Copper Mesh Screening.

No.	Natural Finish Each	Chromium Plated Each	Pipe Size Inches	Max. Wood Thickness Inches	Weight Ounces
1	\$2.60	\$3.55	3/8	7/8	3 3/4
2	3.25	4.50	1/2	7/8	5 1/4

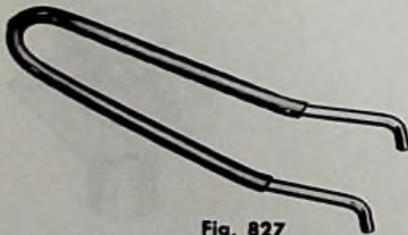


Fig. 827

**DECK PLATE KEY — Fig. 827**  
Stainless Steel

Will fit various sizes of deck plates up to 3 inches.

Each	Length Overall Inches	Diameter Metal Inches	Weight Ounces
\$1.10	5 3/4	3/16	1 3/4

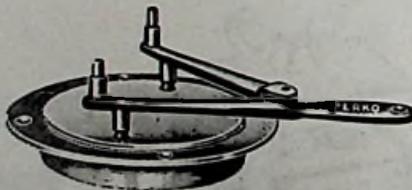


Fig. 826

**DECK PLATE KEY — Fig. 826**  
Cast Bronze — Adjustable to all sizes of Deck Plates —  
Improved Unbreakable Pins — Heavy Duty

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

Each	Length Overall Inches	Weight Pounds
\$3.60	8 1/2	1



Fig. 142

**COCKPIT SCUPPER — Fig. 142**  
Cast Bronze — With Rubber Ball — Back Water Check

Especially needed in sailboats when outlet is below the waterline.

Angle of outlet is 45 degrees.

No	Plain Each	Chromium Plated Each	Diameter Flange Inches	Diameter Grate Inches	For Diam. Hose Inches	Weight Pounds
1	\$ 8.50	\$10.75	3 1/4	1 1/8	1	1 1/4
2	12.25	14.75	3 1/4	2 1/4	1 1/2	2

**EXHAUST FLANGES — Figs. 214 & 738**

**Cast Bronze**

Fig. 214 for Pipe

Size Inches	Plain Each	Chromium Plated Each	Inside Diameter Inches	Outside Diameter Inches	Weight Pounds
1 1/2	\$2.20	\$3.00	1 7/8	3 1/4	1/8
2	2.65	3.70	2 1/2	4	1/8
2 1/2	3.25	4.50	2 7/8	4 1/2	1/8
3	4.15	5.20	3 1/2	5 1/2	3/8
3 1/2	4.30	5.40	4 1/2	6	1

Fig. 738 for Tubing

Size Inches	Plain Each	Chromium Plated Each	Inside Diameter Inches	Outside Diameter Inches	Weight Pounds
2	\$2.65	\$ 3.70	2 1/8	4	1/8
2 1/2	3.25	4.50	2 3/8	4 1/2	1/8
3	4.15	5.20	3 1/8	5	3/8
3 1/2	4.25	5.35	3 3/8	5 1/2	3/8
4	4.25	5.35	4 1/8	6	3/4
5	6.00	7.20	5 1/16	7 1/16	1
6	8.65	10.20	6 1/16	8 1/16	1 3/8
8	9.80	14.00	8 1/16	10 1/16	1 7/8

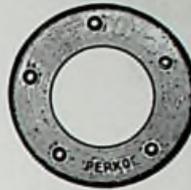


Fig. 214 for Pipe

Fig. 738 for Tubing

**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 7/8 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
\$4.80	\$7.00	3 1/4	1 1/8	3 1/2	1 1/8

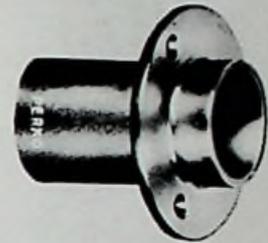


Fig. 755

**STAINLESS STEEL "SURE-TITE" MARINE HOSE CLAMPS — Fig. 6400**

**No Rivets — Welded**

**HIGH SPEED** — Goes on with hose in position . . . safety collar on screw driver keeps screw driver from slipping. **HIGH POWER** — Gear-drive principle assure positive, leak-proof seal under all conditions.

Part Number	Each	Size Hose Inches		Clamp Diameter Inches		Box Quantity	Weight Per 100 in Pounds
		From	To	Min.	Max.		
10	\$.45	3/8	3/4	3/8	1 1/8	10	6
12	.45	3/8	3/4	1 1/16	1 1/4	10	6
16	.46	3/4	1	1 3/16	1 1/2	10	7
20	.47	1	1 1/4	1 3/8	1 3/4	10	7
28	.49	1 1/4	1 3/4	1 3/8	2 1/4	10	8
36	.51	1 3/4	2 1/4	1 13/16	2 3/4	10	9
44	.54	2 1/4	2 3/4	2 3/8	3 1/4	10	9
52	.57	3	3 3/4	2 13/16	3 3/4	10	11
56	.57	3 1/4	3 1/2	3 1/4	4	10	11
64	.60	3 1/2	4	3 3/8	4 1/2	10	12



Fig. 6400

100% ALL 18-8 STAINLESS STEEL BAND. HOUSING AND SCREW.

\*The most popular stock sizes.

**"STRAP-TITE" MARINE HOSE CLAMPS — Fig. 499**

**Stainless Steel — Instantly Adjustable For Any Size Hose Up To 3 1/2 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.	Each	Length Open Inches	Width Strap Inches	Box Quantity	Weight Ounces
1	\$.65	12	1/2	50	1 1/2

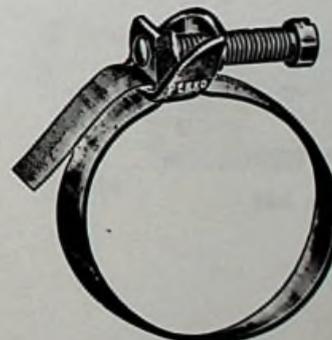


Fig. 499

**SHAFT COUPLINGS — Fig. 327**

**Cast Iron**

Diameter Shaft Inches	Each	Diameter Overall Inches	Length Overall Inches	Size Keyway Inches	Weight Pounds
3/4	\$9.50	4	3 1/2	3/16	5 1/4
7/8	9.50	4	3 1/2	1/4	5
1	9.25	4	3 1/2	1/4	4 7/8
1 1/8	9.25	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 bolts furnished.



Fig. 327



Fig. 252



Fig. 253



Fig. 407



Fig. 244

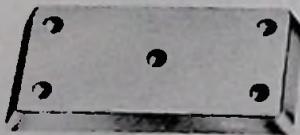


Fig. 345

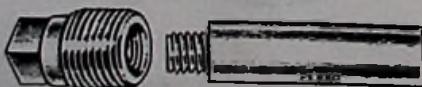


Fig. 254

**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 the 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	5.00	2 1/4	1 3/4	5	4 3/4
10	4.75	2 1/2	1 3/4	5	4
11	4.50	3	1 3/4	5	4

**ELECTROLYSIS ELIMINATORS – Fig. 407**  
For Rudders – Smooth Zinc Die Castings –  
Silicon Bronze Flush Bolt – With Hex Nut



No.	Per Set as Illustrated	Diameter Inches	Thickness Each Half Inches	Length Bolt Inches	Weight Complete Ounces
1	\$1.80	2 13/16	5/8	1 1/4	16
2	2.00	2 13/16	5/8	1 1/2	17

**ELECTROLYSIS ELIMINATORS – Fig. 244**  
Die Cast – Pure Zinc – For Hull

No.	Each	Length Inches	Width Inches	Depth Inches	Weight
1	\$ .75	3 1/2	1 3/4	5/8	6 1/2 oz.
2	1.45	5 1/4	2 1/8	1	1 1/4 lb.

**ELECTROLYSIS ELIMINATORS – Fig. 345**  
Die Cast Zinc – For Hull

Each	Length Inches	Width Inches	Thickness Inches	Weight Pounds
\$2.45	6 1/4	2 3/4	3/8	1 7/8

**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	\$1.70	\$ .70	3/8	3/8 x 1 3/4	2
2	2.10	.90	1/2	3/8 x 2	4 1/2
3	2.65	1.10	3/4	3/4 x 2	7
4	2.90	1.30	3/4	3/4 x 3 1/4	8 1/2

**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
\$2.75	6	5/16	3 1/4	2 1/2	10

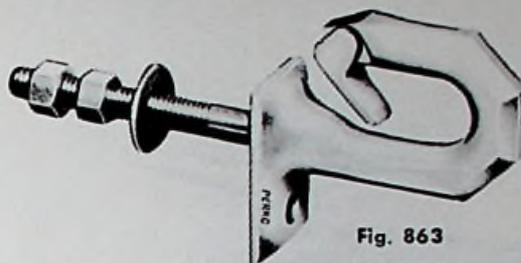
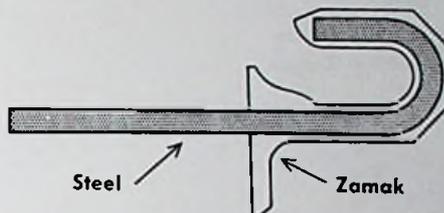


Fig. 863



**WATER SKI TOWING HOOK—Fig. 861**

**Cast Bronze**

Link prevents tow line from jumping out. This unit also serves as a chock or hook for dock line.

Plain Each	Chromium Plated Each	Length Overall Inches	Width Inches	For Screw No.	Weight Pounds
\$3.10	\$6.00	3 1/4	1 1/4	12	1/2



Fig. 861



**RING BUOY HOLDERS — Fig. 1017**

**Cast Bronze**

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Width Mounting Plate Inches	Hgt. Over-all Inches	For Screw No.	Wt. Lbs.
\$2.50	\$4.75	\$5.25	3	4 1/2	8	1/4



Fig. 1017



**CURVED REAR VIEW MIRROR — Fig. 406**

**Wide Vision — Non-Glare — Lead Backed Glass —  
Salt Spray Tested — Zamak Die Cast Base —  
Chromium Plated**

Each	Width Mirror Inches	Height Mirror Inches	Height Overall Inches	Size Base Inches	Weight Pounds
\$9.00	12	2 3/4	4 1/2	3 3/4 x 3/4	1/4



Fig. 406



**CURVED REAR VIEW MIRROR — Fig. 400**

**Wide Vision — Non-Glare Glass —  
For Mounting On Top Of Windshield — Adjustable**

Each	Width Mirror Inches	Height Mirror Inches	Weight Pounds
\$6.50	11 3/4	2 1/2	1/2

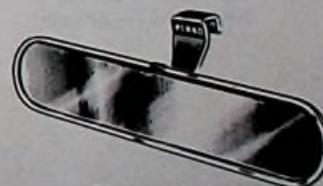


Fig. 400

**STREAMLINE CLEATS**

Cast Bronze — Chromium Plated — Fig. 850

Length Inches	Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
3	\$3.00	2 <sup>3</sup> / <sub>16</sub> x 1 <sup>1</sup> / <sub>8</sub>	3/8	8	10	4
4 <sup>1</sup> / <sub>2</sub>	5.70	4 <sup>1</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>4</sub>	3/8	10	5	10

Zamak Die Castings — Chromium Plated — Fig. 566

Length Inches	Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
2	\$ .60	2 <sup>3</sup> / <sub>16</sub> x 1 <sup>1</sup> / <sub>8</sub>	5/16	6	10	2
3	.80	3 <sup>1</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>2</sub>	3/8	8	10	4 <sup>1</sup> / <sub>2</sub>
4 <sup>1</sup> / <sub>2</sub>	1.25	4 <sup>7</sup> / <sub>16</sub> x 1 <sup>7</sup> / <sub>8</sub>	1/2	10	10	9
6	2.10	5 <sup>1</sup> / <sub>2</sub> x 2	3/4	12	5	13 <sup>1</sup> / <sub>2</sub>
7 <sup>1</sup> / <sub>2</sub>	4.75	4 <sup>3</sup> / <sub>8</sub> x 2 <sup>3</sup> / <sub>4</sub>	1	12	5	24

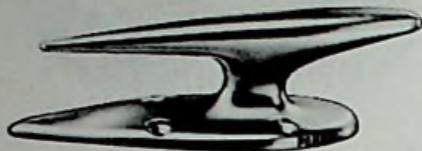


Fig. 850 — Bronze  
Fig. 566 — Zamak

**MODERN DESIGN CLEATS**

Cast Bronze — Chromium Plated — Fig. 851

Length Inches	Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
3	\$3.00	1 <sup>1</sup> / <sub>4</sub> x 1 <sup>3</sup> / <sub>4</sub>	3/8	8	10	2 <sup>1</sup> / <sub>2</sub>
4 <sup>1</sup> / <sub>2</sub>	3.90	1 <sup>3</sup> / <sub>4</sub> x 1 <sup>1</sup> / <sub>2</sub>	3/8	8	10	6

Zamak Die Castings — Chromium Plated — Fig. 1250

Length Inches	Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
3	\$ .90	1 <sup>1</sup> / <sub>2</sub> x 1 <sup>1</sup> / <sub>4</sub>	3/8	8	30	2 <sup>1</sup> / <sub>2</sub>
4 <sup>1</sup> / <sub>2</sub>	1.35	1 <sup>3</sup> / <sub>8</sub> x 1 <sup>1</sup> / <sub>2</sub>	1/2	8	10	8
6	2.15	2 <sup>1</sup> / <sub>4</sub> x 2 <sup>3</sup> / <sub>8</sub>	3/4	10	5	13



Fig. 851 — Bronze  
Fig. 1250 — Zamak



**STURDY CLEATS**

Cast Bronze — Chromium Plated — Fig. 765

No.	Length Inches	Each	Size Base Inches	For Rope Inches	For Screw No.	Weight Ounces
3	5	\$4.35	1-7/16 x 1	5/8	10	6
4	6 <sup>1</sup> / <sub>2</sub>	5.75	1-3/4 x 1-3/16	3/4	10	9

Zamak Die Castings — Chromium Plated — Fig. 1200

No.	Length Inches	Each	Size Base Inches	For Rope Inches	For Screw No.	Weight Ounces
*1	2 <sup>3</sup> / <sub>8</sub>	\$ .75	7/8 x 1/2	3/8	8	1 <sup>1</sup> / <sub>4</sub>
2	3 <sup>1</sup> / <sub>2</sub>	.95	1-3/16 x 11/16	1/2	8	3
3	5	1.40	1-7/16 x 1	5/8	10	7 <sup>1</sup> / <sub>4</sub>
4	6 <sup>1</sup> / <sub>2</sub>	2.20	1-3/4 x 1-3/16	3/4	10	11

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



Fig. 765 — Bronze  
Fig. 1200 — Zamak



**STURDY CLEATS WITH STUDS**

Studs 1/4"-20 x 1 1/4" Long — With Nuts and Washers

Cast Bronze — Chromium Plated — Fig. 766

No.	Length Inches	Each	Size Base Inches	For Rope Inches	Weight Ounces
3	5	\$5.00	1-7/16 x 1	5/8	6 <sup>1</sup> / <sub>2</sub>
4	6 <sup>1</sup> / <sub>2</sub>	6.20	1-3/4 x 1-3/16	3/4	9 <sup>3</sup> / <sub>4</sub>

Zamak Die Castings — Chromium Plated — Fig. 1204

No.	Length Inches	Each	Size Base Inches	For Rope Inches	Weight Ounces
2	3 <sup>1</sup> / <sub>2</sub>	\$1.35	1-3/16 x 11/16	1/2	3 <sup>1</sup> / <sub>4</sub>
3	5	1.75	1-7/16 x 1	5/8	7 <sup>1</sup> / <sub>2</sub>
4	6 <sup>1</sup> / <sub>2</sub>	2.55	1-3/4 x 1-3/16	3/4	11 <sup>1</sup> / <sub>2</sub>

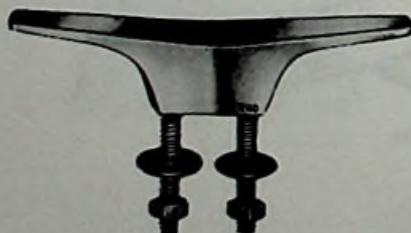


Fig. 766 — Bronze  
Fig. 1204 — Zamak



**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	\$1.95	\$2.15	3	3/8	6	12	2
1	2.35	2.60	4	1/2	7	12	3 <sup>1</sup> / <sub>2</sub>
2	3.15	3.45	5	3/8	8	12	5 <sup>1</sup> / <sub>2</sub>



Fig. 1030

**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	\$2.10	\$2.30	8	10	2½
4	2.50	2.75	10	10	4
5	3.60	3.95	¼"	10	5½
6	4.30	4.60	¼"	10	8



**OPEN BASE BOAT CLEATS — Fig. 544**

**Galvanized Iron Or Cast Bronze**

Length Inches	Cast Iron Each	Polished Bronze Each	Chromium Plated Each	Galv. Weight Pounds
3½	\$ .33			⅝
4	.39	See Figure 544 A		¾
5	.55			⅞
6	.83			½
8	1.49	\$ 6.95	\$ 7.40	1¼
10	2.47	11.90	12.30	2¼
12	3.47	16.50	17.40	3¾
14	4.95			6¼



**CAST ALUMINUM CLEATS — Fig. 545**

**Plain Finish**

Length Inches	Each	Size Base Inches	For Screw No.	Weight Ounces
3	\$ .40	1½ x ⅝	8	1½
4	.50	1⅝ x ¾	10	2
5	.60	2 x ⅞	¼"	3
6	.80	2¼ x ⅞	¼"	4
*8	1.00	2⅝ x 1⅞	¼"	5
*10	1.90	3⅞ x 1¼	⅝"	9
*12	2.50	4 x 1½	⅝"	14

\*These sizes are open base type.  
Balance of sizes are solid base type.



