

# PERKO

1971 CATALOG/NUMBER 215



WM. J. MURPHY



# PERKO

## GENERAL INFORMATION

### 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.** 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 against 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.

### RETURN GOODS

Material made to order is not returnable. Stock material is only returnable when permission has been granted by us, and is subject to a handling and refinishing charge. Shipping charges must be prepaid. Be sure to give date and number of invoice. Permission must be requested within 30 days after receipt of material.

### WEIGHTS

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

### RATING

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

### SHIPPING INSTRUCTIONS

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

### SHIPMENTS

F.O.B. OUR PLANT, MIAMI, FLORIDA, unless quoted otherwise. We are not responsible for damage, loss or delay after goods are delivered to carrier. When loss or delay occurs, we will gladly assist in tracing or expediting, but such assistance is not criterion of responsibility.

When there is LOSS OR APPARENT VISIBLE DAMAGE to a shipment, when tendered for delivery, DO NOT give the carrier a clear receipt. Note such damage on the carrier's delivery receipt and HAVE THE DRIVER SIGN THE RECEIPT. If a photo-copy machine is available, it would be wise to make a copy of the signed receipt.

### CONCEALED DAMAGE OR LOSS

1. Advise the delivering carrier in writing as soon as discovered or at least no more than 15 days after delivery, and request carrier to make an inspection.
2. If verbal request is made, keep a written record of date of request and name of carrier's employee to whom it was directed.
3. RETAIN for the carrier's inspection, the CONTAINER and ALL PACKING that the damaged or lost material was packaged in.
4. DO NOT SIGN the carrier's Inspection Report unless it agrees in all details with your knowledge of the circumstances.
5. File claim promptly. Include a copy of the Inspection Report, Bill of Lading, Freight Bill and Invoice.

### COPYRIGHT

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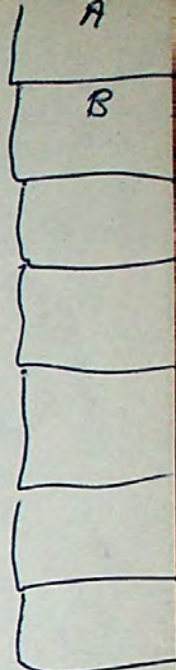
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**CATALOG NO. 215**

**1971**

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# perkins marine

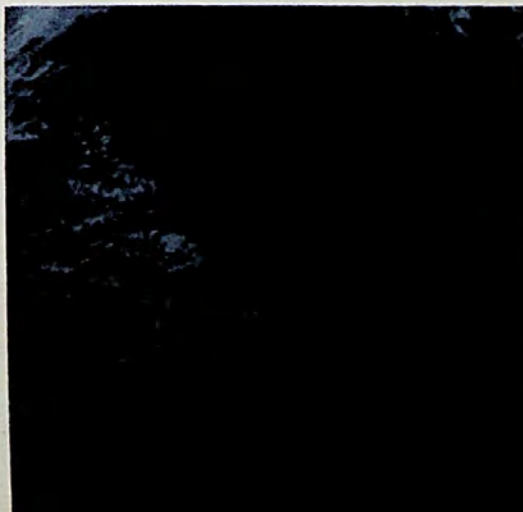
lamp and hardware  
corporation (ESTABLISHED 1907 —  
INCORPORATED 1917)

Factory and Main Office  
16490 Northwest 13th Avenue • P. O. Box D  
Miami, Florida • 33164

Telephone  
Area Code 305 — 621-7525

Cable Address  
"PERKO" Northmiamiflorida

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



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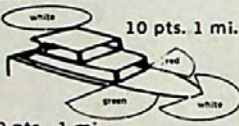
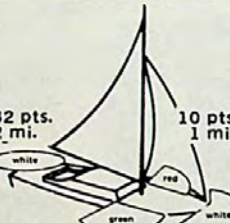
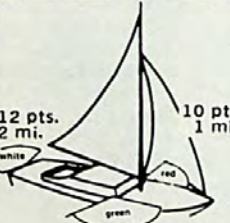
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# HIGHLIGHTS OF THE LAW AND REGULATIONS CG-290 JANUARY 1970

<p><b>LIGHTS REQUIRED ON BOATS UNDERWAY BETWEEN SUNSET AND SUNRISE</b></p>	<p><b>IMPORTANT: LIGHTS MUST BE PLACED HIGH ENOUGH THAT THEIR LIGHT WILL NOT BE BLOCKED BY PERSONS OR PARTS OF THE BOAT OR IT'S EQUIPMENT.</b></p>
<p><b>POWER BOATS</b> Under 65 feet and all Sailing Vessels at anchor must display anchor lights except those under 65 feet in "special anchorage area"</p>	<p><b>ROWING BOATS</b> Rowing boats, whether under oars or sail, shall have ready at hand a lantern showing a white light which shall be temporarily exhibited in sufficient time to prevent collision</p>

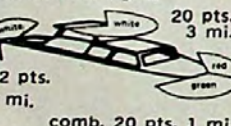
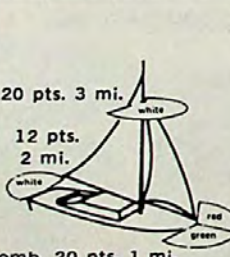






**MOTORBOAT ACT (Act of April 25, 1940).—**

used where Inland, Western Rivers and Great Lakes Rules apply

POWER ALONE	SAIL and POWER	AUXILIARY: SAIL ALONE*	SAILBOATS
<p>under 26' in length</p> <p>32 pts. 2 mi. </p> <p>comb. 20 pts. 1 mi.</p>	<p></p> <p>32 pts. 2 mi. comb. 20 pts. 1 mi.</p>	<p></p> <p>12 pts. 2 mi. comb. 20 pts. 1 mi.</p>	<p></p> <p>12 pts. 2 mi. 10 pts. 2 mi. - Sidelights</p>
<p>26' to 65' in length<sup>1</sup></p> <p>32 pts. 2 mi. </p> <p>10 pts. 1 mi. 20 pts. 2 mi.</p>	<p></p> <p>32 pts. 2 mi. 10 pts. 1 mi. 10 pts. 1 mi. 20 pts. 2 mi.</p>	<p></p> <p>12 pts. 2 mi. 10 pts. 1 mi. 10 pts. 1 mi.</p>	<p>*Stern light not required for vessels under sail alone on Great Lakes</p> <p>Manually propelled vessels shall have a white light ready to be temporarily exhibited in time to prevent collision.</p>

**INTERNATIONAL RULES.— (Act of Sept. 1, 1965)**

required on high seas, may be used inland

POWER ALONE	SAIL and POWER	AUXILIARY: SAIL ALONE*	SAILBOATS
<p>less than 40' in length<sup>1</sup></p> <p>carried 3 ft. higher than colored lights </p> <p>20 pts. 3 mi. 12 pts. 2 mi. comb. 20 pts. 1 mi. or 10 pt. separate sidelights</p>	<p></p> <p>20 pts. 3 mi. 12 pts. 2 mi. comb. 20 pts. 1 mi. or 10 pt. separate sidelights</p>	<p></p> <p>12 pts. 2 mi. comb. 20 pts. 1 mi.</p>	<p>OR</p> <p></p> <p>12 pts. 2 mi. 10 pts. 2 mi.</p>
<p>power — 40' but less than 65' — sailing vessels over 40'</p> <p>located 9 ft. above gunnels </p> <p>20 pts. 3 mi. 12 pts. 2 mi. 10 pts. 1 mi. 10 pts. 1 mi. or 20 pt. comb.</p>	<p></p> <p>20 pts. 3 mi. 12 pts. 2 mi. 10 pts. 1 mi. 10 pts. 1 mi. or 20 pt. comb.</p>	<p></p> <p>20 pts. 2 mi. optional &amp; additional 10 pts. 2 mi. 3 ft. screen on sidelights</p>	<p></p> <p>Red over Green 20 pt. 2 mi. for masthead optional for all sailboats</p>

# EQUIPMENT REQUIREMENTS

## FROM U.S. COAST GUARD (CG-290) DATED JANUARY 1970

### MEASURING FOR "CLASS"

For determining "class" the length of a boat is the distance measured from end to end over the deck excluding sheer. It means a straight line measurement of the overall length from the foremost part of the vessel to the aftermost part of the vessel, measured parallel to the centerline. Bowsprits, bumpkins, rudders, outboard motors and brackets, and similar fittings or attachments are not to be included in the measurement.

For additional information see "Recreation Boating Guide" (CG-340) or inquire at any Coast Guard Marine Inspection office.

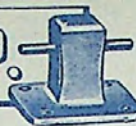
### Minimum Required Equipment

EQUIPMENT	CLASS A (Less than 16 feet)	CLASS 1 (16 feet to less than 26 feet)	CLASS 2 (26 feet to less than 40 feet)	CLASS 3 (40 feet to not more than 65 feet)
BACK-FIRE FLAME ARRESTOR	One approved device on each carburetor of all gasoline engines installed after April 25, 1940, except outboard motors.			
VENTILATION	At least two ventilator ducts fitted with cowls or their equivalent for the purpose of properly and efficiently ventilating the bilges of every engine and fuel-tank compartment of boats constructed or decked over after April 25, 1940, using gasoline or other fuel of a flashpoint less than 110° F.			
BELL	None.*	None.*	One, which when struck, produces a clear, bell-like tone of full round characteristics.	
LIFESAVING	One approved life preserver, buoyant vest, ring buoy, special purpose water safety buoyant device, or buoyant cushion for each person on board or being towed on water skis, etc.		One approved life preserver or ring buoy for each person on board.	
WHISTLE	None.*	One hand, mouth, or power operated, audible at least 1/2 mile.	One hand or power operated, audible at least 1 mile.	One power operated, audible at least 1 mile.
FIRE EXTINGUISHER—PORTABLE	At least One B-1 type approved hand portable fire extinguisher. (Not required on outboard motorboat less than 26 feet in length and not carrying passengers for hire if the construction of such motorboats will not permit the entrapment of explosive or flammable gases or vapors.)			
When NO fixed fire extinguishing system is installed in machinery space(s).			At least Two B-1 type approved hand portable fire extinguishers; OR At least One B-11 type, approved hand portable fire extinguisher.	At least Three B-1 type approved hand portable fire extinguishers; OR At least One B-1 type Plus One B-11 type approved hand portable fire extinguisher.
When fixed fire extinguishing system is installed in machinery space(s).	None.	None.	At least One B-1 type approved hand portable fire extinguisher.	At least Two B-1 type approved hand portable fire extinguishers; OR At least One B-11 type approved hand portable fire extinguisher.

Fire extinguishers manufactured after 1 January 1965 will be marked, "Marine Type USCG Type            Size            Approval No. 162-028 . . ."

\*NOTE.—Not required by the Motorboat Act of 1940; however, the "Rules of the Road" require these Vessels to sound proper signals.

\*\*NOTE.—Toxic vaporizing-liquid type fire extinguishers, such as those containing carbon tetrachloride or chlorobromomethane, are not accepted as required approved extinguishers on uninspected vessels (private pleasure craft).



## INDEX FOR STANDARD PACKAGES

NOTE - BY ORDERING IN UNITS OF STANDARD PACKAGES,  
YOUR ORDERS COULD BE FILLED AND SHIPPED MUCH FASTER

FIG. NO.	SIZE	PAGE	STANDARD PACKAGE
24		44	10
27		55	10
28		55	10
33		55	10
34		55	10
36		55	10
43	#1 thru #7	129	10
51		129	10
52		44	10
60		131	100*
61		131	100*
62		131	100*
66		84	5
86		84	5
90		131	100*
95	#0 & #1	128	10
100		129	10
101		129	10
105		48	10
114		131	100*
115		131	100*
116		131	100*
117		131	100*
118		131	100*
119	4", 5", 6"	106	5
120		146	5 pr.
121		45	100*
122		146	5 pr.
124		74	5
148		118	5 sets
149		149	5
155		123	10
156		131	100*
162		86	1 doz.
163		45	100*
164		45	100*
165		45	100*
167		86	1 doz.
178		141	25
184		53	10

FIG. NO.	SIZE	PAGE	STANDARD PACKAGE
196		45	100*
197		147	5 pr.
211		150	10
212		150	10
218		124	5
219		124	5
220		124	5
221		124	5
233		116	10 pr.
234		9	10
235		9	10
236	#1	110	10
236	#3 & #4	110	5
237	#1, #2, #3	110	10
237	#4	110	5
239		110	10
243		150	10
253		102	5
254		103	5
255		49	10
258		150	10
263		74	5
266		74	5
271		149	10 pr.
275		51	10
295		93	10
298		93	10
304		49	5'
307		137	1 doz.
310		49	10
315		69	10
316		49	10
321		48	10
323		69	5
324		69	5
325		133	10 sets
326		59	12
328		93	10
330		70	10
334		71	10

\*Minimum Quantity





# PERKINS MARINE LAMP & HARDWARE CORP.



## INDEX FOR STANDARD PACKAGES

FIG. NO.	SIZE	PAGE	STANDARD PACKAGE
335		71	10
336		71	10
338		69	5
339		69	5
342		71	5 pr.
343		124	5
344		109	5
346		44	5
349		86	1 doz.
358		126	20
363		74	5
366		48	10
381		48	10
395		130	10
396		135	10
398		135	10
405		43	5
411		137	1 doz.
413		120	10
413-A		120	5
414		74	10
414-A		74	10
423		111	6
424		51	10
435		85	10
447		111	5
454		154	6
466	#1 thru #6	134	20
468		154	6
469		154	10
472		43	10
476		154	3 kits*
477		154	3 kits*
490		47	10
492		117	10 pr.
495		5	10
502		117	10 pr.
503		100	5
505		100	5
506		100	10
509		100	10
515		100	10
518		104	5
519		45	5
520		99	5

FIG. NO.	SIZE	PAGE	STANDARD PACKAGE
524		98	5
525		117	10
526	1½", 2"	98	5
526	Balance	98	1
528	¾" thru 2"	98	5
528	2½", 3"	98	1
531		47	10
544-A		105	10
546		106	5 pr.
550		70	10
554		141	25
556		149	5 pr.
559		141	25
562		127	50
564		128	25
565		128	25
566	2", 3", 4½"	104	10
566	6", 7½"	104	5
572	4½"	105	10
572	5½", 6½", 8"	105	5
574		140	5
575		143	5
576		141	10
577		141	10
578		130	10 pr.
606	#1 & #1½	132	10
606	#2	132	5
610		145	20
611		128	25
612	#1 & #2	132	24
612	#3 thru #6	132	12
613	#1 & #2	132	24
613	#3 thru #5	132	12
626		46	5
627		46	5
629		46	5
634		128	25
635		145	10
647		46	5
659		132	25
669		109	5 sets
679		93	10
680		133	50
688		48	10
692		93	10

\*Minimum Quantity



# PERKINS MARINE LAMP & HARDWARE CORP.



## INDEX FOR STANDARD PACKAGES

FIG. NO.	SIZE	PAGE	STANDARD PACKAGE
693		87	10
694		46	5
697		123	10
704		75	5
705		75	5
<hr/>			
709		75	5
714		74	5
719		144	10
721		75	5
722		75	5
<hr/>			
729		74	5
732-SS		126	10
732 Cad.		126	25
737		74	5
747		44	10
<hr/>			
749		43	10
751		43	10
754		126	25
769		123	10
770		144	10
<hr/>			
775		113	10
776		143	5
786		51	10
789		68	See page
808		147	5 pr.
<hr/>			
826		101	5
827		101	10
841		143	10
842		132	50
861		124	6
<hr/>			
863		124	6
881	#0 & #1	127	50
881	#2	127	25
882	#1	127	25
882	#2	127	10
<hr/>			
896		131	100*
898		131	100*
900		131	100*
901		131	100*
906		131	100*
<hr/>			
907		131	100*
917		131	100*
924		148	10 pr.
925		145	10
928		148	20 pr.

FIG. NO.	SIZE	PAGE	STANDARD PACKAGE
931		69	2
933		134	5 sets
934		144	10
935		144	10
937		144	10
<hr/>			
947		140	5
948		139	10
949		139	10
950		148	5 pr.
951-PC		147	5 pr.
<hr/>			
951-SC		148	5 pr.
952		146	5 pr.
954		144	10
956		140	10
957		140	5
<hr/>			
958		145	10
959		145	10
961		94	10
967		123	10
973		119	5
<hr/>			
975		145	10
977		119	5
978		139	10
979		149	10
981		119	5
<hr/>			
987		147	5 pr.
988		147	5 pr.
989		119	5
990		119	5
991		130	100*
<hr/>			
992		119	5
993		119	5
994		130	100*
995		130	100*
996		130	100*
<hr/>			
997		130	100*
998		149	10
999		147	5 pr.
1017		117	5
1041		132	50
<hr/>			
1042		132	50
1043		112	10
1051		142	10
1053		140	5
1056		141	25

\*Minimum Quantity



# PERKINS MARINE LAMP & HARDWARE CORP.



## INDEX FOR STANDARD PACKAGES

FIG. NO.	SIZE	PAGE	STANDARD PACKAGE
1058		148	20 pr.
1062		70	5
1063		150	5
1064		150	5
1065		141	10
1069		70	5
1101		139	10
1102		139	10
1103		143	5
1006		145	10
1108		142	5
1110		145	10
1112		142	5
1113		142	5
1177		141	10
1179		122	10
1180		122	10
1188		105	10
1189		51	10
1190		51	10
1191		51	10
1198		149	10
1199		140	20
1200		104	10
1204		104	10
1207		120	10
1208		120	10
1216		142	10
1216-B		142	10
1220		143	5
1221		113	10
1222		113	10
1223		106	10 pr.
1224		112	10 pr.
1225		112	8
1226		126	50
1227		114	10 pr.
1228		114	10 pr.
1229		113	10
1230		5	10
1231		113	10
1232		110	10
1234		113	10
1235		110	10
1238		70	10

FIG. NO.	SIZE	PAGE	STANDARD PACKAGE
1239		5	10
1240		107	10 pr
1241		128	25
1242		127	50
1243		125	10
1244		113	5
1245		99	5
1246		108	10
1247		123	10
1249		130	50
1250	3" & 4 1/2"	104	10
1250	6"	104	5
1253		106	10 pr.
1255	#1	128	25
1255	#2	128	10
1256		125	25
1257		106	10 pr.
1261		125	25
1262		114	10 pr.
1263		114	10 pr.
1267		115	10 pr.
1268		115	10 pr.
1269		115	10 pr.
1271		70	10 pr.
1275		100	10
1277		128	25
1285		114	10 pr.
1286		114	10 pr.
1287		140	20
1288		128	25
1289		132	25
1292		106	10 pr.
1293		146	5 pr.
1296		128	25
1297		120	10
1298		120	10
1299		108	10
6400		101	10

\*Minimum Quantity



## COMBINATION BOW LIGHTS

Zamak Die Castings – Chromium Plated  
 Red and Green Fresnel Lenses  
 Delrin Non-Corrosive D. C. Electric Socket  
 Complete with 12 Volt 6 C. P. Bulb  
 Wired Ready For Splicing

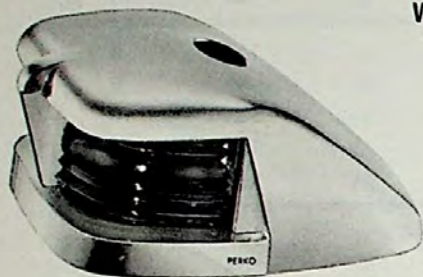


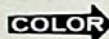
Fig. 1215

### THE "FUTURA"—Fig. 1215

Smooth Attractive Styling Compatible With Our Deck Ventilators – Figs. 866,867, etc.  
 Invisible Mounting Holes in Base,  
 Assembled With One Bolt Inside Staff Socket.

Each	Height Inches	Width Inches	Length Inches	Staff Socket Inches	Weight Pounds
\$8.25	2-3/8	3-3/4	5-1/2	3/4	1-1/4

Spare Lenses – Specify Fig. 251, \$1.05 each.



AVAILABLE IN COLORS, SEE ACRY-COLOR SECTION.

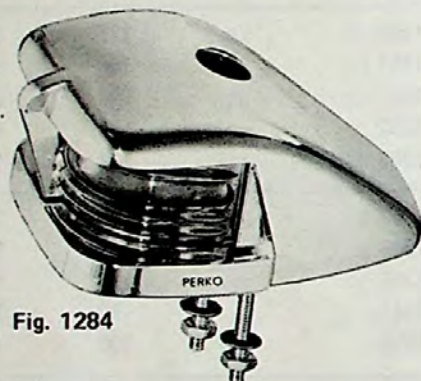


Fig. 1284

### THE "FUTURA"—STUDED—Fig. 1284

With two 12–24 Studs Projecting 2 Inches  
 Complete With Washers and Hex. Nuts.

Each	Height Inches	Width Inches	Length Inches	Staff Socket Inches	Weight Pounds
\$8.80	2-3/8	3-3/4	5-1/2	3/4	1-5/16

Spare Lenses – Specify Fig. 251, \$1.05 each.

### THE "HEFTY"—Fig. 1217

A Hefty Light For a Sturdy Boat – They Go Together.

Each	Height Inches	Width Inches	Length Inches	Staff Socket Inches	Weight Pounds
\$8.25	3-3/8	3-5/8	6-3/4	3/4	1-3/8

Spare Lenses – Specify Fig. 259-AP, \$1.05 each.

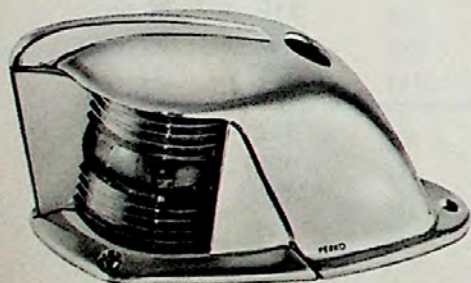


Fig. 1217

### THE "ROCKET"—Fig. 1260

Always a Popular Light With That Clean Forward Look. Invisible Mounting Holes.

Each	Height Inches	Length Overall Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
\$7.75	2-3/8	9-3/4	1-1/2	3/4	1-3/8

Spare Lenses – Specify Fig. 251, \$1.05 each.



Fig. 1260

### SPARE PARTS FOR PAGE

Spare Delrin Sockets Fig. 24, \$.75 each.  
 Spare bulbs, see Fig. 337 No. 11 \$.28 each.  
 Flag Staffs, for Figs. 1215, 1217, 1284 see Fig. 1230. \$3.50 each.  
 Flag Staff for Fig. 1260 see Fig. 1239, \$3.95 each.



## COMBINATION BOW LIGHTS

Zamak Die Castings — Chromium Plated — Red and Green  
Fresnel Lenses — Delrin Non Corrosive D.C. Electric  
Socket — Complete with 12 Volt 6 C.P. Bulb — Wired Ready  
for Splicing

### THE "RANGER"—Fig. 1218

Always a popular light for small boats, it has a top rebulbing feature.

Each	Height Inches	Size Base Inches	Height Lens Inches	Staff Socket Inches	Weight Pounds
\$7.50	3-3/8	6-1/4x3-7/8	2-1/2	3/4	3/4

Spare Lenses, Specify Fig. 259-AP, \$1.05 each.

AVAILABLE IN SKIN PACK, SEE SKIN PACK SECTION.



Fig. 1218  
"RANGER"



### THE "GUIDE"—Fig. 1202

Has invisible mounting holes in base. Light quickly assembled with one bolt inside staff socket.

Each	Height Inches	Width Inches	Length Inches	Staff Socket Inches	Weight Pounds
\$9.60	2-3/4	7-1/2	5	3/4	1-5/8

Spare Lenses, Specify Fig. 273, \$1.05 each.



Fig. 1202  
Without Base Flange



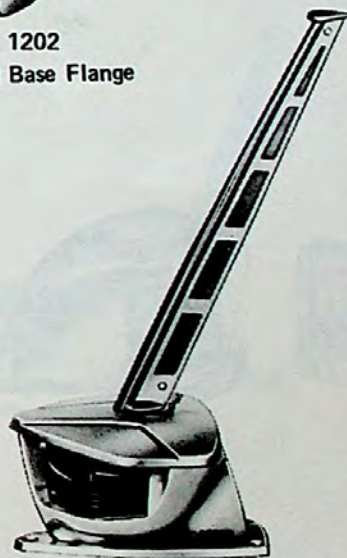
### THE "GUIDE"—Fig. 1203

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

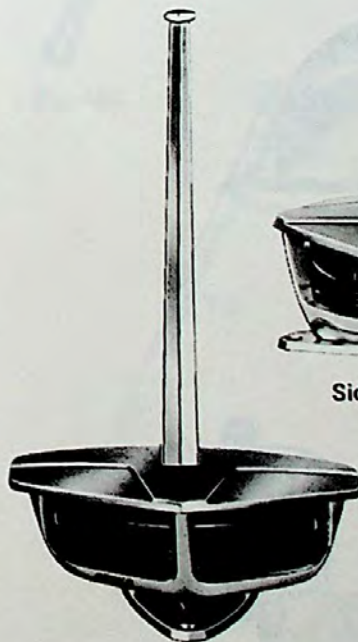
Each	Height Inches	Width Inches	Length Inches	Staff Socket Inches	Weight Pounds
\$10.60	3	7-1/2	5-3/4	3/4	1-3/4

Spare Lenses, Specify Fig. 273, \$1.05 each.

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



Side View



Front View

Fig. 1203  
With Base Flange

### SPARE PARTS FOR PAGE

- Spare Delrin Sockets, Fig. 24, \$.75 each.
- Spare Bulbs, see Fig. 337 No. 11, \$.28 each.
- Flag Staff for Fig. 1218, see Fig. 1230, \$3.50 each.
- Flag Staff for Figs. 1202 and 1203, see Fig. 1239, \$3.95 each.
- Spare rebulbing feature for Fig. 1218, consisting of plate and D. C. Socket, \$1.95 each.



Fig. 1146  
"LITTLE JOE"

"LITTLE JOE" COMBINATION BOW LIGHT—Fig. 1146  
Zamak Die Casting — Chromium Plated — With 12 Volt, 6  
C.P. Bulb

Each	Height Inches	Base Inches	Height Lens Inches	Staff Socket Inches	Weight Ounces
\$6.00	2-1/4	4-3/8x2-3/8	1-7/8	1/2	7

Spare miniature bayonet socket, \$.70 each.  
Spare lenses, Specify Fig. 232, \$1.05 each.  
Spare bulbs, see Fig. 56 No. 4, \$.50 each.  
Flag staff, see Fig. 495. Size No. 1

Available in Skin Pack. See Skin Pack Section.

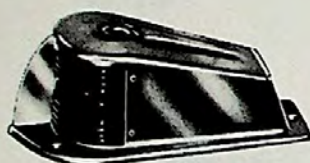


Fig. 1160  
"SALTY"

"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
\$13.75	3	8	4-3/4	2-1/2	5/8

Spare lenses, Specify Fig. 259-AP, \$1.05 each.  
Spare electric socket, \$1.05 each.



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
\$11.25	3-1/2	6-1/4x3-7/8	2-1/2	3/4	1-1/8

Spare lenses, Specify Fig. 259-AP, \$1.05 each.  
Spare bulb, see Fig. 56, 1.3 volts, \$.75 each.



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
\$12.00	4-3/4	2-3/4	2-1/2	3/8

Spare lenses, Specify Fig. 259-AP, \$1.05 each.  
Spare electric socket, \$1.20 each.



### 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
\$3.95	12	3/4	10

Standard package 10 pieces.



### 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
\$3.50	14	3/4	8

Standard package 10 pieces

Also available in Skin Pack. See Skin Pack Section.

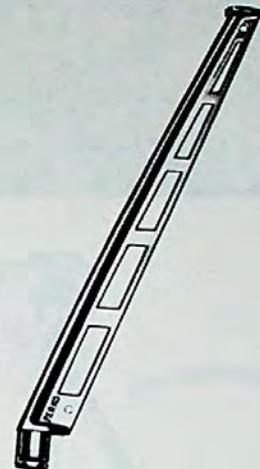


Fig. 1239



Fig. 1230



### FLAG STAFF—Fig. 495

Brass Tubing — Chromium Plated

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

No.	Each	Length Inches	Diam. Base Inches	Weight Ounces
1	\$4.95	14	1/2	3
2	5.50	14	3/4	4
3	5.80	18	3/4	5

Standard package 10 pieces.



### WOOD FLAG STAFF—Fig. 496

Solid Mahogany — Varnished

No.	Each	Length Overall Inches	Diam. Base Inches	Weight Ounces
2	\$ 4.50	14	3/4	2-1/2
3	5.00	18	3/4	3-1/2
4	5.65	18	1	5
5	6.25	24	1	6
6	9.25	30	1-1/4	9-1/2
7	11.25	36	1-1/4	14
8	15.00	48	1-1/4	27

With brass ferrule, add \$1.15 each.

With chromium ferrule, add \$1.50 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.	Each	Length Overall Inches	Diameter Pole Inches	Dimensions Base Inches	Weight Pounds
2	\$10.25	24	3/4	3-3/8x2-1/4	3/4
3	10.75	30	3/4	3-3/8x2-1/4	7/8

NEW

### CLAMP-ON FLAG STAFF SOCKET — Fig. 1302

Zamak Die Casting — Chromium Plated

Clamp will fit rails from 1/2" to 7/8" Diameter.

Socket is 3/4" I.D. and will accommodate above staffs Fig.495

Nos. 2 and 3, Fig. 496 Nos. 2 and 3 or Fig. 1239.

Each	Dimensions Inches	Knob Inches	Weight Ounces
\$5.90	2 x 1-3/4	1-3/4	11



Fig. 495



Fig. 496



Fig. 580

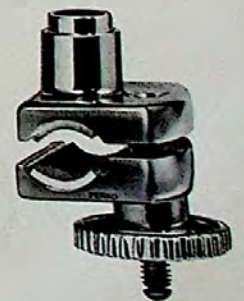
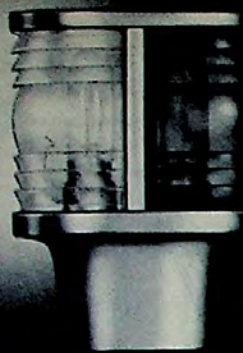


Fig. 1302

BUY STANDARD PACKAGES



As a 20 point Bow Light

## COMBINATION BOW

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

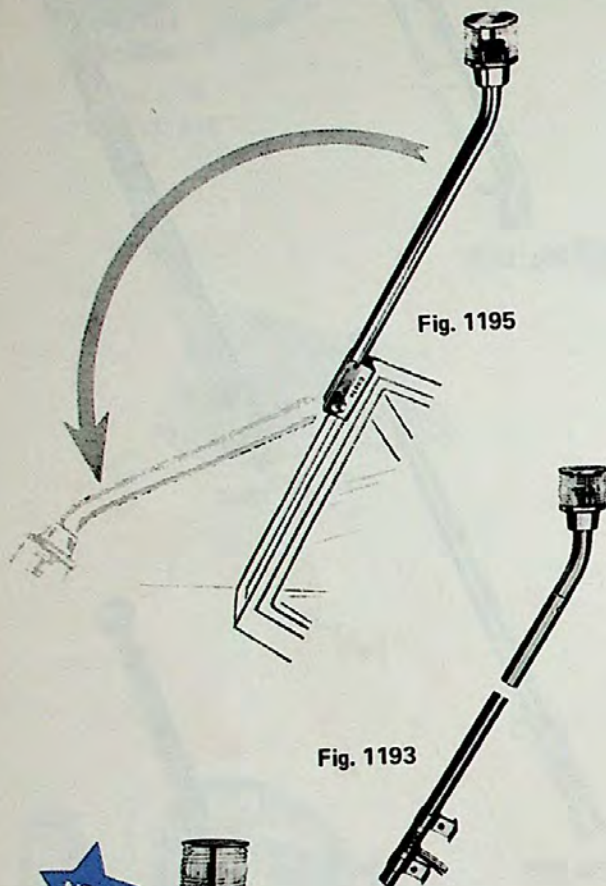


Fig. 1195

Fig. 1193

### 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
\$21.75	20	1-11/16 x 3	3/4	7/8

Glare Shield for above, see Fig. 1192.

### PULL-APART ASSEMBLY – Fig. 1193

For Windshield Mounting – Brass Pole – Chromium Plated – Stainless Steel Mounting Brackets – 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	\$24.00	16	1	3/4	1-1/4
3	30	25.00	16	1	3/4	1-1/2

Glare Shield for above, see Fig. 1192.

### NEW CLAMP - ON ASSEMBLY – Fig. 1301

For Convertible Top Mounting – Brass Pole – Chromium Plated – Complete with 2 Bulbs, 12 Volt.

Large Knob for easy installation or removal. Adjustable to fit tubing 1/2" to 1".

Each	Height Above Clamp Inches	Weight Pounds
\$14.00	7-1/2	1



Fig. 1301



Fig. 1196

### 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	\$11.20	6	3 x 2	3/4
2	12.20	12	3 x 2	1

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

LENGTHS OTHER THAN ABOVE, SUPPLIED TO ORDER ONLY, PRICE AND DELIVERY ON APPLICATION, IN MANUFACTURING QUANTITY.



# AND ANCHOR LIGHTS

This unit saves time and money for builders and do-it-yourself owners. The light is completely wired and color coded for three position switch. Bulbs are 12 volt miniature bayonet type readily obtainable at auto and marine supply stores.

This combination bow and anchor light feature can be supplied immediately in the products appearing below. Other assemblies to meet specific requirements can be made to order.