**YACHT CLEATS**

**Cast Bronze — Fig. 572**

Length Inches	Polished Bronze Each	Chromium Plated Each	For Screw No.	Weight Pounds	Packed Per Box
4½	\$ 4.30	\$ 4.80	10	½	10
5½	4.95	5.30	10	⅝	5
6½	6.45	6.85	12	¾	5
*8	7.30	7.95	¼"	1¼	
*10	11.60	12.60	⅝"	2	
*12	17.20	18.95	⅝"	3	

**Zamak Die Castings — Chromium Plated — Fig. 1188**

Length Inches	Each	Width Base Inches	For Screw No.	Weight Ounces
4	\$1.95	1⅝	10	3½
6	2.35	1¾	10	7½

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



**CAST ALUMINUM SHIP'S CLEATS — Fig. 530**

**Plain Finish**

Length Inches	Each	Size of Base Inches	Holes for Diam. Bolts Inches	Weight Each Pounds
8	\$ 3.50	4 x 2¼	½"	1⅞
10	4.65	4½ x 3	½"	1¾
12	7.15	6½ x 2⅞	⅝"	3½
15	10.75	7 x 3¼	¾"	4⅞



Fig. 544-A



Fig. 544



Fig. 545



Fig. 572 — Bronze

Fig. 1188 — Zamak



Fig. 530



Fig. 767 Bronze  
Fig. 1292 Zamak



**"STURDY" CHOCKS**

Cast Bronze — Chromium Plated — Fig. 767

Per Pair	Length Overall Inches	Extreme Width Base Inches	For Rope Diameter Inches	Screw No.	Weight Per Pair Ounces
\$8.40	4 1/2	1	1/2	10	11

Zamak Die Casting — Chromium Plated — Fig. 1292

Per Pair	Length Overall Inches	Extreme Width Base Inches	For Rope Diameter Inches	For Screw No.	Weight Per Pair Ounces
\$2.10	4 1/2	1	1/2	10	8



**MODERN DESIGN BOW CHOCKS — Fig. 852**

Cast Bronze — Chromium Plated

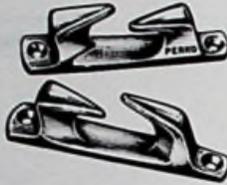


Fig. 852

Per Pair	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	For Screw No.	Packed Pairs Per Box	Weight Per Pair Ounces
\$8.25	4	1 1/8	1/2	8	10	10



**MODERN DESIGN BOW CHOCKS — Fig. 1253**

Zamak Die Castings — Chromium Plated



Fig. 1253

Per Pair	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	For Screw No.	Packed Pairs Per Box	Weight Per Pair Ounces
\$1.75	4	1 1/8	1/2	10	10	7



**BOW CHOCKS — Fig. 546**

Cast Bronze



Fig. 546

Lgth. Inches	Polished Bronze Per Pair	Chrome Plated Per Pair	Width Inches	For Diam. Rope Inches	Bronze For Screw No.	Wt. Per Pair Lbs.
3	\$ 3.25	\$ 3.90	3/8	1/2	8	1/4
4	4.40	4.90	3/8	3/8	10	1/2
5	8.50	9.25	7/8	3/8	10	1
6	11.40	12.30	1	1	14	1 1/2
8	16.20	17.50	1 1/4	1 1/8	14	3



**SKENE BOW CHOCKS — Fig. 1223**

Zamak Die Casting — Chromium Plated



Fig. 1223

Per Pair	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	For Screw No.	Packed Pairs Per Box	Weight Per Pair Ounces
\$1.25	3 1/2	3/8	1/2	8	10	4



**STRAIGHT STERN CHOCKS — Fig. 119**

Galvanized Or Cast Bronze



Fig. 119

Length Inches	Galv. Iron Each	Polished Bronze Each	Chrome Plated Each	Width Inches	For Diam. Rope Inches	Bronze For Screw No.	Wt. Each lbs.
4	\$.55	\$3.60	\$ 4.15	3/4	3/4	8	1/4
5	.77	5.10	5.40	1	3/8	10	1/2
6	1.20	5.80	6.10	1 1/4	1	12	3/4
8	2.35	9.70	10.50	1 3/4	1 1/8	14	1 1/2
10	4.12			1 3/4	1 1/2	1 1/2"	2 1/4
12	7.70			2 1/4	1 3/4	3 1/4"	7 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 Per Pair Ounces	Packed Pairs Per Box
\$2.00	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	For Diam. Rope Inches	Weight Per Pair Pounds
1	\$ 8.30	\$ 9.25	4½	¾	⅝	¾
2	12.50	13.40	5⅝	1⅛	¾	1½
3	24.00	25.00	7¼	1¾	⅞	4



Fig. 160

**SKENE STERN CHOCKS — Fig. 161**

Cast Bronze

Size No.	Polished Bronze Each	Chromium Plated Each	Length Inches	Width Inches	For Diam. Rope Inches	Weight Each Pounds
11	\$ 4.10	\$ 4.80	4	⅞	⅝	½
12	8.10	8.90	5¾	1¼	¾	1
13	12.00	12.90	7	1¾	⅞	2



Fig. 161

**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
\$6.50	\$9.00	4¼x6¼	2¼x4	1¼	1¼



Fig. 752

**IMPROVED COMBINATION BITT AND ROPE DECK PIPES — Fig. 431**

Cast Bronze — With Stainless Steel Cross Pin

No.	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Height Inches	For Diam. Rope Inches	Weight Pounds
2	\$15.00	\$15.60	4¼x4¼	3½	¾	1¾
3	27.50	28.50	6 x6	5	1	4
4	57.50	60.00	7 x7	6½	1¼	12

No. 2 Drilled for ¼ inch bolt.

No. 3 Drilled for ⅜ inch bolt.

No. 4 Drilled for ½ inch bolt.

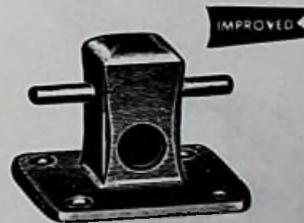


Fig. 431

**IMPROVED MOORING BITTS — Fig. 608**

Cast Bronze — With Stainless Steel Cross Pin

No.	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Height Inches	For Screw No.	Weight Pounds
1	\$ 7.80	\$ 8.90	3 x3	2½	10	¾
2	13.80	14.40	4¼x4¼	3½	¼"	1¾
3	26.50	27.30	6 x6	5	⅜"	4½
4	55.00	58.00	7 x7	6½	½"	12

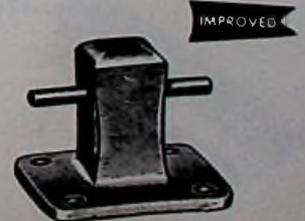


Fig. 608



Fig. 750

**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
\$15.25	5 1/4 x 4	3 3/4 x 2 1/2	1 3/8	2



**ROPE DECK PIPE—Figs. 742 and 757**

With Hinged Cover—Chromium Plated—  
Zamak Die Casting or Cast Bronze



Fig. 742 Bronze  
Fig. 757 Zamak

Fig. 742 Bronze Each	Fig. 757 Zamak Each	For Diam. Rope Inches	Inside Diameter Inches	Diameter Flange Inches	Bronze Weight Pounds	Zamak Weight Pounds
\$8.25	\$3.10	1	1 3/4	3 3/8	3/4	1/2



**ROPE DECK PIPES — Fig. 741**

Cast Bronze



Fig. 741

No.	Chromium Plated Each	For Diam. Rope Inches	Inside Diam. Inches	Diam. Flange Inches	Weight Pounds
0	\$ 7.75	3/4	1 1/4	3	3/4
1	12.50	3/4 & 1	1 3/4	4 1/4	1 3/4

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

Spare caps with Chain, half of above prices.



**FENDER HOOKS — Fig. 1246**

Zamak Die Casting — Chromium Plated



Fig. 1246

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	3/4	1 3/4 x 1 1/4	6	25	1 1/4



**FENDER LOCK — Fig. 1299**

Zamak Die Casting — Chromium Plated



Fig. 1299

Attach and detach fenders instantly, eye is permanently fastened to fender line, it quickly engages the deck flange and stays there until its job is done.

Each	Diameter Flange Inches	I. D. Eye Inches	Weight Ounces
\$1.00	1 1/2	3/4	1

**LADDER HOOKS – Fig. 717**  
For Folding Boarding Ladders – Cast Bronze

A Inches	B Inches	C Inches	D Inches	Length Curved Arm Inches	Size Plate Inches	Weight Per Set Pounds
6 1/8	4	2 1/2	3/8	7	2 1/2 x 3 1/4	2 1/2
Complete		Chromium Plated Per Set		Plates Only		Chromium Plated Per Pair
Polished Bronze Per Set		\$23.50		Polished Bronze Per Pair		\$7.75
\$21.00				\$6.50		

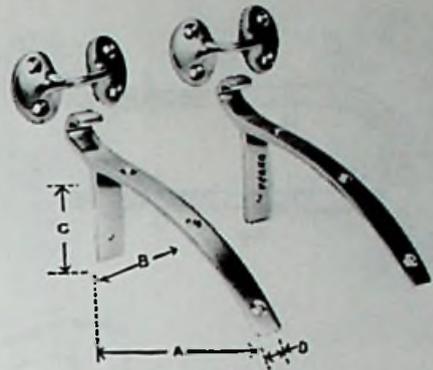


Fig. 717

**LADDER LOCKS – Fig. 669**  
For Companionway or Upper Berth – Cast Bronze

Height Inches	Length Socket Inches	Length Bracket Inches	Weight Per Set Ounces
1 1/4	1	1 1/4	12
Complete		Spare Sockets Only	
Plain Bronze Per Set		Chromium Plated Per Pair	
\$3.55		\$7.50	
		\$2.10	
		\$3.40	

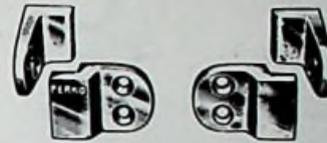


Fig. 669

A set consists of four pieces illustrated.

**FOLDING STEP – Fig. 344**  
Cast 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
\$5.00	\$10.50	4x2	4 1/4 x 1 1/4	7/8	1 1/8

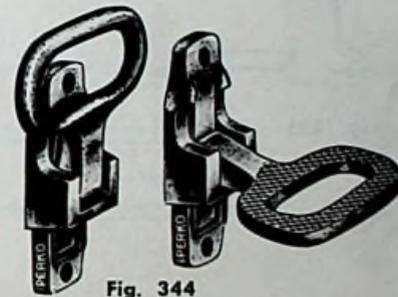


Fig. 344

FOLDED

OPEN

**BOARDING STEP – Fig. 351**  
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.

Plain Bronze Each	Chromium Plated Each	Dimensions Of Step Inches	Dimensions Mounting Bracket Inches	Weight Pounds
6.30	\$ 8.40	6 x 4 1/4	6 x 2	1 5/8



Fig. 351

**BOARDING STEP – Fig. 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.

Plain Bronze Each	Chromium Plated Each	Dimensions Of Step Inches	Dimensions Mounting Bracket Inches	Weight Pounds
\$10.30	\$13.45	11 x 4 1/2	11 x 2	2 7/8



Fig. 501

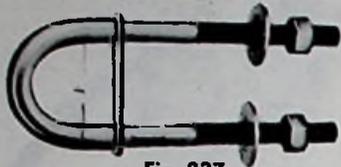


Fig. 237

**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	\$2.50	3	5/16	2 1/16	1	4
2	3.20	6	5/16	3 3/8	1	5 1/2
3	3.50	3	3/8	2 1/8	1	5

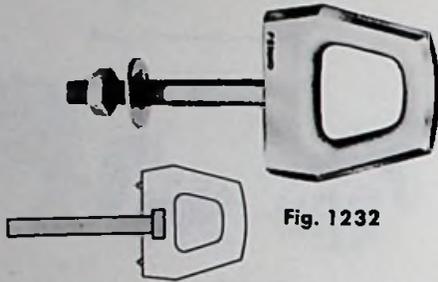


Fig. 1232

**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	\$1.75	3	2 1/2	3/8	1	10
2	1.90	6	3 1/2	3/8	1	11 1/2
3	1.80	3	2 1/2	1/2	1	10 1/2

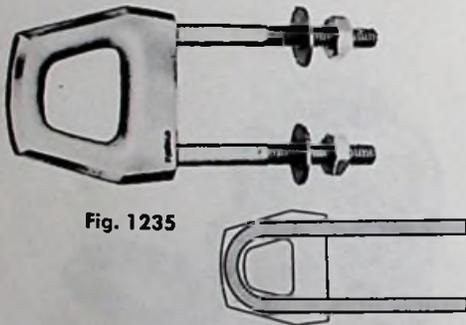


Fig. 1235

**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	\$1.90	3	2 3/4	5/16	1	11

Note illustration of "U" bolt which provides greater strength

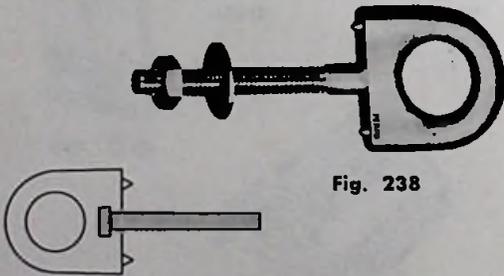


Fig. 238

**BOW EYES — Fig. 238**  
Cast Bronze — Steel Shank

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	\$3.25	\$4.15	1 5/16	3	3/8	2 1/2	11
2	3.60	4.50	1 5/16	6	3/8	3 1/2	13



Fig. 239

**BOW EYES — Fig. 239**  
Drop Forged Bronze — Extra Strong Shank

No.	Dull Bronze Each	Chromium Plated Each	I.D. Eye Inches	Lgth. Shank Inches	Diam. Shank Inches	Weight Ounces
1	\$2.65	\$3.10	1	3 3/8	3/4	5 1/2
2	3.60	4.10	1	6	3/4	7

**NEW HEAVY DUTY LIFTING EYES — Figs. 409 & 410**  
**18-8 Stainless Steel — Type No. 304**  
**Polished — For 5/8" Rod**

A good strong eye made to do the job and designed to conform in styling with other fittings on the modern boat.

Fig.	Each	I.D. Eye Inches	O.D. Eye Inches	Weight Ounces
409	\$16.00	1 1/2	2 1/4	17 1/2
410	17.00	1 1/2	2 1/4	17



Fig. 409  
INTEGRAL FLANGE

Fig. 410  
LOOSE FLANGE

**KEEL PLATES — Figs. 446 & 447**  
**For Lifting Eyes — For 5/8" Rod**  
**Cast Manganese Bronze**

Fig.	Each	Size Base Inches	For Bolt Inches	Weight Ounces
446	\$2.75	3 x 1 3/8	1/4	7
447	3.15	3 1/2 x 1 3/8	1/4	9

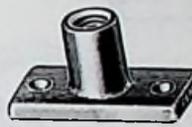


Fig. 446

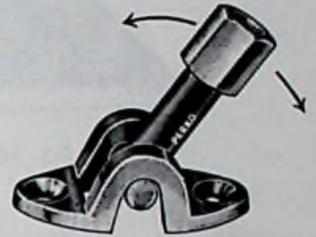


Fig. 447

**TOWING OR LIFTING EYES — Figs. 416 & 418**

Cast Manganese Bronze

Fig.	Plain Bronze, ea.	Chromium Plated ea.	Overall Length Inches	Overall Width Inches	Dimensions Inside Eye Inches	Diameter Eye Stack Inches	Weight Ounces
416	\$2.70	\$5.00	3 3/8	1 7/8	1 1/2 x 1 1/4	7/16	7
418	4.60	7.20	3 3/8	1	1 1/2 x 1 1/4	7/16	9 1/2



Fig. 416

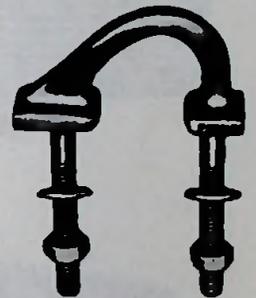


Fig. 418

Fig. 418 has two 3" x 3/8" threaded studs, nuts and washers for through bolting.

**RINGS WITH STRAPS — Fig. 1020**

Cast Bronze

Plain Bronze Each	Chromium Plated Each	Size Strap Inches	For Screw No.	Weight Ounces
\$1.45	\$3.15	4 1/2 x 3/4	8	4 1/2



Fig. 1020

**RING ON PLATE — Fig. 182**

Cast Bronze — Streamline Pattern

No.	Chromium Plated Each	Length Base Inches	Width Base Inches	Size of Ring Inches	Weight Ounces
1	\$3.00	2 3/4	1 1/2	3/4 x 1 1/4	2 3/4
2	3.40	3 1/4	1 7/8	1/2 x 1 1/2	3 1/2



Fig. 182

**RING ON PLATE — Fig. 607**

Galvanized Drop Forged Steel

No.	Each	Size Ring Inches	Size Plate Inches	For Screw No.	Weight Per 100 Pounds
1	\$1.50	3/16 x 1 1/2	2 1/8 x 2 1/4 x 1/4	12	33
2	1.85	3/8 x 2	2 1/4 x 2 1/4 x 1/4	12	50



Fig. 607



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
0	\$1.40	\$ .75	8 <sup>3</sup> / <sub>8</sub> x 2 <sup>1</sup> / <sub>4</sub>	6	5
1	1.75	1.00	8 <sup>3</sup> / <sub>4</sub> x 3 <sup>1</sup> / <sub>4</sub>	6	8
2	3.55	2.10	11 <sup>1</sup> / <sub>2</sub> x 5 <sup>3</sup> / <sub>4</sub>	8	12

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



Fig. 1043

**STEP PLATES — Fig. 1043**

Cast Bronze Frame — Chromium Plated —  
With White Moulded Rubber Step Pads

No.	Complete Each	Frames Only Each	Overall Dimensions Inches	For Screw No.	Weight Pounds
0	\$3.55	\$2.95	8 x 2 <sup>1</sup> / <sub>4</sub>	4	1/2
1	6.80	6.00	8 <sup>3</sup> / <sub>4</sub> x 3 <sup>3</sup> / <sub>4</sub>	6	3/4
2	10.65	9.15	11 <sup>1</sup> / <sub>2</sub> x 5 <sup>3</sup> / <sub>4</sub>	8	1 <sup>3</sup> / <sub>4</sub>

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

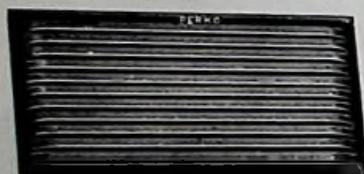


Fig. 1050

**RUBBER PADS ONLY — Fig. 1050**

White

No.	Each	Length Inches	Width Inches	Thickness Inches	Weight Ounces
0	\$ .60	7 <sup>1</sup> / <sub>4</sub>	1 <sup>1</sup> / <sub>2</sub>	1/4	2
1	.80	8	2 <sup>1</sup> / <sub>2</sub>	3/8	3 <sup>1</sup> / <sub>4</sub>
2	1.50	11	5	3/8	8 <sup>1</sup> / <sub>4</sub>

Packed 10 pieces per box.



Fig. 1284

**MODERN DESIGN STEP PLATES — Fig. 1284**

Zamak Die Castings — Chromium Plated —  
White Rubber Pads

Certainly the most attractive step plate made for out-board and inboard boats.