Patent No. 3344264

As a 32 Point Anchor Light



## FOLD DOWN

**VARIABLE ANGLE ASSEMBLY – Figs. 1181, 1182 & 1184**  
**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. Bracket is serrated to hold desired angle.

Complete Each	Brackets Only Each	Height Overall Inches	Diameter Tubing Inches	Weight Ounces
\$14.25	\$1.35	13-1/2	3/4	13

Fig. 1181 for flat windshield or horizontal frame, dimensions, Width (A), 2" – Height (B), 5/8".

Fig. 1182 for V-type windshield. Dimensions, Width (A), 2" – Height (B), 5/8".

Fig. 1184 for flat or V-type center posts of windshield, dimensions, Width (A), 5/8" – Height (B), 2-1/4".



Fig. 1181



Fig. 1182



Fig. 1184

## MAST ASSEMBLY – Fig. 1183

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

Each	Height Inches	Diameter Base Inches	Weight Ounces
\$9.45	2-3/4	1-15/16	8



Fig. 1183

## MAST ASSEMBLY – Fig. 1197

**For Mounting Into Masthead or Over a Staff – Brass Mounting Tube – Chromium Plated – Complete with Two 12 Volt Bulbs**

Each	Height Overall Inches	O.D. Tubing Inches	Length Tubing Inches	Weight Ounces
\$7.25	3-1/2	3/4	1	6



Fig. 1197

## 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
\$1.50	4-5/8 x 3-3/8	1-1/4

**NOTE**—This shield cannot be supplied with Figs. 1183 and 1196 except in manufacturing quantities.

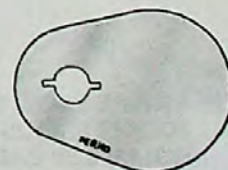
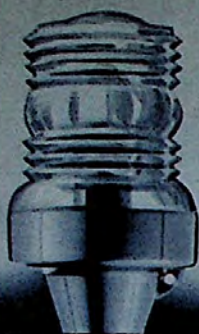


Fig. 1192

Spare lenses for all above lights, Specify Fig. 278, \$.65 each.  
 Spare Electric Sockets, Miniature Bayonet, \$1.05 each.  
 Three Position Switches, see Fig. 366.



## STERN POLE LIGHTS FOR DECK MOUNTING

TO COMPLY WITH INLAND RULES ON "WHITE LIGHT AFT"

HIGH INTENSITY FRESNEL GLOBES, 3/4" DIAMETER POLE, CAST METAL BASE AND GLOBE HOLDER ALL DUAL CHROMIUM PLATED\*, DELRIN NON-CORROSIVE D.C. ELECTRIC SOCKET. WITH 12 VOLT, 6 C.P. BULB - WIRED.

FIGS. 1233, 1233AC AND 1294

Fig. 1233 Has Brass Pole, Chromium Plated

Fig. 1233 AC Has Anodized Aluminum Pole

Fig. 1294 Has Brass Pole, Chromium Plated

Bases and Globe Holders are Zamak Die Castings

Fig. 1233 and 1233 AC. Base, Length 3-3/4", Width 2-1/8"

Fig. 1294 Base, Length 3-3/4", Width 1-5/8"

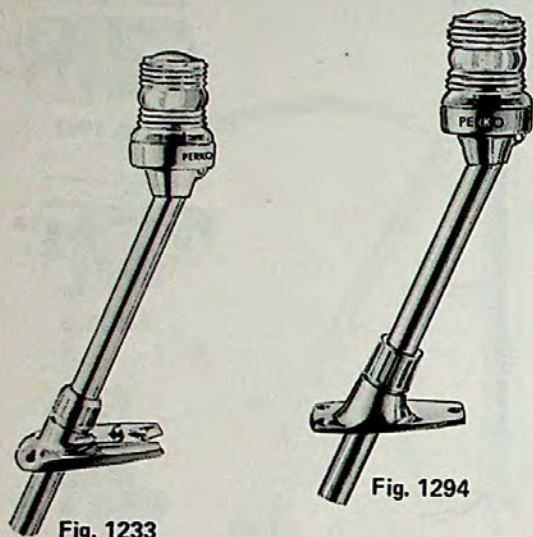


Fig. 1233

Fig. 1233 AC

Fig. 1294



Size No.	Maximum Length Inches	FIG. 1233 Each	FIG. 1233AC Each	FIG. 1294 Each	Weight Pounds
1	20	\$11.00	\$7.00	\$11.00	1-1/8
2	24	11.65	7.40	11.65	1-1/4
3	30	12.70	8.00	12.70	1-1/2
4	36	13.75	8.60	13.75	1-3/4

FIG. 1233 AC. AVAILABLE IN COLORS, SEE ACRY-COLOR SECTION.

### FIG. 645 - ALL BRASS

Has Silicon Bronze Globe Holder and Base, Brass Pole, All Polished Chromium Plated.

Base, Length 3 3/4", Width 1 5/8"

Size No.	Maximum Length Inches	Each	Weight Pounds
1	20	<del>\$15.35</del>	1-1/8
2	24	16.00	1-1/4
3	30	17.05	1-1/2
4	36	18.10	1-3/4

### FIG. 1209 - REMOVABLE - ALL BRASS

Silicon Bronze Globe Holder, Brass Pole and Base, All Polished Chromium Plated.

Has Two Prong Electric Plug in bottom of Pole for Electric Socket in Base. Pole is instantly removable for stowing away.

Connections are tight friction type, no springs.

Supplied with Bronze Cap for Base when Pole is removed.

Base, Length 3-3/8", Width 2-1/4".

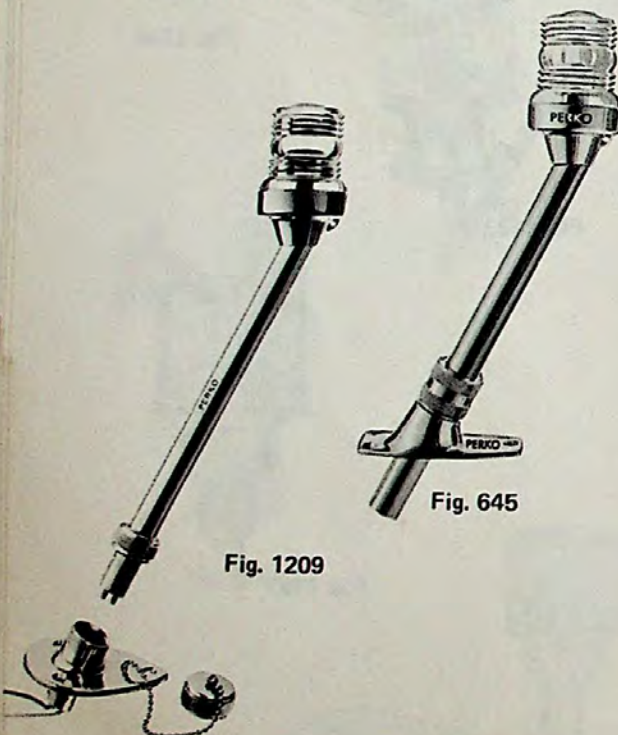


Fig. 1209

Fig. 645

Size No.	Length Overall Inches	Each	Weight Pounds
1	20	\$18.35	7/8
2	24	19.00	1
3	30	20.05	1-1/4
4	36	21.10	1-1/2

NOTES-ENTIRE PAGE, SPARE GLOBES SEE FIG. 248-P. SPARE DELRIN ELECTRIC SOCKETS, \$1.25 EACH. SPARE BASES, \$4.95 EACH. SPARE BULBS, FIG. 337 NO. 11, \$.28 EACH.

\*DUAL CHROMIUM PLATING MEANS, TWO COATS OF COPPER, ONE COAT OF NICKEL AND TWO COATS OF CHROMIUM.



FIG. 1206

Base and Globe Holder Are Zamak Die Castings. Delrin Non-Corrosive D.C. Electric.  
 Pole is Brass, All Chromium Plated  
 Globe has Magnified Section for Higher Intensity and Greater Distance.  
 Base, Length 3-3/4", Width 2-1/8"

No.	Maximum Length Inches	Each	Weight Pounds
1	20	\$12.00	1-1/8
2	24	12.65	1-3/8
3	30	13.70	1-3/4
4	36	14.75	2

Flag Pole Socket only \$4.95 each – Spare Electric Sockets, \$1.25 each, Spare Globes, Specify Fig. 229, \$.85 each.



### TELESCOPING TYPE—Fig. 1148

Base and Globe Holder are Zamak Die Castings.  
 Delrin Non-Corrosive D.C. Electric.  
 Features Same as Fig. 1206 Above.

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
\$19.25	3/4	3-3/4 x 2-1/8	2



### ALL BRASS—Fig. 609

Every Metal Part of this Light is Brass. Supplied with Connector.  
 The Globe is High Intensity Fresnel.

No.	Maximum Length Inches	Chromium Plated Each	Weight Pounds
1	20	\$17.75	1-1/4
2	24	18.40	1-1/3
3	30	19.45	1-1/2
4	36	20.50	1-3/4

Spare Globes, see Fig. 604-P.  
 Flag Pole Socket only \$4.95 each.



### HALYARD EYES—Figs. 234 & 235

For Metal Flag Poles – White Nylon

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

Fig. 234, \$.17 each.  
 Fig. 235, \$.65 each.  
 Standard Package, – 20 pieces.



Fig. 1206



Fig. 1148



Fig. 609



Fig. 234



With Brass Snap  
Fig. 235



## POLE LIGHTS FOR WINDSHIELD MOUNTING 360 DEGREE CLEAR OR WHITE LIGHT – FOLD DOWN TYPE

### FOLD DOWN

VARIABLE ANGLE ASSEMBLY—Figs. 1134, 1135 & 1137

Die Cast Zamak Base and Globe Holder – Brass Pole – Chromium Plated – Complete with 12 Volt, 6 C.P. Bulb

This light can be adjusted to suit any probable angle of windshield or top. Bracket is serrated to hold desired angle. Electric socket is our Delrin Non-Corrosive type.

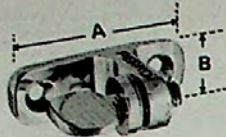
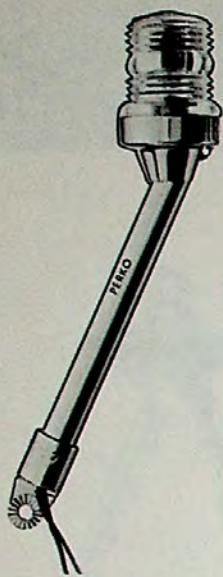


Fig. 1134



Fig. 1135



Fig. 1137

Each	Brackets Only Each	Height Overall Inches	Diameter Tubing Inches	Weight Ounces
\$9.00	\$1.50	13-1/2	3/4	13

Fig. 1134 for flat Windshield or Horizontal Frame. Dimensions, Width (A) - 2", Height (B) - 5/8".

Fig. 1135 for V-type Windshield.

Dimensions, Width (A) - 2", Height (B) - 5/8".

Fig. 1137 for flat or V-type Center Posts of Windshield. Dimensions, Width (A) - 5/8", Height (B) - 2-1/4".

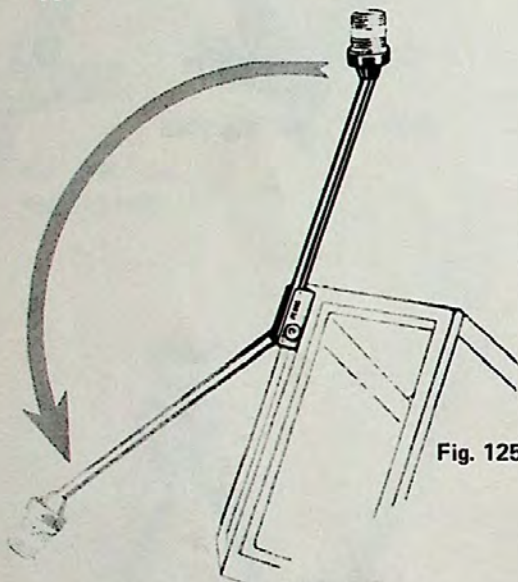


Fig. 1258

### FIG. 1258

For Flat or V-Type Windshield

Zamak Globe Holder – Brass Pole – Chromium Plated  
Stainless Steel Mounting Bracket – Delrin Non-Corrosive  
D.C. Socket – Complete with 12 Volt, 6 C.P. Bulb

Each	Length Overall Inches	Mounting Bracket Inches	Weight Pounds
\$15.70	20	1-1/16 x 3	7/8

NEW

### CLAMP-ON ASSEMBLY – Fig. 1211

For Convertible Top Mounting – Brass Pole – Chromium Plated – Delrin Non-Corrosive D.C. Socket.

Large Knob For Easy Installation or Removal. Adjustable To Fit Tubing 1/2" to 1".

Each	Height Above Clamp Inches	Weight Pounds
\$13.50	7-1/2	1

NEW



Fig. 1211

### SPARE PARTS

Spare Globes see Fig. 248-P.

Spare Electric Sockets for all above, \$1.25 each.



### POLE LIGHT—Fig. 687

For Windshield or Transom Mounting — Chromium Plated  
1-3/4 Inch Fresnel Globe — Stainless Steel Brackets —  
With 12 Volt, 6 C.P. Bulb — Delrin Non-Corrosive D.C.  
Electric Socket

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	\$12.00	7/8
2	24	12.65	1
3	30	13.65	1-1/8



Fig. 687



### "PULL-APART" POLE LIGHT — Fig. 658

For Windshield Mounting — Chromium Plated — With 12  
Volt, 6 C.P. Bulb — Stainless Steel Brackets — Delrin Non-  
Corrosive D.C. Electric Socket

Complete with two mounting brackets, glare shield and  
waterproof 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. Wired ready for installation.

No.	Length Overall Inches	Each	Weight Pounds
2	24	\$17.20	1-1/4
3	30	18.25	1-1/2
4	36	19.25	1-3/4

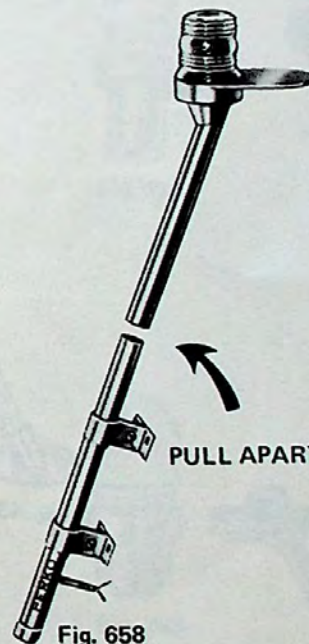


Fig. 658



### INTERNATIONAL SHIELDS—Figs. 507 & 508 Heavy Gauge Plastic

For use with all lights using the 1-3/4 inch or 2-1/2 inch globe,  
Figs. 248-P and 250.

Each \$2.90



225° Bow Shield  
Fig. 507



135° Stern Shield  
Fig. 508



## STERN OR ANCHOR LIGHTS FOR TOP OR MAST MOUNTING

360 DEGREE CLEAR OR WHITE LIGHT  
DELRIN NON-CORROSIVE D.C. ELECTRIC SOCKET



Fig. 404



Fig. 422



Fig. 455



Fig. 438

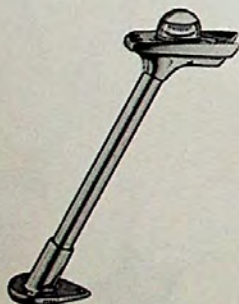


Fig. 421



Fig. 966

### HIGH INTENSITY TYPE—Fig. 404

All Brass — Chromium Plated

Each	Height Inches	Diameter Globe Inches	Diameter Base Inches	Weight Ounces
\$10.00	3-1/2	1-1/2	2-3/8	7

Spare Globes, see Fig. 604-P.

### STANDARD TYPE—Fig. 422

All Brass — Chromium Plated

No.	Each	Height Inches	Diameter Globe Inches	Diameter Base Inches	Weight Ounces
1	\$10.65	6	1-3/4	2-3/8	7
3	12.65	12	1-3/4	2-3/8	15

Spare Clear Globes, see Fig. 248-P.

With Colored Globes, Fig. 250, add \$2.20 each.

### ECONOMY TYPE—Fig. 455

Die Cast Zamak — Chromium Plated

No.	Each	Height Inches	Diameter Globe Inches	Size Base Inches	Weight Ounces
1	\$7.25	6	1-3/4	3x2-1/8	12
2	7.85	9	1-3/4	3x2-1/8	15

Spare and Colored Globes, see above.

### STANDARD STREAMLINE TYPE—Fig. 438

All Brass — Chromium Plated

Each	Height Inches	Diameter Globe Inches	Size Base Inches	Weight Ounces
\$11.20	6	1-3/4	3-3/8x2-1/4	6

Spare and Colored Globes, see above.

### TRUE-BEAM TYPE—Fig. 421

Die Cast Zamak Top and Base — Brass Tubing — Chromium Plated — Magnifying Globe for High Intensity

Each	Height Inches	Diameter Globe Inches	Size Base Inches	Weight Ounces
\$9.65	12	1-1/2	3x2-1/8	16

Spare Globes, See Fig. 229.

### STAINLESS STEEL TYPE—Fig. 966

18-8 No. 304 S.S. — Polished with Clear High Intensity Magnifying Globe

Each	Height Inches	Diameter Globe Inches	Diameter Base Inches	Weight Ounces
\$9.00	6	1-1/2	2-1/2	6

Spare Globes, See Fig. 74-P.



### POLE LIGHT—Fig. 491

Brass — Chromium Plated — Clear Fresnel Globe — Double Contact Socket

No.	Each	Diameter Globe Inches	Height Overall Inches	I.D. Neck Inches	Weight Ounces
1	\$8.00	1-3/4	5	3/4	5
2	8.60	2-1/2	5-1/4	3/4	14

Spare Globes No. 1, see Fig. 248-P.  
Spare Globes No. 2, see Fig. 250.



Fig. 491

### MAST LIGHTS—Figs. 362 & 371

Pressure 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	Chromium Plated Each	Diam. Globe Inches	Height Overall Inches	Diam. Base Inches	Wt. Lbs.
362	\$10.75	\$12.50	1-3/4	3-1/4	2-1/8	1/2
371	\$9.50	\$11.50	1-3/4	2-7/8	2-1/8	3/8

Spare Clear Globes see Fig. 248-P  
With Red, Green, or Blue Globe, add \$2.20 each. See Fig. 250.



Fig. 362



Fig. 371

### POLE OR MAST LIGHT—Fig. 428

All Brass — Chromium Plated — Threaded Fresnel Globe Bayonet Double Contact Socket

Each	Diam. Neck Inches	Height Overall Inches	Weight Pounds
\$9.60	1-1/4	4-1/4	1/2

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



Fig. 428

### MAST AND YARDARM LIGHT—Fig. 103

Cast Bronze — Plain — Clear Fresnel Globe — Medium Screw Socket

Threaded for 1/2 inch pipe. Will accommodate 15 watt 2-1/8 inch diameter bulb.

Each	Height Overall Inches	Diam. Globe Inches	Wt. Lbs.
\$12.90	6	3	2

Spare clear globes fig. 249, \$3.85 each.  
Spare sockets fig. 222, -No. 1, \$1.10 each.  
With double contact socket fig. 276, add \$1.10 each.



Fig. 103

### MAST LIGHTS—Figs. 488 & 489

Cast Bronze — Plain — Clear Fresnel Globe — Medium Screw Socket

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

Each	Height Overall Inches	Diam. Base Inches	Size Globe Inches	Opening in Globe Inches	Wt. Lbs.
\$11.50	6	2-5/8	5-1/2x2-5/8	1-7/8	1

Spare clear globes fig. 77, \$3.30 each.  
With red, green or blue globe, add \$1.35 each.  
Spare electric sockets see Fig. 222.



Fig. 488



Fig. 489

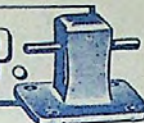


Fig. 112

### STERN OR ANCHOR LIGHTS—Fig. 112

Cast Bronze — Plain — 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.

Each	Height Overall Inches	Diam. Base Inches	Size of Globe Inches	Weight Pounds
\$18.40	8-3/4	3-1/8	5 x 3-1/2	3-3/4



### STERN OR ANCHOR 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.



Fig. 375

Plain Bronze Each	Chromium Plated Each	Spare Lens Fig. 261 Each	Spare Socket Fig. 52 Each	Height Overall Inches	Diam. Base Inches	Diam. Body Inches	Height Lens Inches	Weight Pounds
\$24.00	\$32.00	\$3.55	\$.60	7	3-1/2	3-1/2	3-5/16	2-3/4



### MAST LIGHTS—Fig. 521

Cast Bronze

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



Fig. 521

Plain Bronze Each	Chromium Plated Each	Spare Lens Fig. 261 Each	Spare Socket Fig. 52 Each	Height Overall Inches	Diam. Body Inches	Height Lens Inches	Inside Length Neck Inches	Inside Diam. Neck Inches	Weight Pounds
\$19.50	\$26.00	\$3.55	\$.60	6-3/4	3-1/2	3-5/16	2-1/2	1-1/4	2



### 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	Height Overall Inches	Size Globe Inches	Tapped for Pipe Size Inches	Wt. Lbs.
145	\$24.00	7-3/8	5x3-1/2	1/2	3-1/4
309	15.00	6-1/2	5x3-1/2	1/2	2-1/2



### SPARE PARTS - ENTIRE PAGE

Spare clear globes for Figs. 112, 145, 309, \$4.60 each.

Figs. 112, 145, 309 with red, green, blue or amber globes, add \$2.50 each.

Figs. 375, 521 with red, green, blue or amber lens, add \$2.20 each.

Spare medium screw sockets for Figs. 112, 145, 309, \$1.10 each.

Figs. 112, 145, 309 with D.C. Socket, add \$1.10 each.

Figs. 375, 521 with medium screw socket, add \$2.50 each.

Spare guards for Fig. 145, \$8.65 each.

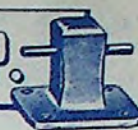


Fig. 309  
without Guard



Fig. 145  
with Cast Guard





## HIGH INTENSITY SIDE LIGHTS WITH FRESNEL LENSES — Fig. 955

18-8 No. 304 Stainless Steel — Polished with Non-Corrosive D.C. Bayonet Socket and Stainless Steel Screws. Red and Green Lenses. Meets U.S.C.G. and International Rules of 10 Points, 112-1/2 Degrees. Equipped with 12 Volt 6 C.P. Bulb Installed 1 Mile Visibility

Fresnel lenses have been proven to be far superior to other types in marine use.

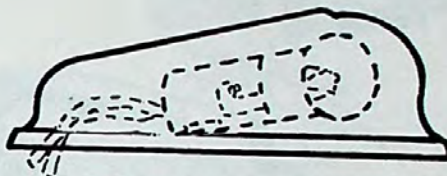
This light has been produced to meet the U.S.C.G. visibility requirements while retaining its small compact size.

Per Pair	Length Inches	Width Inches	Depth Inches	Weight Per Pair Ounces
\$13.75	4-1/8	2-1/4	1-1/2	6

Spare lenses, \$.70 each. Specify Fig. 283.  
Spare Sockets, \$.75 each.



Fig. 955



END VIEW OF REAR AND OUTLINE OF SOCKET INSTALLATION. DRILL SMALL HOLE FOR WIRE ONLY.

## HIGH INTENSITY STERN LIGHTS — Fig. 939

18-8 No. 304 Stainless Steel — Polished — 12 or 32 Volts  
12 Points — 135 Degrees — Clear Lens

For Flush Mounting in Transom  
Visibility Rating 2 Miles  
Complete with Bulb and Neoprene Installation gasket.

No.	Voltage	Each	Dimensions Overall Inches	Depth Inches	Weight Pounds
1	12	\$13.00	5-3/16 x 3-3/8	1-1/2	1-1/2
2	32	13.50	5-3/16 x 3-3/8	1-3/4	1-1/2

Spare Bulbs, #1 — \$.60 each, #2 — \$.75 each.  
Spare lens with gasket, \$.85 each, Specify Fig. 284.  
Spare Nylon Socket assembly, #1 — \$1.00 each, #2 — \$.75 each.  
Spare Installation Gasket, \$.55 each.

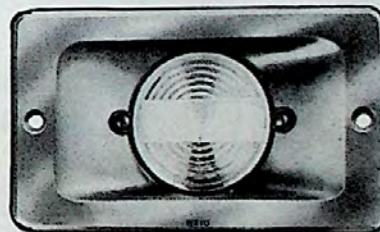


Fig. 939

NEW

## “SEA FAREER” TRANSOM STERN LIGHT — Fig. 946

18-8 No. 304 Stainless Steel — Polished — 12 or 32 Volts  
12 Points — 135 Degrees — Clear Lens

Round “Flush” Design for Easy Mounting  
Complete with Bulb and Gasket for Installation.

No.	Voltage	Each	Diameter Inches	Depth Inches	Weight Pounds
1	12	\$8.00	3	1-3/4	3/8
2	32	8.50	3	1-3/4	3/8

Spare Bulbs, #1 — \$.28 each, #2 — \$.75 each.  
Spare Lens with Gasket, \$.85 each.  
Spare Socket, \$.75 each.  
Spare Installation Gasket, \$.55 each.



Fig. 946



## STAINLESS STEEL INTERNATIONAL NAVIGATION LIGHTS

18-8 NO. 304 STAINLESS STEEL – POLISHED  
 DOUBLE CONTACT BAYONET TYPE ELECTRIC SOCKET  
 WITH STAINLESS STEEL SELF TAPPING SCREWS FOR MOUNTING



Fig. 902

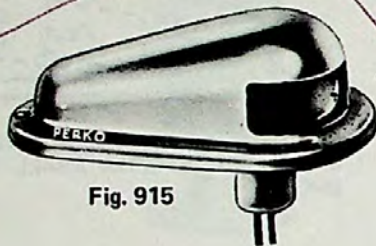


Fig. 915



Fig. 903



Fig. 904

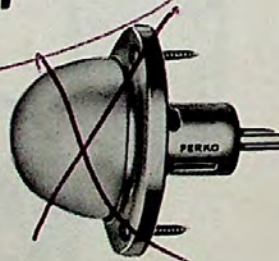


Fig. 943

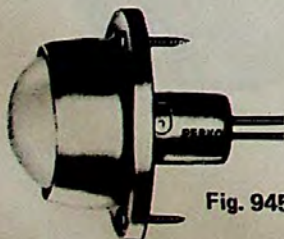


Fig. 945

### SIDE LIGHTS—Fig. 902

10 Points 112-1/2 Degrees – Red and Green Lenses

For mounting on side of deck house or hull.

Per Pair	Length Inches	Width Inches	Depth Inches	Weight Per Pair Ounces
\$14.00	4	2-1/8	1-1/2	7



### SIDE LIGHTS—Fig. 915

10 Points – 112-1/2 Degrees – Red and Green Lenses

For Mounting on Deck or Top of Deck House

Per Pair	Length Inches	Width Inches	Depth Inches	Weight Per Pair Ounces
\$14.00	4	2-1/8	1-1/2	7



### BOW LIGHT—Fig. 903

20 Points – 225 Degrees – Clear Lens

Each	Length Inches	Width Inches	Height Inches	Weight Ounces
\$7.00	4	2-1/8	1-1/2	3-1/2



### COMBINATION BOW LIGHT—Fig. 904

20 Points – 225 Degrees – Red and Green Lenses

Each	Length Inches	Width Inches	Height Inches	Weight Ounces
\$8.00	4	2-1/8	1-1/2	3-1/2



### BOW LIGHT—Fig. 943

20 Points – 225 Degrees – 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
\$5.75	1-3/8	2-1/4	3/4	7/8	3



### TRANSOM STERN LIGHT—Fig. 945

12 Points – 135 Degrees – Clear Lens

Each	Height of Light Inches	Diameter of Base Inches	Diameter of Neck Inches	Length Neck Inches	Weight Ounces
\$5.75	1-3/8	2-1/4	3/4	7/8	3



Spare Globes, Clear, Red or Green (Fig. 74-P) \$.85 Each.

Spare D.C. Sockets (Fig. 52) \$.60 Each.

Spare Red and Green Special Globe for Fig. 904—\$1.45 Each, Specify Fig. 296

6 C.P. Bulbs recommended for above lights.



## STAINLESS STEEL INTERNATIONAL NAVIGATION LIGHTS

18-8 NO. 304 STAINLESS STEEL — POLISHED  
DOUBLE CONTACT BAYONET TYPE ELECTRIC SOCKET  
WITH STAINLESS STEEL SELF TAPPING SCREWS FOR MOUNTING

Height Light Inches	Diameter Base Inches	Diameter Neck Inches	Length Neck Inches	Weight Each Ounces
1-3/8	2-1/4	3/4	7/8	3

### SIDE LIGHTS—Fig. 962

10 Points — 112-1/2 Degrees — Colored Lenses

For mounting on side of deck house or hull.

\$11.25 Per Pair

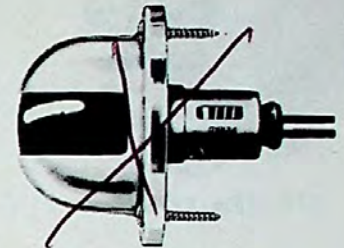


Fig. 962

### SIDE LIGHTS—Fig. 963

10 points—112½ Degrees—Colored Lenses

For mounting on deck or top of deck house.

\$11.25 Per Pair

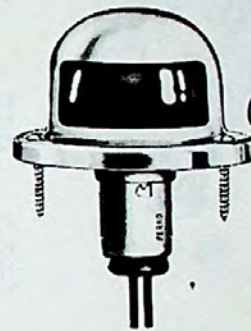


Fig. 963

### BOW OR MASTHEAD LIGHT—Fig. 964

20 Points — 225 Degrees — Clear Lens

\$5.60 Each

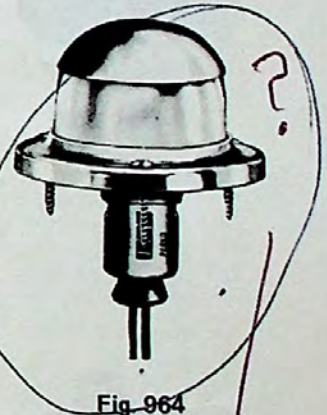


Fig. 964

### STERN LIGHT—Fig. 965

12 Points — 135 Degrees — Clear Lens

\$5.60 Each

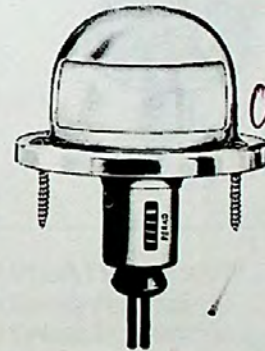


Fig. 965

### BOW LIGHT—Fig. 944

20 Points — 225 Degrees — Clear Lens  
Height Overall 6". Diameter Base 2-1/2". Weight 6 oz.

\$9.00 Each

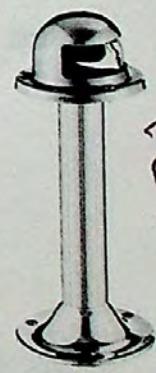


Fig. 944

### COMBINATION BOW LIGHT—Fig. 972

20 Points — 225 Degrees — Red and Green Lenses

\$6.35 Each



Fig. 972

Spare Globes, Clear, Red or Green (Fig. 74-P) \$.85 Each  
Spare D.C. Sockets (Fig. 52) \$.60 Each  
Spare Red and Green Special Globe for Fig. 972—\$1.45 Each.  
Specify Fig. 296.  
6 C.P. Bulbs recommended for above lights.



## ZAMAK INTERNATIONAL NAVIGATION LIGHTS

ZAMAK DIE CASTINGS – CHROMIUM PLATED  
DOUBLE CONTACT BAYONET TYPE ELECTRIC SOCKETS  
WATERTIGHT

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. 1280



Fig. 938



Fig. 1279



Fig. 1281



Fig. 1282



Fig. 1283

### SIDE LIGHTS—Fig. 1278

10 Points – 112-1/2 Degrees  
Colored Lenses 1 Red and 1 Green

### BOW OR MASTHEAD LIGHTS—Fig. 1279

20 Points – 225 Degrees – Clear Lens

### STERN LIGHTS—Fig. 1280

12 Points – 135 Degrees – Clear Lens

Fig.	Per Pair	Each	Length Overall Inches	Width Overall Inches	Weight Pounds	Weight Per Pair Pounds
1278	\$13.60		4-7/8	2-5/8	1	2-1/4
1279		\$7.70			1	
1280		7.70			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 – Clear Lens

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

### MOUNTING BASE—Fig. 938

For International Lights – Brass

Plain Each	Chromium Plated Each	Diam. Overall Inches	Pipe Thread Inches	Weight Ounces
\$3.00	\$4.50	2-3/8	1/2	3

### ADJUSTABLE LIGHTS

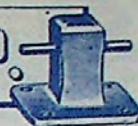
Fig. 1282 Bow Light & Fig. 1283 Stern Light

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
\$18.00	2-1/8	3-3/4 x 2-1/8	2-3/4

Mounting base for Figs. 1279, 1280, 1281 see Fig. 938.  
Spare globes – Clear, Red or Green Fig. 186-P \$1.00 each.  
Spare D.C. Sockets Fig. 52, \$.60 each.

FIGS. 1278 TO 1281 INCLUSIVE, AVAILABLE IN COLORS, SEE ACRY-COLOR SECTION.