Complete Each	Pads Each	Overall Dimensions Inches	Weight Complete Ounces
\$1.50	\$ .50	8 x 2 <sup>1</sup> / <sub>4</sub>	5



Fig. 1273

**STEP PLATES — Fig. 1273**

Zamak Die Castings — Chromium Plated —  
White Rubber Pads

Supplied in pairs, one plate for each side of boat.

No.	Complete Per Pair	Overall Dimensions Inches	For Screw No.	Weight Per Pair Ounces
1	\$3.65	8 <sup>1</sup> / <sub>2</sub> x 3 <sup>1</sup> / <sub>4</sub>	6	18



Fig. 1044

**UTILITY RUBBER STEP PLATES — Fig. 1044**

Heavy Corrugated — White With Brass,  
Chromium Plated Frame

No.	Each	Overall Dimensions Inches	Weight Pounds
4	\$ 8.50	10 x 4	3/4
5	9.50	13 x 5	1
6	11.75	17 x 6	1 <sup>1</sup> / <sub>2</sub>
7	13.00	18 x 7	2

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

Cast Bronze -- Chromium Plated

Each	Length Base Inches	Height Above Deck Inches	For Screw No.	Packed Per Box	Wt. Oz.
\$9.25	7 1/2	1 3/4	8	6	15



Fig. 853

**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
\$3.50	12	1 3/4	8	13	5



Fig. 1244

**BOW HANDLE -- Figs. 1221 & 1234**

Zamak Die Casting -- Chromium Plated

Chromium Plated Each	Length Overall Inches	Height Above Deck Inches	For Screw No.	Weight Ounces	Packed Per Box
\$1.65	6 1/2	2	8	5 1/2	10

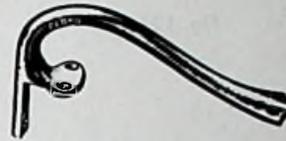


Fig. 1221



Fig. 1234

**TRANSOM HANDLE -- Fig. 854**

Cast Bronze -- Chromium Plated

Each	Length Base Inches	Height Above Deck Inches	For Screw No.	Packed Per Box	Wt. Oz.
\$4.00	5 3/4	1 3/8	8	6	8



Fig. 854

**TRANSOM HANDLE -- Fig. 1229**

Zamak Die Casting -- Chromium Plated

Chromium Plated Each	Length Overall Inches	Length Inside Inches	For Screw No.	Weight Ounces	Weight Packed Per Box
\$ .90	5 1/4	3 1/2	6	2 1/4	10



Fig. 1229

**ROUND GRIP TRANSOM HANDLE -- Fig. 1231**

Zamak Die Casting -- Chromium Plated

Extra strong for heavy boats. The round grip has no sharp edges and is ample to accommodate a man size hand.

Each	Length Overall Inches	Length Inside Inches	Height Inside Inches	For Screw No.	Weight Ounces	Packed Per Box
\$1.20	6	3 1/2	1 5/16	10	7 1/4	10

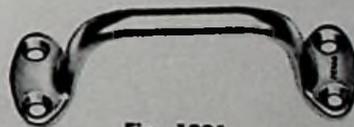


Fig. 1231

**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	\$1.85	\$2.10	4 1/4	2 5/8	6	2
775	2	2.70	2.95	5 3/4	3 3/4	8	4
1222			1.10	5 3/4	3 3/4	8	3 1/2



Bronze Fig. 775  
Zamak Fig. 1222



Fig. 1262

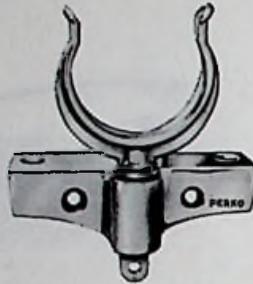


Fig. 1263



Fig. 1285



Fig. 1227

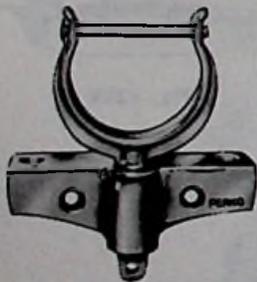


Fig. 1228



Fig. 1286

**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	\$2.20	\$1.00	\$1.20
Chromium Plated	3.65	1.95	1.70



**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	\$2.50	\$1.00	\$1.50
Chromium Plated	4.50	1.95	2.55



**RIBBED SIDE PLATE ROWLOCKS—Fig. 1285**  
 Zamak Die Castings—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	\$2.25	\$1.00	\$1.25
Chromium Plated	4.10	1.95	2.55



**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	\$2.40	\$1.20	\$1.20
Chromium Plated	3.85	2.15	1.70



**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	\$2.70	\$1.20	\$1.50
Chromium Plated	4.70	2.15	2.55



**NORTH RIVER ROWLOCKS—Fig. 1286**  
 Zamak Die Castings—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	\$2.45	\$1.20	\$1.25
Chromium Plated	4.30	2.15	2.15

**Note—All Perko Zamak rowlocks are interchangeable.**  
 Shank is 1/2 inch diameter, 1 3/4 inches long.

**ROUND ROWLOCK  
WITH REGULAR SOCKET — Fig. 1267**

Zamak Die Castings — Delrin Bearing in Socket  
Inside Diameter Horns, 2 Inches —  
Weight Per Pair, 14 Ounces

	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair
Natural Finish Burnished	\$3.30	\$1.10	\$1.20
Chromium Plated	3.75	2.05	1.70



Fig. 1267

**ROUND ROWLOCK  
WITH FANCY SOCKET — Fig. 1268**

Zamak Die Castings — Delrin Bearing in Socket  
Inside Diameter Horns, 2 Inches —  
Weight Per Pair, 18 Ounces

	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair
Natural Finish Burnished	\$2.60	\$1.10	\$1.50
Chromium Plated	4.60	2.05	2.55



Fig. 1268

**ROUND ROWLOCK  
WITH SIDE PLATE SOCKET — Fig. 1269**

Zamak Die Castings — Delrin Bearing in Socket  
Inside Diameter Horns, 2 Inches —  
Weight Per Pair, 16 Ounces

	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair
Natural Finish Burnished	\$2.35	\$1.10	\$1.25
Chromium Plated	4.20	2.05	2.15

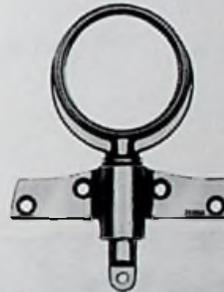


Fig. 1269

**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	\$1.65	\$1.05	\$.60	1 1/4	1 1/4
1	1.80	1.20	.60	2	1 1/4



Fig. 638

**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	\$2.10	\$1.50	\$.60	1 1/4	1 1/4
1	2.80	2.20	.60	2	1 1/4



Fig. 639

**BOSTON SIDE PLATE ROWLOCKS — Fig. 646**  
Galvanized Malleable Iron

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
0	\$ 3.45	\$1.75	\$1.70	1 1/4	1 1/4
1	3.55	1.80	1.75	2	1 1/2



Fig. 646



Fig. 643

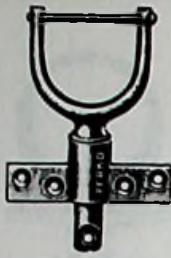


Fig. 644

**NORTH RIVER ROWLOCKS — Figs. 643 & 644**

Galvanized Malleable Iron

Fig.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
643	\$2.65	\$2.05	\$ .60	2 1/8	1 1/2
644	3.60	2.05	1.55	2 1/4	1 1/2

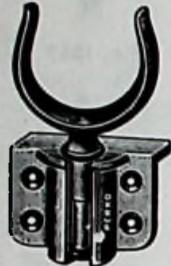


Fig. 641

**DAVIS PATTERN ROWLOCKS — Fig. 641**

Galvanized Malleable Iron

Size No.	Per Pair	Opening Inches	Weight Per Pair Pounds
0	\$4.50	1 3/4	2
1	4.65	2	2



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	\$2.30	\$1.70	\$ .60	2	1 1/4
1	2.60	2.00	.60	2 1/4	1 1/4



Fig. 648

**"SAV-OR" COMBINATION**

**OAR SLEEVE AND STOP — Fig. 648**

Black Moulded Natural Rubber

An excellent item for adding years of life to a pair of oars plus noiseless operation when fishing. Also serves as a sleeve for outrigger or fishing pole socket.

Each	Length Inches	Outside Diameter Inches	Inside Diameter Inches	Weight Ounces
\$2.50	9	1 1/4 to 2	1 1/2 to 1 3/4	6 1/2



Fig. 233

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

Russet Leather

	Per Pair
Complete, Leathers and Buttons	\$2.00
Leathers Only—7x6 1/2 inches	1.70
Buttons Only—1/2x13 inches	.35



Fig. 794



Fig. 788

**COPPER OAR AND PADDLE TIPS — Figs. 794 & 788**

Fig. 794 Oar Tips—Per Pair	\$ .72
Fig. 788 Paddle Tips—Each	.36

**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	\$1.20	1 1/4	1 7/8 x 1 3/8	10	6 1/2	6
1208	1.10	1 1/4	1 1/2 x 1 1/4	10	5	6



Fig. 1207 End Posts  
Fig. 1208 Center Posts

**GRAB RAIL POSTS — Figs. 432 & 432-A**

Cast Bronze — Chromium Plated —  
For 5/8 Inch O.D. 22 Gauge Brass Tubing

Fig.	Chromium Plated Each	Height Overall Inches	Dimensions Base Inches	For Screw No.	Weight Each Ounces	Packed Per Box
432	\$4.20	1 5/8	2 1/16 x 1 7/16	6	5	6
432-A	3.60	1 5/8	1 5/8 x 1 1/4	6	2 3/4	6



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

**GRAB RAIL POSTS — Figs. 413 & 413-A**

Cast Bronze — Chromium Plated —  
For 1 Inch O.D. 20 Gauge Brass Tubing

Fig.	Chromium Plated Each	Height Overall Inches	Dimensions Base Inches	For Screw No.	Weight Each Ounces	Packed Per Box
413	\$6.00	2 1/4	3 x 2	8	10	6
413-A	5.00	2 1/4	2 3/4 x 1 1/2	8	7 1/4	6

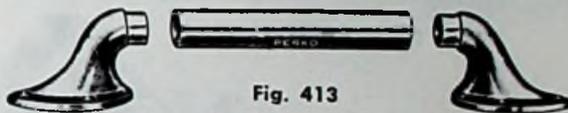


Fig. 413



Fig. 413-A Center Posts

**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	\$10.50	\$.18
2	3/4	6	20	12.50	.20
3	1	6	20	15.00	.24

\*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.



Fig. 498

**GRAB RAILS — Fig. 936**

18-8 Stainless Steel 3/4" 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	\$12.90	12	1 1/4	1
2	14.00	18	1 1/4	1 3/8
3	15.35	24	1 1/4	1 3/4
4	17.75	36	1 1/4	2 1/2



Fig. 936

**GRAB RAILS — Fig. 379**

Cast Bronze Posts — Brass Tubing

No.	Chromium Plated Each	Length Between Posts Inches	Diameter Tubing Inches	Diameter Base Inches
1	\$15.50	12	1	2 1/2
2	16.80	18	1	2 1/2



Fig. 379

Longer Lengths, Add \$3.00 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.

**GRAB RAIL POSTS — Fig. 380**

Cast Bronze — Hollow

No.	Chromium Plated Each	Diameter Hole Inches	Height Overall Inches	Diameter Base Inches	Weight Pounds
1	\$6.00	1	3 3/8	2 1/2	3/8



Fig. 380

Specify whether for center or end. Drilled for No. 10 screw.

**"PERKO" RAIL FITTINGS**  
**Cast Bronze — Polished Chromium Plated**  
**With Stainless Steel Allen Set Screws — Drilled and Countersunk 1/4"x20**



Fig. 992



Fig. 973

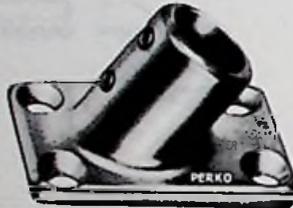


Fig. 981

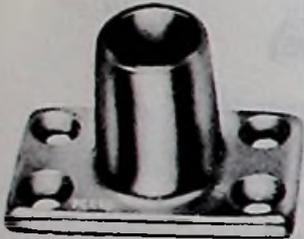


Fig. 977



Fig. 990



Fig. 989



Fig. 993

**ROUND ANGLE BASE — Fig. 992**

Each	For Tubing Inches	Diameter Base Inches	Height Inches	Weight Ounces
\$6.60	7/8	2 5/8	1 3/4	8

Included angle — 60°.

**ROUND STRAIGHT BASE — Fig. 973**

Each	For Tubing Inches	Diameter Base Inches	Height Inches	Weight Ounces
\$6.35	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
\$6.95	7/8	2 7/8 x 1 3/4	1 3/4	8

Included angle — 60°.

**RECTANGULAR STRAIGHT BASE — Fig. 977**

Each	For Tubing Inches	Dimensions Base Inches	Height Inches	Weight Ounces
\$6.50	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
\$5.75	7/8	2	2 3/16	6

Included angle — 60°.  
 Please specify hand.

**STRAIGHT TEE — Fig. 989**

Each	For Tubing Inches	Length Inches	Height Inches	Weight Ounces
\$5.75	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
\$9.50	7/8	4 1/4	110	12 1/2

**STAINLESS STEEL TUBING — Fig. 916**

For Bow, Hand and Grab Rails

18-8 Non Magnetic — Polished — 7/8" O.D. — .049 Wall

Length Feet	Each	Weight Pounds
4	\$ 9.65	1 1/2
8	19.25	3
12	28.50	4 1/2



Fig. 916

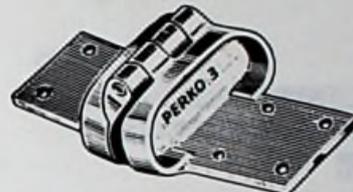
**WOOD RAIL HINGES AND LATCHES — Figs. 180 & 185**

Cast Bronze — Stainless Steel Pins

Features improved type of spring latch on bottom

**Fig. 180**

No.	Chromium Plated Each	Size Rail Inches	Length Overall Inches	Weight Pounds
1	\$11.75	2 3/8 x 1 3/8	5	3/4
2	12.50	2 7/8 x 1 1/4	5 1/2	1



Hinge  
Fig. 180

**Fig. 185**

No.	Chromium Plated Each	Size Rail Inches	Length Overall Inches	Weight Pounds
1	\$11.00	2 3/8 x 1 3/8	5	1 1/8
2	12.00	2 7/8 x 1 1/4	5 1/2	1 1/4



Latch  
Fig. 185

**HAND RAIL SOCKETS — Fig. 215**

Cast Bronze

No.	Chromium Plated Each	For Diam. Rail Inches	Height Overall Inches	Size of Base Inches	Weight Ounces
1	\$4.80	1	1 1/4	3 1/2 x 3 1/4	5
2	6.00	1 1/4	2	3 3/4 x 3 1/4	9

Please specify whether center or end and size.  
Drilled for No. 10 screw.



Center

End

Fig. 215

**FLUSH TYPE FLAG POLE SOCKETS — Figs. 218 & 219**

Cast Bronze — Drilled for No. 8 Screw

Inside Diam. Inches	Fig. 218 Each	Fig. 219 Each	Diam. Flange Inches	Depth Socket Inches	Weight Ounces
3/4	\$2.65	\$2.90	2	1 1/2	4 1/2
1	3.40	3.95	2 3/8	1 3/4	5
1 1/4	4.00	4.60	2 5/8	2	9
1 1/2		6.10	3 1/8	2 3/8	15



Bow  
Fig. 218



Stern  
Fig. 219

**UPRIGHT TYPE FLAG POLE SOCKETS — Figs. 220 & 221**

Cast Bronze — Drilled for No. 8 Screw

Inside Diam. Inches	Fig. 220 Each	Fig. 221 Each	Diam. Base Inches	Height Inches	Weight Ounces
3/4	\$3.95	\$4.10	2 1/8	1 3/4	5 1/4
1	5.00	5.10	2 1/2	2	6 3/4
1 1/4	5.80	5.95	2 3/4	2 1/8	10 3/4



Bow  
Fig. 220



Stern  
Fig. 221

**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
\$1.20	3/4	3 x 2 1/4	2	4 1/2



Fig. 343 Stern



Side Mounting Fig. 1290

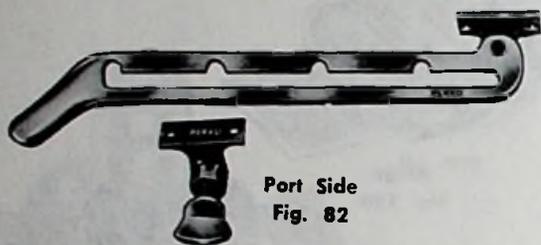


Offset Mounting Fig. 1291

**WINDSHIELD ADJUSTERS — Figs. 1290 & 1291**  
Zamak Die Castings — Chromium Plated

Per Pair	Length Overall Inches	Length Adjustment Inches	Diam. Knob Inches	Weight Per Pair Pounds
\$8.50	12	9½	1¼	1½

NOTE — When ordering ½ pair, specify whether for port or starboard side. Illustration is port side.



Port Side Fig. 82

**WINDSHIELD ADJUSTERS — Fig. 82**  
Cast Bronze

No.	Polished Bronze Per Pair	Chromium Plated Per Pair	Length Overall Inches	Length Adjustment Inches	Weight Per Pair Pounds
2	\$23.00	\$25.50	9	7	1¾
3	28.00	30.50	12	9½	2¾

Thumb Screws Only — Polished Bronze \$1.95 each  
Chromium Plated \$2.20 each

NOTE—When ordering ½ pair, specify whether for port or starboard side.



Fig. 360

**“SKIPPER” WINDSHIELD ADJUSTER — Fig. 360**  
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
\$22.75	27½	23	22½	3¾

Special sizes to order, price on application.



Fig. 1116

**WINDSHIELD ADJUSTERS — Fig. 1116**  
All Brass

No.	Polished Brass Each	Chromium Plated Each	Length Inches	Diam. Rod Inches	Weight Ounces
1	\$9.00	\$10.20	8	¾	11
2	9.15	10.35	10	¾	12
3	9.30	10.50	12	¾	13

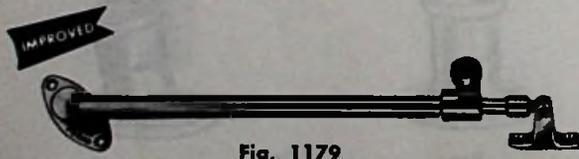


Fig. 1179

**IMPROVED WINDSHIELD ADJUSTERS — Fig. 1179**  
Brass — Heavy Pattern

Illustration shows swivel base on left side and swinging base on right.

No.	Chromium Plated Each	Length Closed Inches	Length Open Inches	Diam. Outside Tube Inches	Weight Ounces
1	\$10.75	10	18	½	9
2	12.00	12	20	½	11



Fig. 1180

**IMPROVED WINDSHIELD ADJUSTERS — Fig. 1180**  
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
\$12.00	12	21	½	10

**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
\$6.25	1 1/16 x 1	1 7/8 x 7/8	1 1/4	6

**WINDSHIELD KEEPER OR HATCH FASTENER — Fig. 697**  
Chromium Plated

Locks the windshield or hatch preventing rattles and assisting in keeping same watertight.

Chromium Plated Per Set	Base of Keeper Inches	Base of Plate Inches	Weight Ounces
\$3.35	1 1/2 x 3/8	1 1/2 x 3/4	3

A set consists of parts illustrated.



Fig. 967



Fig. 697



**HATCH FASTENERS OR WINDSHIELD KEEPER — Fig. 155**  
Brass — Chromium Plated

This fastener has strong spring action providing quick grip or release and more than adequate holding power.

Each	Length Overall Inches	Size of Mounting Inches	Weight Ounces
\$6.90	3 7/8	1 1/2 x 3/16	3 1/4

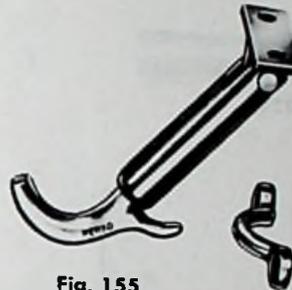


Fig. 155

**HATCH FASTENER OR WINDSHIELD KEEPER — Fig. 769**  
Chromium Plated

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.

Each	Dimensions For Each Base Inches	Weight Ounces
\$5.45	1 1/2 x 3/8	4 1/2

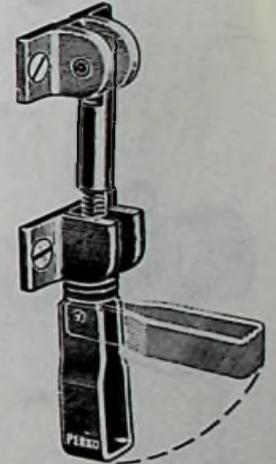


Fig. 769

**WINDSHIELD MOUNTING BRACKETS — Fig. 1247**  
Zamak Die Casting — Chromium Plated

These are used to fasten the bottom of plexiglass windshields to the deck.

Each	Length Overall Inches	Size Thread No.	Depth Thread Inches	Weight Ounces
\$ .55	2 5/8	10-32	3/8	1



Fig. 1247

**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

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
\$9.25	\$9.85	15 to 18	3/8	2 3/4	8

For thickness of wood up to 1 1/8 inches.

Spare Arm .....	\$2.20 each
Spare Straight Blade .....	.95 each
Spare Curved Blade .....	2.00 each

To prevent scratching Plexiglas, do not operate wiper on dry windshield.



No. 1 with Straight Blade



No. 2 with Curved Blade

Fig. 533

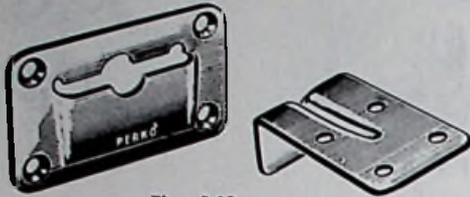


Fig. 148

**TABLE BRACKETS — Fig. 148**

**18-8 Stainless Steel — Satin Finish**

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	Dimensions Angle Bracket Inches	Dimensions Wall Plate Inches	Weight Bracket Ounces	Weight Wall Plate Ounces
\$5.00	\$2.50	\$2.50	2 3/4 x 1 1/8	3 3/8 x 2	3	3

A set consists of 2 brackets and 2 plates.



Fig. 224

**BOAT HOOKS — Fig. 224**

**Ball Points — Galvanized Malleable Iron**

Size No.	Each	For Diam. Pole Inches	Extreme Length Inches	Weight Ounces
4	\$2.40	1 1/4	8 1/4	12
5	3.10	1 1/2	9 3/8	18

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

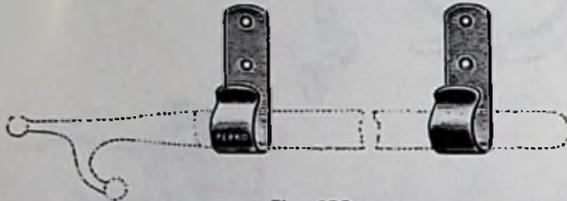


Fig. 492

**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
\$1.20	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.

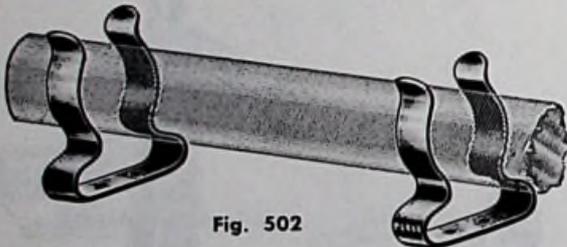


Fig. 502

No.	Per Pair	Adjustability Inches	Length From Wall Inches	Width of Metal Inches	For Screw No.	Weight Per Pair Ounces
1	\$.90	5/8 to 1 1/4	1 1/2	1/2	6	2
2	1.05	1 to 1 3/4	2 1/4	5/8	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
\$1.05	up to 1 1/4	2 3/8	1



**TRANSOM PLATES — Fig. 814 AND 1224**



Fig. 814  
BRONZE



Fig. 1224  
ZAMAK

**Fig. 814**

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	1 3/4	6	7

**Fig. 1224**

No.	Chromium Plated Per Pair	Length Overall Inches	Inside Diameter Inches	Weight Per Pair Ounces	Packed Pairs Per Box
1	\$1.20	3 1/2	1 7/8	2 3/4	25
2	1.75	3 1/2	2 1/16	3	25

**ALUMINUM OUTRIGGERS — Fig. 462**

**Anodized — Lightweight — Strong — Sectional**

Consisting of various telescoping 3 foot sections. All joints are snug fitting and fastened with stainless steel screws assuring strength and rigidity. Supplied with guide rings.

No.	Per Pair	Assembled Length	Diameter Base Inches	Number of Sections	Weight Per Pair Pounds
0	\$ 52.00	16' 4"	1 1/8	6	4
1	97.00	21' 8"	1 7/8	8	11
2	112.00	26'	1 7/8	10	13

Above prices do not include spreaders or spreader fittings. Size No. 0 fits Figs. 444 and 451. Size No. 1 fits Fig. 445 No. 1. Size No. 2 fits Fig. 445 No. 2



**ALUMINUM SPREADERS — Fig. 463**

**Anodized**

With 100 feet of stainless steel cable and fittings necessary for installation. For use with sizes No. 1 and 2 outriggers.

Per set for 1 pair of outriggers — \$71.50



**FIBER GLASS OUTRIGGERS — Fig. 460**

**Telescopic — Hollow — Tapered — Reinforced Joints — Less Whip Than Previous Type**

This sturdy model is impervious to heat, cold, moisture and sun. The 3 sections close to 60 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	\$40.00	1 1/8	15	1 1/4

Note: Replacement section available, \$7.00 per section. Specify section required. Refer to top section as No. 1, etc.



**OUTRIGGER POLE HOLDERS — Figs. 444 and 451**

**Bronze Chromium Plated**

Lift holder and turn for 3 different positions, vertical, fishing and lowered for bridges.

Fig.	Complete Per Pair	Spare Plates Each	Spare Holders Each	Inside Diameter Tube Inches	Dimensions Plate Inches	Weight Per Pair Pounds
444	\$48.50	\$14.50	\$10.00	1 1/8	5x2 1/2	5 3/4
451	44.00	12.00	10.00	1 1/8	5x2 1/2	5 1/2

A pair consists of 2 plates and 2 holders. Spare "Holders Only" Specify Port or Starboard



**GIMBAL FISHING ROD SOCKETS — Fig. 481**

**Aluminum — Bright Etch Finish — Stainless Steel Pins**

For attaching to chairs, seats, benches, etc.

Each	Inside Diameter Inches	Length Brackets Inches	Depth Socket Inches	Weight Ounces
\$7.25	1 1/8	2 1/2	2 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. 460

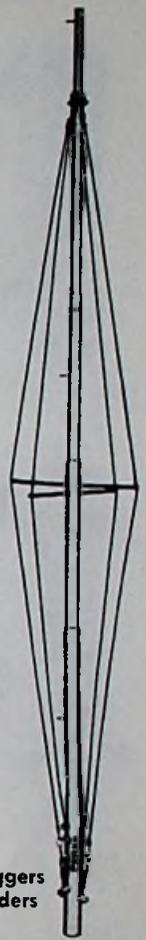


Fig. 462 Outriggers  
Fig. 463 Spreaders



Fig. 444  
For Side Mounting

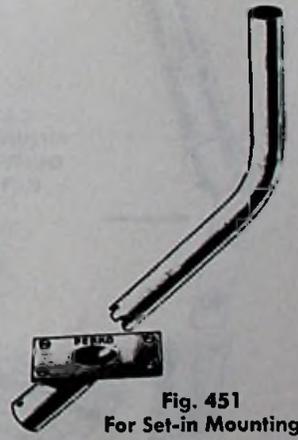


Fig. 451  
For Set-in Mounting



Fig. 481

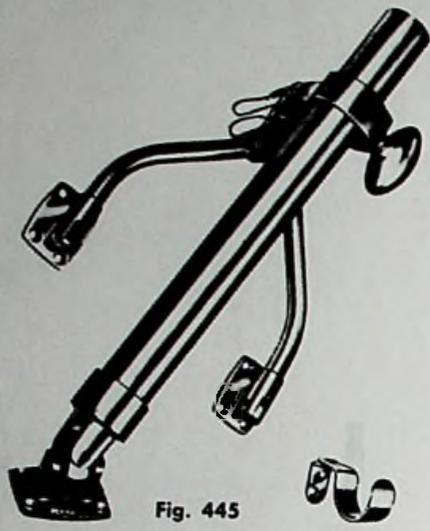


Fig. 445

**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	\$185.00	2	18 1/2	18 1/2
2	200.00	2	33 1/2	22

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

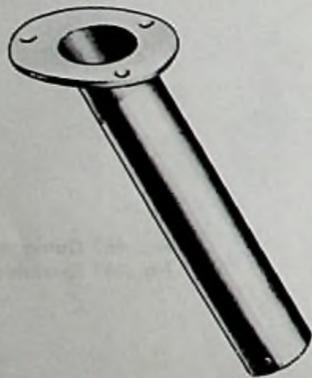


Fig. 448

**FISHING POLE HOLDER — Fig. 448**

**Cast Bronze — Chromium Plated**

For mounting in covering board or catwalk. Has poly-vinyl liner. Nos. 1 & 3 have heavy brass tubing braised into flange. No. 2 is all one piece cast bronze.

No.	Chromium Plated, ea.	Inside Diameter Inches	Length Overall Inches	Flange Dimensions Inches	Weight Pounds
1	\$12.50	1-7/8	9	4 x 3 1/8	1 1/2
2	14.40	1-7/8	9	4 x 3 1/8	2 1/2
3	16.00	2-3/32	11	5 1/8 x 4	2 1/4

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

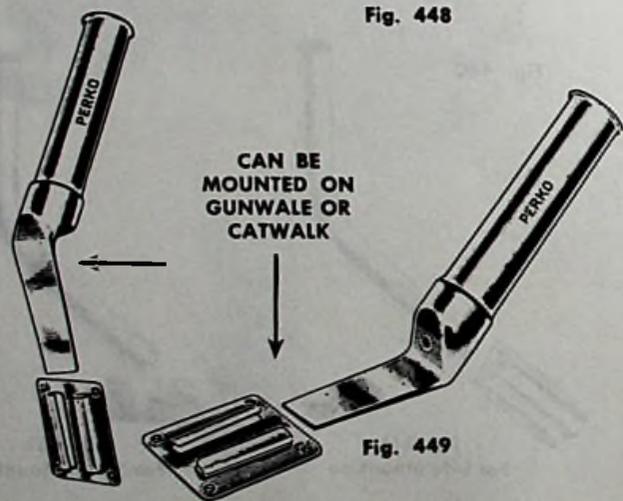


Fig. 449

**COMBINATION FISHING POLE  
AND OUTRIGGER HOLDERS — Fig. 449**

**All Brass — Chromium Plated — With Vinyl Liner**

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
\$19.00	\$4.20	1 7/8	4x3 3/4	2



Fig. 475

**ADJUSTABLE POLE HOLDERS — Fig. 475**

**Heavy Brass Tubing — Manganese Bronze Castings —  
With Vinyl Liner**

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
\$20.00	\$33.50	1 7/8	9 1/2	3 5/8 x 2 1/4	3 3/4

**FISHING POLE HOLDERS — Fig. 1100**

Brass — Chromium Plated  
With Vinyl Liner and Stainless Steel Brackets

Complete Each	Brackets Only Per Pair	Inside Diam. Inches	Length Overall Inches	Width Brackets Inches	Wt. Oz.
\$6.25	\$2.20	1 3/8	9	3	16



**VINYL FISHING POLE HOLDER — Fig. 1104**

With Stainless Steel Brackets

Each	Length Overall Inches	Inside Diameter Inches	Outside Diameter Inches	Width Bracket Inches	Weight Ounces
\$3.65	9	1 3/4	2	3 1/4	12

Spare brackets, \$2.20 per pair.



**HEAVY DUTY FISHING POLE HOLDER — Fig. 1107**

Brass Tube — Cast Bronze Brackets — Chromium Plated

Complete Each	Length Overall Inches	Inside Diameter Inches	Width Mounting Bracket	Weight Pounds
\$15.75	12	2 1/8	4 1/16	2 1/2

Supplied complete with polyvinyl liner.



**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	\$8.35	12	5
592	9.40	15	6



**RUBBER LINERS**

FOR FISHING POLE HOLDERS — Fig. 648

Each	Length Inches	Outside Diameter Inches	Inside Diameter Inches	Weight Ounces
\$2.50	9	1 3/4 to 2	1 1/2 to 1 3/4	6 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		\$ .50	1-11/16	1-7/8	4	2
487	1	.60	1-11/16	1-7/8	4	2
487	2	.60	1-11/16	1-7/8	4	2
487	3	1.55	1-29/32	2-3/32	10 1/2	5 3/4

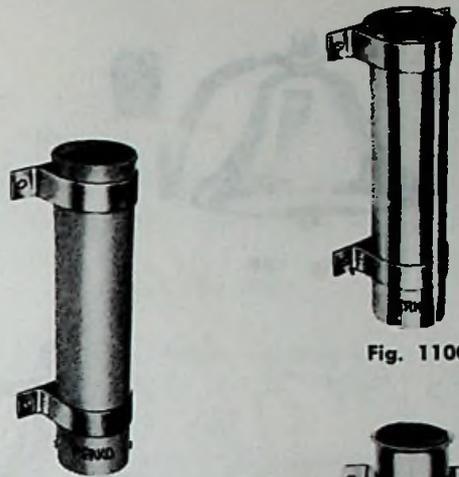


Fig. 1100

Fig. 1104

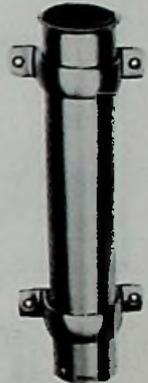


Fig. 1107

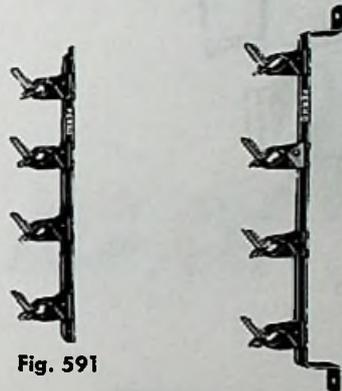


Fig. 591

Fig. 592

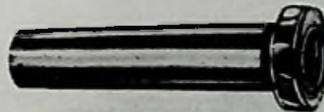


Fig. 648



Fig. 486

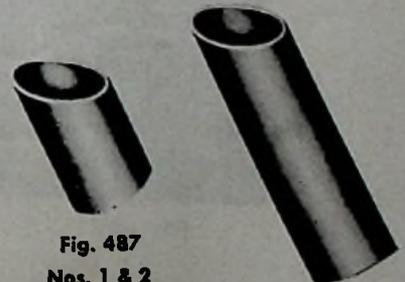


Fig. 487  
Nos. 1 & 2

Fig. 487  
No. 3



Fig. 159

**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	\$ 8.40	\$10.00	\$11.75	4	1
8	14.00	15.75	17.75	5	2½
Wall Plate Only	1.20	1.35	1.75		
Arm Only	1.80	2.40	2.85		
Clapper Only	1.65		2.30		
Eye Bolt Only	1.65		2.00		



Fig. 420

**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	\$24.00	\$27.50	5	4
8	44.50	48.00	6½	8
Wall Plate Only				
6	\$3.60	\$4.20	2½	½
8	3.60	4.20	2½	½



Fig. 150

**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	\$ 48.00	\$ 52.00	8	10
10	90.00	96.00	10½	22
12	144.00	151.00	12	38
Wall Plate Only				
8	\$3.60	\$4.20	2½	½
10	6.50	7.20	3¾	1
12	6.50	7.20	3¾	1

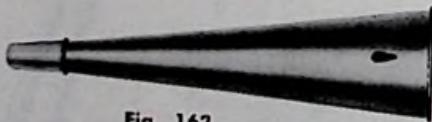


Fig. 162

**FOG HORNS — Fig. 162**  
Galvanized Steel or Brass — Nylon Mouthpiece

Length Overall Inches	Galvanized Steel Each	Polished Brass Each	Weight Per Dozen Pounds
12½	\$3.00	\$5.00	5

Packed 1 dozen per box.

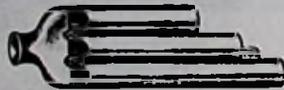


Fig. 167

**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. 349

**POLICE OR SIGNAL WHISTLE — Fig. 349**  
Brass — Nickel Plated

Per Dozen	Length Inches	Width Inches	Weight Per Doz. Ounces
\$18.84	2	¾	17

**COURSE PROTRACTOR — Fig. 706**  
**Indicates Course and Reverse Course — Transparent**

Arm has various mileage scales used on all coastal and harbor charts. Arm extended on short end to show reverse course. A precision instrument, accurate in detail. Positions, depths, etc., are clearly visible through protractor.