## BRONZE INTERNATIONAL NAVIGATION LIGHTS

CAST BRONZE – PLAIN OR CHROMIUM PLATED  
DOUBLE CONTACT BAYONET TYPE ELECTRIC SOCKETS  
WATERTIGHT

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

10 Points – 112-1/2 Degrees  
Colored Lenses 1 Red and 1 Green

Plain Bronze Per Pair	Chromium Plated Per Pair	Height Lens Inches	Length Overall Inches	Width Overall Inches	Diam. Neck Inches	Length Neck Inches	Weight Per Pair Pounds
\$29.00	\$36.00	2-1/8	5	2-5/8	15/16	1-1/4	2-1/2

For mounting on side of deck house or hull.



Fig. 910

### BOW OR MASTHEAD LIGHTS—Fig. 911

20 Points – 225 Degrees – Clear Lens

### STERN LIGHTS—Fig. 912

12 Points – 135 Degrees – Clear Lens

### ANCHOR OR RANGE LIGHT—Fig. 913

32 Points – 360 Degrees – Clear Lens

Fig.	Plain Bronze Each	Chromium Plated Each	Height Lens Inches	Weight Each Pounds
911	\$14.50	\$18.00	2-1/8	1-1/8
912	14.50	18.00	2-1/8	1-1/8
913	11.00	13.50	2-1/8	7/8

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

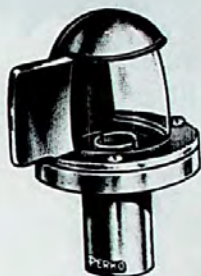


Fig. 911



Fig. 912



Fig. 913

Spare Globes – Clear, Red or Green Fig. 186-P \$1.00 each.

Spare D. C. Sockets, Fig. 52, \$.60 each.

## "NAUTIC" INTERNATIONAL NAVIGATION LIGHTS ZAMAK DIE CASTINGS – CHROMIUM PLATED DELRIN DOUBLE CONTACT BAYONET TYPE ELECTRIC SOCKETS FRESNEL LENSES

### SIDE LIGHTS – Fig. 1264

10 Points – 112 1/2 Degrees  
Colored Lenses 1 Red and 1 Green

Per Pair	Length Overall Inches	Height Overall Inches	Thickness Inches	Weight Per Pair Pounds
\$10.50	5-1/2	3-1/8	1-3/4	1-3/4



Fig. 1264

### BOW LIGHTS – Fig. 1265

20 Points – 225 Degrees – Clear Lens

Each	Length Overall Inches	Width Overall Inches	Height Overall Inches	Weight Pounds
\$6.50	6-1/4	3-7/8	3-1/4	3/4



Fig. 1265

Spare Lenses, Specify Fig. 301, Red or  
Green \$1.00 Each, Clear \$2.00 each.

Spare Electric Sockets, \$.75 Each.



## "ROYAL" INTERNATIONAL NAVIGATIONAL LIGHTS

SHEET METAL – GALVANIZED STEEL or BRASS  
BAYONET DOUBLE CONTACT ELECTRIC SOCKET  
FRESNEL LENSES

### COMBINATION BOW LIGHT – Fig. 89

20 Points – 225 Degrees  
Colored Lenses 1 Red and 1 Green

Galv. Each	Polished Brass Each	Chromium Plated Each	Height Inches	Height Lens Inches	Width Inches	Weight Pounds
\$18.00	\$27.00	\$30.00	3-3/4	3-5/16	4-1/4	1-1/4



Fig. 89



Fig. 91

### SIDE LIGHTS – Fig. 91

10 Points – 112 1/2 Degrees  
Colored Lenses 1 Red and 1 Green

Class	Galv. Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Height Inches	Height Lens Inches	Weight Per Pair Pounds
1	\$26.50	\$43.00	\$48.00	4-1/4	3-5/16	1-3/4
2	27.50	43.50	49.00	5	4-1/4	2
3	29.50	47.50	52.00	6	5-3/16	3



Fig. 98

### BOW OR MASTHEAD LIGHTS – Fig. 98

20 Points – 225 Degrees – Clear Lens

### STERN LIGHTS – Fig. 99

12 Points – 135 Degrees – Clear Lens

Class	Galv. Each	Polished Brass Each	Chromium Plated Each	Height Inches	Height Lens Inches	Weight Pounds
1	\$13.50	\$21.50	\$24.00	4-1/4	3-7/16	1
2	13.75	21.75	24.50	5	4-1/4	1-1/2
3	14.75	23.75	26.00	6	5-3/16	2



Fig. 99

### NOTES AND SPARE PARTS

Spare double contact adapters –  
Fig. 138, \$3.85 Each – Specify Class 1, 2 or 3.

Figs. 98 and 99 with red, green or amber lens, add \$3.85 Each.

Spare comb. or side lenses, See Fig. 259

Spare clear Bow lenses, See Fig. 256.

Spare clear Stern lenses, See Fig. 269.



Fig. 48

### BATTERY ANCHOR LIGHT—Fig. 48

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

Uses ordinary 1-1/2 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
\$27.00	\$31.75	10-1/2	3	1-1/4

With battery, add \$3.00 each.

With red, green or blue globe, add \$1.10 each.

Spare globes, see Fig. 250

Spare bulbs, \$.48 each.



## NAVIGATION LIGHTS WITH FRONT DOOR SHEET METAL – GALVANIZED STEEL OR BRASS OIL OR ELECTRIC ELECTRIC SOCKET IS BAYONET DOUBLE CONTACT TYPE

### COMBINATION BOW LIGHT—Fig. 0-1

20 Points – 225 Degrees  
Red and Green Fresnel Lenses

Galvanized Each	Polished Brass Each	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds
\$30.00	\$40.00	9-3/8	5x5-1/2	3-5/16	3-5/8



### SIDE LIGHTS—Figs. 0-4 and 0-8

10 Points – 112½ Degrees  
Red and Green Fresnel Lenses

Fig.	Galv. Per Pair	Polished Brass Per Pair	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Per Pair Pounds
0-4	\$53.00	\$76.00	10-1/2	5-1/4x5-1/4	4-1/4	6-1/4
0-8	56.00	79.00	12-1/4	5-5/8x5-5/8	5-3/16	8



### BOW LIGHTS—Figs. 0-5 and 0-9

20 Points – 225 Degrees  
Clear Fresnel Lens

Fig.	Galv. Each	Polished Brass Each	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds
0-5	\$26.50	\$38.00	10-1/2	5 x5-1/2	4-1/4	3
0-9	28.00	39.50	12-1/4	5-1/2x6-1/8	5-3/16	4

NOTE: The above area of visibility applies only to electric bow lights.



### SIDE LIGHTS—Figs. 0-40 and 0-80

10 Points – 112½ Degrees – Electric Only  
Red and Green Fresnel Lenses

Fig.	Galv. Per Pair	Polished Brass Per Pair	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Per Pair Pounds
0-40	\$37.00	\$57.00	7-1/4	5-1/8x5-1/8	4-1/4	5-1/2
0-80	40.00	60.00	8-1/2	5-5/8x5-5/8	5-3/16	7



### BOW LIGHTS—Figs. 0-50 and 0-90

20 Points – 225 Degrees – Electric Only  
Clear Fresnel Lens

Fig.	Galv. Each	Polished Brass Each	Height Less Ring Inches	Base Dimensions Inches	Height Lens Inches	Weight Pounds
0-50	\$18.50	\$28.50	7-3/8	5 x5-1/2	4-1/4	2-3/4
0-90	20.00	30.00	8-1/2	5-1/2x6-1/8	5-3/16	4



Fig. 0-1



Fig. 0-4 - Class 2

Fig. 0-8 - Class 3



Fig. 0-5 - Class 2

Fig. 0-9 - Class 3



Fig. 0-40 - Class 2

Fig. 0-80 - Class 3



Fig. 0-50 - Class 2

Fig. 0-90 - Class 3

### NOTES AND SPARE PARTS

Figs. 0-1, 0-4, 0-5, 0-8, 0-9, Specify oil or electric otherwise oil only will be shipped.

Bow lights with red, green, blue or amber lens, add \$3.85 each.

Fig. 09 not available in red.

Spare comb. or side lenses, see Fig. 259.

Spare clear bow lenses, see Fig. 260.

Spare oil founts, \$3.85 each.

Spare oil burners, see Fig. 246.

Spare oil wicks, see Fig. 302.

Spare electric sockets, see Fig. 276.

Spare electric socket supports, \$1.20 each.

Spare mounting brackets, \$1.90 each.

These lights are not supplied with medium screw socket.



## NAVIGATION LIGHTS WITH BOTTOM OPENING

SHEET METAL – GALVANIZED STEEL OR BRASS

OIL OR ELECTRIC – SPRING TYPE FOUNT

ELECTRIC SOCKET IS BAYONET DOUBLE CONTACT OR MEDIUM SCREW TYPE



Fig. 1



Fig. 17 Class 2

Fig. 19 Class 3



Fig. 18 Class 2

Fig. 20 Class 3



Fig. 97 Class 2

Fig. 102 Class 3

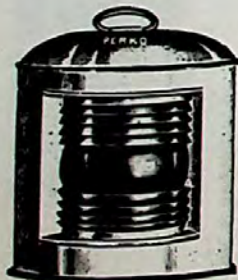


Fig. 4



Fig. 5

### SPARE PARTS

Comb. or side lenses, see Fig. 259.

Bow lenses, see Fig. 256.

Stern lenses, see Fig. 269.

Oil founts, see Figs. 286 and 733.

Oil burners, see Fig. 246.

Oil wicks, see Fig. 302.

Electric adapters, see Figs. 291 and 292.

Mounting brackets, \$1.95 each.

### COMBINATION BOW LIGHT—Fig. 1

20 Point – 225 Degrees – Red and Green Fresnel Lenses

Fig.		Galvanized Each	Polished Brass Each	Height Inches	Height Lens Inches	Weight Pounds
1	Oil	\$23.00	\$34.50	9	3-5/16	2-5/8

Double Contact Electric—Specify Fig. 1-A

This light will not accommodate medium screw socket for navigational purposes.

### SIDE LIGHTS—Figs. 17 and 19

10 Points – 112-1/2 Degrees – Red and Green Fresnel Lenses

Fig.		Galvanized Per Pair	Polished Brass Per Pair	Height Inches	Height Lens Inches	Weight Pounds
17	Oil	\$41.00	\$63.50	10-1/2	4-1/4	5-1/2
19	Oil	42.50	69.00	12-1/2	5-3/16	7-1/2

Double Contact Electric—Specify Fig. 17-A or 19-A

Medium Screw Electric—Specify Fig. 17-B or 19-B

### BOW LIGHTS—Figs. 18 and 20

20 Points – 225 Degrees – Clear Fresnel Lens

Fig.		Galvanized Each	Polished Brass Each	Height Inches	Height Lens Inches	Weight Pounds
18	Oil	\$20.50	\$31.75	10-1/2	4-1/4	3
20	Oil	21.25	34.50	12-1/2	5-3/16	3-1/2

Double Contact Electric—Specify Fig. 18-A or 20-A

Medium Screw Electric—Specify Fig. 18-B or 20-B

### STERN LIGHTS—Figs. 97 and 102

12 Points – 135 Degrees – Clear Fresnel Lens

Fig.		Galvanized Each	Polished Brass Each	Height Inches	Height Lens Inches	Weight Pounds
97	Oil	\$20.50	\$31.75	10-1/2	4-1/4	3
102	Oil	21.25	34.50	12-1/2	5-3/16	3-1/2

Double Contact Electric—Specify Fig. 97-A or 102-A

Medium Screw Electric—Specify Fig. 97-B or 102-B

### SIDE LIGHTS—Fig. 4

10 Points – 112-1/2 Degrees – Electric Only – Red and Green Fresnel Lenses

Class	Galvanized Per Pair	Polished Brass Per Pair	Height Inches	Height Lens Inches	Weight Per Pair Pounds
2	\$33.00	\$54.00	7-1/4	4-1/4	5
3	35.00	61.00	8-1/2	5-3/16	7

### BOW LIGHTS—Fig. 5

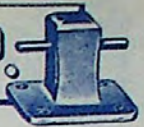
20 Points – 225 Degrees – Electric Only – Clear Fresnel Lens

Class	Galvanized Each	Polished Brass Each	Height Inches	Height Lens Inches	Weight Pounds Each
2	\$16.50	\$27.00	7-1/4	4-1/4	2-1/2
3	17.50	30.50	8-1/2	5-3/16	3-1/4

### NOTES

Bow or Stern Lights with red, green or amber lens, add \$3.85 each. Figs. 20 and 102 not available in red. Figs. 4 and 5 supplied with double contact socket unless medium screw is specified.





### ANCHOR LIGHT—Fig. 0-2

32 Points — 360 Degrees — Clear Fresnel Lens — Oil or Electric

Galvanized Each	Polished Brass Each	Height Inches	Diam. Base Inches	Height Lens Inches	Weight Pounds
\$15.65	\$23.00	8-5/8	4-1/2	3-5/16	2

For Double Contact Electric—Specify Fig. 0-2A. For navigational purposes this light will not accommodate a medium screw socket.



Fig. 0-2 Junior

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### ANCHOR LIGHT—Fig. 0-6

32 Points — 360 Degrees — Clear Fresnel Lens — Oil or Electric

Galvanized Each	Polished Brass Each	Height Inches	Diam. Base Inches	Height Lens Inches	Weight Pounds
\$19.50	\$31.00	11-3/4	5-5/8	4-1/4	3

For Double Contact Electric—Specify Fig. 0-6A.  
For Medium Screw Electric—Specify Fig. 0-6B.



Fig. 0-6 Senior

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### NAVY OR LIFE BOAT LANTERN—Fig. 49

Oil Burning — Hinged Top — Clear Globe

Galvanized Each	Polished Brass Each	Height Inches	Size of Globe Inches	Weight Pounds
\$29.50	\$37.50	11	4x6-1/2	3



Fig. 49

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### SAIL BOAT SIDE LIGHTS—Fig. 69

10 Points — 112-1/2 Degrees — Red and Green Fresnel Lenses

Galvanized Per Pair	Polished Brass Per Pair	Height Lens Inches	Extreme Height Inches	Diam. of Base Inches	Weight Per Pair Pounds
\$40.00	\$57.00	3-5/16	9	4-1/4	4

For Double Contact Electric—Specify Fig. 69-A.



Fig. 69

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### NOTES AND SPARE PARTS

Figs. 0-2 and 0-6, with red, green or amber lens, add \$3.85 each.  
 Fig. 49 with red, green or blue globe, add \$2.45 each.  
 Spare lenses for Figs. 0-2 and 0-6, see Fig. 261.  
 Spare lenses for Fig. 69, see Fig. 259.  
 Spare globes for Fig. 49, see Fig. 262.  
 Spare founts or adapters for Figs. 0-2 and 69, see Figs. 287 and 293.

Spare founts or adapters for Figs. 0-6 and 49, see Figs. 286, 291 and 292.  
 Spare burners for Figs. 0-2 and 69, see Fig. 246 No. 0.  
 Spare burners for Fig. 0-6 and 49, see Fig. 246 No. 1.



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

Waterproof – 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	Weight Per Pair Pounds
1	\$157.00	\$218.00	\$240.00	6-3/4	11-1/4	16-1/4
2	200.00	268.00	294.00	7-1/2	13-1/4	24
3	235.00	308.00	340.00	8-1/2	15-1/2	30-1/4



### 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. 256 Height Inches	Height Less Handle Inches	Weight Each Pounds
1	\$ 78.50	\$109.00	\$120.00	6-3/4	11-1/4	9-1/2
2	100.00	134.00	147.00	7-1/2	13-1/4	14
3	117.50	154.00	170.00	8-1/2	15-1/2	19

With red or green lens (special purpose), add \$13.00 each.  
With amber lens in Sizes No. 1 and 2 only, add \$13.00 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. 269 Height Inches	Height Less Handle Inches	Weight Each Pounds
1	\$ 78.50	\$109.00	\$120.00	6-3/4	11-1/4	8-1/2
2	100.00	134.00	147.00	7-1/2	13-1/4	11
3	117.50	154.00	170.00	8-1/2	15-1/2	14-1/2

With red or green lens (special purpose) add \$13.00 each.  
With 45 degree red lens (for suction dredges) add \$18.00 each.  
With amber lens in Sizes No. 1 and 2 only, add \$13.00 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	Weight Each Pounds
1	\$ 78.50	\$109.00	\$120.00	6-3/4	10-1/2	10
2	100.00	134.00	147.00	7-1/8	12-3/4	14-1/4
3	117.50	154.00	170.00	8-1/2	14-5/8	20-1/4



### 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	Weight Each Pounds
1	\$ 87.50	\$118.00	\$129.00	6-3/4	10-1/2	10
2	109.50	143.50	156.50	7-1/8	12-3/4	14-1/4
3	130.50	167.00	183.00	8-1/2	14-5/8	20-1/4

### 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", \$10.50 each.  
Spare mounting brackets, No. 1 - \$1.90 each. Nos. 2 and 3, \$2.85 each.

### Recommended For Size Vessel

- No. 1 – 65 to 150 Ft.
- No. 2 – 150 to 300 Ft.
- No. 3 – Over 300 Ft.



## 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

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	Weight Per Pair Pounds
0	\$147.00	\$205.00	\$224.00	5-1/2	13-3/4	14
1	157.00	218.00	240.00	6-3/4	15	16
2	200.00	268.00	294.00	7-1/2	17-1/2	25
3	235.00	308.00	340.00	8-1/2	19-3/4	35



### 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	Weight Each Pounds
0	\$ 73.50	\$102.50	\$112.00	5-1/2	13-3/4	8
1	78.50	109.00	120.00	6-3/4	15	8-3/4
2	100.00	134.00	147.00	7-1/2	17-1/2	15
3	117.50	154.00	170.00	8-1/2	19-3/4	20

With red or green lens (special purpose), add \$13.00 each.  
With amber lens Sizes No. 0, 1 and 2 only, add \$13.00 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	Weight Each Pounds
0	\$ 73.50	\$102.50	\$112.00	5-1/2	13-3/4	7
1	78.50	109.00	120.00	6-3/4	15	8
2	100.00	134.00	147.00	7-1/2	17-1/2	11
3	117.50	154.00	170.00	8-1/2	19-3/4	17

With red or green lens (special purpose), add \$13.00 each.  
With 45 degree lens (for suction dredges), add \$18.00 each.  
With amber lens Sizes 0, 1 and 2 only, add \$13.00 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	Weight Each Pounds
0	\$ 73.50	\$102.50	\$112.00	5-1/2	13-1/4	8-3/4
1	78.50	109.00	120.00	6-3/4	14-1/2	10
2	100.00	134.00	147.00	7-1/8	17-1/4	17
3	117.50	154.00	170.00	8-1/2	19-3/4	23



### 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	Weight Each Pounds
0	\$ 80.00	\$109.00	\$118.50	5-1/2	13-1/4	8-3/4
1	87.50	118.00	129.00	6-3/4	14-1/2	10
2	109.50	143.50	156.50	7-1/8	17-1/4	17
3	130.50	167.00	183.00	8-1/2	19-3/4	23

### ELECTRIC ONLY

With Fig. 288 Medium Screw Adapter, use above prices.

With Fig. 1082 3 Wire Mogul Adapter, add \$4.40 each.

### OIL AND ELECTRIC

With Fig. 288 Medium Screw Adapter, add \$8.35 each.

With Fig. 1082 3 Wire Mogul Adapter, add \$12.50 each.



Fig. 1155



Fig. 1156



Fig. 1157



Fig. 1158

Fig. 1159



Oil Lamp used in Lights on this page

No.	Each
0 or 1 Comp.	\$13.50
2 or 3 Comp.	14.35

### 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**

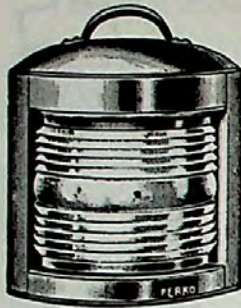


Fig. 30



Fig. 983



Fig. 986



Fig. 32  
 Fig. 84

**Recommended For Size Vessel**

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

**SIDE LIGHTS—Fig. 30**

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	Weight Per Pair Pounds
0	\$120.00	\$174.00	\$192.00	5-1/2	10-1/2	10-1/2
1	126.00	185.00	204.00	6-3/4	11-3/8	12
2	160.00	230.00	256.00	7-1/2	13-1/4	21



**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. 256 Height Inches	Height Less Handle Inches	Weight Each Pounds
0	\$60.00	\$ 87.00	\$ 96.00	5-1/2	10-1/2	6-3/4
1	63.00	92.50	102.00	6-3/4	11-3/8	7-1/2
2	80.00	115.00	128.00	7-1/2	13-1/4	12-1/4

With red or green lens (special purpose), add \$13.00 each.  
 With amber lens, add \$13.00 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	Weight Each Pounds
0	\$60.00	\$ 87.00	\$ 96.00	5-1/2	10-1/2	5-3/4
1	63.00	92.50	102.00	6-3/4	11-3/8	6-1/4
2	80.00	115.00	128.00	7-1/2	13-1/4	9-1/2

With red or green lens (special purpose) add \$13.00 each.  
 With 45 degree red lens (for suction dredges) add \$18.00 each.  
 With amber lens, add \$13.00 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	Weight Each Pounds
0	\$60.00	\$ 87.00	\$ 96.00	5-1/2	9-1/4	7-1/2
1	63.00	92.50	102.00	6-3/4	10-1/4	8-1/2
2	80.00	115.00	128.00	7-1/8	13	12-3/4



**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	Weight Each Pounds
0	\$66.50	\$ 93.50	\$102.50	5-1/2	9-1/4	7-1/2
1	72.00	101.50	111.50	6-3/4	10-1/4	8-1/2
2	89.50	124.50	137.00	7-1/8	13	12-3/4

**NOTES**

Above prices do not include bulbs.  
 With 3 wire mogul adapter Fig. 1082 for double filament bulb, add \$4.40 each.



## 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

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 Ring Inches	Weight Per Pair Pounds
0	\$120.00	\$174.00	\$192.00	5-1/2	14	12-1/2
1	126.00	185.00	204.00	6-3/4	15	13-1/2
2	160.00	230.00	256.00	7-1/2	18-1/2	22



### 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. 256 Height Inches	Height Less Ring Inches	Weight Each Pounds
0	\$60.00	\$ 87.00	\$ 96.00	5-1/2	14	7-1/2
1	63.00	92.50	102.00	6-3/4	15	8
2	80.00	115.00	128.00	7-1/2	18-1/2	14

With red or green lens (special purpose), add \$13.00 each.  
With amber lens, add \$13.00 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. 269 Height Inches	Height Less Ring Inches	Weight Each Pounds
0	\$60.00	\$ 87.00	\$ 96.00	5-1/2	14	6
1	63.00	92.50	102.00	6-3/4	15	6-1/2
2	80.00	115.00	128.00	7-1/2	18-1/2	10-1/2

With red or green lens (special purpose), add \$13.00 each.  
With 45 degree red lens (for suction dredges), add \$18.00 each.

With amber lens add \$13.00 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	Weight Each Pounds
0	\$60.00	\$ 87.00	\$ 96.00	5-1/2	13-3/8	7-1/2
1	63.00	92.50	102.00	6-3/4	14-3/8	9
2	80.00	115.00	128.00	7-1/8	17-1/2	14



### 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	Weight Each Pounds
0	\$66.50	\$ 93.50	\$102.50	5-1/2	13-3/8	7-1/2
1	72.00	101.50	111.50	6-3/4	14-3/8	9
2	89.50	124.50	137.00	7-1/8	17-1/2	14

### ELECTRIC ONLY

With Fig. 288 Medium Screw Adapter, use above prices.

With Fig. 1082 3 Wire Mogul Adapter, add \$4.40 each.

### OIL AND ELECTRIC

With Fig. 288 Medium Screw Adapter, add \$8.35 each.

With Fig. 1082 3 Wire Mogul Adapter, add \$12.50 each.



Fig. 21



Fig. 982



Fig. 985



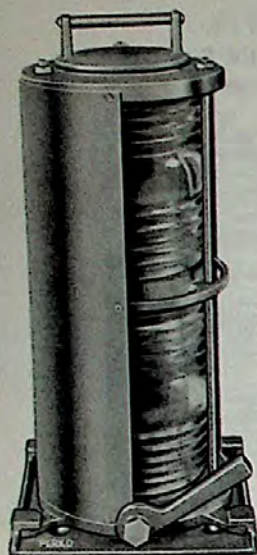
Fig. 23 or 129

Recommended For Size Vessel

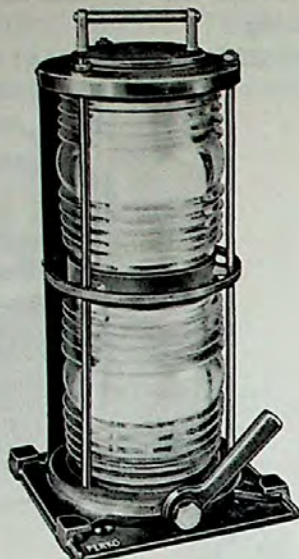
No. 0 - 65 to 90 Ft.

No. 1 - 90 to 150 Ft.

No. 2 - 150 to 300 Ft.



10 Point -  $112\frac{1}{2}^{\circ}$   
Fig. 1164



20 Point -  $225^{\circ}$   
Fig. 1165

## 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 lamp and a watertight cap for relamping and cleaning. A watertight terminal tube for cable entrance to each section and shields for light angle are included.

Fig.	Description	Degrees of Light	Each
1164-P	Side Light — Port — Red	112-1/2	\$182.00
1164-S	Side Light — Starboard — Green	112-1/2	182.00
1165	Masthead, Range Towing — Clear	225	172.00
1166	Stern — Clear	135	172.00
1167	Anchor — Clear	360	162.00
1168	Breakdown — Red	360	180.00

Height Overall Inches	Height Lens Inches	Weight Pounds
18	6-3/4	30

FIGS. 1165 OR 1166 WITH COLORED LENSES, RED OR GREEN, ADD \$13.00 EACH LIGHT.



## SINGLE LENS LIGHTS

Per Above Specifications — Cast Bronze

Fig.	Description	Degrees of Light	Each
1169	Anchor — Clear	360	\$ 97.00
1170	Breakdown — Red	360	106.00
1172-P	Side Light — Port — Red	112-1/2	109.00
1172-S	Side Light — Starboard — Green	112-1/2	109.00
1173	Masthead, Range Towing — Clear	225	106.00
1174	Stern — Clear	135	106.00

Height Overall Inches	Height Lens Inches	Weight Pounds
10	6-3/4	14-1/2

FIGS. 1173 OR 1174 WITH COLORED LENS, RED OR GREEN, ADD \$9.00 EACH.

With 3 wire mogul socket, special construction add \$26.50 each.



## PORTABLE SIGNAL LIGHT FIG. 412

Cast Bronze

32 Point — 360 Degrees — Clear Lens  
Medium Screw Electric Socket

Each	Height Overall Inches	Height Lens Inches	Weight Pounds
\$77.00	14-1/2	5-1/2	12-1/4

With colored lens, red, green or amber, add \$7.70 each.  
With 3 wire mogul socket, add \$5.50 each.

Shielded to 112-1/2, 135 or 225 degrees, add \$13.50 each.



Fig. 412



## SPARE PARTS

Spare lenses for Fig. 412, see Fig. 261 No. 0.  
Spare lenses for balance, see Fig. 261 No. 1.  
Spare medium screw sockets, for Fig. 412, see Fig. 346 No. 2.  
Spare medium screw sockets for balance, \$1.75 each.

Spare mogul sockets, see Fig. 270.  
Spare lens gaskets, \$1.10 each.  
Spare socket supports, \$3.30 each.  
Spare caps with gasket, \$12.65 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	I.P.S. Thread Inches	Weight Pounds
2	4-1/4	8-1/4	3/4	6
3	5-1/2	9-3/4	1	10

Size No.	Clear Each	Colored Each	Electrical Equipment
2	\$44.00	\$47.00	1 medium screw socket
2-C	48.00	52.00	1 mogul 3 wire socket
3	62.00	70.00	1 medium screw socket
3-D	65.00	73.00	1 mogul 3 wire socket

Shielded to 112-1/2°, 135°, or 225°, add \$13.50 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. 2, 3 \$\$.70 each.  
120 Volt 50/50 Watt Fig. 532 clear for Nos. 2-C, 3-D, \$9.00 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

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	I.P.S. Thread Inches	Weight Pounds
\$90.00	5-1/2	9-3/4	1	10

Please specify color otherwise amber will be shipped.



### 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	Weight Pounds
540	Single \$ 38.00	10-1/4	6-3/4
541	Double 90.00	46-1/2	16
542	Triple 137.00	82-1/2	25-1/2

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 \$1.75, with two 1/2 inch pipe taps, add \$2.25

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

SPARE GLOBES clear Fig. 106, \$4.60 each.

COLORED GLOBES can be supplied. Colors are red, green, blue or amber. Add \$2.60 for each globe.

SPARE SOCKETS Porcelain Fig. 222 No. 1, \$1.10 each.

SPARE GUARDS Cast Bronze, \$8.65 each.



Fig. 540

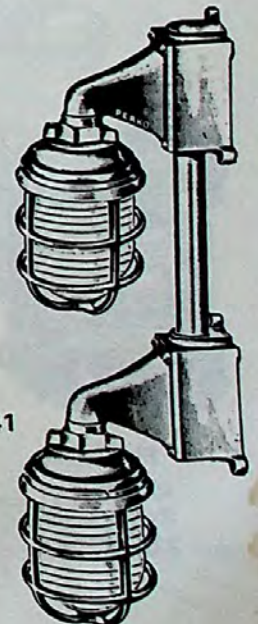


Fig. 541



Fig. 494



## 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

### Watertight Type

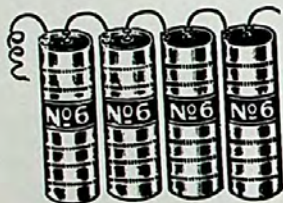
Figs. 1001, 1002 & 1003

FOR 4 NO. 6 DRY CELLS IN SERIES – PARALLEL  
(3 VOLTS) – WITH SWITCH

	Fig. 1001	Fig. 1002		Fig. 1003	
	Red and Green Per Pair	Clear Each	Amber Each	Clear Each	Amber Each
Galvanized	\$173.00	\$110.00	\$124.00	\$110.00	\$124.00
Spare Lenses	38.00	31.00	43.00	18.50	29.00



**Fig. 1003**  
Stern Light  
135 Degrees



Standard No. 6  
Dry Cells used with  
These Lights

### DIMENSIONS

Fig.	Height Lens Inches	Height Less Handle Inches	Weight Pounds
1001	6-3/4	11-1/2	17
1002	7-1/2	13-1/2	15
1003	7-1/2	13-1/2	12

Above prices include bulbs, no batteries.

Spare bulbs, double contact 2.9 volts, .15 amp. Fig. 337, \$2.50 each.

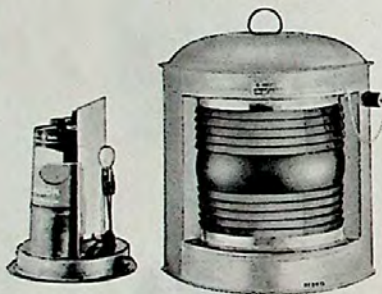


### Waterproof Type

Figs. 1008, 1013 & 1014

FOR 2 NO. 6 DRY CELLS IN SERIES WITH SWITCH

	Fig. 1008	Fig. 1013		Fig. 1014	
	Red and Green Per Pair	Clear Each	Amber Each	Clear Each	Amber Each
Galvanized	\$134.00	\$91.00	\$106.00	\$91.00	\$106.00
Spare Lenses	38.00	31.00	43.00	18.50	29.00



**Fig. 1008**  
Side Lights  
112½ Degrees



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



**Fig. 1014**  
Stern Light  
135 Degrees

### DIMENSIONS

Fig.	Height Lens Inches	Height Less Handle Inches	Weight Pounds
1008	6-3/4	11-1/4	13
1013	7-1/2	13	12
1014	7-1/2	13	9-1/4

Above prices include bulbs, no batteries. Bulb is double contact, 2.9 volts, .15 amp. Fig. 337, \$2.50 each. Battery containers as illustrated, complete with reflector, socket, bulb and switch, without batteries, \$22.00 each.





### 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.

No.	Galvanized Steel Each	Plain Brass Each	Height Lens Inches	Height Overall Inches	Weight Pounds
1	\$52.50	\$57.50	4-1/4	14-1/2	5-1/2
2	72.00	76.50	5-1/2	15-3/4	8

Spare Battery Containers, Galv. \$15.00 each. Brass \$19.00 Each.



Fig. 470



Fig. 443

★  
**FIG. 443**

This light is same construction as Fig. 470 No. 1 with a larger container for 8 dry cells. The bulb supplied is 6 Volt, .4 Amps., 1.5 C.P. The batteries to be wired series parallel. The purpose, to offer greatly increased candle-power but less life.

Galvanized Steel Each	Height Overall Inches	Weight Pounds
\$78.00	22	6

★  
**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.

Galvanized Steel Each	Plain Brass Each	Height Lens Inches	Height Overall Inches	Weight Pounds
\$93.00	\$95.00	5-1/2	16-3/4	9

Spare Battery Containers, Galv. \$19.00 each. Brass \$24.00 each.



Fig. 474

★  
**BATTERY FLASHING LIGHT—Fig. 485**

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

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.

Galvanized Steel Each	Plain Brass Each	Height Lens Inches	Height Overall Inches	Weight Pounds
\$109.00	\$115.00	4-1/4	14-1/2	13



Fig. 485

★  
**SPARE PARTS FOR FIGS. 443, 470 & 474**

- No. 1 Red, Green or Amber Lens, add \$4.00 each.
- No. 2 Red, Green or Amber Lens, add \$8.50 each.
- Spare Bulbs, 6 Volt .04 Amp. Miniature Base. \$.45 each.
- Spare Lenses Fig. 261.
- Spare Switches Fig. 745.
- Spare Sockets, \$.65 each.
- Spare Socket Holder with socket, \$3.00 each.

**SPARE PARTS FOR FIG. 485**

- Spare Bulbs, \$.60 each.
- Spare Timing Mechanisms, \$25.00 each.
- With Red, Green or Amber Lens, add \$4.00 each.
- Spare Lenses, see Fig. 261. Spare Switches, see Fig. 745.
- Spare Battery and Timer Containers, Galvanized, \$16.00 each.
- Brass \$20.00 each.



# "PERKO" Bridge and Pier Lights

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



Fig. 29

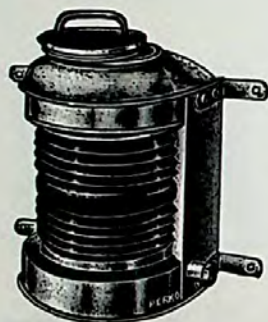


Fig. 31



Fig. 59



Fig. 126

## REGULATION PIER LIGHTS

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

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
29	Electric only	\$ 93.50	\$131.00	7-3/8	13-1/4
31	Electric only	113.50	152.00	7-3/8	13-1/4
59	Oil or Electric	93.50	131.00	7-3/8	18
59	Oil and Electric	101.00	137.50	7-3/8	18

		Width Overall Inches	Size Base Inches	Weight Pounds
29	Electric only	14-1/2	9-7/8x9-1/8	10-1/4
31	Electric only	14-1/2	9-7/8x9-1/8	12
59	Oil or Electric	14-1/2	9-7/8x9-1/8	12
59	Oil and Electric	14-1/2	9-7/8x9-1/8	12

With Clear Lens for main channel markers on fixed bridges or with green or amber lens for special purpose, use above prices. Fig. 59 not available in clear.

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

## SPARE PARTS

	Each
Fresnel Lenses, Fig. 260, Mld. 59	\$31.00
Electric Socket	1.45
Electric Adapter, Fig. 288, No. 2	8.35
Oil Fount, Fig. 282, No. 2	8.35
Oil Burner, Fig. 242, No. 2	4.10
Oil Wicks, Fig. 302, No. 2	.14
Chimneys, Fig. 267, No. 2	2.00

## 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	Bronze Weight Pounds
\$159.50	\$126.00	7-1/8	19	24

Mounted on 1-1/2" Brass Pipe and Flange, add \$18.00 Each.  
 Mounted on 2" Brass Pipe and Flange, add \$37.50 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
1005	\$159.50	\$138.50	7-3/8	9-1/4
125	188.00	152.00	7-3/8	19
1010	225.50	193.50	7-3/8	17-1/2

	Width Light Inches	Size Base Inches	Bronze Weight Pounds
1005	**9-1/4	8-3/4x7-3/8	18-3/4
125	8-1/4	5	24
1010	8-1/4	6	28

\*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 \$16.50 each. Fig. 125 mounted on 2" brass pipe and flange, add \$37.50 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 \$18.00 set up charge then the following for length longer than standard.

1" pipe—add \$.60 per inch

1-1/2" pipe—add 1.05 per inch

2" pipe—add 1.40 per inch



Fig. 125

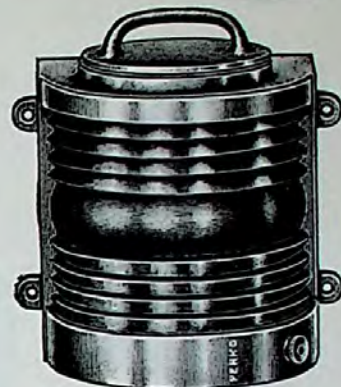


Fig. 1005

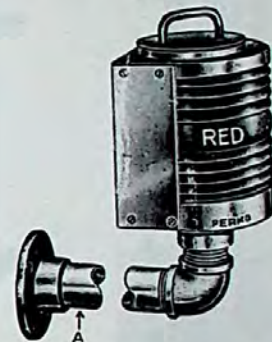


Fig. 1010

## 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. Electric only.



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 BRIDGE AND PIER LIGHTS

180 DEGREE LENSES—For Figs. 22-29-31-59-125-1005-1010-1012. Clear \$22.00 each. Colored \$31.00 each.

360 DEGREE LENSES—For figs. 68-80-126-1006-1011. Clear \$23.00 each, Colored \$35.00 each.

WATERTIGHT CAPS complete with rubber gasket and safety chain For figs. 22 - 31 - 35 - 39 - 125 - 126 - 127 - 1005 - 1006 - 1007 - 1010 - 1011 - 1012 \$10.50 each.

RUBBER GASKETS—For caps . . . . . \$ .40 each.

RUBBER GASKETS—For 360 degree lenses \$3.30 each.

ELECTRIC SOCKETS—Medium screw — For all lights \$1.35 each.

SOCKET SUPPORTS—Brass - For all watertight electric lights . . . . . \$1.90 each.

ELECTRIC ADAPTER—For figs. 29-50-59-68-80 \$8.35 each.

OIL FOUNTS—Brass - For figs. 50-59-80 . . . \$8.35 each.

OIL BURNERS—Brass—For above founts . . . \$4.10 each.

OIL WICKS—For above burners . . . . . \$ .14 each.

CHIMNEYS—For above burners . . . . . \$2.00 each.



Fig. 35

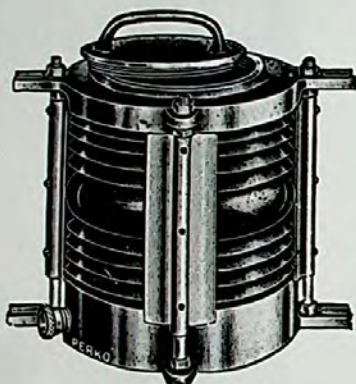


Fig. 39



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	\$126.00	\$171.50			\$14.00
39 Elec. only			\$210.00	\$186.00	14.00
50 Oil or Elec.	106.50	158.00			14.00
50 Oil and Elec.	113.50	155.50			14.00

FIG.	Height Lens Inches	Height Overall Inches	Bronze Weight Pounds
35 Elec. only	7-3/8	13-1/4	14-1/4
39 Elec. only	7-3/8	11-3/4	21
50 Oil or Elec.	7-3/8	18	14
50 Oil and Elec.	7-3/8	18	14-1/2

60 Degree Lenses are standard and will be shipped unless 90 degree is specified.

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 \$18.00 each. 1-1/2" pipe add \$36.50 each. 2" pipe add \$56.00 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	\$ 89.50	\$124.50		
1006 Electric only			\$130.00	\$113.50
80 Oil or Elec.	109.50	143.50		
80 Oil and Elec.	116.00	151.00		

FIG.	Height Lens Inches	*Height Overall Inches	Bronze Weight Pounds
68 Electric only	7-1/8	12-3/4	13
1006 Electric only	7-1/8	9-1/2	19
80 Oil or Elec.	7-1/8	17-1/4	15-1/2
80 Oil and Elec.	7-1/8	17-1/4	15-1/2

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	Bronze Weight Pounds
\$246.50	\$212.00	7-1/8	20-1/4	36

With Alternate Red and Green 60 degree or 90 degree Lenses per Fig. 39, add \$42.50 Each.

Special length of pipe at "A" or "B", add \$18.00 set up charge then \$1.40 for each additional inch.

\*Height does not include handle.



Fig. 1011



Fig. 22

## LIFT SPAN LIGHTS FOR BASCULE BRIDGES

For Single and Double Lift Bridges. 180 Degree Red and Green Fresnel Lenses. Cast Bronze or Cast Aluminum 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. 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.

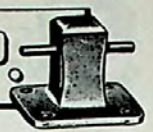
Fig.	Cast Bronze Each	Cast Aluminum Each	*Height Overall Inches	Height Lens Inches	Bronze Weight Pounds
22	\$421.00	\$360.00	30-1/2	7-3/8	54
1012	493.00	426.00	32	7-3/8	56

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 \$18.00 set up charge then \$1.40 for each additional inch.

\*Height does not include handle.



Fig. 1012



## ANTIQUE DESIGN SHIPS LANTERNS

Although these lanterns are manufactured now the design is unchanged from that of centuries ago.

Old sailing vessels used Fig. 44 with a clear globe for cabin illumination and with a red globe for signaling "Breakdown" or "Not Under Command."

The oil burning bulkhead lantern Fig. 46 was used for illumination in cabins, passageways, decks, etc.

These lanterns are hand made for outdoor use by the Country's oldest and leading manufacturer of marine navigation lights. They are authentic marine lanterns, not imitations.



Fig. 44

### 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	\$32.50	\$43.50	11	3
2	8	39.50	53.00	14-1/2	6
3	10	71.50	92.00	17-3/8	8-1/2

Distress Light with Red Globe, Add \$9.00 Each.  
Also available blue or white frosted globe — Same price as red.

Electric with Medium Screw Socket, same price.

#### SPARE PARTS

Size	Globes	Burners	Oil Founts	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

10 Inch Size supplied with Fig. 267 Chimney.



Fig. 46

### OIL BULKHEAD LANTERN—Fig. 46

Polished Brass

No.	Each	Width Inches	Height Less Handle Inches	Depth Less Bracket Inches
1	\$79.50	8	13	6
2	93.00	10	17	7-3/4

Spare brass founts only, \$10.50 each. Specify size required.

Spare reflectors, \$7.50 each. Specify size required.

Spare burners, see Fig. 242 No. 2.

Spare chimneys, see Fig. 267 No. 2.

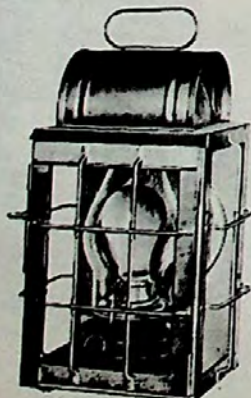


Fig. 1045

### ELECTRIC BULKHEAD LANTERN—Fig. 1045

With Medium Screw Electric Socket — Polished Brass

No.	Each	Width Inches	Height Less Handle Inches	Depth Less Bracket Inches
1	\$85.00	8	13	6
2	98.00	10	17	7 3/4



**ELECTRIC SIGNAL LIGHT—Fig. 1032**  
 All Brass — Medium Screw Electric Socket — Wired  
 Canopy and Chain With White Frosted Globe —  
 Supplied with 12 inches of chain dome and glass bottom for  
 illumination of deck.

No.	Polished Brass Each	Height Lamp Only Inches	Diam. Globe Inches	Approx. Weight Pounds
1	\$ 53.50	11	6	3
2	63.00	14	8	4-1/2
3	102.00	16-1/2	10	6-1/2

With colored Globe Nos. 1 and 3 (red or blue), No. 2 (red, green or blue), add \$2.75 each.

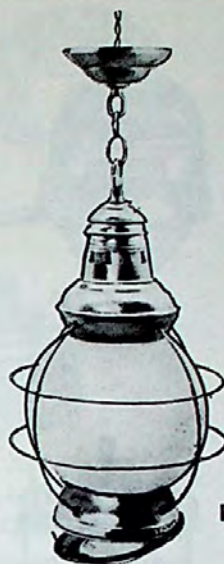


Fig. 1032

★

## ELECTRIC ANCHOR LIGHTS

All Brass — Medium Screw Electric Socket — Wired  
 With dome glass bottom for illumination of deck.  
 Globe is clear Fresnel

Flush Canopy—Fig. 1023

No.	Polished Brass Each
1	\$32.50
2	38.00

Canopy and Chain — Fig. 1024

No.	Polished Brass Each
1	\$ 33.50
2	39.50
3	110.00
4	138.00

Length of Chain, 12 inches

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

Wall Bracket — Fig. 1025

No.	Polished Brass Each
1	\$34.00
2	41.00

Dimensions: Figs. 1023, 1024 & 1025

No.	Height Lamp Only Inches	Diam. Lamp Inches	Height Lens Inches	Approx. Weight Pounds	COLORED LENSES			
					Red	Green	Amber	Frosted
1	8-5/8	4-1/2	3-5/16	3	1			\$2.75
2	11-3/4	5-5/8	4-1/4	4	2			3.20
3	14-1/2	7-1/2	6-3/4	10	3			7.50
4	17-3/4	9-3/4	7-1/8	14	4			9.00



CANOPY AND CHAIN  
 Fig. 1024



FLUSH CANOPY  
 Fig. 1023



WALL BRACKET  
 Fig. 1025



Fig. 242



Fig. 246



Fig. 302



Fig. 245



Fig. 272



Fig. 262



Fig. 267



Fig. 230



Fig. 231



Fig. 264



Fig. 94



Fig. 173

### HINGE BURNERS—Fig. 242

All Brass

Used in all cabin lamps, large running lights, bulkhead lamps.

No.	Per Dozen	Diam. Thread Inches	Width Wick Inches
2	\$49.20	1-1/4	7/8



### BRASS BURNERS—Fig. 246

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

No.	Per Dozen	Diam. Thread Inches	Width Wick Inches
0	\$16.20	7/8	1/2
1	16.20	7/8	5/8



### FLAT WICKS—Fig. 302

	Per Dozen
Flat Wicks, No. 0, 1/2 inch wide	\$1.32
Flat Wicks, No. 1, 5/8 inch wide	1.44
Flat Wicks, No. 2, 7/8 inch wide	1.68



### 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
\$72.00	\$21.60	\$3.00	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.

Clear Each	Red Each	Green Each	Blue Each
\$4.95	\$8.80	\$7.00	\$7.00



### LIP OR DUAL CHIMNEYS—Fig. 267

No.	Per Dozen	Height Inches	Diam. Bottom Inches
2	\$24.00	6	2-1/16



### HORNET CHIMNEY AND BURNER—Figs. 230 & 231

Clear Chimney — Brass Burner

Used on Cabin Lamp Fig. 141 Size 1 and Fig. 168 Size 0. Burner uses Flat Wick Fig. 302, No. 0

Chimneys Per Dozen	Burners Per Dozen	Chimney Size Inches	Burner Thread Inches
\$13.20	\$22.80	4-5/8 x 1-1/2	7/8



### ROUND GLOBES—Fig. 264

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

Size Inches	Clear Each	Frosted or Colored Each	Top Inches	Diameter Bottom Inches	Height Overall Inches
6	\$ 9.00	\$14.50	3-1/8	3-1/8	6-3/16
8	12.00	19.50	4	4	7-1/2
10	18.00	28.50	5-3/8	5-3/8	10-1/8

NO GREEN →

W.O. BLUE ALL SIZES

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

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

Clear. . . . . \$18.60 per dozen

Fig. 173 uses Flat Wick Fig. 302, No. 2. Thread diameter is 1-3/16 inches. Weight is 1-1/2 ounces.

All Brass \$19.80 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	\$4.15	3-5/8	3-3/16	2-1/2
291	5.75	3-5/8	3-3/16	3
292	5.75	3-5/8	3-3/16	3-1/2
733 Oil or Electric	4.15	3-1/2	2-5/8	2



Fig. 286  
Oil



Fig. 733  
Oil or Electric



Fig. 291  
Electric  
Double Contact



Fig. 292  
Electric  
Medium Screw

Fig.	For Lights Figs.
286	06-17-18-19-20-49-97 and 44, 8 inch size
291	4-5-06-17-18-19-20-97
292	06-17-18-19-20-49-97 and 44, 8 inch size
733	1

### ★ SWIVEL TYPE—For Motorboat Lights

Fig.	Each	Diameter Overall Inches	Opening In Light Inches	Weight Per Dozen Pounds
274	\$5.75	4-1/2	4	4
287	4.15	4-1/2	4	3
293	5.75	4-1/2	4	4

Fig.	For Lights Figs.
274	44, 6 inch size
287	02-69 and 44, 6 inch size
293	02-69 and 44, 6 inch size



Fig. 287  
Oil



Fig. 274  
Electric  
Medium Screw



Fig. 293  
Electric  
Double Contact

### ★ 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	\$7.20	\$13.50	\$8.35	\$12.50
1	7.20	13.50	8.35	12.50
2	8.35	14.35	8.35	12.50

\* Complete with Burner, Wick and Chimney

Size No.	Height Fig. 282 Inches	Diameter Overall Inches	Diameter Opening In Light Inches
0	2-7/8	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 27.

### ★ For Royal Lights Figs. 89, 91, 98 and 99.

Fig.	Each	Diam. Overall Inches	Opening In Light Inches	Weight Ounces
138	\$2.90	2-3/16	1-7/8	1-1/2

Specify whether for Class 1, 2, or 3

### NOTES

Oil burners and wicks, see Figs. 242, 246, and 302.  
 D. C. Electric Socket for Figs. 138, 291, 293. See Fig. 52.  
 Medium screws sockets for Figs. 274, 288 and 292, see Fig. 346, No. 1.  
 Chimneys — See Fig. 267



Fig. 282  
Oil



Fig. 288  
Electric  
2 Wire  
Medium Screw



Fig. 1082  
Electric  
3 Wire  
Mogul



Fig. 138  
Double Contact



# FRESNEL LENSES

FOR SIDE AND COMBINATION LIGHTS  
112-1/2 DEGREES

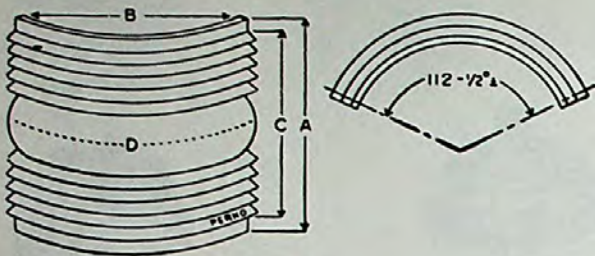


Fig. 259

For Motor Boats	A In.	B In.	C In.	D In.	Red or Green Each
Class 1	3-5/16	2-9/16	2-7/8	3-5/8	\$3.65
Class 2	4-1/4	3-3/16	3-11/16	4-3/4	4.70
Class 3	5-3/16	3-11/16	4-3/8	5-9/16	6.00

For Vessels Over 65 ft.

No. 0	5-1/2	5-3/4	5	8-5/16	\$14.30
No. 1	6-3/4	6	6	8-5/8	19.00
No. 2	7-1/2	8-1/2	6-7/8	11-3/8	25.00
No. 3	8-1/2	9-3/4	7-3/4	13	29.00

FOR ANCHOR LIGHTS—360 DEGREES

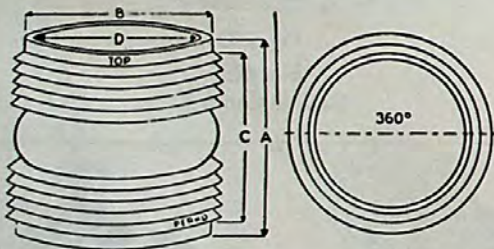


Fig. 261

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Junior	3-5/16	3-3/16	2-7/8	2-3/4	\$3.55	\$4.40
Senior	4-1/4	4	3-9/16	3-7/16	4.30	6.35

For Vessels Over 65 Ft.

No. 0	5-1/2	5-1/4	5	4-3/8	\$14.30	\$23.00
No. 1	6-3/4	5-1/4	6-1/8	4-1/2	20.00	29.00
No. 2	7-1/8	7-5/16	6-1/8	6-7/8	23.00	35.00
No. 3	8-1/2	8-1/2	7-3/4	7-3/4	29.00	46.00

**COLORS AVAILABLE**

**SIZE**

Junior  
Senior, 0, 1, 2  
3

**COLORS**

Red, Green, Amber, Blue  
Red, Green, Amber  
Red

FOR BOW LIGHTS—180 DEGREES

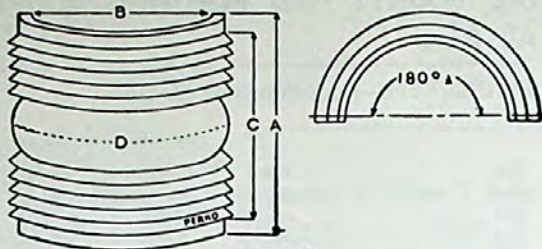


Fig. 260

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Class 2	4-1/4	3-1/4	3-5/8	6-3/8	\$ 4.70	\$ 7.45
Class 3	5-3/16	3-7/8	4-9/16	7-13/16	6.00	9.00
Mld. 59	7-3/8	6-7/8	6-3/8	12-5/8	22.00	31.00

**COLORS AVAILABLE**  
**COLORS**

**SIZE**

Class 2 Red, Green Blue, Amber  
Class 3 Green, Blue, Amber  
Mld 59 Red, Green, Amber

FOR MASTHEAD LIGHTS—225 DEGREES

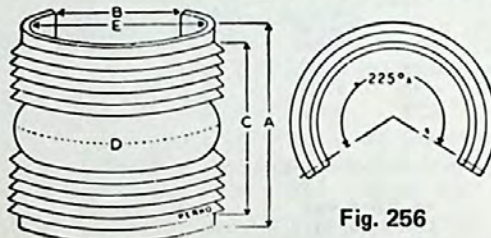


Fig. 256

	A In.	B In.	C In.	D In.	E In.	Clear Each	Colored Each
Class 1	3-5/16	3	2-7/8	7-1/8	2-3/4	\$ 4.15	\$ 6.75
Class 2	4-1/4	3-3/8	3-5/8	8-3/8	3-1/4	5.00	7.50
Class 3	5-1/8	3-1/4	4-1/2	10-1/8	4	6.35	9.50
No. 0	5-1/2	4	5	12-1/8	4-3/8	16.00	29.00
No. 1	6-3/4	4	6	12-1/8	4-1/2	21.00	34.50
No. 2	7-1/2	5-7/8	6-3/4	16-3/8	6-1/2	31.00	43.00
No. 3	8-1/2	6-7/8	7-5/8	18-5/8	7-3/4	35.00	

**COLORS AVAILABLE**  
**COLORS**

Classes 1, 2, 3  
Nos. 0, 1, 2

Red, Green, Amber  
Red, Amber

FOR STERN LIGHTS—135 DEGREES

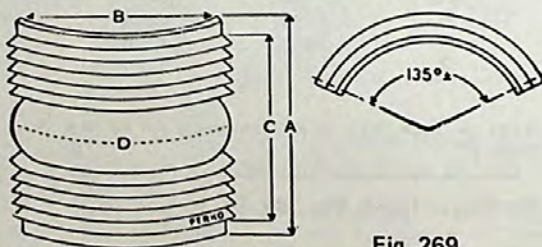


Fig. 269

	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Class 1	3-5/16	3	3-5/8	4-1/2	\$ 3.60	\$ 6.00
Class 2	4-1/4	3-1/2	3-5/8	4-7/8	4.40	8.80
Class 3	5-1/8	3-5/8	4-1/2	6	8.80	11.50
No. 0	5-1/2	4-3/8	4-7/8	7-1/2	13.00	17.00
No. 1	6-3/4	4-3/8	6-1/8	7-1/2	16.00	18.00
No. 2	7-1/2	6-3/8	6-3/4	10	18.50	29.00
No. 3	8-1/2	7-1/2	7-3/4	11-1/4	22.00	34.00

**COLORS AVAILABLE**

**SIZE**

Classes 1, 2 Red, Green, Amber  
Class 3 Amber  
No. 0 Red, Amber

**SIZES**

No. 1 Red, Blue, Amber  
No. 2 Blue, Amber  
No. 3 Blue, Green



## FRESNEL GLOBES

FOR POLE, MAST AND STERN LIGHTS

Fig.	Clear Each	Red Each	Green Each	Blue Each	Amber Each
77	\$3.30	\$4.40	\$4.40		
106	4.60	6.30	6.30	\$6.30	\$6.30
248-P	1.30				
249	3.85				
250	2.90	3.50	3.50	3.50	3.50
604-P	1.30	2.30	2.30		



Fig. 77



Fig. 106



\*Fig. 248-P

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	13/16	1-1/16	1-3/4

FIG. 77 for FIGS. 488 and 489.  
 FIG. 106 for Figs. 112, 145, 309, 540, 541, 542.  
 FIGS. 248-P and 250 for Light Figs. 48, 329, 362, 371, 422, 428, 438, 455, 491, 645, 658, 687, 1134, 1135, 1137, 1209, 1233, 1258, 1294.  
 FIG. 249 for Light Figs. 103.  
 FIG. 604 for Light Figs. 404, 609.

\*Globes are high grade acrylic plastic.



Fig. 249



Fig. 250



\*Fig. 604-P

## PLASTIC GLOBES ACRYLIC

Fig.	Each	Height Inches	Inside Diam. Inches	Outside Diam. Inches	Weight Ounces
74-P	\$ .85	1-1/4	1-3/8		1/2
186-P	1.00	2-1/8	1-1/2		3/4
229	.85	1-1/4	1-3/8		3/8
284	.85			2-1/8	1/4
296	1.45	1-1/4	1-3/8		1/2

Figs. 74 and 186 in clear, red or green.  
 Fig. 74 for S.S. Lights, Figs. 902, 963, etc.  
 Fig. 186 for Figs. 910, 911, 1278, 1279, etc.  
 Fig. 229 Clear for Figs. 421, 1148, 1206.  
 Fig. 284 Clear, For Fig. 939.  
 Fig. 296 Red and Green, For Figs. 904, 972.  
 Figs. 74P, 229, 296 Have Internal Magnifying Section For Higher Light Intensity, Greater Distance.



Fig. 74-P



Fig. 186-P



Fig. 296



Fig. 229



Fig. 284

## 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			\$1.90			2-3/4
4			2.50			4
5		4.40	2.75		5-3/8	5
6			3.20			6
8	\$3.95			7-3/4		



Fig. 132



Fig. 133



Fig. 257

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



ALL ILLUSTRATIONS  
SHOW ACTUAL SIZE OF BASE



Bayonet  
Double Contact  
(D.C.)



Miniature  
Bayonet



Miniature  
Screw



Medium  
Screw



Medium  
Prefocus



Mogul



Cartridge Type

## ELECTRIC LIGHTING LAMPS

### FIG. 337 BAYONET D.C. BASE

No.	Volts	Candle Power	Amps.	Watts.	Diameter Bulb Inches	Clear Each	Frosted Each
2 -	2.9		.15		1	\$2.50	
4 -	6-8	6			3/4	.28	
10 -	12-16	4			3/4	.24	
11 -	12-16	6			3/4	.28	
12 -	12-16	15			3/4	.40	
13 -	12-16	21			1	.44	
17 -	32	3			3/4	.70	
18 -	32	6			1	.75	
19 -	32	15			1	1.20	
23 -	120			10	7/8	.55	

Packed 5 Lamps to a box.

### FIG. 53 MINIATURE SCREW BASE

1 -	1.35	.06			3/8	\$ .52	
2 -	6	.04			9/16	.45	

### FIG. 56 MINIATURE BAYONET BASE

1 -	1.3	.1			7/16	\$ .80	
2 -	6	1.5	.40		7/16	.44	
3 -	5	.25	.09		7/16	.40	
4 -	12	6			13/32	.50	
5 -	14	14	.20		7/16	.37	

### FIG. 340 MEDIUM SCREW BASE

5 -	12			15	2-1/8	\$1.45	\$1.20
6 -	12			25	2-3/8		1.10
7 -	12			50	2-5/8		1.22
11 -	32			15	2-1/8		.95
12 -	32			25	2-3/8		.80
13 -	32			50	2-5/8		.80
17 -	120			50	2-3/8		.70
19 -	120			100	2-3/8		.70
20 -	120			15	1-3/8		.65

### 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	

### FIG. 70 CARTRIDGE TYPE BASE

0 -	12	6	.74		17/32x1-3/4	\$ .60
1 -	12	15	1.17		17/32x1-3/4	.60

FIGS. 800 to 820 HIGH POWER LAMPS FOR SEARCHLIGHTS -  
SEE PAGE 65.



### 4-WAY CONNECTOR FOR TRAILER LIGHTS—Fig. 739

This lustrously, chromium plated, die cast 4-way plug-in socket set is the convenient answer to connecting all trailer lights with auto electrical system. The receptacle end is recessed into the auto body. It features a snap cover which keeps moisture out when plug is not in use and also serves to lock the male plug fast into socket when lights are hooked-up. The plug is keyed to assure all lights are properly connected. Both the socket and the plug are easily wired to inside screw terminals.

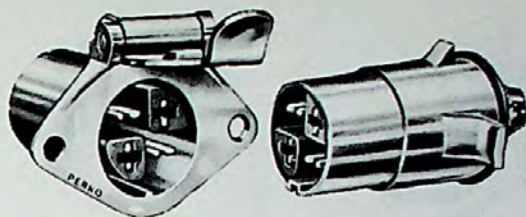


Fig. 739

Each	Length Overall Inches	Width Flange Inches	Weight Ounces
\$4.00	3-3/4	2-1/8	4-1/2



### 4-PRONG CONNECTOR—Fig. 751

Plastic Body — Soft Plastic Caps — Screw Terminals  
Fixed Polarity — All Brass  
Excellent for boat trailer electrical hookups.



Fig. 751

Each	Size Inches	Weight Ounces
\$1.65	1 x 2 3/4	1

Standard package 10 pieces.



### DOUBLE CONTACT CONNECTOR—Fig. 749

Plastic Body — Brass Contacts — Soft Plastic Waterproof Caps



Fig. 749

Each	Size Inches	Weight Dozen Ounces
\$1.25	13/16 x 2	10

Standard package 10 pieces.



### DOUBLE CONTACT CONNECTOR—Fig. 42

Bakelite Insulation — Brass Contacts



Fig. 42

Each	Size Inches	Weight Dozen Ounces
\$1.20	1 x 9/16	6



### BAYONET SOCKETS—Fig. 472

Phenolic — Single and Double Contact

No.	Each	Type	Height Inches	Diam. Base Inches	Weight Dozen Ounces
20	\$1.85	Double contact	1	1-3/8	9
21	1.85	Single contact	1	1-3/8	9

Standard package 10 pieces.



### ELECTRIC SOCKET ADAPTERS—Fig. 405

For Converting Various Types of Sockets

No.	Each	
1	\$1.40	From Bayonet Dble. Contact to Med. Screw
2	1.75	From Med. Screw to Bayonet Dble. Contact
3	1.75	From Mogul to Medium Screw

Standard package 5 pieces.



### 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	\$1.10	\$.12	1-5/8	2x1-1/4	1-1/2



Fig. 222



Fig. 405

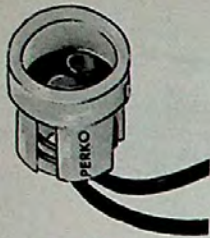


Fig. 24

## BAYONET DOUBLE CONTACT SOCKETS – Fig. 24

Delrin Body – Bronze Spring – Non Corrosive – with Pigtails

A new socket with a single phosphor bronze spring, positive contact

No.	Each	Length Pigtails Inches	Outside Diameter Inches	Length Inches	Weight Ounces
1	\$ .75	12	3/4	3/4	3/8
2	1.25	60	3/4	3/4	3/4

Standard package, 10 pieces

No. 1 used in Figs. 89, 91, 98, 99, 421, 422, 428, 438, 455, 491, 955, 1202, 1203, 1211, 1215, 1217.

No. 2 used in Figs. 645, 658, 687, 1134, 1135, 1137, 1148, 1206, 1209, 1233, 1258, 1294.



## BAYONET DOUBLE CONTACT SOCKET—Fig. 52

Brass Case – Bronze Spring

Each	Outside Diameter Inches	Length Inches	Length Pigtails Inches	Weight Ounces
\$ .60	11/16	7/8	5	1/2

Standard package 10 pieces.

This socket used with the following items:

277	362	521	1144
294	371	980	1282
329	375	984	1283

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



## BAYONET DOUBLE CONTACT SOCKETS—Fig. 747

Brass Case – Hard Rubber Insulation

Each	Length Inches	Outside Diameter Inches	Weight Dozen Ounces
\$1.40	1-1/8	11/16	6

Wires enter bottom, screws in side.  
Standard package 10 pieces.



## BAYONET DOUBLE CONTACT SOCKETS—Fig. 276

Brass Case – Tapped 1/8 Inch I.P.S.

No.	Each	Length Overall Inches	Weight Per Dozen Ounces
0	\$1.20	1-1/2	7
2	1.20	2	11
3	1.20	2-3/8	14
4	1.20	3	16



## SCREW TYPE SOCKETS

### PHENOLIC

Fig. 346 – 250 Volts – 660 Watts – C.G. Approved

No.	Each	Size Thread Inches	Height Inches	Extreme Diameter Inches	Weight Dozen Pounds
1	\$ .80	1/8	1-7/8	1-3/8	1
2	.80	3/8	1-7/8	1-3/8	1

Standard package 5 pieces.

Fig. 270 – 600 Volts – 1500 Watts – Navy 9-4779-L

Each	Height Inches	Outside Diam. Inches	Weight Ounces
\$4.00	2-3/16	2-1/8	6

With white metal mounting cap tapped 3/8 inch I.P.S. add \$.50 each.