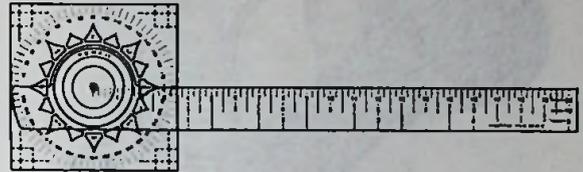


Fig. 706

Each	Extreme Length Inches	Diam. Compass Card Inches
\$4.00	21 1/2	6 3/8



**LUCITE PARALLEL RULES — Fig. 630**  
**Transparent — Chromium Plated Brass Bars — Heavy Type**

Chart data shows clearly through transparent lucite. Heavy type with finger grips, tightening device and corprene non-sliding discs.

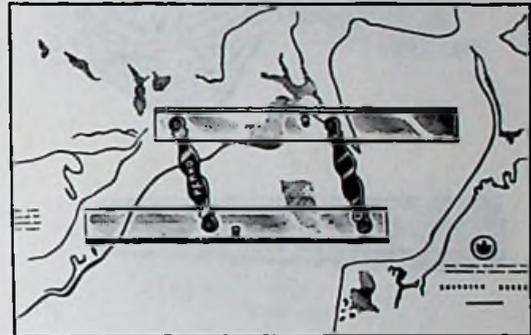


Fig. 630

Length Closed Inches	Each	Width Closed Inches	Thickness Inches	Weight Ounces
12	\$6.30	2 1/2	3/16	6 1/2
15	6.80	2 1/2	3/16	7 1/2
18	7.80	2 1/2	3/16	8 1/2



**PARALLEL RULES — Fig. 686**  
**Ebony Finish — Nickel Plated Brass Parts — Finger Grips, Tightening Device and Corprene Non-Sliding Discs**

Length Closed Inches	Each	Width Closed Inches	Weight Ounces
12	\$5.25	2 1/2	6
15	5.75	2 1/2	6 1/2
18	6.80	2 1/2	7



Fig. 686



**DIVIDERS — Fig. 693**  
**Brass — Chromium Plated — Navy Type**

No.	Each
1 Length, 5 1/2 inches	\$1.65
2 Length, 7 inches	5.40

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 \$4.75



Fig. 708

**"NEPTUNE" MARKED LEAD LINES — Fig. 190**  
**With Vinylite Plastic Markers —  $\frac{5}{16}$  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	\$ 9.25	20	\$17.80
10	11.15	25	21.60
15	14.80	30	25.50

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.

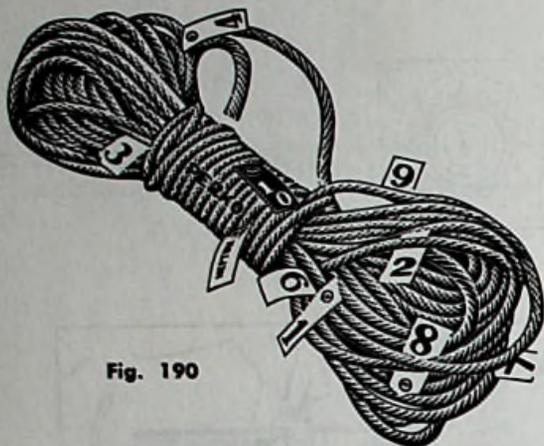


Fig. 190



Fig. 940

★  
**SOUNDING LEADS — Fig. 940**

All weights from 2 to 10 pounds inclusive carried in stock.

PER POUND — \$ .84



Fig. 795

★  
**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
\$6.50	1 $\frac{3}{4}$ x 1 $\frac{1}{4}$	3	5 $\frac{3}{4}$



Fig. 804

★  
**CAN AND GLASS HOLDERS — Fig. 804**  
**Swinging Type — All Brass — Chromium Plated**  
**Holds 12 ounce beer cans or straight sided glasses.**

Each	Size Mounting Plate Inches	Inside Diam. Ring Inches	Weight Ounces
\$6.50	1 $\frac{3}{4}$ x 1 $\frac{1}{4}$	2 $\frac{3}{4}$	5

Spare Mounting Plates, \$1.75 each.

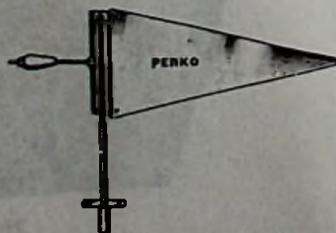


Fig. 435

★  
**WIND PENNANTS — Fig. 435**  
**Adjustable Counterbalance — Aluminum Pennant —**  
**Brass Standard — Red Anodized Finish**

Pennant swings on a needle point pivot and has an adjustable counterbalance should the weight of the pennant change from the application of paint or attachments of any kind.

Perfect balance and needle point bearing makes this pennant instantly responsive to the lightest of winds.

For Mast 1 Inch Diam. at Top,  $\frac{3}{16}$ " Hole

Each	Size of Pennant Inches	Height Overall Inches	Weight Ounces
\$4.40	6 $\frac{1}{2}$ x 3	6 $\frac{1}{2}$	2 $\frac{1}{2}$

**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
\$ .33	5/16	1 1/2 x 3/4	6	1/2	25



Fig. 1256

**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
\$ .33	5/16	1 1/2 x 3/4	6	1/2	25



Fig. 1261

**TILLER ROPE GUIDES — Fig. 1243**

Zamak Die Casting — Chromium Plated — With Nylon Sheave

Each	For Diam. Rope Inches	Size Base Inches	Weight Ounces
\$1.00	1/4	2 x 3/4	1 3/4

Drilled for No. 8 screw—packed 25 per box.



FIG. 1243

**TILLER ROPE GUIDES — Figs. 229 & 932**

Brass Spring Wire

Fig. 229		Fig. 932		Size Hole Inches	Length Inches	Weight Ounces
Brass Each	Chromium Plated Each	Brass Each	Chromium Plated Each			
\$ .07	\$ .10	\$ .08	\$ .11	3/8	1 1/8	1/2

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
1/2	1/8	\$1.44	1 1/4	3/16	\$3.84
3/4	1/8	1.92	1 1/2	7/32	4.80
1	3/16	3.12	1 3/4	1/4	5.76
			2	1/4	8.04



Fig. 417

**SHEAVES — Fig. 154**

White Nylon — Common Bushed

No.	Each	Diam. Inches	Thickness Inches	For Rope Inches	For Size Pin Inches
20	\$ .15	7/8	3/8	1/4	3/16
27	.25	1 1/4	3/8	3/8	1/4
28	.30	2 3/8	3/8	3/8	1/4



Fig. 154



Fig. 760 — Nylon Covered  
Fig. 857 — Vinyl Covered

**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.

Outside Diameter Inches	Per 100 Feet	Core Diameter Inches	Breaking Strength Pounds	Weight Per 100 ft. Pounds
3/16	\$22.00	3/32	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
3/16	\$12.00	3/32	1000	2.6

Supplied in 250 foot reels.



**TILLER ROPE CLAMP — Fig. 377**  
High Impact Plastic — Stainless Steel Screw —  
Made Expressly For 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.

Each	Dimensions Inches	Packed Per Box	Weight Ounces
\$ .25	1 1/8 x 1 x 3/16	25	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
1/8	\$ .24	\$ .36	1 1/8	3/16	3/4
3/16	.26	.38	1 1/4	1/8	1
1/4	.35		1 1/2	7/8	1 1/4

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
1/8	\$ .33	\$ .56	3/4	1 5/8	20	1 3/4
3/16	.39	.62	3/4	1 3/4	20	2
1/4	.44	.78	1	1 3/4	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
\$ 42	\$1.15	4	5	1 1/8	4 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
\$ .33	5 1/2	6 3/4	7/8	2 1/2

Packed per box 25 pieces..

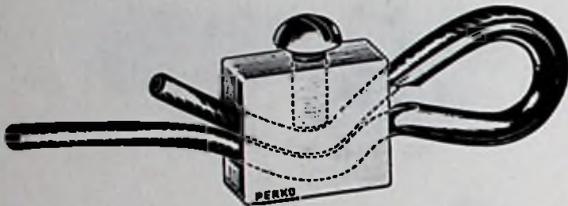


Fig. 377



Fig. 1226



Fig. 358



Fig. 732



Fig. 754

**EYE STRAPS — Fig. 562**

18-8 Stainless Steel

Each	Length Inches	Size Eye Inches	For Screw No.	Weight Ounces	Packed Per Box
\$ .09	1 5/8	1/4	8	1/8	50



Fig. 562

**EYE STRAPS — Fig. 1242 —**

Zamak Die Casting — Chromium Plated

Each	Length Inches	Size Eye Inches	Stock in Eye Inches	For Screw No.	Weight Ounces	Packed Per Box
\$ .17	1 1/8	3/8	1/4	8	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	\$ .55	\$ .95	1 1/8	1/4	1/4	8	1/2
1	.68	1.25	2 1/4	3/8	3/2	10	3/4
2	.78	1.45	2 3/4	1/2	3/8	10	1 1/2

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



Fig. 881

**DECK STRAPS — Fig. 882**

Cast Bronze

No.	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Length Inches	Size Eye Inches	Stock in Eye Inches	Wt. Ozs.
1	\$ 1.10	\$ 2.30	\$ 2.50	3 1/2	1/2	3/8	2 1/2
2	1.10	2.30	2.50	4 1/4	3/8	3/8	2 1/2

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



Fig. 882

**FLANGE EYES — Fig. 877**

Cast Bronze

No.	Plain Bronze Each	Polished Bronze Each	Polished Chromium Plated Each	Size Opening Inches	Size Base Inches	Weight Ounces
1	\$ .42	\$ 1.68	\$ 2.00	3/8	2 1/8 x 1 1/8	1
2	.78	2.20	2.55	3/4	2 1/4 x 1 3/8	2



Fig. 877

**DECK BLOCKS — Fig. 87**

Open Pattern — Galvanized Iron — Single

No.	Cast Iron Each	For Diam. Rope Inches	Size of Sheave Inches	Weight Pounds
0	\$ .61	3/8	1 3/8 x 3/8	3/8
1	.64	3/8	1 1/2 x 1/2	3/8
3	1.09	1/2	2 x 3/8	1 1/8



Fig. 87

**DECK BLOCKS — Fig. 88**

Open Pattern — Galvanized Iron — Double

No.	Cast Iron Each	For Diam. Rope Inches	Size Sheave Inches
2	\$ 1.15	3/8	1 1/2 x 1/2
4	2.35	1/2	2 x 3/8



Fig. 88



Figs. 564 & 565



Figs. 1241 & 1277



Figs. 611 & 634



Figs. 1288 & 1296



Fig. 1255



Fig. 95

**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 AND STRAP — Fig. 564, 565**

Zamak Eye — Chromium Plated

Fig.	Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Weight Ounces
564	\$ .95	3	1 3/4	1 3/8	1 1/2
565	1.10	3 3/4	2 3/8	1 3/8	2

Without strap, deduct \$.09 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	\$1.08	3 3/4	1 3/4	1 7/8	3
1277	1.32	4	2 3/8	1 7/8	3 1/2

Without strap, deduct \$.17 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	\$1.60	4 1/8	1/2	1 3/4	3 1/2
634	1.70	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	\$1.70	4 1/8	1/2	1 3/4	3 1/2
1296	1.85	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	\$1.15	1 3/4	3/8	3 1/2 x 1 3/8	10	2
2	1.35	2 3/8	3/8	4 3/8 x 1 3/8	10	2 1/2

**CHEEK BLOCKS — Fig. 95**

Galvanized Iron — Single

Size No.	Galv. Cast Iron Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
0	\$ .90	1/4	1 1/8 x 3/8	3/8
1	.97	3/8	1 3/8 x 1/2	1/2
2	1.10	3/8	1 1/2 x 1/2	3/4
3	1.57	1/2	2 x 3/8	3/4
5	4.30	3/4	3 x 3/8	2

**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	\$ .37	\$ .72	$\frac{3}{16}$	$\frac{3}{4} \times \frac{3}{16}$	$\frac{3}{32}$
3	.50	.90	$\frac{1}{4}$	1 x $\frac{3}{16}$	$\frac{3}{16}$
5	.63	1.68	$\frac{3}{16}$	$1\frac{1}{8} \times \frac{3}{16}$	$\frac{1}{4}$
7	.81	1.92	$\frac{3}{16}$	$1\frac{1}{2} \times \frac{1}{2}$	$\frac{3}{8}$
9	1.10		$\frac{3}{16}$	$1\frac{3}{4} \times \frac{3}{16}$	$\frac{1}{2}$
11	1.54	2.60	$\frac{1}{2}$	2 x $\frac{3}{16}$	$\frac{3}{8}$
13	2.53		$\frac{5}{8}$	$2\frac{1}{2} \times \frac{3}{4}$	$1\frac{1}{16}$
15	3.85		$\frac{3}{4}$	3 x $\frac{3}{8}$	$1\frac{1}{8}$



Fig. 43

**FAST EYE BLOCKS – Fig. 51**

**Galvanized Malleable Iron – Double**

Size No.	Galv. Each	For Diam. Rope Inches	Size Sheaves Inches	Weight Pounds Each
2	\$ .66	$\frac{3}{16}$	$\frac{3}{4} \times \frac{3}{16}$	$\frac{3}{16}$
4	.82	$\frac{1}{4}$	1 x $\frac{3}{16}$	$\frac{1}{4}$
6	1.15	$\frac{3}{16}$	$1\frac{1}{8} \times \frac{3}{16}$	$\frac{3}{8}$
8	1.43	$\frac{1}{4}$	$1\frac{1}{2} \times \frac{1}{2}$	$\frac{3}{8}$



Fig. 51

**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	\$ .44	\$1.85	$\frac{3}{16}$	1	$\frac{1}{2}$	$\frac{1}{2}$
1	.51	1.92	$\frac{3}{16}$	$1\frac{1}{4}$	$\frac{3}{4}$	$1\frac{1}{4}$
3	.66	2.52	$\frac{1}{4}$	$1\frac{3}{4}$	1	2
5	.88	3.05	$\frac{3}{16}$	2	$1\frac{3}{8}$	$2\frac{3}{8}$
7	1.15	3.48	$\frac{3}{8}$	$2\frac{1}{4}$	$1\frac{1}{2}$	$4\frac{1}{8}$



Fig. 100

**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	\$ .76	$\frac{3}{16}$	1	$\frac{1}{2}$	$1\frac{1}{16}$
2	.89	$\frac{3}{16}$	$1\frac{1}{4}$	$\frac{3}{4}$	$2\frac{1}{4}$
4	1.10	$\frac{1}{4}$	$1\frac{3}{4}$	1	$3\frac{3}{8}$
6	1.60	$\frac{3}{16}$	2	$1\frac{3}{8}$	$4\frac{1}{2}$
8	2.20	$\frac{3}{8}$	$2\frac{1}{4}$	$1\frac{1}{2}$	7



Fig. 101

**WIRE ROPE PULLEYS – Figs. 194 AND 279**

**Galvanized Malleable Iron**

**Fig. 194 Single**

Size No.	Galvanized Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
1	\$3.10	$\frac{3}{16}$	$2\frac{1}{2} \times \frac{3}{8}$	$\frac{1}{2}$
2	3.35	$\frac{1}{4}$	$3\frac{1}{4} \times \frac{1}{2}$	$1\frac{1}{4}$
3	5.00	$\frac{5}{16} - \frac{3}{8}$	$4\frac{1}{2} \times \frac{5}{8}$	$2\frac{1}{2}$



Fig. 194  
Side Pattern  
Single

**Fig. 279 Single**

Size No.	Galv. Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
10	\$3.10	$\frac{3}{16}$	$2\frac{1}{2} \times \frac{3}{8}$	$\frac{3}{8}$
20	3.35	$\frac{1}{4}$	$3\frac{1}{4} \times \frac{1}{2}$	$1\frac{1}{2}$
30	5.00	$\frac{5}{16} - \frac{3}{8}$	$4\frac{1}{2} \times \frac{5}{8}$	$2\frac{1}{2}$



Fig. 279  
Upright Pattern  
Single

**Fig. 280 Double – Upright Pattern Only**

Size No.	Galv. Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
110	\$4.40	$\frac{3}{16}$	$2\frac{1}{2} \times \frac{3}{8}$	$1\frac{1}{8}$
120	4.95	$\frac{1}{4}$	$3\frac{1}{4} \times \frac{1}{2}$	2
130	8.25	$\frac{5}{16} - \frac{3}{8}$	$4\frac{1}{2} \times \frac{5}{8}$	$4\frac{3}{4}$



Fig. 1249

**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 Per Pair Ounces
\$ .20	1 3/8	1/2	1/4	6	50	1/2



Fig. 578

**BOAT COVER SOCKETS — Fig. 578**  
 Zamak Die Casting — Chromium Plated

Sockets will accommodate a piece of wood lattice 3/8 inches thick and up to 1 1/4 inches wide.

Per Pair	Length Overall Inches	Size Opening Inches	Width Overall Inches	For Screw No.	Weight Per Pair Ounces
\$ .82	3 1/4	1 7/8 x 2 1/8	3/8	8	2



Hinge No. 1



Socket Nos. 2 and 3

Fig. 395

**CONVERTIBLE BOAT TOP FITTINGS — Fig. 395**  
 Die Castings — Chromium Plated

No.	Each	Item
1	\$1.10	Deck Hinge or Bracket
2	1.00	Socket for 3/8 inch pipe
3	1.00	Socket for 3/4 inch tubing
4	.60	Eye End for 3/4 inch tubing
5	1.45	Slide for 3/8 inch pipe
6	1.45	Slide for 3/4 inch tubing
		Average Weight - 2 ounces each



Eye End No. 4



Slide Nos. 5 and 6

**"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

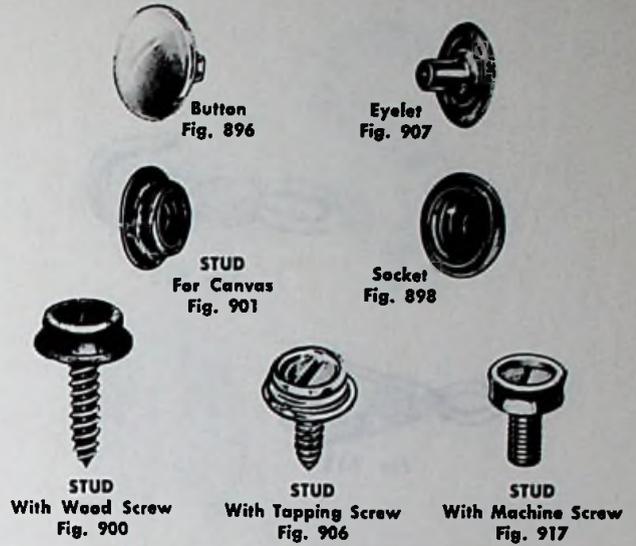
Fig.	Nickel Plated Per 100
60	\$ 7.85
61	12.25
62	2.40
90	8.70
114	9.30
115	11.00
116	11.00
117	11.00
118	3.00
156	15.50

Note—Price of Fig. 156 does not include machine screw, just the tapped stud only.

**ALL BRASS "DURABLE TYPE" FASTENERS**  
Nickel Plated

Stud Fig. 900 has brass 3/8" No. 7 wood screw.  
 Stud Fig. 906 has steel 3/8" No. 7 self-tapping screw.  
 Stud Fig. 917 has brass 8-32 machine screw 3/8" long.  
 For canvas to wood, use Figs. 896, 898 and 900.  
 For canvas to canvas, use Figs. 896, 898, 901 and 907.

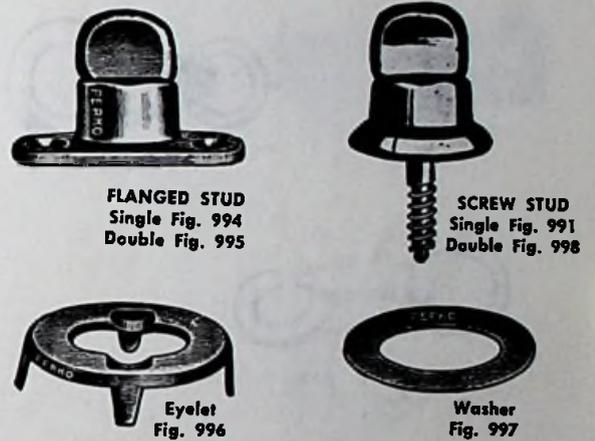
Fig.	Per 100
896	\$3.50
898	3.00
900	8.00
901	1.65
906	6.75
907	1.65
917	8.00



**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	\$36.00
994	27.00
995	30.00
996	6.00
997	4.00
998	35.00



**HAND PUNCH — Fig. 284**  
For "Curtain Fasteners" —  
Cast Iron With Steel Cutters

Each ..... \$13.75

**HAND SCREW DRIVER — Fig. 290**  
For "Lift Type" Studs —  
Steel With Wood Handle

Each ..... \$6.50

**HAND PUNCH — Fig. 285**  
For "Lift Type" Fasteners —  
Cast Iron With Steel Cutters

Each ..... \$11.00

**HAND SET TOOL — Fig. 905**  
For "Durable Type" Buttons and Eyelets — Steel

Each ..... \$4.50



Fig. 284



Fig. 290



Fig. 285



Fig. 905



Fig. 612

**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	\$ .58	\$ .78	3/8	2 1/8	6 1/4
1	.71	.96	3/8	2 1/2	12
2	.85	1.14	3/8	3	13 1/2
3	1.02	1.62	3/8	3 3/8	24
4	1.28		3/8	4 1/2	40
5	1.65		1 1/8	5	50
6	2.00		1 1/8	5 1/2	68 3/4



Fig. 613

**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	\$1.02	\$1.54	3/8	3 1/4	12 1/2
2	1.21	1.92	1/2	3 3/8	16
3	1.54	2.65	3/4	4 3/4	30
4	1.87		1 1/8	4 7/8	42
5	2.30		1 1/8	5 1/4	61



Fig. 1289

**SWIVEL EYE SNAP — Fig. 1289**  
Zamak Die Castings — Chromium Plated

Has an interlocking device on tongue and hook, adding considerable strength.

Each	Inside Diam. Eye Inches	Extreme Length Inches	Weight Per 100 Pounds
\$1.00	3/8	3	12 1/2



Fig. 659

**SWIVEL EYE SNAP — Fig. 659**  
Cast Bronze

Each	Extreme Length Inches	Inside Eye Inches	Inside Hook Inches	Weight Ounces
\$ .60	4	3/4	1/4	2 1/2



Fig. 1041



Fig. 842

**FAST EYE BABY SNAPS — Figs. 842 & 1041**  
Cast Brass

Fig.	Each	Size of Eye Inches	Length Inches	Weight Ounces
842	\$ .30	3/8	1 1/8	1/2
1041	.34	3/8 x 3/16	1 3/4	1/2



Fig. 1042

**SWIVEL EYE BABY SNAPS — Fig. 1042**  
Cast Brass

Diam. of Eye Inches	Each	Length Inches	Weight Ounces
3/8	\$ .43	2 3/8	1/2



Fig. 606

**SAFETY MOORING HOOKS — Fig. 606**  
Drop Forged Steel — Stainless Steel Spring

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	\$ .95	3/4	4	3/4	25
1 1/2	1.30	1 1/8	4 3/4	3/4	32
2	3.75	1	5 3/4	1 1/8	100



Fig. 640

**SWIVEL EYE MOORING HOOK — 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.
\$2.25	3/4	5 3/8	1 1/8	62 1/2

**"S" HOOKS — Fig. 680**  
Galvanized Wrought Steel

Nominal Size Inches	Per 100	Length Overall Inches	Weight Per 100 Pounds
3/8	\$ 8.50	1 1/2	2 3/4
1/2	10.50	2	7
5/8	18.00	2 1/2	14 1/2
3/4	30.00	3	18 3/4



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	\$17.50	4 1/4	3/8	\$31.35	24
3/16	17.50	7	1/2	40.50	37
1/4	20.50	14 1/2	5/8	53.50	59
5/16	22.75	16			



Fig. 333

**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
\$31.80	\$21.00	\$10.80	6	8



Fig. 325

**BRASS ACORN NUTS — Fig. 465**

**Milled Finish**

No.	Size Thread	Plain Each	Polished Brass Each	Chromium Plated Each	Size Hexagon Inches	Weight Ounces
1	8 -32	\$ .11	\$ .17	\$ .32	3/16	1/8
2	1/4 -20	.13			3/16	1/4
3	3/8 -18	.45	.58	.75	3/8	3/8
5	1/2 -16	.60			1/2	1
7	5/8 -13	1.00			5/8	2
8	1 -13	1.20	1.50	1.70	1	2 1/2
9	1 1/8 -11	1.90	2.40	2.60	1 1/8	5



Fig. 465

**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
3/16	24	\$ .14	3/8	16	\$ .30
1/4	20	.14	1/2	13	1.00
5/16	18	.20			



Fig. 453

**ASSORTED BRASS PINS — Fig. 1176**

No.	Each	Diam. Pin Inches	Length Under Head Inches	Diam. Head Inches	Type Head
1	\$ .40	3/16	5/8	1/4	Flat
2	.40	3/16	3/4	1/4	Flat
4	.48	3/16	1	1/4	Flat
5	.48	1/4	5/8	5/16	Round
6	.50	1/4	3/4	5/16	Flat
7	.53	1/4	7/8	5/16	Flat
8	.58	1/4	1 1/16	5/16	Flat
10	.58	1/4	1 1/4	5/16	Flat
11	.58	5/16	7/8	3/8	Flat
15	.60	5/16	1 1/4	3/8	Flat
16	.60	5/16	1 1/2	3/8	Flat
18	.79	3/8	1 5/16	7/16	Flat
27	1.20	1/2	1 1/4	5/8	Flat



Fig. 1176



Fig. 314

**SHACKLES — Fig. 314**

**Galvanized Drop Forged Steel Or Bronze — Screw Pin Anchor**

Size Inches	Fig. 314 Galvanized Each	Fig. 314 Bronze Each	Approx. Weight Per 100 In Pounds
3/16	\$ .59	\$1.30	7
1/4	.68	1.80	11
5/16	.75	2.30	20
3/8	.87	2.95	31
7/16	1.10		47
1/2	1.30		68
5/8	2.05		137
3/4	2.85		220
7/8	3.75		320
1	5.35		500



**WIRE ROPE THIMBLES — Fig. 466**

**Galvanized Steel, Brass Or Stainless Steel**



Fig. 466

For Size Rope Inches	Galv. Per 100	Brass Each	Stainless Steel Each	Galv. Wt. Per 100 in Lbs.
1/8	\$10.00	\$.27	\$.22	2%
3/16	10.00	.27	.22	2%
1/4	10.00	.33	.27	4%
5/16	12.25	.46	.38	5 1/2%
3/8	12.25	.72	.60	10%
1/2	21.00	.96	.80	15 1/2%
5/8	45.00			27 1/2%
3/4	56.50			40
7/8	91.50			55
1	100.00			79

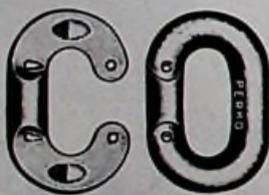


Fig. 319

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

**Drop Forged Steel — With Interlocking Lugs**

Size Inches	Galv. Each	Overall Dimensions Inches	Weight Per 100 Pounds
3/16	\$.45	1 3/16 x 3/4	3 1/2
1/4	.45	1 1/2 x 1	7 1/2
5/16	.50	1 3/4 x 1 3/16	10 3/4
3/8	.56	2 1/8 x 1 1/8	18 3/4
1/2	.74	2 3/8 x 1 1/2	38 1/2

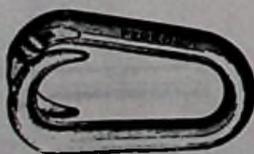


Fig. 785

**LAP LINKS — Fig. 785**

**Galvanized Wrought Steel**

Size Inches	Each	Inside Dimensions of Link Inches	Size Inches	Each	Inside Dimensions of Link Inches
3/16	\$.14	1 x 1/2	3/16	\$.40	1 1/16 x 1 1/16
1/4	.16	1 1/2 x 1/2	1/2	.68	2 x 1
5/16	.26	1 1/2 x 3/4			

**OPEN TURNBUCKLES – Figs. 390 & 394**

Drop Forged Steel – Hot Galvanized

All turnbuckles have right and left hand threads.

Diameter and Take-Up Inches	Fig. 390 Each	Fig. 394 Each	Overall Length Closed Inches	Approx. Weight Pounds
1/4 x 4	\$1.65	\$2.20	7 1/2	3/8
5/16 x 4 1/2	1.80	2.40	8 1/2	1/2
3/8 x 6	2.30	3.10	11	1
1/2 x 6	3.05	3.45	12	1 3/4

**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	\$ .95	1/8	3	3/4	3
2	1.00	3/32	4	1 1/8	6 1/4
3	1.20	3/16	5	1 1/2	11 1/2
4	1.70	1/4	5 3/4	1 7/8	15
5	2.00	5/16	6 3/8	2 1/4	24 1/2



Fig. 396



**PETITE TURNBUCKLES – Fig. 397**

Bronze – S.A.E. Threads – Jaw and Eye

No.	Each	Diameter Thread Inches	Length Extended Inches	Take-up Inches	Width Jaws Inches	Weight Per 100 in Pounds
4	\$2.65	1/4	5 3/4	1 7/8	1/4	17
5	3.00	5/16	6 7/8	2 1/4	1/4	26



Fig. 397



**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	\$3.40	1/4	5 3/4	1 7/8	1/4	19
5	3.85	5/16	6 7/8	2 1/4	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
1/4	\$5.00		1/4	1/4	3/8
3/8	6.25	.48	3/8	3/8	1/2
1/2	7.50	.54	1/2	1/2	3/4
3/4	14.00	.72	3/4	3/4	1 1/2



Fig. 459

**SCREW EYE BOLTS — Fig. 500**  
 Without Shoulder — Galv. Drop Forged Steel — Large Eye

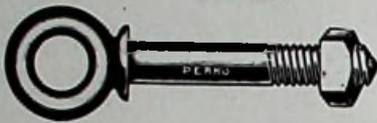


Fig. 500

Size Inches	Each	Inside Diam. Eye Inches	Galv. Weight Per 100 in Lbs.
1/4 x 2	\$ .48	1/2	6
3/8 x 2 1/4	.59	3/8	9
3/8 x 2 1/2	.63	3/4	16
1/2 x 3 1/4	.95	1	35

**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	\$ .50	\$ .50	\$ 1.20	1/2	7
1/4 x 4	.59	.59		1/2	10
3/8 x 2 1/4		.66	1.70	3/8	13
3/8 x 4 1/4	.74	.74	1.90	3/8	17
3/8 x 2 1/2	.70	.70	2.15	3/4	21
3/8 x 4 1/2	.84	.84	2.44	3/4	27
3/8 x 6	1.06			3/4	32
1/2 x 3 1/4	1.03	1.03		1	45
1/2 x 6	1.35	1.35		1	65
1/2 x 8	1.96			1	75
1/2 x 10	2.44			1	85
3/4 x 4	1.68			1 1/4	85
3/4 x 6	1.96			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	\$ 1.78	3 3/8	3/4	1/4
3/8	1.87	4 1/8	1 1/8	3/8
1/2	2.20	5 1/4	1 3/8	3/4
3/4	3.02	6 3/8	1 1/2	1 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	\$ 2.25	4	3/8	1 1/8 x 1 3/8	3/8
3/8	2.25	4 1/2	3/8	1 1/4 x 1 1/2	1/2
1/2	2.80	5	3/8	1 5/8 x 1 3/4	3/4
3/4	3.40	6	1 1/8	1 3/4 x 1 3/4	1 1/4

**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	\$ .30	\$ .75	3/8	1/4	1/4	1 3/8	2 3/4
1	.32	.75	3/8	3/8	3/8	1 3/4	4
2	.43		1/4	3/8	3/8	2 1/8	7 1/2
3	.60		1/4	3/8	1/2	2 1/2	10
4	.85		3/8	1/2	3/8	3 1/4	19 1/2
5	1.15		3/8	3/8	3/4	3 1/2	24 1/2

**"PERKO" ANCHORS — Fig. 700**

Hot Galvanized Steel — Flukes And Shank  
Of High Strength Alloy Steel

Weight Pounds	Length Overall Inches	Each
2½	17¼	\$ 6.00
4	19	10.50
8	24	16.75
13	28½	26.00
22	35	40.00
30	37½	50.00
40	37½	60.00
65	50¼	87.00

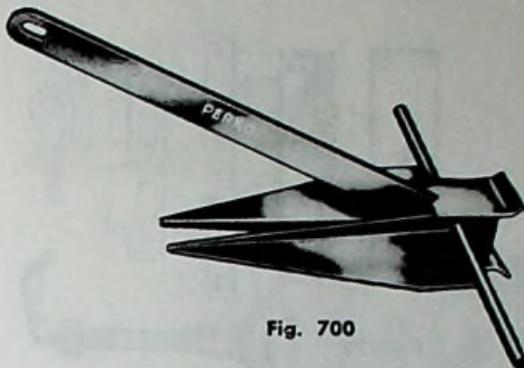


Fig. 700

**NAVY TYPE ANCHORS — Fig. 45**

Drop Forged Shank — Galvanized

Weight Pounds	Each	Weight Pounds	Each
5	\$ 6.30	20	\$ 17.00
10	10.00	25	23.00
15	13.40	30	26.50



Fig. 45

**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.

No. 1 weight per set, 1¾ pounds.  
No. 2 weight per set, 2¼ pounds.

	No. 1		No. 2	
	Plain Bronze	Plain Chromium Plated	Plain Bronze	Plain Chromium Plated
Complete, per set	\$7.80	\$8.60	\$9.00	\$9.80
Shank support only, ea.	3.25	3.60	3.90	4.25
Fluke supports only, pair	2.40	2.75	2.75	3.10
Crown support only, ea.	2.40	2.75	2.75	3.10

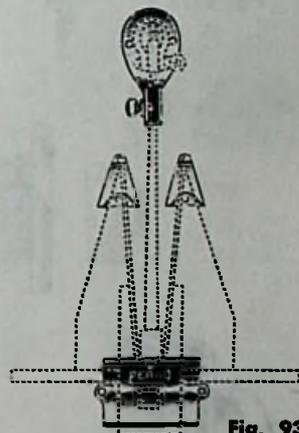


Fig. 933

No. 2 size for anchors 30 lbs. and larger.

**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 ½ inch diameter rope, No. 2 for ¾ inch rope.

No.	Each	Length Overall Inches	Diameter Spring Inches	Diameter Metal Inches	Compression Inches	Weight Pounds
1	\$1.85	10	1½	¾	4½	¾
2	5.25	18	2	¾	8	2¾



Fig. 759

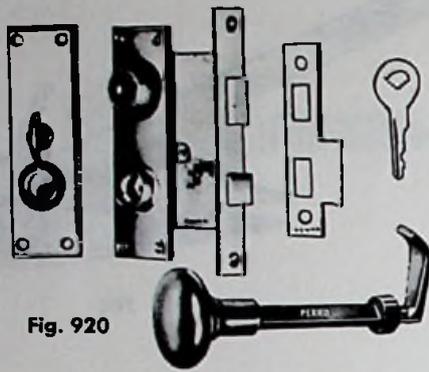


Fig. 920

**"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 3/4 to 1 3/8 inches thick. Backset 1 5/8 inches.

Per Set	Size Case Inches	Size Facing Inches	Size Escutcheon Inches	Diameter Knob Inches	Weight Pounds
\$29.00	3 x 2 1/8	4 1/2 x 1 1/16	4 x 1 3/16	1 1/16	1 1/2



**MORTISE LOCK SETS — Fig. 927**

**Polished 18-8 Stainless Steel—Reversible—With Screws**

Five disc tumbler type with dead bolt for inside. With round knob and lever handle, two keys.

For door 3/4 to 1 3/8 inches thick. Backset 1 1/8 inches.

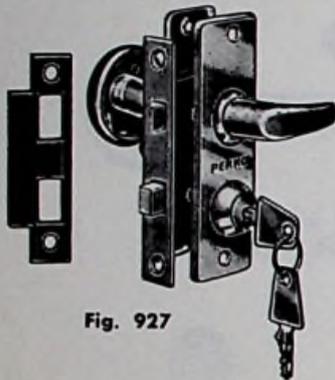


Fig. 927

Per Set	Size Case Inches	Size Facing Inches	Size Escutcheon Inches	Weight Pounds
\$11.80	2 1/4 x 1 1/2	4 x 1 1/8	4 3/8 x 1 1/8	7/8



**MORTISE LATCH SETS — Fig. 960**

**Brass — With Screws — Reversible**

Locked by dead bolt inside, no keys, with round knob and lever handle.

For door 3/8 to 1 3/8 inches thick. Backset 1 3/8 inches.