Fig. 52



Fig. 747



Fig. 276



Fig. 346  
Medium Screw  
2 Wire



Fig. 270  
Mogul  
3 Wire

BUY STANDARD PACKAGES



## PLASTIC CABLE STRAPS – Fig. 196

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".

No.	Cable Diameter Inches	Per 100	No.	Cable Diameter Inches	Per 100
1	3/16	\$3.00	5	1/2	\$4.50
2	1/4	3.25	6	5/8	5.50
3	5/16	3.50	7	3/4	6.75
4	3/8	3.70			

Standard package 100 pieces per size Minimum Quantity.



Fig. 196

## BRASS CABLE STRAPS—Fig. 121

For Cable, Tubing, Control Wire, Etc.

No.	Inside Diam. Inches	Per 100	Length Inches	Width Inches	No.	Inside Diam. Inches	Per 100	Length Inches	Width Inches
1	1/8	\$3.85	1-7/16	1/2	6	7/16	\$5.50	1-5/8	1/2
2	3/16	4.10	1-3/8	1/2	7	1/2	5.85	1-1/2	1/2
3	1/4	4.50	1-5/16	1/2	8	5/8	6.85	1-3/4	1/2
4	5/16	4.50	1-3/16	1/2	9	3/4	7.75	1-7/8	1/2
5	3/8	5.00	1-5/8	1/2					

Standard package 100 pieces per size Minimum Quantity.



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.

No.	For O.D. Line Inches	FIG. 163 Per 100	FIG. 164 Per 100	FIG. 165 Per 100	Width Inches
1	3/16	\$11.50	\$20.50		3/8
2	1/4	10.75	19.00		3/8
3	5/16	11.50	19.00	\$26.25	1/2
4	3/8	11.50	19.50	28.00	1/2
5	1/2	12.60	22.00	32.50	1/2
6	5/8	15.75			

Standard package 100 pieces per size Minimum Quantity.



Fig. 163  
Single



Fig. 164  
Double



Fig. 165  
Triple

BE SURE TO SPECIFY SIZE

## BLACK BAKELITE SWITCH NAME PLATES—Fig. 519

Engraved White Lettering

Stock name plates are:

Anchor Light	Horn	WO ~ Siren
Anchor Winch	WO - Ignition Lights	WO - Siren
Bilge Pump	WO - Master	WO - Spreader Light
Blower	WO - Masthead Light	WO - Stbd. Light
Bow Light	Misc.	WO - Starter
Cabin Lights	Neutral	WO - Stern Light
Choke	Off	WO - Switch
Compass	On	WO - Tachometer
Deck Lights	Outdrive Tilt	WO - Throttle
Docking Light	Panel Lights	WO - Towing Lights
Dome Lights	Pilot	WO - Water System
WO - Engine Room	WO - Port Light	WO - Wiper
WO - Fan	WO - Radio	12 Volt
WO - Flood Lights	WO - Range Light	32 Volt
Forward	WO - Reverse	110 Volt
Fuel	Running Lights	110V AC
Fuel Pump	WO - Searchlight	110V DC
WO - Heater		



Fig. 519

Each	Length Inches	Width Inches	Screw Size No.	Weight Per Dozen Ounces
\$.50	1-1/2	1/2	4	1/2

Standard package, 5 pieces each name.

Minimum Quantity, Stock Names, 5 Pieces.

Special name plates in standard size, \$.90 each. Minimum quantity 1 dozen each name.

Special name plates in special sizes. Price on application.

BUY STANDARD PACKAGES



Fig. 517



BACK VIEW OF IMPROVED PANEL



Fig. 626



Fig. 647



Fig. 629

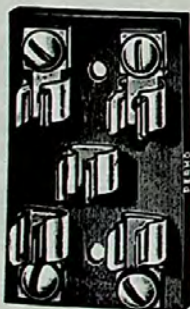


Fig. 694



Fig. 627

## 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
\$26.00	6-1/2x4-1/4	10

Spare Switches, See Fig. 745, No. 2

Spare Fuse Holders, \$1.00 each.

## FUSE PANELS—Fig. 626

Molded Plastic Base — Brass Parts — For 20 Amp. Glass Fuses

Number Of Gangs	Each	Dimensions Inches	Weight Ounces
3	\$2.00	2-1/4x2-7/16x3/16	2
4	2.75	3 x2-7/16x3/16	2-1/4
5	3.25	3-3/4x2-7/16x3/16	2-1/2
6	4.00	4-1/2x2-7/16x3/16	2-3/4

Standard package 5 pieces.

## COMBINATION FUSE AND TERMINAL BLOCK—Fig. 647

With Heavy Duty Binding Posts — Molded Plastic Base — Brass Parts — For 20 Amp. Glass Fuses

Number Of Gangs	Each	Dimensions Inches	Weight Ounces
4	\$ 7.50	3 x3-5/16x3/16	3-1/2
6	10.50	4-1/2x3-5/16x3/16	5
8	13.00	6 x3-5/16x3/16	7
12	20.00	9 x3-5/16x3/16	11

Standard package 5 pieces.

## FUSE PANELS—Fig. 629

With Single Buss Bar — Molded Plastic Base — Brass Parts — For 20 Amp. Glass Fuses

Number Of Gangs	Each	Dimensions Inches	Weight Ounces
4	\$ 4.00	3 x2-7/16x3/16	2
6	6.00	4-1/2x2-7/16x3/16	3
8	8.00	6 x2-7/16x3/16	4
12	12.00	9 x2-7/16x3/16	6-1/2

Standard package 5 pieces.

## FUSE PANEL—Fig. 694

Molded Plastic — Brass Metal Parts — For Glass Fuses up to 30 Amp

For two active fuses and one spare.

Each	Dimensions Inches	Length Fuse Inches	Weight Ounces
\$1.80	2-7/16x1-1/2x3/16	1-1/4	1-1/2

Standard package 5 pieces.

## TERMINAL BLOCKS—Fig. 627

Molded Plastic Base — Brass Parts

Number Of Gangs	Each	Dimensions Inches	Weight Ounces
2	\$1.25	1-1/2x1-1/2x3/16	1-3/4
4	2.30	3 x1-1/2x3/16	2
6	3.50	4-1/2x1-1/2x3/16	2-1/4

Supplied in even number of gangs only.

Standard package 5 pieces.

**BUY STANDARD PACKAGES**





## MODULAR SWITCH PANELS

### CHROMIUM PLATED

Embossed Turquoise Lettering – Aluminum Matte Background – Self-Adhesive Name Plates – Chromium Plated Brass Toggle Switches – Bakelite Fuse Holders for Glass Fuses.

Add to or remove sections as desired, size of panel and quantity of switches regulated only by the space available.

#### ASSEMBLED 5 POSITION PANEL—Fig. 512

This is a stock panel but section "B" may be added or names changed by dealer or owner. See selection of name plates below.

Each	Dimensions Inches	Weight Ounces
\$23.00	6-1/4x3-3/4	16

Note – This panel assembled with one section "A". Four section "B". One section "C".

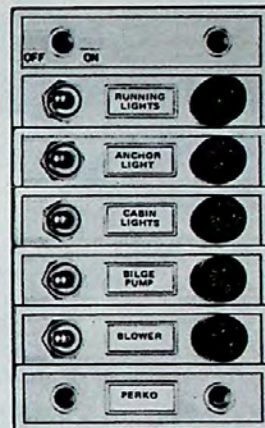


Fig. 512

#### MODULAR SECTIONS – Fig. 511

To be purchased individually and assembled by owner to meet requirements.

##### SECTION "A"

As illustrated, consists of top mounting panel, one switch, one fuse holder, no name.

Each	Dimensions Inches	Weight Ounces
\$3.50	1-3/4x3-3/4	3-1/2

##### SECTION "B"

Consists of one switch, one fuse holder, no name.

Each	*Dimensions Inches	Weight Ounces
\$3.50	7/8x3-3/4	2-1/2

##### SECTION "C"

Consists of bottom mounting panel.

Each	*Dimensions Inches	Weight Ounces
\$1.35	1x3-3/4	2-1/4

\*Does not include assembly eyes.

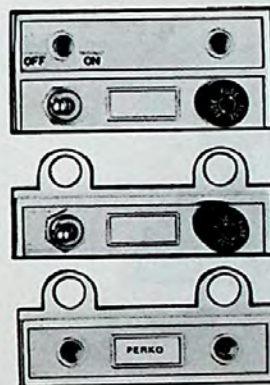


Fig. 511

#### NAME PLATE FRAMES – Fig. 531

##### Chromium Plated

To accommodate any of the following embossed self-adhesive name plates.

Each	Dimensions Inches	Weight Ounces
\$.28	1-1/2x1/2	1/2

Standard package—10 pieces.



Fig. 531

#### ALUMINUM NAME PLATES – Fig. 490

Embossed turquoise lettering - self adhesive. For all above panels and frames.

##### Name Selection Available.

Anchor Light  
Bilge Pump  
Blower  
Cabin Lights  
Compass

Dome Light  
Fuel  
Horn  
Masthead Light  
Misc.

Radio  
Running Lights  
Spreader Light  
Starter  
Wiper



Fig. 490

Each	Dimensions Inches
\$.30	15/16 x 3/8

Standard package—10 pieces.

Note – Personalized Name Plates for Section "C" supplied in minimum quantity of 50 pieces. Price on application.

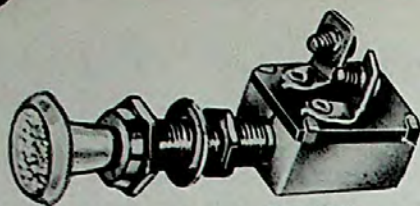


Fig. 105

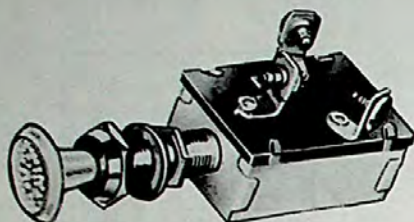


Fig. 321

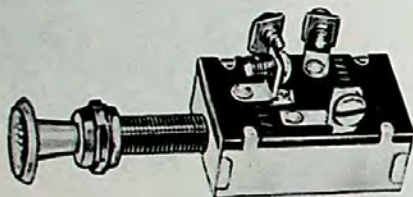


Fig. 366

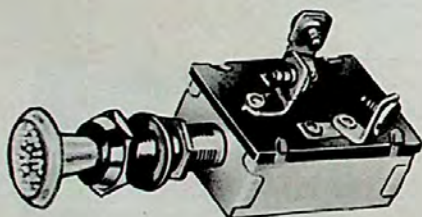


Fig. 381

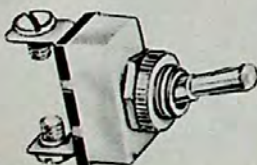


Fig. 688



Fig. 745

## PUSH AND PULL SWITCHES—Fig. 105

All Brass — 2 Terminal — OFF - ON

With Screw Terminals

No.	Chromium Plated Each	Diam. Neck Inches	For Wood Thickness Inches	Length Overall Inches	Diam. Knob Inches	Weight Ounces
1	\$1.80	3/8	1	3	3/4	2
2	\$2.00	3/8	1-1/4	3-1/4	3/4	2-1/2

With Quick Disconnect Terminals

3	\$1.80	3/8	1	3	3/4	2
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Standard package 10 pieces.

Available in Skin Pack, See Skin Pack Section.



## 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.

Chromium Plated Each	Diam. Neck Inches	Diam. Knob Inches	For Wood Thickness Inches	Weight Ounces
\$2.50	3/8	3/4	1	3-1/4

Standard package 10 pieces.

## 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.

Chromium Plated Each	Diam. Neck Inches	Diam. Knob Inches	For Wood Thickness Inches	Weight Ounces
\$2.50	3/8	3/4	1	3-1/4

Standard package 10 pieces.

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

All Brass — 3 Terminal — 3/4 Inch Chromium Plated Knob

3 position switch — OFF - ON - ON

First "on" position energizes one circuit. Second "on" position energizes all circuits.

With Screw Terminals

No.	Chromium Plated Each	Diam. Neck Inches	For Wood Thickness Inches	Length Overall Inches	Weight Ounces
1	\$2.45	3/8	1	3-3/4	3

With Quick Disconnect Terminals

3	\$2.25	3/8	1	3-3/4	3
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Standard package 10 pieces.

## TOGGLE SWITCH—Fig. 688

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

Nickel Plated Each	Length Neck Inches	Diam. Neck Inches	Max. Thickness of Panel Inches	Weight Ounces
\$1.25	3/8	7/16	3/16	1

Standard package 10 pieces.

## 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
\$1.05	7/16	7/16	5/16	3/4

With watertight cap and chain, add \$1.20 each.

NOTE—Spare Plastic, Chromium Plated knobs for above Push-Pull switches, \$.40 each.

**BUY STANDARD PACKAGES**



**MOMENTARY STARTER SWITCH  
OR DASHBOARD HORN BUTTON—Fig. 255**  
All Brass — Push Button Type — 2 Point, 2 Terminal Spring  
Action — Chromium Plated Button — 15 Amp.

With Screw Terminals				
No.	Each	Diameter Neck Inches	For Wood Thickness Inches	Weight Ounces
1	\$2.50	5/8	1	2-1/2
With Quick Disconnect Terminals				
3	\$2.30	5/8	1	2-1/2
Standard Package, 10 Pieces				

Available in Skin Pack — See Skin Pack Section

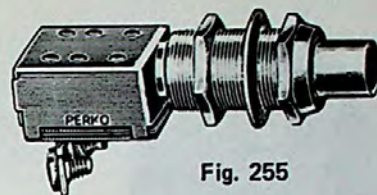


Fig. 255

**NEW WATERPROOF  
MOMENTARY STARTER SWITCH  
OR DASHBOARD HORN BUTTON— Fig. 306**  
All Brass — Push Button Type — 2 Point, 2 Terminal Spring  
Action — Neoprene Cover Over Button — 15 Amp.

With Screw Terminals				
No.	Each	Diameter Neck Inches	For Wood Thickness Inches	Weight Ounces
1	\$3.25	5/8	1	2-1/2
With Quick Disconnect Terminals				
3	\$3.00	5/8	1	2-1/2
Standard Package, 10 Pieces Spare covers with Nut. \$1.00 each.				

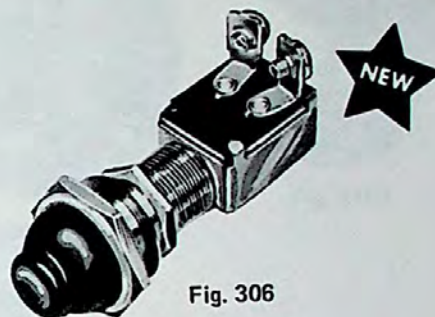


Fig. 306

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

No. 1 Die Cast Zinc Housing  
No. 2 All Brass

No.	Each	Diameter Neck Inches	Length Neck Inches	Weight Ounces
1	\$3.40	3/4	5/8	4
2	4.85	13/16	1	4-1/2

Standard Package, 10 Pieces  
 Available in Skin Pack — See Skin Pack Section.

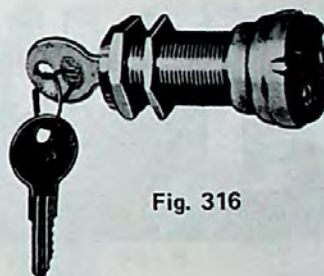


Fig. 316

**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
\$6.00	3/4	1-1/16	4-1/2

Standard Package, 10 Pieces

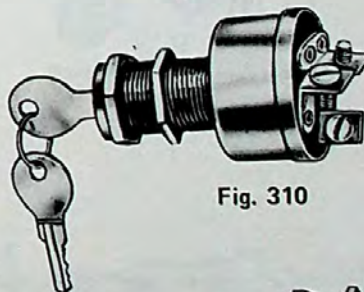


Fig. 310

**MAGNETO IGNITION STARTER SWITCH—Fig. 304**  
All Brass — 5 Terminals — 2 Keys —  
3 POSITIONS - OFF - RUNNING - START  
Face Nut Chromium Plated, Stainless Steel Springs

Each	Diameter Neck Inches	Length Neck Inches	Weight Ounces
\$6.25	13/16	1-1/4	8

Standard package, 5 Pieces.

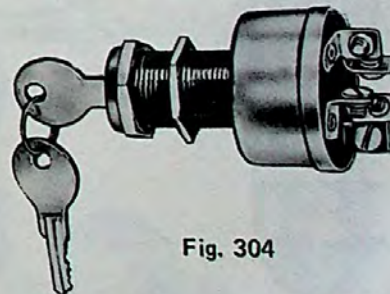


Fig. 304



Fig. 85-A



Fig. 96

## IMPROVED SAFETY MAIN SWITCHES

Red Lexan Plastic Housing — Vapor Tight — Bakelite Control Knob — Copper Contacts — Brass Terminals — Stainless Steel Spring.

For Use With Alternators or Generators.

Rated at 210 amperes continuous, 315 amperes intermittent. (6, 12, and 32 volts)

Supplied for flush mounting with battery cable through bulkhead.

Tested and accepted for labeling and listing by the Yacht Safety Bureau, Inc.

Fig. 85-A for 2 or more batteries

Fig. 96 for a single battery.

Each	Diameter Inches	Depth Inches	Weight Ounces
\$16.50	5	1-3/4	10

If offset mounting is required permitting cable to pass in back of housing, we supply a set of offset legs 1/2 inch long. Per set \$.65.

Spare Control Knobs \$.85 each.

Available in Skin Pack — See Skin Pack Section.

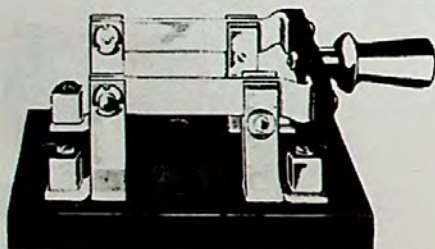


Fig. 191

## 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	\$ 9.50	60	6-3/4 x 1-5/8 x 5/8	3/4
2	16.75	100	6-3/4 x 2 x 3/4	2-1/2
3	26.50	200	10 x 3 x 1	4

### SINGLE POLE — DOUBLE THROW

4	\$14.50	60	9-1/4 x 2 x 3/4	3-1/2
5	29.00	100	10 x 3 x 3/4	4
6	43.50	200	12 x 4 x 1	8

### DOUBLE POLE — SINGLE THROW

7	\$12.50	60	6 x 4-1/2 x 5/8	3
8	24.00	100	7-1/8 x 5 x 3/4	3
9	41.50	200	9-1/2 x 6 x 1	10-1/4

### DOUBLE POLE — DOUBLE THROW

10	\$19.50	60	9-1/2 x 6 x 3/4	5-1/4
11	45.50	100	10-1/4 x 7 x 3/4	8-1/2
12	65.50	200	15 x 7-3/4 x 1	16



Fig. 1087  
Ceiling Type



Fig. 1090  
Bulkhead Type

## VAPOR-PROOF FIXTURES—Figs. 1087 & 1090

Combination Junction Box — Ceiling and Bulkhead Type  
6" Cast Guards — Screw Glass Globes — Clear — Pressure Die Cast Aluminum — Non Corrosive — Satin Finish.

Fig.	Type	Each	For Lamp Wattage	Weight Pounds
1087	Keyless	\$22.00	60 to 100	1 3/4
1090	Keyless	24.50	60 to 100	2

Spare Guards, \$7.50 Each. Spare Globes, \$3.50 Each.

Above fixtures have four 1/2 inch I.P.S. tappings.  
With Colored Globes, Red, Green or Amber Price on Application.



## WATERTIGHT DECK CONNECTIONS—Fig. 1189

Brass with Black 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
\$5.60	1-5/8	1-3/16	2

Standard Package, 10 Pieces



## 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 \$2.90

Standard Package, 10 Pieces



## WATERTIGHT CABLE OUTLETS—Figs. 424 & 1191

All Brass or Zamak — Chromium Plated

Has rubber grommet for watertight passage of cable through deck or bulkhead, also prevents chafing of cable insulation.

Fig. 424 Each	Fig. 1191 Each	Diameter Base Inches	For Cable Inches	Weight Ounces
\$3.25	\$2.00	1-1/4	5/16	1

Standard Package, 10 Pieces



## 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
\$4.25	3-1/8	3/4	1-3/4	5

Part A — Complete with Cap and Chain, each \$2.50

Part B — Live Connector only, each \$1.25 Parts B and C — Connector with cover, each \$2.50

Part C — Less Part B, each \$1.80

Part A — only supplied complete as illustrated



## 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
\$.80	2-1/8	5/8	3/4

Standard Package, 10 Pieces



## 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
\$1.55	2-5/8	2-1/8	1-1/2	1

Standard Package, 10 Pieces



Fig. 1189



Fig. 1190



Fig. 424—All Brass

Fig. 1191—Zamak

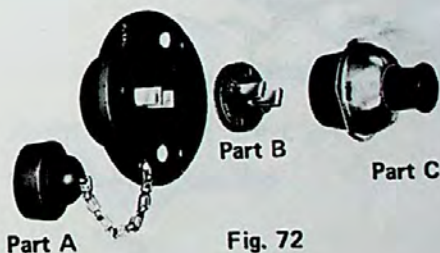


Fig. 72

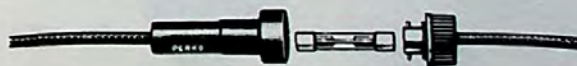


Fig. 786



Fig. 275

BUY STANDARD PACKAGES



Fig. 268



Fig. 277



Fig. 265



Fig. 329

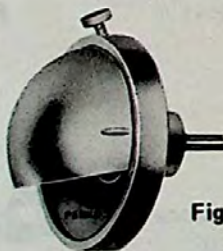


Fig. 1254



Fig. 707

### SPREADER FLOODLIGHT—Fig. 268

All Brass — Chromium Plated — Sealed Beam — 12 Volts

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

Each	Diameter Overall Inches	Depth Inches	Size Mounting Plate Inches	Weight Pounds
\$17.50	4-5/8	4-1/4	5-5/8 x 3/4	1-1/4

Spare sealed beam units, \$3.50 each

### "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
\$8.35	3	3	3-1/8 x 7/8	5

Can be furnished with 15 C.P. Bulb, add \$.30 each.

### "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
\$5.75	2-3/4	1-1/8	2-1/2

### 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.

Chromium Plated Each	Size Base Inches	Length Overall Inches	Diam. Globe Inches	Wt. Lbs.
\$31.50	3-3/8 x 1-3/4	9	2-1/2	2

Bulbs, see Fig. 337 all sizes listed.

### ADJUSTABLE UTILITY LIGHT — Fig. 1254

Zamak Die Casting — Chromium Plated — Bayonet D.C. 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
\$4.40	2-5/8	3/4	7/8	6

### 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
\$6.75	8	5



### INDICATOR LIGHT—Fig. 134 WITH DIMMER FOR NIGHT RUNNING

Polished Chromium Plated Brass Bezel  
Chromium Plated Facing Washer — Red Lens  
Screw Terminals

To regulate the brightness of light simply rotate the Bezel

Each	Diameter Lens Inches	Max. Panel Thickness Inches	Diameter Bezel Inches	Weight Ounces
\$4.75	1/2	1/2	7/8	1-1/2

Lamp Not Included — See Fig. 56 No. 5.



Fig. 134

### INDICATOR LIGHT—Fig. 135 WITHOUT DIMMER

Polished Chromium Plated Brass Bezel  
Chromium Plated Facing Washer — Clear Lens  
Screw Terminals

Each	Diameter Lens Inches	Max. Panel Thickness Inches	Diameter Bezel Inches	Weight Ounces
\$4.10	3/4	1/2	7/8	1-1/2

Printed discs indicating switch or light, available for this unit.  
Also colored lenses, prices on application.

Lamp Not Included — See Fig. 56 No. 5.



Fig. 135

### "GLO-LITE" INDICATOR LIGHTS—Figs. 136 & 137 With 12 Volt Bulb — Red Color

Fig. 136 for snap in mounting in thin panels.  
Fig. 137 with Tinnerman nut for mounting in thick panels.

Fig.	Each	Diameter Lens Inches	For Diameter Hole Inches	Overall Length Inches	Weight Ounces
136	\$1.50	3/8	3/8	1-5/8	1/2
137	1.65	7/16	1/2	1-3/8	1/2

Available in green or blue, price on application.



Fig. 136



Fig. 137

### INSTRUMENT PANEL LIGHT—Fig. 139 Non Corrosive — Waterproof — Chromium Plated An excellent shielded light for instruments or charts.

Each	Diameter Shield Inches	Diameter Bezel Inches	Max. Panel Thickness Inches	Weight Ounces
\$4.00	1/2	3/4	3/8	3/4

Lamp Not Included — See Fig. 56 No. 5.



Fig. 139

### UTILITY LIGHT—Fig. 140 White Nylon — With 12 Volt Lamp

For instruments, charts or general fair illumination.

Each	Size Inches	Weight Ounces
\$1.60	1-3/8 x 5/8	1/4



Fig. 140

### DASHBOARD LAMP — Fig. 184 Brass — Chromium Plated — Double Contact Socket With Switch — For 6 C.P. Bulb

Bulb is not included.

Each	Length Overall Inches	Size Base Inches	Weight Ounces
\$4.60	2-1/2	1-11/16 x 1-3/16	1-3/4

Standard Package, 10 Pieces



Fig. 184



## ELECTRIC CABIN FIXTURES

ALL VOLTAGES TO 110



Fig. 1274

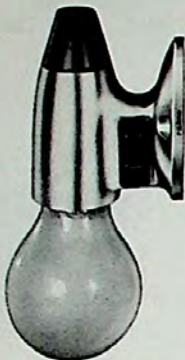


Fig. 1272

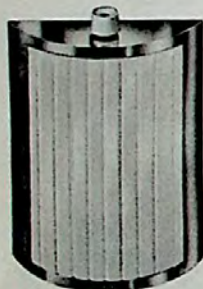


Fig. 1212



Fig. 217 - Zamak

Fig. 450 - Bronze



Fig. 1295

### NEW BULKHEAD FIXTURE—Fig. 1274

Zamak Die Casting — Chromium Plated  
Medium Screw Socket — Turn Switch

Each	Size Base Inches	Projection Inches	Weight Ounces
\$3.25	2-1/2x1-3/4	2-5/8	10

Available in Colors. See Acry-Color Section.

### NEW BULKHEAD FIXTURE—Fig. 1272

With Power Take-off Receptacle  
Zamak Die Casting — Chromium Plated  
Medium Screw Socket — Turn Switch

Each	Size Base Inches	Projection Inches	Weight Ounces
\$3.85	2-1/2x1-3/4	2-5/8	10

Available in Colors. See Acry-Color Section.

### NEW

### BULKHEAD OR CEILING FIXTURE—Fig. 1212

Zamak Die Casting — Chromium Plated  
White Plastic Globe

Two D.C. Bayonet Sockets — Turn Switch

This fixture designed for arrangement in Modular Form, i.e. More Light or Ship to Shore Hook Up.

Each	Length Inches	Width Inches	Depth Inches	Weight Ounces
\$5.75	5-1/2	4-1/2	1-1/2	12

Available in Colors. See Acry-Color Section.

### STREAMLINE PATTERN — Figs. 217 and 450

Zamak Die Casting or Cast Bronze with Turn Switch  
Medium Screw Sockets

Fig.	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Projection Less Lamp Inches	Weight Ounces
217		\$3.00	2-1/2x2-1/4	2-1/2	8
450	\$8.20	8.85	2-1/2x2-1/4	2-1/2	11

Spare socket with switch, \$1.10 each.

Fig. 217 available in colors. See Acry-Color Section.

### STREAMLINE PATTERN — Fig. 1295

Medium Screw Socket

With Power Take-Off 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
\$3.60	2-1/2x2-1/4	2-1/4	2-1/2	8-1/2

Spare socket with switch \$1.10 each

Spare power receptacle \$.50 each.

Available in Colors. See Acry-Color Section.

Fig. 217 Available in Skin Pack. See Skin Pack Section.





### CABIN FIXTURE

Aluminum - Acry-Color 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
\$7.25	6	6	3-1/4	6



### ADJUSTABLE BERTH LIGHT

Aluminum - Acry-Color Finish - Push Switch in Wall Plate - Adjustable Angle.

With metal shade for directional light or with translucent white plastic shade for diffused light.

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

No.	Fig. 341 Each	Fig. 372 Each	Normal Projection Inches	Diameter Wall Plate Inches	Weight Ounces
1	\$ 9.50	\$8.50	4-1/4	3-5/16	5-1/2
2	10.75	9.75	4-3/4	3-5/16	7



### DOUBLE ADJUSTABLE BERTH LIGHT

Aluminum - Acry-Color Finish.

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

No. 1 has two bayonet double contact sockets. No. 2 has two medium screw sockets.

No.	Each	Height Overall Inches	Normal Projection Inches	Diameter Wall Plate Inches	Weight Ounces
1	\$15.00	5-1/2	4	3-3/8	10-1/2
2	16.25	7	4-3/4	3-5/8	13



Fig. 370 BK-Black  
Fig. 370 BR-Royal Bronze  
Fig. 370 GD-Gold



Fig. 341 With Metal Shade  
Fig. 372 With Plastic Shade  
Add BK For Black  
Add BR For Royal Bronze  
Add GD For Gold



Fig. 354 BK  
Fig. 354 BR  
Fig. 354 GD  
See Above

Color Information? - See Acry-Color Section.

### MARINE SHIELDS FOR FIXTURES - Figs. 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
\$2.60	\$2.00	4-1/2	4-5/8	1

Standard Package, 10 Pieces



### SHIELD DESIGNS - 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
\$2.60	4-1/2	4-5/8	1

Standard Package, 10 Pieces



For Hanging Bulb  
Fig. 27



For Upright Bulb  
Fig. 28



Fig. 33



Fig. 34



Fig. 36


 Figs. 33, 34, 36 Available in Skin Pack - See Skin Pack Section.



Fig. 308

### FLUSH TYPE DOME LIGHTS—Fig. 308

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

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

No.	Diameter Glass Inches	Each	Diameter Overall Inches	Depth Above Flange Inches	Depth Below Flange Inches	Weight Ounces
1	4	\$ 9.25	4-1/2	3/4	1-1/4	7
2	5	10.25	5-1/2	3/4	1-1/2	9

COLOR

Available in Colors — See Acry-Color Section.



Fig. 300

### DOME LIGHTS — Fig. 300

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

No.	Diameter Glass Inches	Each	Diameter Overall Inches	Depth Overall Inches	Weight Ounces
1	4	\$10.25	5-3/8	1-7/8	9
2	5	11.50	6-1/2	2	11

COLOR

Available in Colors — See Acry-Color Section.



Fig. 294

### DOME LIGHT — Fig. 294

Wrought Brass — Chromium Plated — Toggle Switch —  
Double Contact Socket

With Fig. 257 Diffusing Globe.

No.	Diam. Glass Inches	Each	Base Inches Diam.	Depth Overall Inches	Weight Ounces
1	3	\$13.50	4-1/4	2	6
2	4	14.25	5-1/2	2-1/4	9
3	5	17.25	6-1/2	2-1/2	15
4	6	20.50	7-1/2	2-3/4	20



Fig. 385

### DOME LIGHT — Fig. 385

Wrought Brass — Chromium Plated — Opal Globe —  
Toggle Switch

With Fig. 346 Medium Screw Socket

Each	Diam. Base Inches	Diam. Globe Inches	Depth Inches	Weight Ounces
\$20.00	7	5-3/8	2-5/8	16

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



Fig. 555

### DOME LIGHT — Fig. 555

Cast Bronze — Chromium Plated — Toggle Switch —  
With Fig. 257 Diffusing Globe

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

Each	Diam. Globe Inches	Diam. Base Inches	Depth Inches	Weight Pounds
\$37.00	6	7-7/8	3-1/8	3-3/4



### 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
\$19.00	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.



Fig. 753

No.	Chromium Plated Each	Diameter Base Inches	Diameter Glass Inches	Depth Overall Inches	Weight Pounds
1	\$47.00	9-1/2	8	3	2
2	49.50	9-1/2	8	3	2-1/4



### 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

Figs.	Each	Length Overall Inches	Width Overall Inches	Depth Overall Inches	Weight Ounces
761	\$3.00	7	2-3/4	3/4	2
763	3.25	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 21 C.P. bulb. With stainless steel reflector, toggle switch and one packing gland for cable.

Plain Bronze Each	Chromium Plated Each	Extreme Diam. Inches	Diam. Globe Inches	Extreme Depth Inches	Weight Pounds
\$20.00	\$27.00	3-1/2	3-1/4	2-3/4	1-3/4

Spare Sockets, \$.85 each. Spare Globes, \$1.15 each.  
Extra packing glands installed, \$3.00 for each gland.

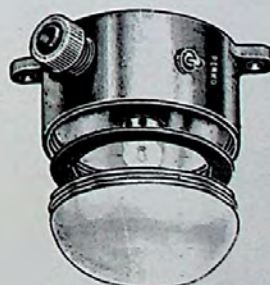


Fig. 1266



Fig. 312

## UNIVERSAL WALL OIL LAMP – Fig. 312

Brass

Has polished reflector and gives excellent illumination. Uses No. 2 size wick. Fig. 94 clear chimney and Fig. 173 burner.

Polished Brass Each	Spare Chimneys Each	Spare Burners Each	Height of Back Inches	Diam. of Fount Inches	Weight Pounds
\$13.50	\$1.55	\$1.65	9	5	1-1/2



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.

Polished Brass Each	Chromium Plated Each	Overall Height Inches	Extension Inches	Capacity Fount Pints	Weight Ounces
\$23.00	\$25.50	9	5	1/2	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 2-1/2 inches.

No.	Polished Brass Each	Chromium Plated Each	Overall Height Inches	Extension Inches	Capacity Fount Pints	Weight Pounds
1	\$27.00	\$29.50	10-1/2	5-1/2	1	1-3/4
2	28.00	31.00	12-1/2	6	1-1/4	2



## SMOKE BELL AND ARM – Fig. 128

All Brass

No.	Polished Brass Each	Chromium Plated Each	Diam. Bell Inches	Extension to Center Inches	Weight Ounces
0	\$6.00	\$7.75	3-1/2	3-1/2	3-1/2
1	6.00	7.75	4	3-3/4	4
2	6.00	7.75	4	4	4

No. 0 size is for lamp Fig. 168.

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



Fig. 128

## SPARE PARTS FOR CABIN LAMPS

No.	Each
0 and 1 Spare Burners Fig. 231	\$1.90
0 and 1 Spare Chimneys Fig. 230	1.10
2 Spare Burners Fig. 242 No. 2	4.10
2 Spare Chimneys Fig. 267 No. 2	2.00



**PERKO STAINLESS STEEL ALCOHOL STOVE – Fig. 364**  
**2 BURNER – PRESSURE TYPE – SATIN FINISH**

18-8 Stainless Steel Body and Tray. Cast Bronze Slotted Burners. Brass, Chromium Plated Guard Rail. Tray is removable for cleaning. Air pressure gauge shows best working pressure.

Pressure pump is brass and has back pressure valve. Fuel tank is hidden behind front apron and holds 1-1/8 gallons. Its top is lined with sheet asbestos for heat insulation. Front section of guard rail is removable.

Perko Burners are by reputation the most dependable and fastest heating of all alcohol burners in the marine field. Using a good grade of "burning alcohol," both burners will operate for 14 hours on one gallon of fuel and one pound of pressure.

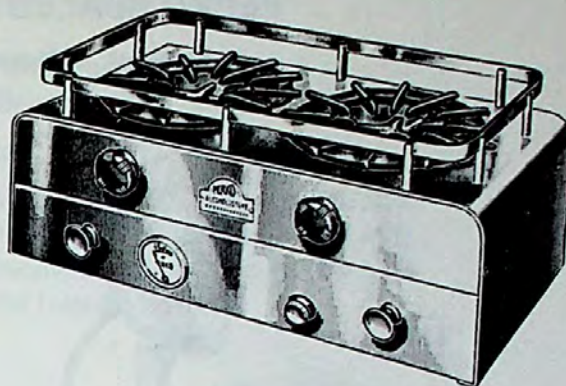


Fig. 364

Complete Each	Extreme Length Inches	Extreme Width Inches	Extreme Height Inches	Weight Pounds
\$132.00	20-1/2	12	8-1/2	27



**PERKO ALCOHOL BURNER – Fig. 367**  
**Cast Bronze**

Complete .....	Each \$26.00
Wire Brush Filters Only .....	3.30
Priming Pan Only .....	2.20
Packing Nut for Valve Stem .....	.65



Fig. 367



**AIR PUMPS – Fig. 368**  
**All Brass – For Alcohol Stoves**

Each	Length Inches	Diameter Inches	Weight Ounces
\$5.00	5	3/4	6



Fig. 368



**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
\$3.60	3	3	3/8	2



Fig. 365



**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
\$23.00	\$6.60	8	4	4	3-1/2

Standard Package, 12 Pieces. Minimum Quantity.



Fig. 326



## PERKO SEALED BEAM SEARCHLIGHTS

All Brass – Chromium Plated – Clear Lens

DECK CONTROL – Fig. 538

With Switch in Head

12 Volts – 50,000 Beam C.P. – Range About 1/4 Mile

Each	Diam. Lens Inches	Diam. Base Inches	Height Overall Inches	Weight Pounds
\$21.00	4-1/2	3-1/2	7-1/2	1-1/2



Fig. 538

DECK CONTROL – Fig. 534

With Toggle Switch – 12 or 32 Volts

SIZE

No. 2 – 12 Volts – 200,000 Beam Candlepower – Range About 1/2 Mile.

No. 3 – 12 Volts – 250,000 Beam Candlepower – Range About 5/8 Mile.

No. 3 – 32 Volts – 260,000 Beam Candlepower – Range About 3/4 Mile.

Horizontal Rotation 350 Degrees

No.	12 Volt Each	32 Volt Each	Nominal Diameter Inches	Dimensions Base Inches	* Height Above Deck Inches	Weight Pounds
2	\$65.00		6	4-7/8 x 3-1/8 x 2	12	4-5/8
**3	66.50	\$72.00	7	4-7/8 x 3-1/8 x 2	12-1/2	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 unit. It does not have the lens bezel illustrated. The unit is held in by a snap ring. Easily removable for quick replacement.

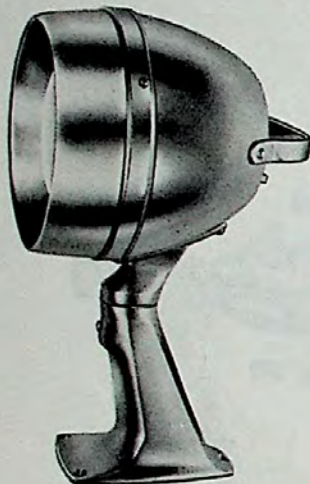


Fig. 534

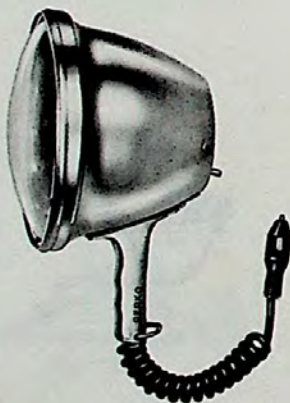


Fig. 440

HAND SEARCHLIGHTS – Figs. 440 and 539

Push Button Switch – 8 Feet of Coiled Cord

No. 1 –

12 Volts – 50,000 Beam C.P. – Range About 1/4 Mile

No. 3 –

12 Volts – 250,000 Beam C.P. – Range About 5/8 Mile

No. 3 –

32 Volts – 260,000 Beam C.P. – Range About 3/4 Mile

Fig. 440 has cigar lighter plug and loop in grip for hanging.

No.	12 Volt Each	32 Volt Each	Diam. Lens Inches	Weight Pounds
1	\$27.50		4-1/2	1-3/4
3	41.00	\$46.00	7	2-3/4

Fig. 539 has deck socket and is removable for portable operation.



Fig. 539

No.	12 Volt Each	32 Volt Each	Diam. Lens Inches	Weight Pounds
1	\$30.00		4-1/2	1-7/8
3	47.00	\$52.00	7	2-1/2



## 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 1/2 Mile.  
Size No. 3 — 12 Volts — 250,000 Beam Candlepower — Range About 5/8 Mile.  
Size No. 3 — 32 Volts — 260,000 Beam Candlepower — Range About 3/4 Mile.  
Horizontal Rotation 350 Degrees

### PILOT HOUSE CONTROL — Fig. 535

With White Rubber Grip on Lever Handle

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

No.	12 Volt Each	32 Volt Each	Nominal Diameter Inches	Dimensions Base Inches	*Height Above Deck Inches	Weight Pounds
2	\$80.00		6	4-7/8 x 3-1/8 x 2	12	5
**3	81.50	\$87.00	7	4-7/8 x 3-1/8 x 2	12-1/2	5-1/2

\*\*See note on fig. 534

For thickness of top or deck maximum 4-1/2 inches  
\*Height is overall, from deck to top of head.  
Length of control below base, 7-1/4 inches.  
Length of head overall, 6 inches.  
For special length of control, price on application.



Fig. 535

### 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

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	\$86.00		\$88.50		\$91.00	
3	87.50	\$93.00	90.00	\$95.50	92.50	\$98.00

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	5
**3	7	4-7/8 x 3-1/8 x 2	12-1/2	6	5-1/2

\*\*See note on fig. 534

#### 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 \$2.50 per foot or fraction thereof.  
Maximum length for smooth operation is 12 feet.

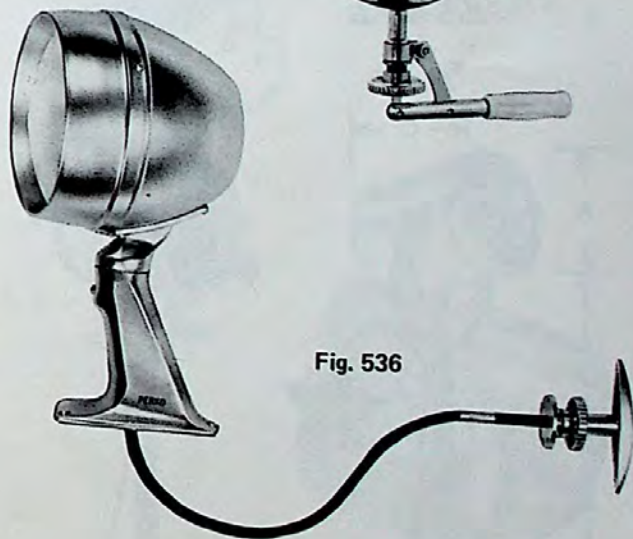


Fig. 536

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

No.	12 Volt Each	32 Volt Each	Watts	Amps.	Diam. Lens Inches	Beam C.P.
1	\$4.50		30	2.5	4-1/2	50M
2	7.25		100	8.3	6	200M
3	7.50		100	8.3	7	250M
3		\$12.25	200	6.4	7	260M



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 Mile

32 Volts — 260,000 Beam Candlepower — Range About 3/4 Mile

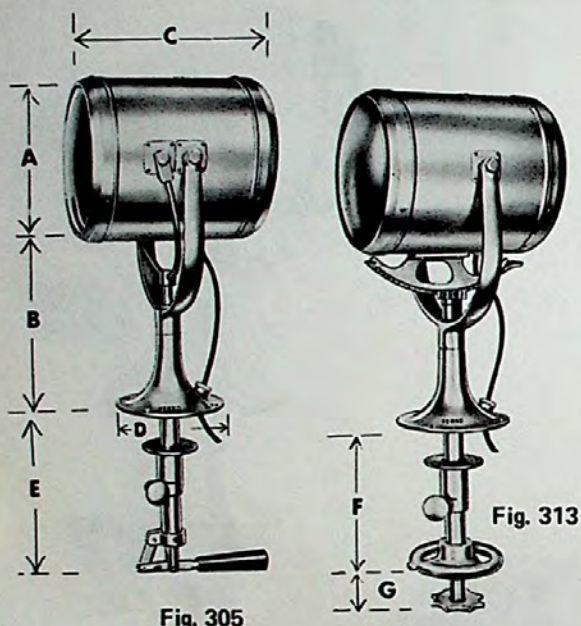


Fig. 305

Fig. 313

### CRUISER TYPE

LEVER CONTROL — Fig. 305

WHEEL CONTROL — Fig. 313

Painted Gray Each	Polished Brass Each	Chromium Plated Each	
\$180.00	\$180.00	\$205.00	
"A" Inches	"B" Inches	"C" Inches	"D" Inches
8	8-1/2	10	5-5/8
"E" Inches	"F" Inches	"G" Inches	Weight Pounds
8-1/2	7-1/4	2	14

For thickness of top or deck, maximum 4 inches.  
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.

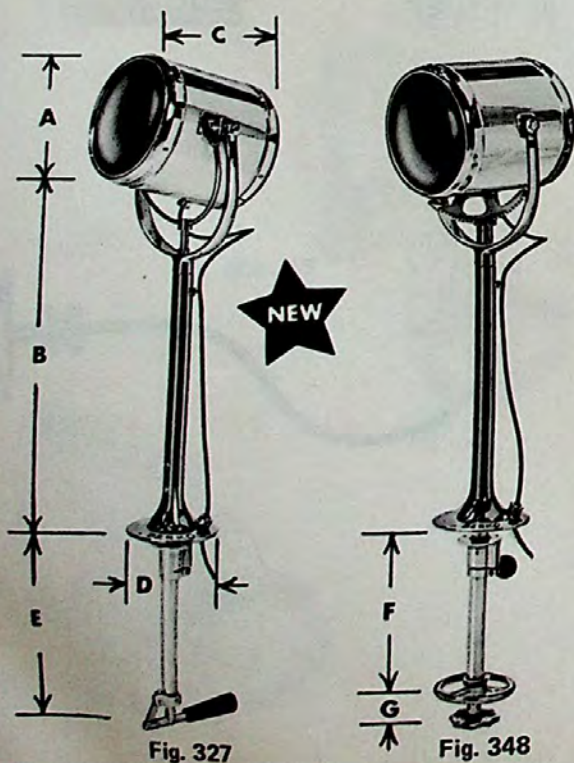


Fig. 327

Fig. 348

### HOUSEBOAT TYPE

Chromium Plated

LEVER CONTROL — Fig. 327

WHEEL CONTROL — Fig. 348

Each \$220.00			
"A" Inches	"B" Inches	"C" Inches	"D" Inches
8	20	10	5-5/8
"E" Inches	"F" Inches	"G" Inches	Weight Pounds
12	12	2	14

For thickness of top or deck, maximum 7-1/2 inches.  
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.





## PERKO "SOLAR-RAY" SEARCHLIGHTS

ALL VENTED

High Power — Mirror Reflector — 6-12-32-120 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	\$200.00	\$200.00	\$235.00
2	275.00	275.00	315.00
3	320.00	320.00	370.00

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

BULBS AND SOCKETS, SEE NOTE BELOW.

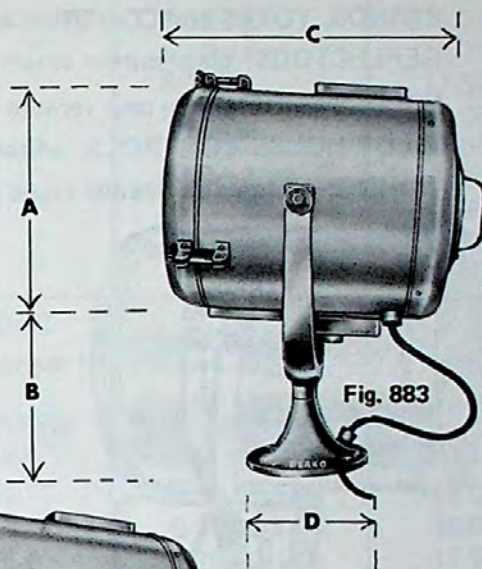


Fig. 884 LEVER CONTROL

No.	Painted Gray Each	Polished Brass Each	Chromium Plated Each
1	\$218.00	\$218.00	\$258.00
2	298.00	298.00	343.00
3	345.00	345.00	395.00

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

Maximum Thickness of Deck, 4 Inches.

Other Dimensions see Fig. 883

BULBS AND SOCKETS, SEE NOTE BELOW.

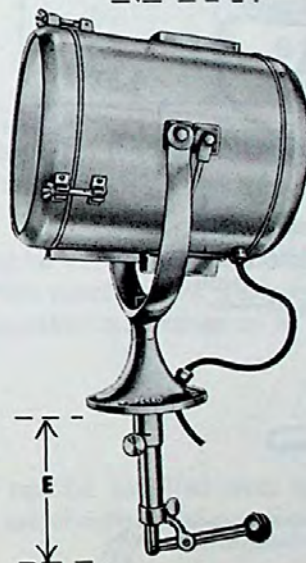


Fig. 884

Fig. 885 WHEEL CONTROL

No.	Painted Gray Each	Polished Brass Each	Chromium Plated Each
1	\$224.00	\$224.00	\$264.00
2	298.00	298.00	343.00
3	360.00	360.00	405.00

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

Maximum Thickness of Deck, 4 Inches.

Other Dimensions see Fig. 883

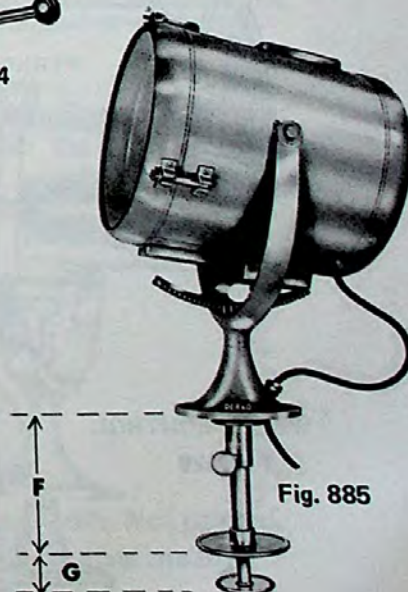


Fig. 885

NOTE — WHEN ORDERING SEARCHLIGHT, GIVE FIG. NO. OF BULB OR TYPE OF SOCKET AS LISTED ON PAGE 65.

BULBS NOT INCLUDED IN ABOVE PRICES, SEE PAGE 65 FOR RECOMMENDATIONS AND OTHER INFORMATION.

10 INCH SIZE HAS SINGLE VENTILATION  
12 AND 14 INCH SIZES HAVE DUAL VENTILATION



## PERKO HIGH POWERED DE LUXE SEARCHLIGHTS HEAVY DUTY – MARINE – ALL VENTED

With Mirror Reflector – 6-12-32-120 Volts – Packing Glands at Cable and Control Rod Entrances

**BODIES:** constructed of heavy wrought brass.

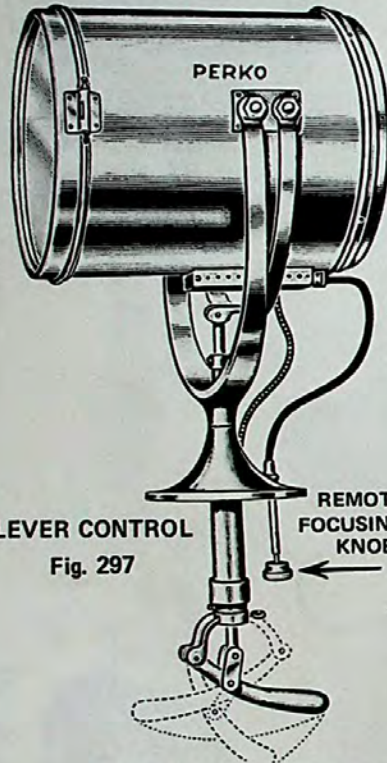
**STANDS, YOKES and CONTROL MECHANISM** are all cast bronze.

**REFLECTORS:** glass mirror which projects a highly concentrated beam of light a great distance.

**FOCUSING DEVICE:** new remote control type permits changing beam diameter from pilot house.

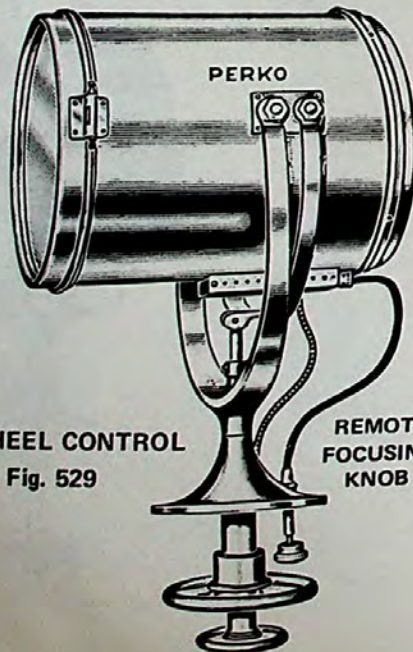
**PILOT HOUSE CONTROLS:** wheels or lever type. With locking device.

**WIRING:** enclosed in flexible metal hose, fully protected from weather.



LEVER CONTROL  
Fig. 297

REMOTE  
FOCUSING  
KNOB



WHEEL CONTROL  
Fig. 529

REMOTE  
FOCUSING  
KNOB

### LEVER CONTROLLED SEARCHLIGHT—Fig. 297

Size Inches	Polished Brass Each	Chromium Plated Each
8	\$345.00	\$380.00
10	380.00	415.00
12	465.00	510.00
14	555.00	600.00



### WHEEL CONTROLLED SEARCHLIGHT—Fig. 529

Size Inches	Polished Brass Each	Chromium Plated Each
8	\$365.00	\$400.00
10	408.00	443.00
12	500.00	545.00
14	585.00	630.00



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	6-7/8	30
10	14-3/4	9-1/2	21	6-7/8	34
12	17	11-3/4	24	6-7/8	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. Maximum thickness of deck for standard Fig. 297 is 4-1/4 inches. Fig. 529 is 5-1/2 inches.

**NOTE – GIVE FIG. NO. OF BULB TO BE USED – SEE PAGE 65. BULBS NOT INCLUDED IN ABOVE PRICES SEE PAGE 65 FOR RECOMMENDATIONS AND OTHER INFORMATION**

8 and 10 INCH SIZES HAVE SINGLE VENTILATION  
12 and 14 INCH SIZES HAVE DUAL VENTILATION



## PERKO SEARCHLIGHTS IMPORTANT INFORMATION

INCANDESCENT LAMP RECOMMENDATIONS						
FIG.	VOLTS	WATTS	*TYPE BASE	**RATED LIFE	SEARCHLIGHT SIZE-INCHES	PRICE
800	6	108	MEDIUM SCREW	50 HOURS	8-10-12	\$10.75
801	12	130 C.P.	D.C. BAYONET	50 "	8-10-12	4.75
802	32	300	MEDIUM SCREW	50 "	8-10-12	17.50
805	32	500	MEDIUM PREFOCUS	50 "	8-10-12-14	27.00
806	32	900	MOGUL	100 "	12-14	37.50
807	120	500	MEDIUM PREFOCUS	25 "	8-10-12-14	9.25
809	120	750	MEDIUM PREFOCUS	25 "	12-14	15.00
810	120	1000	MEDIUM PREFOCUS	25 "	12-14	14.75
811	120	1000	MOGUL	25 "	12-14	20.00

### "QUARTZ" TUNGSTEN-HALOGEN LAMP RECOMMENDATIONS

For more concentrated beam, longer distance, brighter light, longer life etc. we suggest these lamps in the following sizes.

FIG.	VOLTS	WATTS	BASE	**RATED LIFE	SEARCHLIGHT SIZE-INCHES	PRICE
816	12	100	2 PIN-PREFOCUS	50	8-10-12-14	\$11.00
817	32	225	2 PIN-PREFOCUS	50	8-10-12-14	18.00
820	120	600	2 PIN-PREFOCUS	75	8-10-12-14	12.50

\* Illustrations of these bases are shown on page 42.

\*\* These are the "Rated Average Laboratory Life-Hours" of the Bulb Manufacturer.  
No guarantee that the life is limited to the time indicated.

#### BULB INFORMATION NECESSARY —

To give good results the bulb and reflector must be perfectly compatible, therefore be sure to mention the Fig. No. of the Bulb desired. Peak candlepower is exceedingly sensitive to many factors, some of which are listed below, reduction may range up to 20%.

Light source out of focus by 1/32 inch.

Difference between Lamp Manufacturers

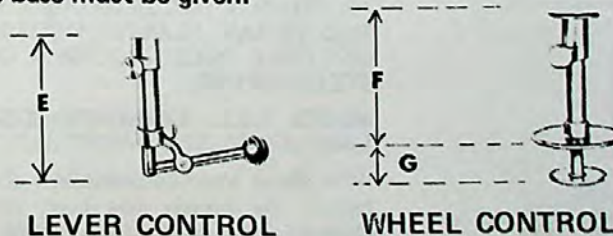
Under-voltage of only 4%.

#### SPECIAL CONSTRUCTION OF PEDESTAL —

Searchlights Figs. 297 - 529 - 883 - 884 - 885 can be supplied with special height of pedestal. Give overall height from deck to top of searchlight head not including controls. Supply sketch if possible. Price on application.

#### SPECIAL CONSTRUCTION OF CONTROLS —

We will supply special vertical length of controls to order. For Lever Controls per Figs. 297, 305 and 884 the "E" dimension, on Figs. 313, 529 and 885 the "F" and "G" dimensions below the base must be given.



All Searchlights on Pages 63 and 64 are equipped with Halo Deflectors.

On painted searchlights, the controls below the base have brushed brass finish. Not painted.

All 12 and 14 inch searchlights have dual ventiation, very necessary to dissipate the high heat of 500 or 1000 watt bulbs.

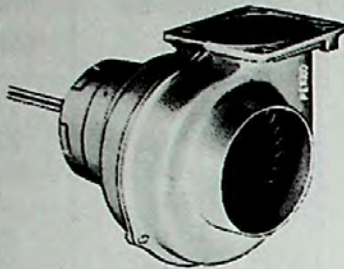


Fig. 778

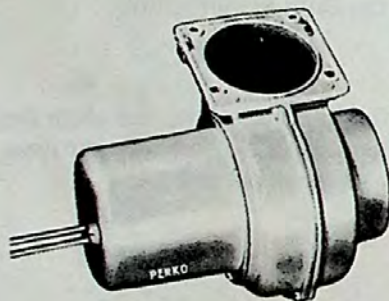
Speedy  
Mounting Bracket

Fig. 791



Fig. 193

## MARINE EXHAUST BLOWERS—Fig. 778

HEAVY DUTY MOTOR WITH 18 - 8 NON-MAGNETIC STAINLESS STEEL SHAFT - WHITE DELRIN IMPELLER - 12 VOLTS

BOTH SIZES MEET YACHT SAFETY BUREAU STANDARD E-30 AND ARE LISTED AND LABELED BY THAT AGENCY.

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 Enamelled Over Zinc Chromate - Supplied complete with speedy mounting bracket.

Size No. 2 has Cast Aluminum Housing, painted white.

No.	Size Intake Inches	Size Outlet Inches	Dimensions Overall Inches	Rated C.F.M.	Size Flange Inches
1	3	2-1/2	6-1/2 x 6 x 5	109	3 x 3
2	4	3-3/4	7 x 8 x 7	250	4-3/4 x 4-3/8

No.	Each	Spare Impellers Each	Spare Motors Each	Weight Pounds
1	\$23.00	\$2.50	\$12.00	3-1/2
2	47.50	3.00	15.50	6-1/2



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

12 Volts

This is our improved Fig. 778 Blower with the motor enclosed in an additional housing. The stainless steel shaft passes through a neoprene seal and the electric cable through a waterproof rubber gland.

No.	Size Intake Inches	Size Outlet Inches	Dimensions Overall Inches	Rated C.F.M.	Flange Inches
1	3	2-1/2	7-1/2 x 6 x 5	109	3 x 3
2	4	3-3/4	8 x 8 x 7	250	4-3/4 x 4-3/8

No.	Each	Spare Impellers Each	Spare Motors Each	Weight Pounds
1	\$25.50	\$2.50	\$12.00	3-3/4
2	50.00	3.00	15.50	6-3/4



## BLOWER AND IGNITION SWITCH—Fig. 193

RED LEXAN PLASTIC HOUSING - VAPOR PROOF - MULTIPLE POLE - COPPER CONTACTS - STAINLESS STEEL SPRING.

MEETS Y.S.B. STANDARD E-37 AND IS LISTED AND LABELED BY THE YACHT SAFETY BUREAU, INC.

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
\$16.50	5	1-3/4	10



### VENTILATION KITS – FIG. 871

**KIT No. 1 – \$12.75 Each**

Consists of: 2 Chrome Fig. 870 No. 1 Vents.  
2 S.S. Fig. 6400 Hose Clamps.  
4-1/2 Ft. Fig. 789 2-1/2" Duct.

Weight – 4-1/2 Pounds

**KIT No. 2 – \$15.00 Each**

Consists of: 2 Chrome Fig. 870 No. 2 Vents.  
2 S.S. Fig. 6400 Hose Clamps.  
4-1/2 Ft. Fig. 789 3" Duct.

Weight – 5-1/2 Pounds

**KIT No. 3 – \$17.25 Each**

Consists of: 2 Chrome Fig. 870 No. 3 Vents.  
2 S.S. Fig. 6400 Hose Clamps.  
6 Ft. Fig. 789 3-1/2" Duct.

Weight – 6 Pounds

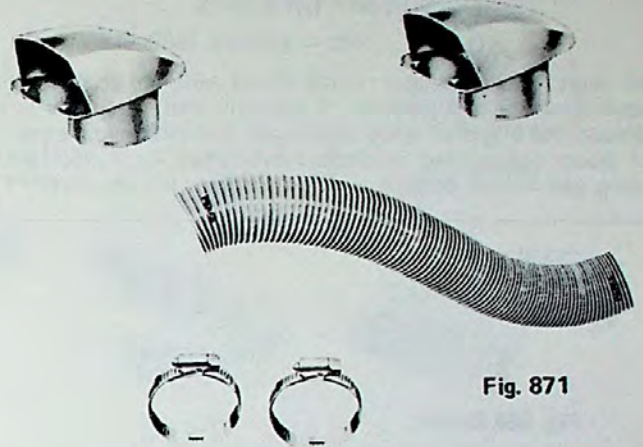


Fig. 871

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### BLOWER AND VENT KIT – FIG. 872

\$35.00 Each

Consists of: 1 Fig. 791 No. 1 – 12 Volt Blower.  
1 Fig. 784 Mounting Adapter.  
1 Chrome Fig. 870 Vent for 3" Duct.  
4-1/2 Ft. Fig. 789 3" Duct.  
2 S.S. Fig. 6400 Hose Clamps.

Weight – 8 Pounds

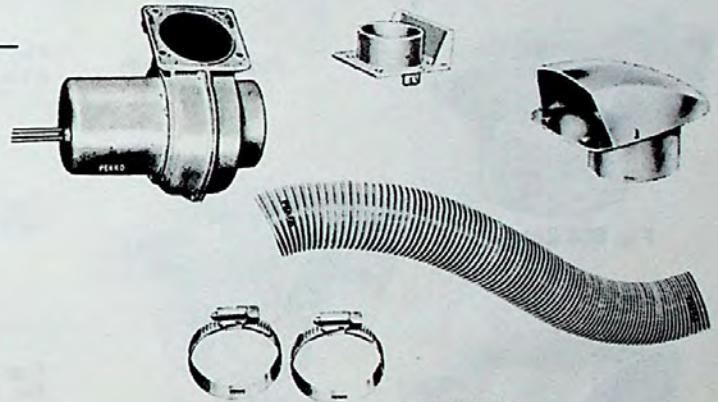


Fig. 872

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### BLOWER TO VENT

#### MOUNTING ADAPTER – FIG. 790

Zamak Die Casting – Painted White

\$1.30 Each

For mounting a Fig. 778 or 791 No. 1 Blower as high as possible directly to vent without duct in between. For Vent with 3" neck. Complete with attaching screws.

Weight – 5-1/2 Ounces



Fig. 790

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### 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
\$2.65	3-3/4 x 3-1/2 x 1-5/8	14

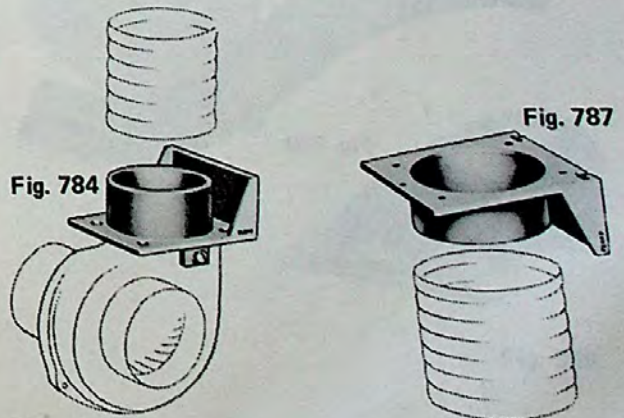


Fig. 784

Fig. 787



## MINIMUM VENTILATOR REQUIREMENTS FOR MOTOR BOATS

U.S.C.G. - 290 - January 1968

At least two ventilator ducts fitted with cowls or their equivalent for the purpose of properly and efficiently ventilating the bilges of every engine and fuel-tank compartment of boats constructed or decked over after April 25, 1940, using gasoline or other fuel of a flashpoint less than 110° F.



Fig. 866 Zamak



Fig. 867 Zamak



Fig. 868 Zamak

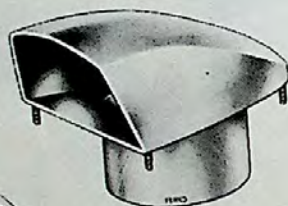


Fig. 869 Zamak

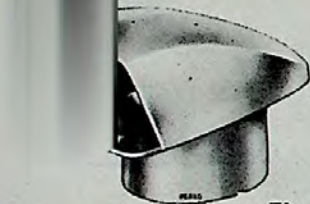


Fig. 654 Bronze  
Fig. 870 Zamak

## SHELL TYPE VENTILATORS

Cast Bronze or Zamak Die Castings - Chromium Plated

### Zamak Dimensions

Size No.	For I.D. Duct Inches	Mouth Opening Square Inches	Length Overall Inches	Width Overall Inches	Average Weight Ounces
1	2-1/2	5	5-1/8	3-7/8	22
2	3	7	5-1/8	3-7/8	25
3	3-1/2	10	6-1/4	4-3/4	27

### Bronze Dimensions

1	3	5	5-1/8	3-7/8	30
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Fig. 866 has base drilled and tapped for three 1/4-20 screws.

Fig.	No. 1 Each	No. 2 Each	No. 3 Each
866	\$2.65	\$2.90	\$3.65

Fig. 867 has three studs 12-24 x 1-1/2 inches long. Nuts and washers included.