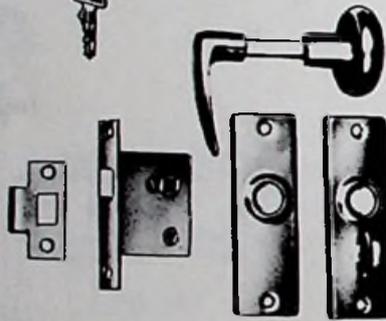


Fig. 960

Polished Brass Per Set	Chromium Plated Per Set	Size Case Inches	Size Facing Inches	Size Escutcheon Inches	Weight Pounds
\$9.00	\$11.00	2 x 1 3/4	3 3/4 x 1 1/8	4 x 1 3/8	1



**TUBULAR LATCH SETS — Fig. 567**

**Brass — For Small Cabin Doors — With Screws**  
**Polished Or Chromium Plated**

Polished Brass Each	Chromium Plated Each	For Thickness Doors Inches	Size Escutcheon Inches	Size Knob Inches	Back-set Inches
\$7.90	\$10.50	7/8 to 1 3/8	4 x 1 1/2	1 3/8	1 1/4



**RIM LATCH SETS — Figs. 928 & 930**

**Brass — Reversible**

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
\$9.65	\$11.35	2 1/4 x 2	1 3/8	1 3/4	3/4

NOTE — If required with reverse bevel specify Fig. 930.

Fig. 928 Supplied with box strike.  
 Fig. 930 Supplied with flush strike.

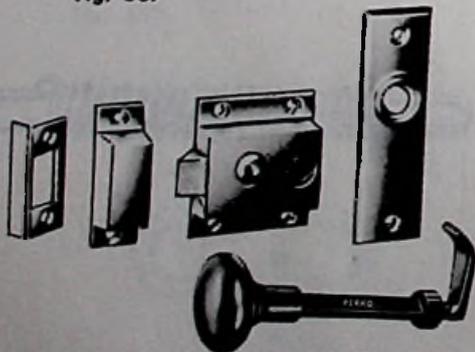


Fig. 928

**CUPBOARD CATCHES'— Fig. 1102**

Die Cast Zamak — Chromium Plated

Each	Without Strike Inches	Weight Ounces
\$3.30	1 3/8 x 1 7/16	3

Supplied complete with flush and 3/8 inch offset strike

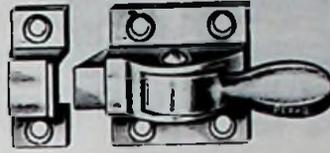


Fig. 1102

**CUPBOARD TURNS — Fig. 1105**

Wrought Brass

Furnished complete with screws.

Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
\$3.00	\$3.70	2 1/4 x 1 1/2	3

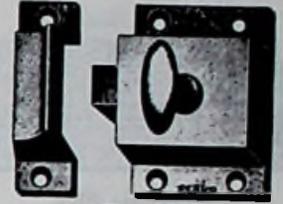


Fig. 1105

**CUPBOARD TURNS — Fig. 949**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
1	\$3.70	\$4.40	1 3/4 x 1 1/8	3 1/2
2	4.60	5.40	2 1/8 x 1 1/8	5 1/2

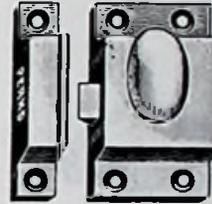


Fig. 949

**FLUSH PULLS — Fig. 1110**

Die Cast Zamak — Chromium Plated  
For Drawers, Sash Or Sliding Doors

Each	Dimensions Overall Inches	Depth Inches	Weight Ounces
\$2.05	3 1/16 x 1 11/16	7/16	3

Inside recessed for finger grip as illustrated.

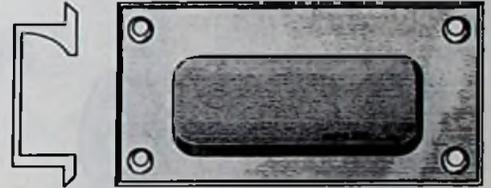


Fig. 1110

**CUPBOARD BOLT — Fig. 1101**

Die Cast Zamak — Chromium Plated

Each	Without Strike Inches	Weight Ounces
\$2.25	1 1/2 x 1 1/2	2

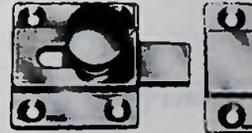


Fig. 1101

**FLUSH RING CATCHES — Fig. 1051**

Die Cast Zamak — Chromium Plated

Each	Size Inches	Weight Ounces
\$2.70	1 3/4 x 1 3/8	1 1/2

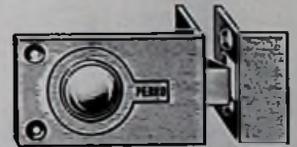


Fig. 1051

**FLUSH RING PULLS — Fig. 841**

Die Cast Zamak — Chromium Plated

Each	Size Plate Inches	Weight Ounces
\$1.45	1 3/4 x 1 3/8	1 1/4



Fig. 841

**FLUSH RING PULLS — Fig. 1103**

Cast Brass — With Flush Stock In Ring

Polished Brass Each	Chromium Plated Each	Size Plate Inches	Weight Ounces
\$2.65	\$3.00	2 x 2 5/8	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	\$2.30	\$3.00	2 1/4	1 1/2 x 1 1/4	3 1/2
1	2.65	3.45	2 3/4	2 1/2 x 1 3/8	4
2	3.10	3.95	3 1/4	2 1/2 x 1 1/4	4 1/2
3	3.20	3.75	4 1/4	4 x 1 3/8	6

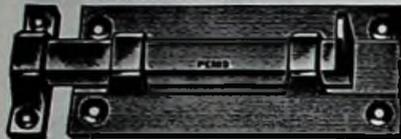


Fig. 1053

**SHIP BOLTS — Fig. 1053**

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Size Without Strike Inches
1	\$2.90	\$3.60	2 3/4 x 1 1/8
2	3.30	4.00	3 3/8 x 1 3/8



Fig. 574

**DOOR STOP AND HOLDER — Fig. 574**

Cast Brass

Polished Brass Each	Chromium Plated Each	Diam. Base Inches	Projection Inches	Weight Ounces
\$7.30	\$8.70	1 3/8	3 1/2	7 1/4

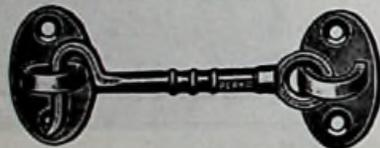


Fig. 956

**CABIN DOOR HOOKS — Fig. 956**

Cast Brass

Lgh. Hook In.	Polished Brass Each	Chromium Plated Each	Wt. Ozs.	Lgh. Hook In.	Polished Brass Each	Chromium Plated Each	Wt. Ozs.
1 1/2	\$1.30	\$1.80	1	3 1/2	\$1.90	\$2.65	2 1/2
2	1.50	2.15	1 1/2	4	2.25	2.85	3
2 1/2	1.55	2.10	1 3/4	5	2.30	3.00	3 1/2
3	1.65	2.30	2	6	2.50	3.15	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	\$3.35	\$4.00	2 1/2
3 1/2	3.85	4.70	3



Fig. 1199

**CABIN DOOR HOOKS — Fig. 1199**

Zamak Die Castings — Chromium Plated

Length Hook Inches	Each	Weight Ounces
1 3/4	\$.97	1 1/4
2 1/4	1.00	1 3/8
3	1.05	1 1/2
4	1.10	1 3/4

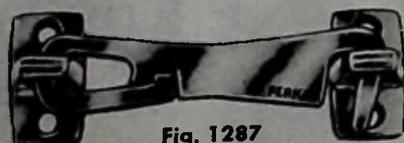


Fig. 1287

**MODERN DESIGN CABIN DOOR HOOKS —**

Fig. 1287 Patent Applied for #75,268

Zamak Die Castings — Chromium Plated

A new design . . . the first in many years. Combines good looks with improved strength

No.	Length Hook Inches	Each	Dimensions Eye Plate Inches	Weight Ounces
1	2	\$1.05	1-1/4 x 11/16	1 1/4
2	2 1/2	1.10	1-1/4 x 11/16	1 1/2
3	3	1.15	1-1/4 x 11/16	1 3/4

**NEW DOOR STOP — Fig. 1177**

**Rubber Bumper with Zamak Die Cast Holder — Chromium Plated**



Fig. 1177

Each	Diameter Inches	Length Inches	Weight Ounces
\$ .95	1 1/4	1	1

**"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

**"POLYDEL" DOOR CATCHES — Fig. 559**

**Grey Delrin Ball Stud — Polyethylene Catch — Holds Door Firmly in Place Against Vibration and Motion**



Fig. 559

Per 100	Stud Size Inches	Catch Size Inches	Weight Per 100 Pounds
\$32.00	1 1/8 x 3/8	1 3/8 x 7/8	1

Packed 25 per package.

**CUPBOARD DOOR HOLDERS — Fig. 1178**

**Brass Plated**

A useful little friction catch for use on cabinets, closets, cupboards and all small doors, size overall — 1 1/2 x 1 1/2 inches.

Per Dozen \$1.20



Fig. 1178

**FRICITION CATCHES — Fig. 178**

**All Brass — Adjustable Tension**

Illustrations are full size. Supplied complete with oblong strike.

Per Dozen \$3.50

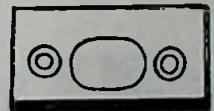


Fig. 178

**IMPROVED ELBOW CATCHES — Fig. 1056**

**Zamak Die Casting — Chromium Plated**



Fig. 1056

Each	Size Base Inches	Weight Ounces
\$1.50	1 1/8 x 1/16	3/4

**DOOR HOLDERS — Fig. 1065**

**Side Pattern — Cast Brass**

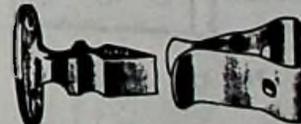


Fig. 1065

Polished Bronze Per Set	Chromium Plated Per Set	Base of Holder Inches	Base of Clip Inches	Projection Inches
\$2.30	\$2.90	1 3/4 x 3/4	2 1/2 x 3/4	2

**SPRING TYPE DOOR BUTTON — Fig. 1216**

**Zamak Die Casting — Chromium Plated**

Eliminates rattling doors. Phosphor bronze coil spring under knob holds button snugly against the plate. Nylon tips under button prevent marring of chrome surface. Drilled and countersunk for #6 screw.



Fig. 1216 With Spring



Fig. 1216-B Without Spring

Each	Plate Diameter Inches	Width Less Keeper Inches	Weight Ounces
Fig. 1216 \$1.30	1 1/16	1 3/16	1 1/2
Fig. 1216-B 1.25	1 1/16	1 3/16	1 1/2

**BUTT HINGES — Fig. 1293**

Zamak Die Castings — Chromium Plated  
With Stainless Steel Removable Pin and Nylon Spacers  
Strong As Brass — Smooth Operation



Fig. 1293

Size Open Inches	Chromium Plated Per Pair	For Screw No.	Weight Per Pair Ounces
1 1/2 x 1 1/2	\$2.60	8	3
2 x 1 1/2	2.75	8	3 1/2
2 x 2	2.90	8	4
2 1/2 x 2	3.20	8	4 1/2
2 1/2 x 2 1/2	3.50	8	5
3 x 3	3.50	10	5 1/2



**FAST PIN BUTT HINGES — Fig. 952**

Heavy Extruded Brass — With Brass Pin

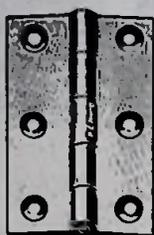


Fig. 952

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	\$2.30	\$3.65	2 1/2 x 1 3/4	\$3.55	\$5.25
1 1/2 x 1 1/2	2.55	3.85	2 1/2 x 2	3.80	5.60
2 x 1 1/4	2.65	4.10	2 1/2 x 2 1/2	4.55	6.65
2 x 1 1/2	2.65	4.10	3 x 2	4.55	6.65
2 x 1 3/4	3.55	5.10	3 x 2 1/2	5.25	7.70
2 x 2	3.55	5.10	3 x 3	5.95	8.75



**LOOSE PIN BUTT HINGES — Fig. 953**

Heavy Extruded Brass — With Brass Pin



Fig. 953

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	\$4.20	\$4.90	2 1/2 x 2 1/2	\$6.65	\$8.05
2 x 1 1/2	4.35	5.25	3 x 2	7.00	8.40
2 x 2	4.90	5.85	3 x 2 1/2	7.90	9.30
2 1/2 x 2	5.75	6.85	3 x 3	8.40	9.80



**STRAP HINGES — Fig. 120**

Cast Bronze



Fig. 120

Length Open Inches	Plain Per Pair	Polished Per Pair	Chromium Plated Per Pair	Width At Pin Inches	Weight Per Pair Pounds
4	\$2.85	\$5.65	\$6.00	1 1/8	3/16
6	3.50	6.50	6.90	1 3/16	3/8
8	6.20	7.85	8.50	1 1/2	7/8



**"T" HINGES — Fig. 197**

Cast Bronze — Brass Pins

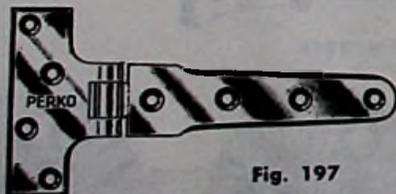


Fig. 197

Length Open Inches	Plain Per Pair	Polished Per Pair	Chromium Plated Per Pair	Width Overall Inches	Weight Per Pair Pounds
4	\$4.50	\$ 8.00	\$ 9.00	2 1/2	1/2
6	5.45	9.25	10.25	3	3/8
8	8.75	13.00	14.50	4	1 1/2

**DOOR HINGES — Fig. 808**

Zamak Die Casting — Chromium Plated

These attractively shaped hinges are bored and countersunk for No. 8 screw.

Per Pair	Open Length Inches	Extreme Width Inches	Weight Per Pair Ounces
\$3.25	3	1 1/2	4

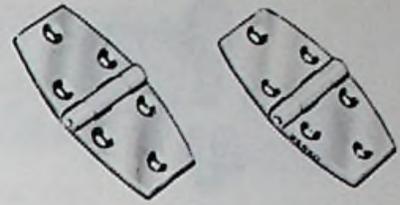


Fig. 808

**CABINET HINGES — Fig. 768**

Brass — Chromium Plated  
Flush Or Offset Is 3/8 Inches

	Chromium Plated Per Pair	Size Open Inches	Gauge	Weight Per Pair Ounces
Offset	\$1.70	2 3/4 x 1 1/2	14	2
Flush	1.70	2 3/8 x 1 1/2	14	2

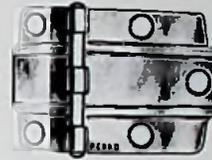


Fig. 768

**CABINET HINGES — Fig. 772**

Brass — Chromium Plated  
Flush Or Offset

Packed one dozen pairs per box, complete with screws. Offset is 3/8 inch.

	Chromium Plated Per Pair	Size Open Inches	Gauge	Weight Per Pair Ounces
Offset	\$2.90	2 x 1 1/2	14	2
Flush	2.90	2 x 1 1/2	14	2

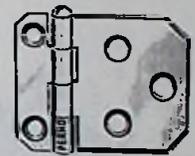


Fig. 772

**FLAP HINGES — Fig. 929**

Wrought Brass — Thickness .050 inches

Polished Brass Per Pair	Chromium Plated Per Pair	Length Open Inches	Extreme Width Inches	Weight Per Pair Ounces
\$1.30	\$1.55	2	7/8	1 1/4

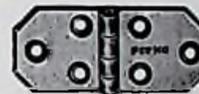


Fig. 929

**HATCH HINGES — Fig. 773**

Cast Bronze

For use with flush hatch cover.

Plain Bronze Per Pair	Polished Bronze Per Pair	Chromium Plated Per Pair	Length Inches	Width Overall Inches	Weight Per Pair Pounds
\$9.80	\$16.50	\$19.50	3 3/4	2 3/4	1 3/4

Illustration shows one half pair.

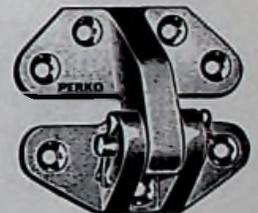


Fig. 773

**CUDDY DOOR HINGE — Fig. 950**

18-8 Stainless Steel — Polished — Stainless Steel Pin — Thickness .075 Inches

A good sturdy hinge strong enough for all doors but lightweight for cupboard and closet doors.

Per Pair	Length Open Inches	Width Inches	Diam. Pin Inches	Weight Per Pair Ounces
\$2.15	3	1 1/2	3/8	3

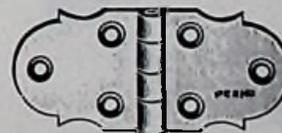


Fig. 950 Stainless Steel  
Fig. 924 Brass

**CUDDY DOOR HINGES — Fig. 924**

Wrought Brass — Thickness .051 Inches

Polished Brass Per Pair	Chromium Plated Per Pair	Length Open Inches	Extreme Width Inches
\$1.80	\$2.00	3	1 1/2

**CUDDY DOOR HINGES — Fig. 951**

Cast Bronze

Length Open Inches	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair
3	\$2.40	\$4.80	\$5.25
4	2.55	4.95	5.50
5	2.75	5.25	5.75



Fig. 951

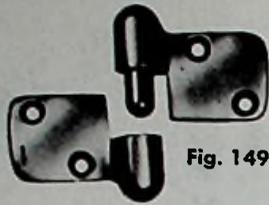


Fig. 149

**"PULL-OUT" HINGE — Fig. 149**

**Cast Bronze**

A useful and functional piece of hardware for use on motor box covers.

Plain Bronze Each	Chromium Plated Each	Length Inches	Width Inches	Weight Ounces
\$5.40	\$9.00	3 15/16	2	6 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
\$7.50	\$8.40	5 3/4	3/4	9



Fig. 1058

**BUTTERFLY HINGES — Fig. 1058**

**Wrought Brass — Plain**

No.	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Length Open Inches	Width at Pin Inches	Weight Per Pair Ounces	Thickness Inches
1	\$.50	\$.55	\$.70	2 1/4	3/4	1/2	.040
2	.72	.88	1.25	3 3/4	1 1/8	1 1/2	.045

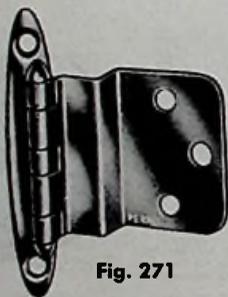


Fig. 271

**"SEMI-CONCEALED" HINGE — Fig. 271**

**Wrought Brass — Chromium Plated**

For use on doors with 3/8" inset.

Per Pair	Dimensions Overall Inches	Weight Per Pair Ounces
\$3.10	2 3/4 x 2 1/8	2 1/2



Fig. 979

**SECURITY HINGED HASPS — Fig. 979**

**Wrought Brass — 14 B. & S. Gauge**

A lightweight but strong hasp. Ideal for lockers, cupboards, chests, etc.