Fig.	No. 1 Each	No. 2 Each	No. 3 Each
867	\$3.40	\$3.65	\$4.40

Fig. 868 has base drilled and tapped for three 1/4-20 screws. With neck for exhaust duct.

Fig.	No. 1 Each	No. 2 Each	No. 3 Each
868	\$3.95	\$4.40	\$5.75

Fig. 869 has three studs 12 - 24 x 1-1/2 inches long. With neck for exhaust duct. Nuts and washers included.

Fig.	No. 1 Each	No. 2 Each	No. 3 Each
869	\$4.85	\$5.30	\$6.50

Figs. 654 and 870 have flange on front and hole in rear for No. 10 wood screw mounting. With neck for exhaust duct. Cowl of Fig. 654 is Bronze but flange and neck is Zamak.

Fig.	No. 1 Each	No. 2 Each	No. 3 Each
654	\$13.25	\$16.00	\$6.00
870	4.40	4.85	

color Fig. 870 Available in Colors, See Acry-Color Section.

## EXHAUST DUCT - Fig. 789

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

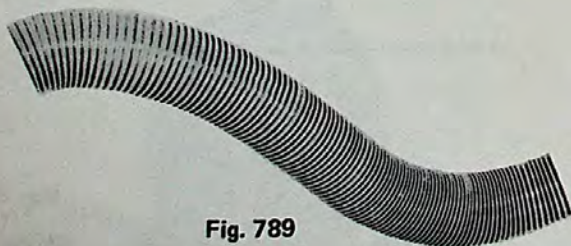


Fig. 789

Stock Length Feet	Inside Diameter Inches	Inside Diameter Inches	Inside Diameter Inches	Inside Diameter Inches	Lengths Per Carton
	2-1/2	3	3-1/2	4	
4-1/2 Ft. Ea.	\$3.00	\$3.50			20
6 Ft. Ea.			\$4.75		20
9 Ft. Ea.	5.80	6.80			10
12 Ft. Ea.			9.25		10
25 Ft. Ea.	15.00	18.00	19.50	\$22.00	2

SHIPPED ONLY IN FULL CARTONS

Special lengths available in quantity, price and delivery on application.



### MIDGET CLAM SHELL VENTILATOR – Fig. 315

18-8 Stainless Steel – Polished – Heavy Gauge

Here's a streamlined, midget ventilator with many uses including shielding gas tank vents. Drilled for No. 6 screw.

No.	Each	Base Dimensions Inches	Height Opening Inches	Thickness Inches	Weight Ounces
1	\$66	1-5/8x1-1/2	7/16	.045	1/2
2	.77	2 x2	9/16	.062	1-1/4

Standard Package, 10 Pieces

Available in Skin Pack. See Skin Pack Section.



Fig. 315

### CLAM SHELL VENTILATOR – Fig. 339

Brass – Chromium Plated

Beautifully styled to enhance the appearance of any boat. Bored and countersunk for No. 6 screw.

Each	Width Opening Inches	Height Opening Inches	Base Dimensions Inches	Weight Ounces
\$3.90	2-1/2	1-5/8	4 x 3-3/4	5

Standard Package, 5 Pieces

Available in Skin Pack. See Skin Pack Section.



Fig. 339

### CLAM SHELL VENTILATORS – Fig. 323

Cast Bronze

No.	Chromium Plated Each	Width Opening Inches	Height Opening Inches	Size Base Inches	For Screw No.	Weight Ounces
4	\$6.00	2-5/8	1-1/2	3-1/2x3-1/4	7	10
5	8.75	3-1/2	2	3-7/8x3-1/2	7	13

Standard Package, 5 Pieces



Fig. 323

### STREAMLINE VENTILATORS – Fig. 324

Cast Bronze

No.	Chromium Plated Each	Width Opening Inches	Height Opening Inches	Size Base Inches	For Screw No.	Weight Ounces
2	\$5.30	1-3/4	1	2-5/8x3-3/8	7	6
3	7.75	2-7/8	1-5/8	3-5/8x4-3/4	7	12

Standard Package, 5 Pieces



Fig. 324

### 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
\$19.00	8-3/4	5-1/2	5-1/4 x 1	2-1/2

Standard Package, 2 Pieces.



Fig. 931

### FIBRE GLASS VENTILATORS – Fig. 338

Lustrous White Outside Finish

No.	Each	Length Overall Inches	Width Overall Inches	Weight Ounces
1	\$6.90	6-3/4	5-1/2	3-1/2
2	9.20	7-1/2	7-1/8	4-1/2

Standard Package, 5 Pieces.



Fig. 338

### CRUISER VENTILATOR—Fig. 908

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
\$24.50	\$32.50	\$35.50	6-3/8x5-3/4	3-1/4	8	4



Fig. 908

BUY STANDARD PACKAGES



Fig. 1069

## JUNIOR TRANSOM VENTILATOR – Fig. 1069

Cast Bronze

Plain Bronze Each	Chromium Plated Each	Size Flange Inches	For Screw No.	Weight Pounds
\$3.15	\$5.75	6-1/2x2-1/8	6	1/2

Standard Package, 5 Pieces



Fig. 1062

## SENIOR TRANSOM VENTILATOR – Fig. 1062

Cast Bronze

Plain Bronze Each	Chromium Plated Each	Dimensions Inches	For Screw No.	Weight Pounds
\$5.75	\$9.50	10 x 4	8	1

Standard Package, 5 Pieces



Fig. 550

## TRANSOM OR LOCKER VENTILATOR – Fig. 550

18-8 Stainless Steel – Polished

Each	Dimensions Inches	For Screw No.	Weight Ounces
\$1.90	7 x 2-1/2	8	3

Standard Package, 10 Pieces



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
\$1.75	6 x 2	8	3

Standard Package, 10 Pieces



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
\$1.60	8-3/8 x 2-1/4	8	3

Standard Package, 10 Pieces



Fig. 330

## LOCKER VENTILATORS – Fig. 330

18-8 Stainless Steel – Polished

No.	Each	Diameter Inches	For Screw No.	Weight Ounces
1	\$.65	2-1/2	6	1
2	.88	3-1/4	6	2

Standard Package, 10 Pieces



Available in Skin Pack. See Skin Pack Section.





## COMBINATION TRANSOM VENT AND 135°

### STERN LIGHT – Figs. 980 & 984

18-8 Alloy No. 304 Stainless Steel – Polished

Fig.	No.	Complete Each	Length Inches	Width Inches	Length Louvers Inches	Weight Ounces
980	1	\$ 8.80	8	3	2	6
980	2	9.70	10	3-1/2	3	7-1/2
984	1	10.50	13-1/4	3	2	8-1/2
984	2	11.50	17	3-1/2	3	10

Makes a very neat dual purpose installation. For details on light see Fig. 945 Stainless Steel International Light.



Fig. 980



Fig. 984

## STAINLESS STEEL LOUVER VENTILATORS

18-8 Alloy No. 304 – Polished

Fig. 334

No.	Each	Size Inches	Length Louvers Inches	Weight Ounces
2	\$1.80	3 x 2-1/2	2	1
2-A	2.00	4 x 2-1/2	3	1-1/2
4	2.40	5-1/2 x 2-1/2	2	2
4-A	2.65	7-1/2 x 2-1/2	3	2-1/2
6	3.15	8 x 2-1/2	2	3
6-A	3.45	11 x 2-1/2	3	4

Standard Package, 10 Pieces per size



#2



#4

Fig. 334



#6

Fig. 335

No.	Each	Size Inches	Length Louvers Inches	Weight Ounces
3	\$2.10	3 x 3	2	1-1/2
3-A	2.30	4 x 3-1/2	3	2
6	2.90	5-1/2 x 3	2	2-1/2
6-A	3.20	7-1/2 x 3-1/2	3	3-1/4
9	3.85	8 x 3	2	3-1/2
9-A	4.15	11 x 3-1/2	3	4

Standard Package, 10 Pieces Per size



#3



#6

Fig. 335



#9

Fig. 336

No.	Each	Size Inches	Length Louvers Inches	Weight Ounces
4	\$2.40	3-3/4 x 3	2	1-3/4
4-A	2.65	4-3/8 x 4	3	2
5	2.90	4-1/2 x 3	2	2
5-A	3.20	5-3/8 x 4	3	2-1/4
6	3.40	5-1/4 x 3	2	2-1/2
6-A	3.65	6-3/8 x 4	3	3

Standard Package, 10 Pieces Per size



#4



#5



#6

Fig. 336

## ANGLE TYPE – Fig. 342

Supplied In Pairs, Port and Starboard

No.	Per Pair	Size Inches	Length Louvers Inches	Weight Pair Ounces
3	\$4.30	4-3/4 x 2-1/2	2	1-3/4
3-A	4.65	6 x 3	3	2-1/4
6	6.85	7-3/4 x 2-1/2	2	2-3/4
6-A	7.50	9-3/4 x 3	3	3-1/4

Standard Package, 5 Pairs Per Size



#3



#6

Fig. 342



Fig. 510

### COWL VENTILATORS – Fig. 510

Round Mouth – With Threaded Deck Plate – Sheet Steel or Sheet Brass – Cast Bronze Deck Plate

Steel ventilators are hot galvanized after fabrication.

Deck Plate Size Inches	Galv. Each	Polished Brass Each	Chromium Plated Each	Diam. Mouth Inches	Height Overall Inches	Weight Pounds
2	\$ 25.50	\$ 41.50	\$ 45.50	4	5-1/2	1-1/8
2-1/2	26.00	45.50	50.00	5	6-1/2	1-3/4
3	32.00	56.50	61.00	6	8	2-1/2
4	42.50	70.50	77.00	8	11	4
5	54.50	91.00	98.00	10	13	6
6	81.50	143.50	154.00	12	16	9
8	111.00	241.50	293.00	16	21	15-1/2



Fig. 513

### COWL VENTILATORS – Fig. 513

With Swivel Deck Plate – Sheet Steel or Sheet Brass – Cast Bronze Deck Plate

Deck Plate Size Inches	Galv. Each	Polished Brass Each	Chromium Plated Each	Diam. Mouth Inches	Height Overall Inches	Weight Pounds
3	\$28.50	\$ 60.50	\$ 68.00	6	8	2
4	38.00	72.50	82.00	8	12	3-3/4
5	48.00	88.00	98.00	10	13-1/2	4-3/4
6	69.00	131.00	144.00	12	17-1/2	7-1/2
8	91.00	228.00	284.00	16	20-1/2	11-1/2

When ordering Fig. 510 & 513 without deck plate, specify with or without ring on neck.

Figs. 510 and 513 sizes are standard; special heights made to order.

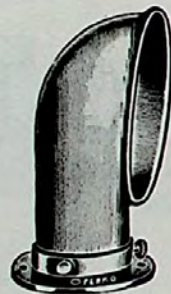


Fig. 571

### OVAL MOUTH COWL VENTILATOR – Fig. 571

Cast Bronze – Swivel Type

Deck Plate Size Inches	Polished Bronze Each	Chromium Plated Each	Size Mouth Inches	Height Inches	Weight Pounds
3	\$51.00	\$54.50	6-1/4 x 4	9-1/8	6

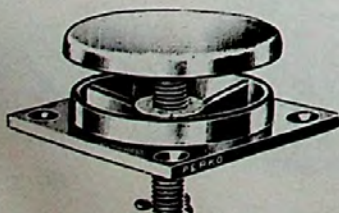


Fig. 783

### LOCKER VENTILATORS – Fig. 783

Cast Bronze – Chromium Plated

Each	Diam. of Opening Inches	Size Plate Inches	Weight Pounds
\$12.35	1-5/8	2-1/2 x 2-1/2	1/2



## 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.

Per Pair	Length Overall Inches	Height Overall Inches	Dimensions Mouth Inches	Weight Per Pair Pounds
\$25.00	9-3/4	4-1/2	4 x 1-3/4	2-3/4



Starboard Side

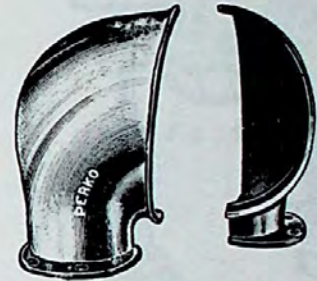
Fig. 771

## SPACE SAVER VENTILATORS – Fig. 782

Cast Bronze – Chromium Plated

No.	Per Pair	Inside Diameter of Base Inches	Inside of Mouth Inches	Height Overall Inches	For Screw No.	Weight Per Pair Pounds
1	\$32.00	2-1/2	2-3/8x5	6-3/4	8	3-3/4
2	54.00	3-1/2	3-1/8x7-1/2	9	8	6

When ordering a half pair, please mention whether for port or starboard side.



Starboard Side

Port Side

Fig. 782

## TURBINE VENTILATORS – Fig. 744

For Marine Use – Improved Bearing Running in Oil – Steel or Copper

Inside Diam. Inches	Steel Each	Copper Each	Height Overall Inches	Diam. Overall Inches	Capacity C.F.M.	Weight Pounds
4	\$15.50	\$28.50	10	7	140	2-3/4
5	15.75	29.00	12	8-1/2	152	3-1/2
6	16.25	30.25	13	9-1/2	196	4-1/2
7	19.25		15	11	243	6
8	20.75		16	12-1/2	285	7
10	25.25		18-1/2	15	445	10
12	29.00		20	17-1/2	650	12

With reinforcing band around bottom of neck supplied to order, price on application.

Steel vents are painted aluminum.

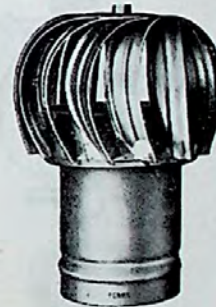


Fig. 744

## 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	Steel Each	Copper Each	Base Diameter Inches	Height Overall Inches	Weight Pounds
4	\$20.50	\$32.25	6	10-1/4	3-1/2
5	21.50	34.75	7	12-1/4	4-1/2
6	24.00	37.50	8	13-1/4	6
8	30.50		10	16-1/2	9



Fig. 748



Fig. 414 — Brass

Fig. 414-A — Aluminum



Fig. 263



Fig. 363



Fig. 266



Fig. 714 No. 1



Fig. 737 No. 1



Fig. 714 No. 2



Fig. 737 No. 2



Fig. 124



Fig. 729

## TRANSOM DRAIN PLUGS — Fig. 414 & 414-A

Brass or Aluminum — Expanding Plug with Safety Chain

No.	Complete		Plug Only		Tube Only	
	Brass Each	Aluminum Each	Brass Each	Aluminum Each	Brass Each	Aluminum Each
1	\$2.30	\$1.90	\$1.80	\$1.55	\$.65	\$.55
2	2.55	2.15	1.80	1.55	.88	.75

Standard Package, 10 Pieces

No.	Diam. Tube Inches	Length Overall Inches	Length Tube Inches	Weight Ounces
1	1	2-1/2	2	4-1/2
2	1	3-1/4	2-3/4	5



Available in Skin Pack — See Skin Pack Section.

## GARBOARD DRAIN PLUGS — Figs. 263, 363 & 266

Cast Bronze

Figs. 263 and 266

Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
\$5.15	3/4	2-5/8	5/8	11

Fig. 363

For plywood, fibreglass or metal hulls.

No.	Each	Pipe Size Inches	Diam. Flange Inches	Length Threaded Neck Inches	Max. Hull Thickness Inches	Weight Ounces
1	\$7.60	3/4	2-3/8	9/16	3/16	13-1/2
2	9.50	3/4	2-3/8	1	1/2	14
3	9.50	3/4	2-3/8	1-1/4	3/4	14-1/2
4	9.50	3/4	2-3/8	1-1/2	1	15

Standard Package, 5 Pieces

## GARBOARD DRAIN PLUGS — Figs. 714 & 737

Pressure Cast Silicon Bronze

Figs. 737 No. 1 and 737 No. 2 have extra brass flange and 3 F.H. machine screws, maximum space between flanges is 7/16 inches.

Fig.	No.	Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
714	1	\$2.65	1/2	2	5/8	3
714	2	3.00	1/2	2	5/8	4
737	1	4.00	1/2	2	5/8	6
737	2	4.40	1/2	2	5/8	7

Standard Package, 5 Pieces

## 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
\$8.25	1	3-1/8	1	10

Furnished complete with galvanized wrench. Spare wrench \$.85 each.

Standard Package, 5 Pieces

## FLUSH DRAIN PLUG — Fig. 729

Pressure Cast Silicon Bronze

Has wide slot for screw driver or large coin.

Plain Bronze Each	Chromium Plated Each	Pipe Size Inches	Diameter Flange Inches	For Screw No.	Weight Ounces
\$4.00	\$4.80	1/2	2	8	3-1/2

Standard Package, 5 Pieces

BUY STANDARD PACKAGES



### SMALL BOAT DRAINER – Fig. 386

Threaded Type – Cast Bronze

Starts draining at speed of 5 miles per hour. Install in after end of boat and be sure that mouth is toward the stern. Made for hulls 3/8 inch or thicker but may be used with thinner hulls by cutting away necessary portion of neck. Depth of mouth below hull is 3/4 inch.

Each	Height Inside Boat Inches	Width Overall Inches	Weight Pounds
\$8.00	2-3/4	2-1/2	1-1/4

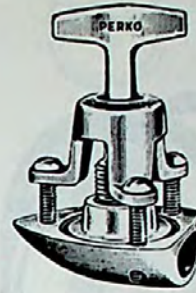


Fig. 386

### LIFE BOAT DRAINER – Fig. 213

Cast Bronze

Sponge rubber ball check valve closes automatically when boat is launched, opens for drainage when boat is hauled out.

Cover threaded 1-13/16 inches, No. 14.

Complete Each	Caps Only With Chain Each	Balls Only Per Dozen	Diam. Opening Inches	Diam. Flange Inches	Diam. Ball Inches
\$9.50	\$2.50	\$2.50	1-1/4	3-5/8	1-1/2



Fig. 213

### BRONZE NAVY PUMP STRAINERS –

Figs. 704, 705, 721 & 722

Fig.	Each	Pipe Thread Inches	For Hose Inches	Length Inches	Width Inches	Weight Pounds
704	\$8.40		1-1/4	7	2-3/4	2
705	7.60		1-1/4	4-3/4	2-3/4	1-1/2
721	7.60	1-1/4		5	2-3/4	1-1/2
722	7.60	1-1/4		4-3/4	2-3/4	1-3/8

Standard Package, 5 Pieces.



Fig. 704

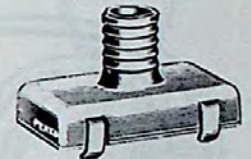


Fig. 705



Fig. 721



Fig. 722

### JUNIOR STRAINER – Fig. 709

Cast Bronze – For 5/8 Inch Rubber Hose

Excellent for use with bilge pumps having 5/8 inch hose for intake such as our Fig. 202, etc.

Each	Length Overall Inches	Width Inches	Weight Ounces
\$3.40	4	1-3/4	6

Standard Package, 5 Pieces.



Fig. 709

### RUBBER HOSE AND STRAINER – Figs. 208 & 209

For Figs. 200 and 202 Brass Bilge Pumps

Heavy moulded rubber hose, durable and lasting. 1/2 inch inside diameter. Standard hose length is 5 feet. Other lengths of hose can be furnished. Price on application.

	Each
Fig. 208 – Standard 5 ft. length	\$1.75
Fig. 209 – Cast Bronze Strainer	\$1.40



Fig. 208



Fig. 209

BUY STANDARD PACKAGES

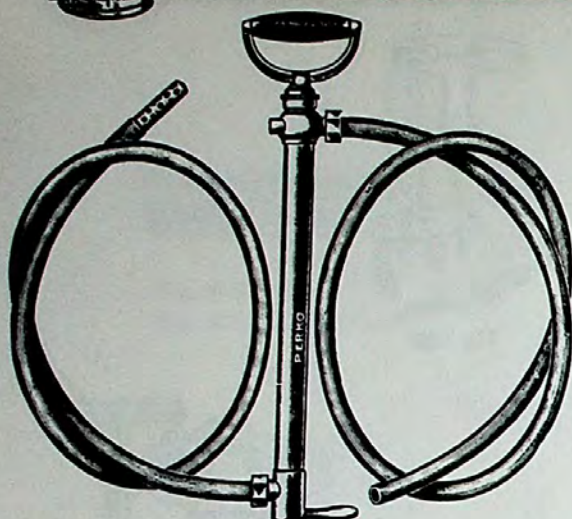


Fig. 202

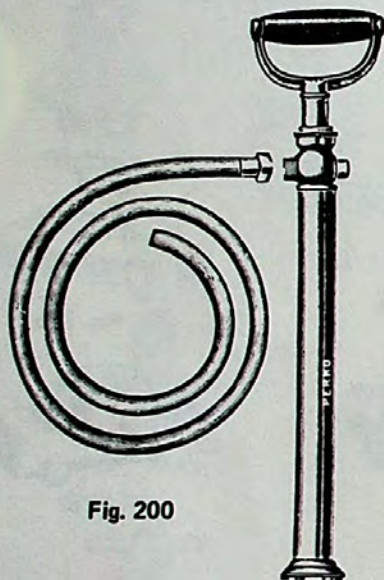


Fig. 200

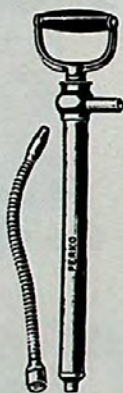


Fig. 146

## 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	\$26.00	18-5/8	1-1/8	5	3
6	30.00	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	\$19.50	17-5/8	1-1/8	5	2-1/4
2	25.00	20	1-1/2	10	3-1/4

Without hose, deduct \$1.00 each



## 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
\$22.00	\$4.60	17-1/2	12-1/2	1-1/8	2-1/2



## SPARE PARTS FOR ABOVE PUMPS

	No.	Outside Diam. Inches	Each		No.	Outside Diam. Inches	Each
Flange Washer	No. 1	1-1/16	\$ .40	Split Washer	No. 1	13/16	\$ .11
Fig. 203	No. 2	1-7/16	.45	Fig. 205	No. 2	1-13/16	.17
Cup Washer	No. 1	1-1/16	\$ .40	Hollow Ball	No. 1	1/2	\$ .35
Fig. 204	No. 2	1-3/8	.45	Fig. 206	No. 2	7/8	.40



**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
\$52.50	24	2-3/4	1-1/4	1-1/2	1/2

Fig. 147 – Weighted leather valve only, each ..... \$1.80  
 Fig. 151 – Flax packed plunger only, each ..... 3.50



**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
\$44.00	16-1/4	2-3/4	1-1/4	1-1/2	5-1/2



**SUPER NAVY BILGE PUMP – Fig. 701**  
 For Hose – With Weighted Leather Valve

Each	Extreme Length Inches	Inlet Hose Inches	Outlet Hose Inches	Weight Pounds
\$52.50	27	1-1/4	1-1/2	9-1/2



**MIDGET NAVY BILGE PUMP – Fig. 702**  
 For Hose – With Weighted Leather Valve

Our Fig. 701 pump reduced in length for boats requiring a large capacity pump to be installed where space is limited.

Each	Extreme Length Inches	Diameter Cylinder Inches	Inlet Hose Inches	Outlet Hose Inches	Weight Pounds
\$44.00	18-1/4	2-3/4	1-1/4	1-1/2	7-5/8



**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. 1016



Fig. 151  
Flax Packed Plunger



Fig. 147  
Weighted Leather Valve



Fig. 1018



Fig. 701



Fig. 702



Fig. 108



Fig. 662

**AUTOMATIC SWITCH FOR BILGE PUMPS — Fig. 662**  
Pressure Operated Diaphragm Type — For Non-Automatic Bilge Pumps — Cast Bronze — With Synthetic Rubber Diaphragm — Heavy Duty Mechanical Switch — For All Voltages From 6 to 110

This switch will start the pump operating when the water reaches the top of the switch or 2-1/4 inches. It will turn off again when the water reaches a depth of 1 inch but by connecting 1/4 inch tubing to the 1/8 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
\$23.00	\$4.15	\$1.00	2-1/4	4-1/4	2



Fig. 681

### PERKO WING PUMPS — Fig. 681

All Bronze — Double Action — Oscillating — Great Capacity — Lift and Head over 35 Ft. Effortless Operation — Hardwood Handle

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.

No.	Each	Size Pipe Connection Inches	Overall Diam. of Body Inches	Capacity Per Minute Gallons	Weight Pounds
0	\$ 83.00	1/2	5-1/8	5	11-1/2
1	95.00	3/4	5-3/4	7	14
2	112.00	1	6-5/8	9-3/4	19-1/2

Spare handles complete \$8.25 each. Wood only \$2.20 each.



Fig. 682 — Upper Shaft  
Fig. 684 — Lower Shaft

**ALL BRONZE SPUR GEAR PUMPS—Figs. 682 & 684**  
Reversible — For Upper or Lower Shaft — Brass Grease Cups — 5/8 inch Drive Shaft — Body is drop forged bronze — non-porous

No.	Complete Each	Pipe Size Inches	Weight Pounds	Spare Gears Each	Spare Drive Shaft Each	Spare Idle Shaft Each
3	\$29.50	3/8	5-1/2	\$4.50	\$1.75	\$1.25
4	32.50	1/2	6	5.50	1.75	1.25

Note — When operating by belt and pulley, use intermediate bearing on shaft.





## GALLEY AND LAVATORY PUMPS

Bronze – Chromium Plated

Both Feature Inlet Valve Designed to Hold Prime and Leakproof Neoprene U-Cup Seals

Fig.	Chromium Plated Each	Chromium Plated Handle Only Each	Diam. Barrel Inches	Length Neck Inches	Threaded For Pipe Inches	Weight Pounds
467	\$42.50	\$6.25	1-1/2	2-1/2	1/2	3-1/2
473	45.00	7.75	1-1/2	2-1/2	1/2	3-1/2

Repair Kit, each \$3.60



Fig. 467  
Metal Handle



Fig. 473  
Mahogany Handle



## 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	\$32.50	8-1/4	5-1/2	2-1/2
728	27.50	3-1/4	5-1/2	2



High Spout  
Fig. 727



Low Spout  
Fig. 728

## SPRING ACTION – SELF CLOSING TYPE – Fig. 740

Chromium Plated Each	Height Above Drain Board Inches	Spout Projection Inches	Weight Pounds
\$36.50	3-5/8	2-5/8	2-1/2



Fig. 740



## FRESH WATER INLET FITTING – Fig. 499

Cast Bronze – Chromium Plated

For obtaining fresh water under pressure at dockside. For all types and sizes of vessels but particularly useful on houseboats.

External portion has a swivel hose connector, standard size, with watertight plug and stainless steel bead chain.

Internal portion has 1/2 inch female N.P. thread and 3/4 inch male N.P. thread.

Each	Diameter Flange Inches	Weight Ounces
\$9.75	2-3/4	8

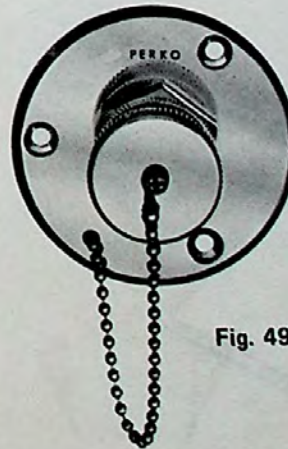


Fig. 499





## FIBRE GLASS LAVATORIES

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. 823

### CORNER TYPE – Fig. 823

Complete Each	Back Width Inches	Front To Back Inches	Size Basin Inches	Depth Basin Inches	Weight Pounds
\$31.00	13-1/2	15-3/4	11-3/4 x 8-1/2	5	2

Spare Tail piece and stopper – \$5.50 each.



Fig. 825

### FLAT BACK TYPE – Fig. 825

Complete Each	Back Width Inches	Front To Back Inches	Size Basin Inches	Depth Basin Inches	Weight Pounds
\$26.50	15-1/4	12-3/8	12 x 7-1/2	5	2-1/4

Spare Tail piece and stopper – \$5.50 each.



Fig. 357

### DRAIN FITTING – Fig. 357

Brass – Chromium Plated

For use with sinks Figs. 356, 382, 392.

Each	Opening In Sink Inches	Diameter Tail Piece Inches	Weight Ounces
\$7.00	3-1/2	1-1/2	20



Fig. 586

### DRAIN FITTING – Fig. 586

Brass – Chromium Plated

For use with sinks Figs. 240 and 391

Each	Opening In Sink Inches	Diameter Tail Piece Inches	Weight Ounces
\$4.75	2	1-1/2	10



Fig. 347

### 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	\$8.50	12 x 16
2	8.50	13-1/2 x 18-3/4
3	8.50	13-5/8 x 21-5/8



### 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	\$31.00	10 x 14	12 x 16	7	6
2	42.00	11-1/2 x 16-3/4	13-1/2 x 18-3/4	6	6-1/2
3	55.00	11-5/8 x 19-5/8	13-5/8 x 21-5/8	7	7-1/2

Finishing frame for above, see Fig. 347.  
Drain fittings not included, see Fig. 357.

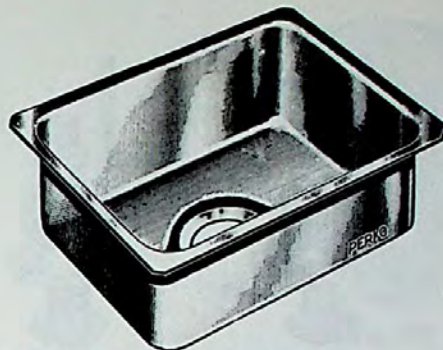


Fig. 356

★  

### 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	\$20.00	11-3/4	13-3/4	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.

No.	Each	Size Inside Inches	Size Outside Inches	Depth Inside Inches	Weight Pounds
1	\$37.00	10 x 14	13 x 17	7-1/2	7
2	46.00	14 x 15	17 x 19	7	6-1/2

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
\$21.50	11-1/2x16-3/4	13-1/2x18-3/4	6	2-1/4

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
\$14.50	10-3/4	13	5	14

Drain fitting not included, see Fig. 586.  
Finishing frame not required.



Fig. 240



## BRONZE ROUND WAY SEA COCKS — Figs. 834 & 835

With Drain Plugs and Removable Handle



Fig. 834



Fig. 835

No.	Size Inches	Fig. 834 Fig. 835 Each	With Fig. 86 Strainer Add Each	Size Strainer Inches	Without Hull Connection Deduct Each
1	3/4	\$ 25.25	\$1.75	3-1/2	\$ 3.25
2	1	38.00	1.75	3-1/2	4.65
3	1-1/4	48.50	2.50	4	6.80
4	1-1/2	56.35	4.30	5	8.40
5	2	101.20	4.55	6	12.30



## ECONOMY ROUND WAY SEA COCKS—Fig. 821

Cast Bronze — Drain Plug



Fig. 821

No.	Pipe Size Inches	Each	Without Hull Connection Deduct, Ea.	Without Hose Connection Deduct, Ea.	With Fig. 86 Strainer Add, Ea.	Complete Weight Pounds
0	1/2	\$13.50	\$ 3.00	\$1.65	\$1.45	7/8
1	3/4	16.50	4.15	2.00	1.75	1-1/2
2	1	23.00	6.00	2.65	1.75	2-1/2
3	1-1/4	33.50	9.10	3.45	2.50	4
4	1-1/2	44.00	11.15	4.60	4.30	5-1/4

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

For Diameter Strainer, See Figs. 834-835.

1/2 Inch Size requires a 2-1/2 inch Strainer.

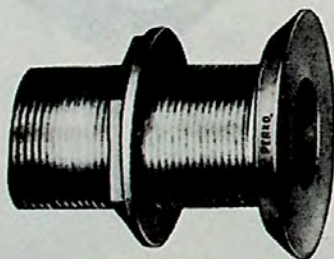


Fig. 331  
Without Strainer

## FLUSH TYPE "NO BULGE" THRU HULL CONNECTIONS—Figs. 331 & 361

Cast Bronze

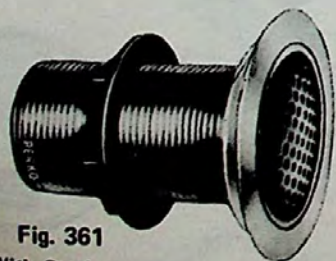


Fig. 361  
With Strainer

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.