Polished Brass Each	Chromium Plated Each	Length Closed Inches	Width Inches	Weight Ounces
\$1.15	\$1.50	2 3/4	1	1 1/4

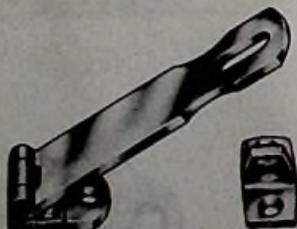


Fig. 1198

**SECURITY HINGED HASPS — Fig. 1198**

**Zamak Die Casting — Chromium Plated**

Length Closed Inches	Each	Width Inches	Weight Ounces
2	\$1.90	1	2
3	1.95	1	2 1/4
3 3/4	2.00	1	2 1/2

**FLUSH HATCH LIFTING HANDLE – Fig. 774**

**Cast Brass – Safety Type**

No recess to catch heels, chair or table legs, etc.

Burnished Bronze Each	Polished Bronze Each	Chromium Plated Each	Size Plate Inches	Handle Inside Inches	Weight Ounces
\$2.95	\$4.15	\$4.65	3x2¼	1½x1	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	\$4.60	\$5.25	3 x 2¼	1 7/8	4
2	5.40	6.30	3 ½ x 2 ½	2 ¾	6 ½
3	8.65	9.65	4 ¾ x 4	2 ¾	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
\$2.50	\$2.90	2 x 2 5/8	1	3 ½



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	\$ 9.65	5	4	12
10	11.00	6	6	12
12	11.65	6	8	12

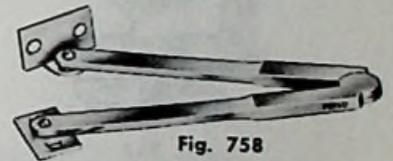


Fig. 758

**HATCH ADJUSTERS – Fig. 797**

**Cast Bronze**

Polished Bronze Each	Chromium Plated Each	Length Arm Inches	Length Adjustment Inches	Length Plate Inches	Weight Ounces
\$8.40	\$10.50	10	9 ½	10 ¾	13

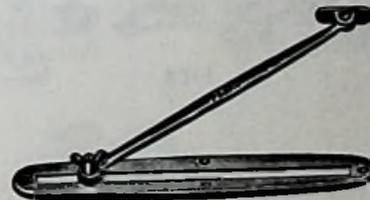


Fig. 797

**IMPROVED CASEMENT ADJUSTERS – Figs. 1179 & 1180**

**Brass – Chromium Plated**

A non-slip adjuster with powerful grip to stay put in position desired.

No.	Fig. 1179 Each	Fig. 1180 Each	Length Closed Inches	Length Open Inches	Diam. Outside Tube Inches	Weight Ounces
1	\$10.75		10	18	½	9
2	12.00	\$12.00	12	20	½	11

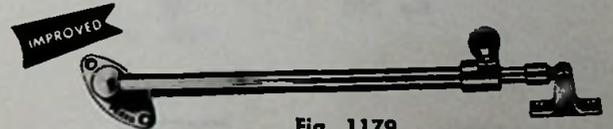


Fig. 1179

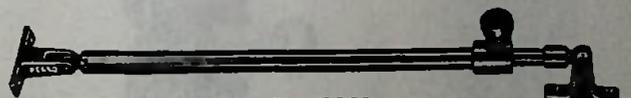


Fig. 1180

**CASEMENT OR WINDSHIELD ADJUSTERS – Fig. 1116**

**Cast Brass**

No.	Polished Brass Each	Chromium Plated Each	Length Inches	Diam. Rod Inches	Weight Ounces
1	\$9.00	\$10.20	8	¾	11
2	9.15	10.35	10	¾	12
3	9.30	10.50	12	¾	13

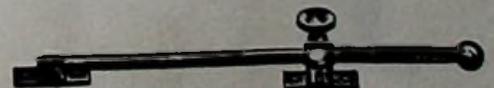


Fig. 1116



Fig. 111

**DRAWER PULL — Fig. 111**  
Cast Bronze — Chromium Plated

Each	Length Overall Inches	Length Inside Inches	Weight Ounces
\$1.65	3 1/16	2 3/4	2



Fig. 958

**DRAWER PULLS — Fig. 958**  
Pressed Brass

Polished Brass Each	Chromium Plated Each	Width Overall Inches	Width Inside Inches	Weight Ounces
\$ .96	\$ 1.30	3 3/16	2 5/16	1



Fig. 925

**DRAWER KNOBS — Fig. 925**  
Brass — For Drawers Up To 1 1/8" Thick

Polished Brass Per Dozen	Chromium Plated Per Dozen	Diameter Inches	Weight Per Dozen Ounces
\$12.00	\$14.75	1	12



Fig. 719

**TABLE LEG FASTENERS — Fig. 719**  
Brass — For Fastening Table Leg To Deck

Plain Brass Each	Polished Brass Each	Chromium Plated Each	Length Angle Inches	Width Angle Inches	Weight Ounces
\$2.60	\$3.20	\$4.00	1 1/2	3/8	3



Fig. 1108

**ANTI-RATTLE DOOR OR HATCH FASTENER — Fig. 1108**  
Cast Brass

Polished Brass Each	Chromium Plated Each	Size Base Inches	Weight Ounces
\$5.45	\$6.20	3x2	6

Has 1/4 inch hole in lever for padlock.



Fig. 770

**SASH OR SKYLIGHT FASTENERS — Fig. 770**  
Cast Bronze

Size Inches	Burnished Finish Each	Polished Bronze Each	Chromium Plated Each
3/8 x 4	\$4.30	\$5.80	\$6.50

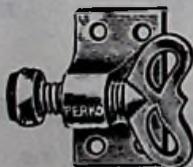


Fig. 839

**SASH ANTI RATTLES — Fig. 839**  
Cast Bronze

Furnished with leather tip to prevent defacing of woodwork. Size of base 1 3/4"x1".

Polished Bronze Each	Chromium Plated Each
\$3.50	\$4.25

**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	Chromium Plated Each	Thickness Inches	Weight Pounds
1	1¼	60	\$ 7.80	.040	1¼
2	1¼	72	9.20	.040	1½
3	1½	60	8.40	.040	1¾
4	1½	72	10.00	.040	2
5	2	60	10.50	.045	2¼
6	2	72	12.60	.045	2½

1¼" and 1½" sizes drilled for No. 5 F. H. Wood Screw. 2" size drilled for No. 6 F. H. Wood Screw.

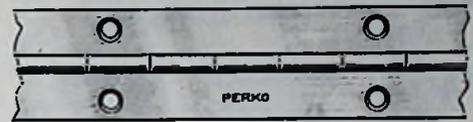


Fig. 211

★  
**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.	Chromium Plated Each	Width Inches	Length Inches	Thickness Inches	Weight Pounds
2	\$6.30	1¼	72	.040	1
4	7.00	1½	72	.040	1½



Fig. 243

★  
**STAINLESS STEEL HATCH TRIM — Fig. 258**  
Type 304 18-8 — Polished

Drilled and countersunk for No. 6 flat head screws.

No.	Each	Width Inches	Length Inches	Thickness Inches	Weight Pounds
2	\$4.75	1¼	72	.040	1
4	5.45	1½	72	.040	1½



Fig. 258

★  
**CABINET LATCHES — Fig. 1064**  
Cast Brass — Chromium Plated

With flush striking plate and brass pin, spring closing. Made either right or left hand.

Each	Length Overall Inches	Length Lever Inches	Weight Ounces
\$2.65	2½	2	6½

Specify right or left hand.



Fig. 1064

★  
**REFRIGERATOR FASTENERS — Fig. 1063**  
Cast Brass — Chromium Plated

Made either right or left hand with flush striking plate. Holds door without strain on the rivet. Has brass pin. Illustration shows right hand.

Each	Length Overall Inches	Size Lever Inches
\$5.25	5	4

Specify right or left hand.



Fig. 1063



Fig. 959



Fig. 975



Fig. 635



Fig. 1106



Fig. 610

**COAT AND HAT HOOK — Fig. 959**

Cast Brass

Polished Brass Each	Chromium Plated Each	Projection Inches	Width Base Inches	Weight Ounces
\$ .60	\$ .80	2 1/8	1 1/4	1 1/4



**COAT AND HAT HOOK — Fig. 975**

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Projection Inches	Width Base Inches	Weight Ounces
\$ .44	2	1 3/16	1



**WARDROBE HOOK — Fig. 635**

Cast Brass

Chromium Plated Each	Projection Inches	Width Inches	Weight Ounces
\$ .85	2	1 1/4	1



**WARDROBE HOOK — Fig. 1106**

Cast Brass

Chromium Plated Each	Projection Inches	Width Base Inches	Weight Ounces
\$ .80	7/8	3 3/8	1 1/4



**UTILITY HOOK — Fig. 610**

Cast Brass

Polished Brass Per Dozen	Chromium Plated Per Dozen	Projection Inches	Width Base Inches	Weight Ounces
\$5.75	\$7.20	1 1/8	1 1/8	1



**RUBBER FENDER MOULDING — Fig. 158**

Half Round — White

Per Foot	Width Inches	Thickness Inches	Weight Per 100 Ft. Pounds
\$ .43	1	1/2	22

Supplied only in 50 foot lengths.



**QUARTER ROUND RUBBER MOULDING — Fig. 471**

Black

Generally used as trim or moulding around cabin windows and windshields.

Size 3/8 x 3/8 inches

Per Foot — \$.22

Supplied only in lengths of 25 feet.



**RUBBER DRIP MOULDING — Fig. 192**

White Synthetic Rubber —  
Not Effected By Sun Or Weather

Per Foot	Height Inches	Extension Inches	Weight Per Foot Ounces
\$ .40	3/8	3/8	1 1/2

Supplied only in standard lengths of 10 feet.



Fig. 158



Fig. 471



Fig. 192

**PAINT SCRAPER SET — Fig. 1015**

Per Set — \$4.35

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— $2\frac{3}{4} \times 2\frac{3}{4}$  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.

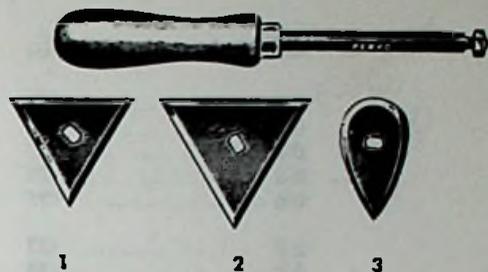


Fig. 1015

**DOUBLE END SCRAPERS — Fig. 1175**

Fine Grade Tool Steel — Heat Treated

Per Doz.	Length Inches	Width Inches	Thickness Inches	Width Blade Inches	Weight Per Dozen Pounds
\$14.30	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	\$34.50	$\frac{1}{32}$	5	2	$3\frac{1}{2}$
0	34.50	$\frac{1}{16}$	$5\frac{5}{8}$	$2\frac{1}{2}$	$4\frac{1}{2}$
1	35.90	$\frac{1}{8}$	$5\frac{7}{8}$	$2\frac{1}{4}$	$5\frac{1}{4}$



Fig. 307

**SAIL MAKERS PALMS — Fig. 411**

Hide Mounted — Bronze Spindle — Right Hand Only

Seaming—Half Hide Per Dozen \$27.25

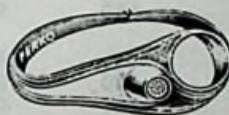


Fig. 411

**MARLINE SPIKES — Fig. 921**

Polished Steel — For Wire Rope

Length Inches	Each	Weight Pounds
10	\$5.70	$\frac{7}{16}$
12	5.90	1
14	7.15	$1\frac{1}{4}$
16	7.35	2
18	9.50	$2\frac{1}{2}$



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	\$15.00	$12 \times 1\frac{1}{4}$	$4\frac{1}{2}$
1	17.50	$14 \times 1\frac{1}{4}$	$4\frac{1}{2}$
2	20.00	$16 \times 2$	6
3	23.00	$18 \times 2$	$7\frac{1}{2}$
4	33.00	$20 \times 2\frac{1}{4}$	$10\frac{1}{2}$



Fig. 923

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## CLOUD FORMATIONS AND SYMBOLS

1. **Cirrus, (Ci.)**—Detached clouds, delicate and fibrous looking, taking the form of feathers, generally of a white color, sometimes arranged in belts which cross a portion of the sky in great circles, and, by an effect of perspective, converging toward one or two opposite points of the horizon.
2. **Cirro-Stratus, (Ci-S.)**—A thin, whitish sheet, sometimes completely covering the sky and only giving it a whitish appearance, or at others presenting, more or less distinctly, a formation like a tangled web. This sheet often produces halos around the sun and moon.
3. **Cirro-Cumulus, (Ci-Cu.)**—Small globular masses or white flakes, having no shadows, or only very slight shadows, arranged in groups and often in lines.
4. **Alto-Cumulus, (A-Cu.)**—Rather large globular masses, white or grayish, partially shaded, arranged in groups or lines, and often so closely packed that their edges appear confused. The detached masses are generally larger and more compact at the center of the group; at the margin they form into finer flakes. They often spread themselves out in lines in one or two directions.
5. **Alto-Stratus, (A-S.)**—A thick sheet of gray or bluish color, showing a brilliant patch in the neighborhood of the sun or moon, and which, without causing halos, may give rise to coronae. This form goes through all the changes like the Cirro-Stratus, but its altitude is only half as great.
6. **Strato-Cumulus, (S-Cu.)**—Large globular masses or rolls of dark cloud, frequently covering the whole sky, especially in winter, and occasionally giving it a wavy appearance. The layer of Strato-Cumulus is not, as a rule, very thick, and patches of blue sky are often visible through the intervening spaces. All sorts of transitions between this form and the Alto-Cumulus are noticeable. It may be distinguished from Nimbus by its globular or rolled appearance and also because it does not bring rain.
7. **Nimbus, (N.)**—Rain clouds; a thick layer of dark clouds, without shape and with ragged edges, from which continued rain or snow generally falls. Through the openings of these clouds an upper layer of Cirro-Stratus or Alto-Stratus may almost invariably be seen. If the layer of Nimbus separates into shreds or if small loose clouds are visible floating at a low level underneath a large Nimbus, they may be described as Fracto-Nimbus (Fr.-N.), the "scud" of sailors.
8. **Cumulus, (Cu.)**—Woolpack clouds; thick clouds of which the upper surface is domeshaped and exhibits protuberances, while the base is horizontal. When these clouds are opposite the sun the surfaces usually presented to the observer have a greater brilliance than the margins of the protuberances. When the light falls aslant, they give deep shadows; when, on the contrary, the clouds are on the same side as the sun, they appear dark with bright edges. The true Cumulus has clear superior and inferior limits. It is often broken up by strong winds, and the detached portions undergo continual changes. These may be distinguished by the name of Fracto-Cumulus (Fr.-Cu.).
9. **Cumulo-Nimbus, (Cu.-N.)**—The thunder-cloud or shower-cloud; heavy masses of clouds rising in the form of mountains, turrets, or anvils, generally having a sheet or screen of fibrous appearance above, and a mass of clouds similar to Nimbus underneath. From the base there usually fall local showers of rain or of snow (occasionally hail or soft hail).
10. **Stratus, (S.)**—A horizontal sheet of lifted fog; when this sheet is broken up into irregular shreds by the wind or by the summits of mountains, it may be distinguished by the name of Fracto-Stratus (Fr.-S.).
11. **Fracto-Stratus, (Fr.-S.)**—A horizontal sheet of lifted fog broken into irregular shreds by wind or the summits of mountains.
12. **Fracto-Cumulus, (Fr.-Cu.)**—Cumulus, when broken up by strong winds, undergo continued changes. These are distinguished by the name of Fracto-Cumulus (Fr.-Cu.).

### RULES OF THE ROAD

- A power boat gives way to a sail boat except when being overtaken.
- Power boats meeting head on pass portside to portside, unless signaled otherwise.
- Any vessel being overtaken by another has the right of way.
- Any vessel having right of way shall hold her course and speed, unless such action would cause a collision.
- The danger zone is from dead ahead to two points abaft the starboard beam.
- Any power boat having another in its danger zone shall give way to the other and shall, if necessary, alter course, slacken speed, stop or reverse.
- A vessel (under 65 ft.) using both sail and power, acts as a power boat by day, but as a sail boat by night.
- A sail boat running free gives way to the one close hauled.
- A sail boat running free with the wind on the port, gives way to one running free with the wind on the starboard.
- A sail boat close hauled with wind on the port, gives way to one close hauled with wind on the starboard.
- When two sail boats are running alike, the one to the windward gives way.

### WHISTLE SIGNALS FOR POWER BOATS

- A vessel's rights cannot be altered by whistle signals, the one which whistles first gains no rights over another, cross signals are unlawful.
- If the signal is correct for the circumstances, answer it, if it is not give the danger signal, stop, and come to an understanding.
- 1—Short blast—I wish to leave you on my port.
  - 2—Short blasts—I wish to leave you on my starboard.
  - 3—Short blasts—My engines are going astern. I am doing my best to stop.
  - 4—Short blasts—Danger, stop, your signals are not clear or are not satisfactory to me.
  - 4—Long blasts—Raise the bridge.
- Whistle signals are never given to or by a sail boat.

### FOG SIGNALS FOR POWER BOATS

- 1—Long blast—I am under way.
- 1—Long and 2 Short blasts—I am towing something.

### FOR HORN SIGNALS FOR SAIL BOATS

- 1—Short blast—I am on the starboard tack.
- 2—Short blasts—I am on the port tack.
- 3—Short blasts—I am running free.
- 1—Long and 2 Short blasts—I am being towed (any vessel).
- Rapid bell—I am at anchor (any vessel).



Frederick Perkins

## CO-FOUNDERS

Louis E. Perkins



# PERKO



## 1907

The Perko heritage dates back to 1907 when the late Frederick Perkins with his son, Louis, founded a small shop in Brooklyn, N. Y. to manufacture oil lanterns and navigational lights for the maritime industry. Soon the quality of their products became recognized and the company prospered to the point where it incorporated in 1917. During the decades to follow, the original Brooklyn shop was expanded many times to keep pace with the growing demand for the ever broadening Perko line. By 1960 further plant expansion was no longer feasible because of property limitations.

At this point the surviving Co-Founder, Louis Perkins, decided to move the entire operations to its present 95,000 square foot facility in Miami, Florida. He coordinated and supervised the monumental relocation and played a vital role in planning the highly efficient plant layout.

As a result of his vision and determination, all manufacturing facilities in the Miami plant are effectively arranged under one roof. Every step of production from the bronze and die cast foundry to final assembly and inspection is completely coordinated.

Before his passing in 1964, Louis E. Perkins devoted his efforts to making sure his new plant, the most modern in the industry, produced quality products worthy of the Perko name he founded.



## 1967