No.	Pipe Size Inches	Fig. 331 Each	Fig. 361 Each	Length Overall Inches	Inside Diameter Inches	Diameter Flange Inches	Weight Pounds
1	1/2	\$ 6.50	\$ 7.70	2-7/16	1/2	2-1/2	3/4
2	3/4	7.00	8.20	2-3/4	3/4	2-1/2	7/8
3	1	9.20	10.00	3	1	3	1-1/4
4	1-1/4	11.00	11.60	3-3/8	1-1/4	3	1-3/4



### THRU-HULL CONNECTIONS—Fig. 322

Cast Bronze — Machined Flange — Threaded to 1/8 Inch From Flange

No.	Pipe Size Inches	Each	Length Neck Inches	Diameter Flange Inches	Weight Pounds
1	3/8	\$ 2.65	2-3/8	1-1/2	1/4
2	1/2	3.00	2-3/8	1-5/8	3/8
3	3/4	4.15	2-1/2	2	1/2
4	1	6.00	2-7/8	2-1/4	3/4
5	1-1/4	9.10	3-1/2	2-7/8	1-1/2
6	1-1/2	11.15	3-3/4	3	1-5/8
7	2	16.45	4	3-1/2	1-3/4
8	2-1/2	23.60	4	4-1/2	2-3/4



Fig. 322



### THRU-HULL CONNECTIONS FOR HOSE—Fig. 311

Cast Bronze

Plain Each	Polished Chromium Plated Each	For Size Hose Inches	Inside Diameter Inches	Length Overall Inches	Diam. Flange Inches	Weight Ounces
\$2.40	\$3.80	3/4 and 1	9/16	3-1/8	2-1/8	7



Fig. 311



### THRU-HULL CONNECTIONS FOR HOSE—Fig. 350

Cast Bronze — Machined Flange

No.	For Hose Inches	Plain Each	Polished Chromium Plated Each	Diam. Flange Inches	Maximum Wood Thickness Inches	Weight Pounds
1	5/8	\$ 3.70	\$ 4.95	1-5/8	1-1/4	3/8
2	3/4	4.25	5.60	2	1-5/8	1/2
3	1	6.30	7.75	2-3/8	1-7/8	7/8
4	1-1/4	10.00	11.50	3	2	1-3/8
5	1-1/2	10.65	12.65	3-1/8	2	1-1/2



Fig. 350



### BRONZE TAIL PIECES—Figs. 67 & 78

For lead pipe or hose connections, furnished complete with rubber washer.

No.	Pipe Size Inches	O.D. Tail Piece Inches	Fig. 67 Each	Fig. 78 Each
1	1/4	3/8	\$1.70	
2	3/8	1/2	1.75	
3	1/2	5/8	1.90	
4	3/4	3/4	2.30	\$2.30
5	1	1	3.45	3.45
6	1-1/4	1-1/4	4.00	4.00
7	1-1/2	1-1/2	5.75	5.75
8	2	2	6.90	6.90



Fig. 67 Straight

Fig. 78, 90 Degree



### FLANGED NUTS—Fig. 75

Cast Bronze — For Hull Connections

No.	Pipe Size Inches	Each	Weight Ounces
1	3/8	\$ .55	1
2	1/2	.60	1-1/4
3	3/4	.90	2
4	1	1.35	2-1/2
5	1-1/4	2.30	6
6	1-1/2	2.75	6
7	2	4.15	10
8	2-1/2	4.60	15



Fig. 75

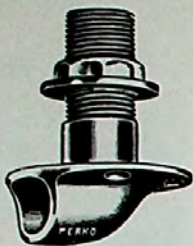


Fig. 332

### WATER OUTLETS—Fig. 332

Cast Bronze		Plain Bronze Each	Chromium Plated Each
No.			
1		\$ 7.90	\$10.40
2		10.00	12.55

No.	Pipe Size Inches	Diam. Flange Inches	Length of Neck Inches	Weight Ounces
1	3/4	2-5/8	2-1/4	12
2	1	2-7/8	3-1/4	16



Fig. 65

### SPEEDBOAT STRAINERS—Fig. 65

#### Cast Bronze — Plain

No.	Size Pipe Inches	Each	Length Neck Inches	Dimensions Strainer Inches	Weight Pounds
1	1/2	\$ 5.80	2-5/8	3 x 4	5/8
2	3/4	7.60	2-9/16	3 x 4	7/8
3	1	10.00	3	3 x 4	1-1/8
4	1-1/4	14.55	3-1/2	3-1/4 x 4-1/4	1-3/4

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



Fig. 76

No.	Pipe Size Inches	Each	Hose Size Inches	Length Overall Inches	Weight Ounces
1	1/2	\$1.65	5/8	1-5/8	1-1/2
2	3/4	2.00	3/4	1-3/4	2-1/8
3	1	2.65	1	1-3/4	3-1/2
4	1-1/4	3.45	1-1/4	2	5-1/8
5	1-1/2	4.60	1-1/2	2-1/4	8-1/8
6	2	7.00	2	2-5/8	16



Fig. 66

### SCOOP STRAINERS—Fig. 66

#### Cast Bronze

No.	Each	Outside Dimension Inches	For Thru-Hull Size Inches	Weight Pounds
1	\$ 1.60	3-1/2x2-1/2	1/2	1/4
2	4.15	5 x3-1/4	1	3/4
3	5.75	6-1/4x4-1/4	1-1/4	1
4	10.00	8 x5-1/8	2	2

Standard Package, 5 Pieces



Fig. 86

### ROUND STRAINERS—Fig. 86

#### Cast Bronze

No.	Outside Diam. Inches	Each	Inside Diam. Inches	Weight Pounds
1	2-1/2	\$1.20	1-5/8	1/5
2	3	1.45	2	1/4
3	3-1/2	1.75	2-3/8	1/3
4	4	2.50	3	1/3
5	5	4.30	3-3/4	3/4
6	6	4.55	4-1/2	1

Standard Package, 5 Pieces



### "NEPTUNE" MARKED LEAD LINES—Fig. 190

With Vinylite Plastic Markers — 5/16 Inch Diameter — Italian Hemp Line

Instead of the old cryptic markings, this line makes use of colored plastic markers printed with numerals in contrasting colors. These markers are soft and resilient, unaffected by salt, grease, oil and sunlight. The Neptune Line was widely used during the war by the Navy, Army and U. S. Maritime Commission. It is also used by skin divers with a float to mark the depth of a dive.

Length Fathoms	Each	Length Fathoms	Each
7	\$10.75	20	\$19.75
10	13.25	25	23.50
15	16.25	30	26.75

NOTE: Markings up to 10 fathoms inclusive marked every fathom and half fathom, the latter indicated by a yellow strip. Longer lines marked according to Navy standard . . . i.e. 2 - 3 - 5 - 7 - 10 - 13 - 15 - 17 - 20 fathoms and every 5 fathoms thereafter.

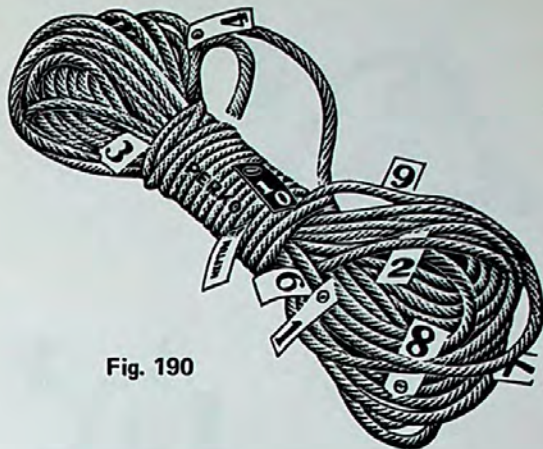


Fig. 190

### SOUNDING LEADS—Fig. 940

All weights from 2 to 10 pounds inclusive carried in stock.  
PER POUND — \$.90



Fig. 940

### 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
\$8.00	1-3/4 x 1-1/4	3	5-3/4



Fig. 795

### 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
\$8.00	1-3/4 x 1-1/4	2-3/4	5

Spare Mounting Plates, \$1.90 each.



Fig. 804

### WIND PENNANTS—Fig. 435

Adjustable Counterbalance — Aluminum Pennant — Brass Standard — Red Anodized Finish

Pennant swings and has an adjustable counterbalance should the weight of the pennant change from the application of paint or attachments of any kind.


Perfect balance makes this pennant instantly responsive to the lightest of winds.

For Mast 1 Inch Diam. at Top, 5/16" Hole

Each	Size of Pennant Inches	Height Overall Inches	Weight Ounces
\$5.50	6-1/2 x 3	6-1/2	2-1/2



Fig. 435

Available in Skin Pack — See Skin Pack Section.   
Standard Package, 10 Pieces.

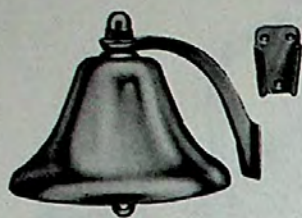


Fig. 159

### BRASS FOG BELLS—Fig. 159

With Removable Arm and Wall Plate  
Clapper has short arm for Lanyard.

Diameter Inches	Plain Brass Each	Polished Brass Each	Chromium Plated Each	Height Overall Inches	Weight Pounds
6	\$10.60	\$12.50	\$14.50	4	1
8	17.75	21.00	23.00	5	2-1/4
Wall Plate Only	1.50	1.75	2.20		
Arm Only	2.30	3.00	3.60		
Clapper Only	2.10		3.00		
Eye Bolt Only	2.10		2.50		



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	\$30.00	\$34.50	5	3-1/4
8	56.00	61.00	6-1/8	6-1/2
Wall Plate Only				
6	\$4.60	\$5.25	2-1/2	1/3
8	4.60	5.25	2-1/2	1/3



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	\$ 62.00	\$ 67.00	8	9
10	114.00	120.00	10-1/2	16-1/2
12	184.00	192.00	12	31
Wall Plate Only				
8	\$4.60	\$5.25	2-1/2	1/3
10	8.00	9.20	3-7/8	1
12	8.00	9.20	3-7/8	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
12-1/2	\$3.60	\$6.25	5

Standard Package, 1 Dozen

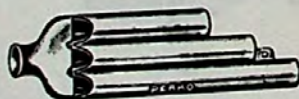


Fig. 167

### TRIPLEX MOTOR BOAT WHISTLE—Fig. 167

Plastic

Per Dozen	Length Overall Inches	Width Overall Inches	Weight Per Dozen Pounds
\$6.00	6	1-3/4	1

Standard Package, 1 Dozen

Available in Skin Pack — See Skin Pack Section.



Fig. 349

### POLICE OR SIGNAL WHISTLE—Fig. 349

Brass — Nickel Plated

Per Dozen	Length Inches	Width Inches	Weight Per Dozen Ounces
\$27.00	2	3/4	17

Standard Package, 1 Dozen

BUY STANDARD PACKAGES





### COURSE PROTRACTOR – Fig. 706

Indicates Course and Reverse Course – Transparent

Arm has various mileage scales used on all coastal and harbor charts. Arm extended on short end to show reverse course. A precision instrument, accurate in detail. Positions, depths, etc., are clearly visible through protractor.

Each	Extreme Length Inches	Diam. Compass Card Inches
\$4.40	21-1/2	6-3/8

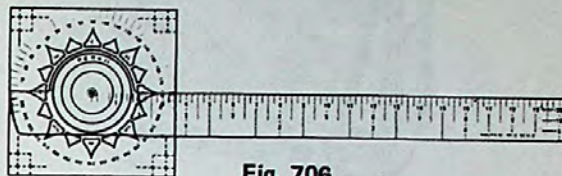


Fig. 706



### LUCITE PARALLEL RULES—Fig. 630

Transparent – Aluminum Bars – Heavy Type

Chart data shows clearly through transparent lucite. Heavy type with finger grips, and corprene non-sliding discs.

Length Closed Inches	Each	Width Closed Inches	Thickness Inches	Weight Ounces
12	\$5.25	2-1/2	3/16	6-1/2
15	5.50	2-1/2	3/16	7-1/2
18	7.00	2-1/2	3/16	8-1/2

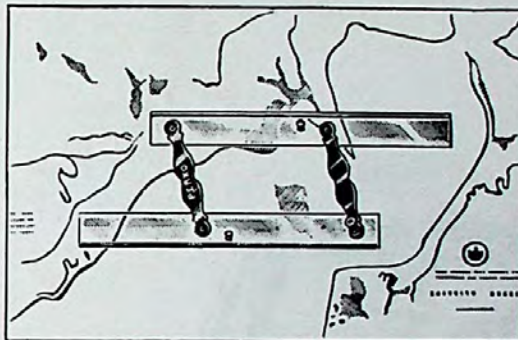


Fig. 630



### PARALLEL RULES—Fig. 686

Ebony Finish – Aluminum Bars – Finger Grips and Corprene Non-Sliding Discs

Length Closed Inches	Each	Width Closed Inches	Weight Ounces
12	\$4.75	2-1/2	6
15	5.00	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 . . . . .	\$2.25
2 Length, 7 inches . . . . .	6.60

No. 2 size has straightening device and reversible points. Standard Package, 10 pieces.



Fig. 693



### YACHT LOG BOOK—Fig. 708

112 Pages – Water Resistant Binding

Binding is hard Pyroxlin 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.

Weight, 20 Ounces

Each \$5.00



Fig. 708



Fig. 796

**MARINE WINDOWS—Fig. 796**

With Spigot — Plain Bronze or Aluminum — Watertight  
Two Fastenings

Clear Glass  
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	\$61.00	\$42.00
2	7x16	83.00	52.00

	Dimensions Outside of Frame Inches	Dimensions Outside of Spigot Inches	Bronze Weight Pounds	Aluminum Weight Pounds
1	7-7/8x14-7/8	5-3/8x12-7/16	15	6-1/2
2	10x19-1/8	7-3/8x16-1/2	22	8-3/4

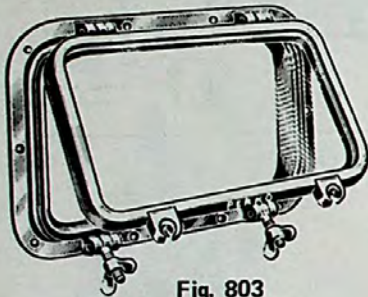


Fig. 803

**MARINE WINDOWS—Fig. 803**

Without Spigot — Plain Bronze or Aluminum — Watertight —  
Two Fastenings

Clear Glass

Furnished complete with removable screen. Without finishing  
frame.

No.	Size of Opening Inches	Plain Bronze Each	Plain Aluminum Each	Bronze Weight Pounds	Alum- inum Weight Pounds
3	5x12	\$48.00	\$34.00	11-1/2	5
4	7x16	64.00	42.00	16	7

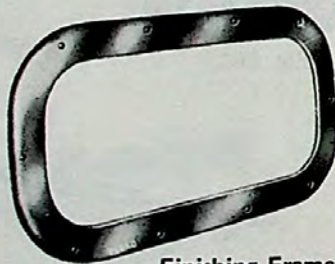
**SPECIAL FINISHING FRAMES FOR FIG. 803**

No.	Size of Opening Inches	Plain Bronze Each	Plain Aluminum Each	Bronze Weight Pounds	Alum- inum Weight Pounds
3	5x12	\$ 8.30	\$6.00	2-1/2	1
4	7x16	13.50	7.25	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 — \$7.25 each. Size 7x16 inches — \$9.00 each.



Finishing Frame



Fig. 442

**ROUND PORTLIGHT SCREENS—Fig. 442**

Bronze — Spring Type

For Figs. 157 & 317 Portlights

For Size Opening Inches	Each	For Size Opening Inches	Each
4	\$4.00	6	\$5.20
5	4.60	8	6.90



Fig. 441

**PORTLIGHT CHAINS—Fig. 441**

Stainless Steel Chain — Chromium Plated Fittings.

Each	Length Inches	Size Plate Inches	Weight Ounces
\$4.20	8	1-1/4x1	3



## 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	\$18.00	4	7	1/4	3-3/4
5	21.00	5	8	1/4	5
6	24.00	6	9	1/4	6-1/2
*8	36.00	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		Weight 1-1/2 Inch Spigot In Pounds
	1-1/2 Inch Plain Bronze Each	3 Inch Plain Bronze Each	
4	\$22.00	\$28.50	4-3/4
5	27.50	34.50	7-1/4
6	34.50	43.00	8-1/2
8	48.50	58.00	12-3/4

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

For 1 inch wood, use 1-1/2 inch price.  
 For 2 or 2-1/2 inch wood use 3 inch price, etc.  
 \*8 inch size has two Dog Bolts.

WITHOUT OUTSIDE FINISHING RING, DEDUCT FROM ABOVE PRICES THE FOLLOWING:

	4 Inch	5 Inch	6 Inch	8 Inch
Plain	\$1.75	\$2.00	\$2.50	\$5.00

NOTE — SCREENS FOR ALL PORTLIGHTS ABOVE SEE FIG. 442.

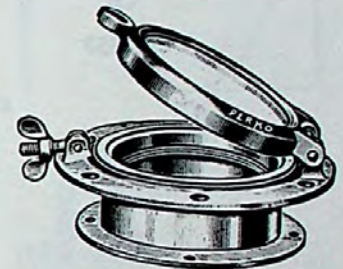


Fig. 157



Showing Screen in Place

## DECK LIGHTS—Fig. 838

Cast Bronze — For Wood Decks

Diameter Clear Glass Inches	Plain Bronze Each	Thickness Glass Inches	Outside Diam. Frame Inches	Weight Pounds
4	\$11.50	1/4	6	1-3/4
5	13.00	1/4	7-1/2	2
6	14.50	1/4	8-1/4	2-3/4
*8	28.50	1/4	11	5-1/4

\*8 inch size has Safety Glass.



Fig. 838

## VINYL FOR PORTLIGHTS AND WINDOWS—Fig. 461

Size	Per Length
1/4 inch	\$2.50

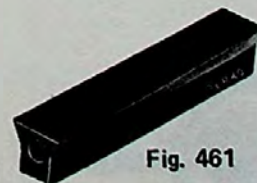


Fig. 461

Supplied only in 10 foot lengths.

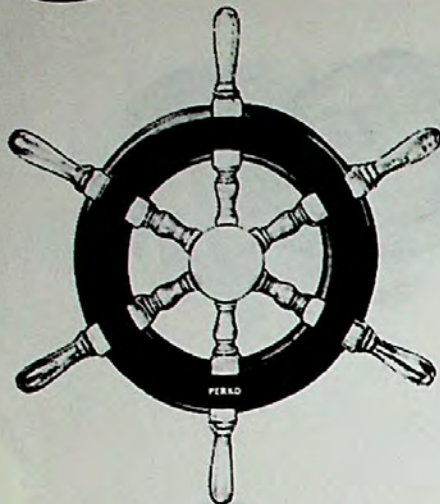


Fig. 657

## MAHOGANY STEERING WHEELS—Fig. 657 With Bronze or Zamak Hub — Chromium Plated

These 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	\$46.00	\$ 52.50	3/4 or 1	2-3/4
20	19-1/4	48.50	54.50	3/4 or 1	3-1/4
22	22-1/4		61.00	1	5
24	24-3/8		74.50	1	7
28	28		93.00	1	10
30	30		104.00	1	12

3/4 inch bore on 18 and 20 inch wheels is tapered. 1 inch bore is straight.

Length bore, 18", 20", 22" sizes, is 1-1/4"  
Length bore, 24", 28", 30" sizes, is 1-5/8"

PLEASE SPECIFY TYPE AND BORE OF HUB.

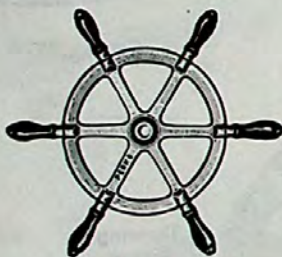


Fig. 976

## STEERING WHEELS—Fig. 976 Cast Bronze — Wood Grips — 1/4 Inch Keyway

No.	Diam. Overall Inches	Polished Bronze Each	Chromium Plated Each	For Shaft Inches	Length Hub Inches	Weight Pounds
4	16	\$44.00	\$46.50	1	2-1/8	4-1/4
5	20	60.00	62.50	1	2-1/8	7-3/4
6	24	81.00	85.00	1	2-1/8	11



Fig. 914

## STEERING WHEELS—Fig. 914 Brass — Wood Grips — Round Spokes — 1/4 Inch Keyway

No.	Diam. Overall Inches	Polished Brass Each	Chromium Plated Each	For Shaft Inches	Length Hub Inches	Weight Pounds
4	16	\$35.75	\$39.00	3/4 or 1	2-1/8	4-3/4
5	20	44.50	48.50	3/4 or 1	2-1/8	6-1/4
6	24	53.50	57.75	1	2-1/8	7



Fig. 661

## DRUM STEERERS—Fig. 661 Cast Aluminum — For Tiller Rope — With Die Cast Zamak Drum

Diameter Overall Inches	Each	Size Base Inches	Diameter Drum Inches	Length Drum Inches	Weight Pounds
12	\$14.00	4 x 4	2-3/8	2-1/4	3-1/4
16	18.00	4 x 4	2-3/8	2-1/4	4-1/2



## 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	A	Dimension Inches			Weight Pounds
			B	C	D	
1	\$59.50	9	12	1	16	13
2	75.00	10-1/2	14	1-1/8	18	17
3	98.50	12	16	1-1/4	18	23

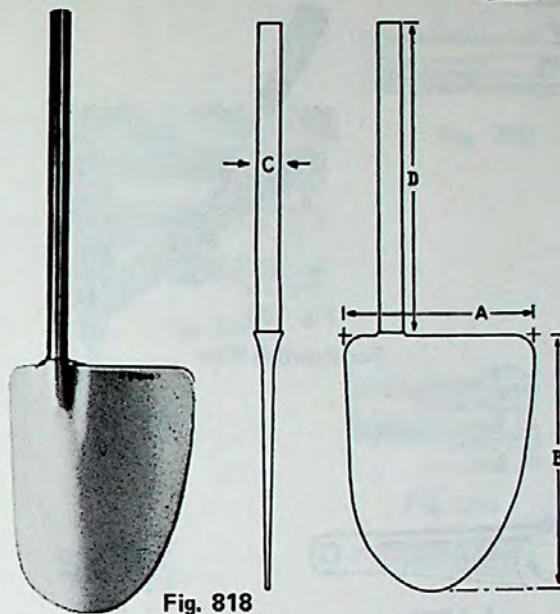


Fig. 818

## RUDDER STUFFING BOXES—Fig. 1088

Cast Bronze — Plain — With Square Flange — Four Bolt Holes

No.	For Diam. Post Inches	Each	Size Flange Inches	Length Bearing Inches	Drilled For Fastening Inches	Weight Pounds
1	1	\$20.50	3-3/4x3-3/4	5-1/4	3/8	3
2	1-1/8	24.00	3-3/4x3-3/4	5-5/8	3/8	3-1/2
3	1-1/4	28.50	3-3/4x3-3/4	6-1/4	3/8	4



Fig. 1088

## RUDDER STUFFING BOXES—Fig. 1089

Cast Bronze - Plain — With Oval Flange — Two Bolt Holes

No.	Size Inches	Each	Size Flange Inches	Length Bearing Inches	Drilled for Fastening Inches	Weight Pounds
1	3/4	\$16.50	4 x2	5-1/8	5/16	3
2	7/8	17.50	4-1/4x2-1/4	5-3/8	3/8	3-1/4
3	1	18.00	4-1/4x2-1/4	5-3/8	3/8	3-1/4
4	1-1/8	20.00	5 x2-5/8	5-1/4	1/2	3-3/4
5	1-1/4	26.50	5-3/4x3	6-3/8	1/2	5-1/2
6	1-3/8	31.00	6-1/4x3-1/4	6-3/4	1/2	6-1/2
7	1-1/2	34.50	6-1/2x3-1/2	6-3/4	1/2	6-3/4

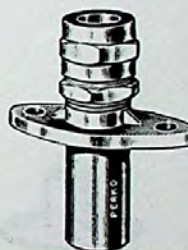


Fig. 1089

## BRONZE COLLARS—Fig. 815

No.	For Diam. Stock Inches	Each	Outside Diameter Inches	Thickness Inches	Weight Ounces
1	3/4	\$3.60	1-1/8	13/16	2-1/4
2	7/8	4.00	1-1/4	7/8	4
3	1	4.35	1-3/4	15/16	7
4	1-1/8	4.75	1-3/4	15/16	6-1/2
5	1-1/4	6.90	2-1/8	15/16	11
6	1-3/8	7.25	2-1/2	1-1/8	19
7	1-1/2	7.90	2-1/2	1-1/8	19



Fig. 815

## 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	\$13.00	\$12.50	3/4	1/2	4-1/2	1
2	17.50	17.00	1	3/4	6	2-1/4

Specify if for rod or pipe.



Fig. 93

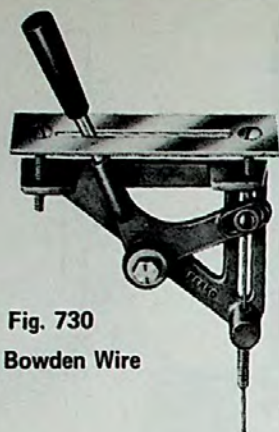


Fig. 730  
For Bowden Wire

### THROTTLE CONTROL—Fig. 730

Key feature of this control 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 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. Control may be mounted either vertically or horizontally.

Each	Length Face Plate Inches	Width Face Plate Inches	Length Throw Inches	Weight Pounds
\$17.50	5-3/4	1-1/2	2-1/8	1-3/8



### STEERER AND CONTROL PARTS—Fig. 865

Cast Bronze — Plain



1. Lever



2. Clevis



3. Lever

Fig. 865



5. Angle Clevis

No.	Item	Each	Length Overall Inches	Length C to C Inches	Weight Pounds
1	Lever	\$13.00	8	6	1-3/4
1-A	Lever	15.50	10	6-7-8*	2-1/8
1-B	Lever	15.50	10	6-7-8*	2-1/4
1-C	Lever	15.50	10	6-7-8*	2-1/4
2	Clevis	4.75	2-1/2		1/2
2-A	Clevis	4.75	2-1/2		1/2
2-B	Clevis	6.90	4-1/16		3/4
2-C	Clevis	6.90	4-1/16		3/4
3	Lever	10.20	4-1/2	2-3/4	1
5	Clevis	6.50	3		3/4
5-A	Clevis	6.50	3		3/4
8	Bearing	5.50			3/4
11	Bearing	6.50			1
15	Lever	14.50	9	5-6-7	1-1/2



8. Lower Bearing



11. Lower Bearing

No.	For Diam. Shaft Inches	For Diam. Pin Inches	Diam. Bolt Inches	Tapped For Rod Inches	Tapped For Pipe Inches	Inside Jaw Inches	Diam. Flange Inches
1	1	1/2					
1-A	1	1/2					
1-B	1-1/8	1/2					
1-C	1-1/4	1/2					
2			1/2	3/4		1/2	
2-A			1/2		1/2	1/2	
2-B			1/2		3/4	9/16	
2-C			1/2	1		9/16	
3	1	1/2	3/8				
5			1/2		3/4	1/2	
5-A			1/2	1		1/2	
8	1						3-1/2
11	1						3-3/4
15	1	1/2	3/8				

Depth of Bearing — No. 8, 5/8 Inches — No. 11, 1-3/4 Inches.  
\*Nos. 1-A, 1-B, 1-C Are Of Heavy Construction Like No. 1, And With Three Pin Holes Like No. 15.



### BRASS BALL JOINTS—Figs. 792 & 793

Fig. 793 is adjustable for wear. Spring tension around ball with screw for adjusting.



Fig. 792



Fig. 793

No.	Fig. 792 Each	Fig. 793 Each	Thread Inches	Length Thread Inches	O.D. Female End Inches	Weight Ounces
1	\$1.05	\$1.15	1/4 -20	1/2	5/16	1/2
2		1.50	5/16-18	1/2	7/16	1
3	.95	1.15	1/4 -28	1/2	5/16	1/2



## 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	1/4 -20	3/8	1-5/8	3/16	5/8
2	.96	5/16-18	7/16	1-5/8	3/16	9/16
3	1.15	3/8 -16	1/2	1-5/8	1/4	3/4

### Heavy Duty Fig. 295

4	\$1.50	1/4 -20	1/2	1-5/8	1/4	3/4
4-A	1.50	1/4 -28	1/2	1-3/4	1/4	3/4
5	1.50	5/16-18	1/2	1-3/4	1/4	3/4

### Heavy Duty Fig. 298

7	\$1.15	1/4 -20	7/16	1-3/8	1/4	7/16
8	1.20	5/16-18	7/16	1-7/16	1/4	7/16
9	1.15	1/4 -28	7/16	1-3/8	1/4	7/16

Length jaws measured to center of pin.  
Standard Package, 10 Pieces per size.

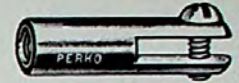


Fig. 328



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	\$ .92	1	3/8	1/8	1/2	1/2
2	1.25	1-7/8	1/2	1/4	1-1/16	3/4

Length jaws measured to center of screw.  
Standard Package, 10 Pieces per size

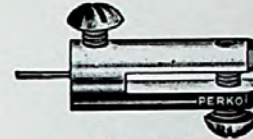


Fig. 679



## 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.

Each	Length Overall Closed Inches	Outside Diam. Stem Inches	Weight Ounces
\$5.75	4-7/8	3/8	2

Standard Package, 10 Pieces.



Fig. 692



## BOWDEN WIRE AND CASING—Fig. 353

Brass — 1/4 Inch O.D. Casing — Left Hand Lay — Wire Diameter .072 Inches

### 50 FOOT LENGTHS ONLY

No. 1	Casing only per length	\$35.00
No. 2	Wire only, per length	4.15

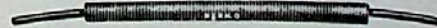


Fig. 353



## 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
\$1.60	2-1/4x1	3

Fig. 352





Fig. 320

## STUFFING BOXES—Fig. 320

Cast Bronze — Regular

No.	Shaft Size Inches	Each	Size Flange Inches	For Diam. Bolt Inches	Length Bearing Inches	Weight Pounds
1	5/8	\$ 9.00	3-7/8x1-3/4	5/16	2-1/8	1-1/8
2	3/4	9.45	4 x1-3/4	3/8	2-1/8	1-1/8
3	7/8	10.55	4-1/8x1-7/8	7/16	2-5/8	1-1/2
4	1	12.00	4-1/4x2-1/8	7/16	2-5/8	1-3/4
5	1-1/8	15.25	4-7/8x2-1/8	1/2	2-7/8	2-1/4
6	1-1/4	18.50	5-3/4x2-3/8	1/2	2-7/8	3
7	1-3/8	23.65	6-1/4x3	1/2	3	3-1/4
8	1-1/2	27.00	6-1/2x3	1/2	3	3-1/2
9	1-3/4	43.00	7 x3-3/4	5/8	4	5-3/4



## EXTRA HEAVY STUFFING BOXES—Fig. 819

Rectangular Flange — Cast Bronze

No.	Shaft Size Inches	Each	Size Flange Inches	For Diam. Bolt Inches	Length Bearing Inches	Weight Pounds
1	1	\$28.00	5 x3	3/8	4	5-1/2
2	1-1/8	30.00	5-1/2x3-3/8	1/2	4-1/4	6-1/2
3	1-1/4	34.00	5-5/8x3-5/8	1/2	4-1/4	6-1/2
4	1-3/8	46.00	6 x4	1/2	5	9
5	1-1/2	53.00	6 x4-3/8	1/2	5-1/2	10
6	1-3/4	67.50	6-1/2x4-1/2	5/8	7	13-1/2
7	2	72.00	7-3/4x5	5/8	7-3/8	15-1/2



## SELF-ALIGNING STUFFING BOXES—Fig. 734

Cast Bronze — Rectangular Flange

No.	For Shaft Inches	Each	Size Flange Inches	Length from Flange to End of Box Inches	Weight Pounds
1	3/4	\$20.00	5x3-1/4	6-1/2	5
2	7/8	22.00	5x3-1/4	6-1/2	5
3	1	23.00	5x3-1/4	6-3/4	5
4	1-1/8	28.00	6x4-1/4	7-3/4	9
5	1-1/4	30.00	6x4-1/4	7-3/4	9-1/2
6	1-3/8	45.00	7x4-1/2	8	12-1/2
7	1-1/2	45.00	7x4-1/2	8-1/4	13

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



## PACKING NUTS 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	5/8	\$ 2.20	\$1.15	320 - 672 No. O-L
2	3/4	2.20	1.15	320 & 672 No. 1-L
3	3/4	2.85	1.15	672 No. 1-H & 1089
4	7/8	2.85	1.15	320 & 1089
5	7/8	2.85	1.15	672 No. 2-H
6	1	3.00	1.35	320, 672 No. 3-H, 819, 1088, 1089
7	1-1/8	4.25	1.80	320, 672 No. 4, 819, 1088, 1089
8	1-1/4	4.25	1.90	672 No. 5
9	1-1/4	5.50	2.30	320, 819, 1088, 1089
10	1-3/8	5.85	2.40	320, 672, No. 6, 819, 1089
11	1-1/2	5.85	2.40	672 No. 7
12	1-1/2	6.85	2.80	320, 819, 1089
13	1-3/4	12.50	4.85	320, 819
14	2	13.20	5.75	819



## BRASS GREASE CUPS—Fig. 961

No.	Each	Height Closed Inches	Outside Diam. Inches	Pipe Thread Inches	Capacity Ounces
1	\$ .90	1-7/16	7/8	1/8	1/4
2	1.15	1-3/4	1-3/16	1/8	1/2
3	1.95	2	1-7/16	1/8	2/3

Standard Package, 10 Pieces.



Fig. 819



Fig. 734



Fig. 73



Fig. 79



Fig. 961





## 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	\$17.00	5/8	8-5/8x2-1/2	15	12	3-1/2
1-L	17.25	3/4	9-3/8x2-3/4	15	12	3-1/2
3-L	20.00	1	9-3/8x2-3/4	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	\$24.65	3/4	11-3/8x3-1/2	18	12	5-1/4
2-H	24.65	7/8	11-3/8x3-1/2	18	12	5-1/4
3-H	24.65	1	11-3/8x3-1/2	18	12	5-1/4
4	49.50	1-1/8	16-1/2x4-1/4	23-1/2	10	10-1/4
5	49.50	1-1/4	16-1/2x4-1/4	23-1/2	10	10-1/4
6	64.00	1-3/8	19x5	28	10	17-3/4
7	64.00	1-1/2	19x5	28	10	17-3/4

NOTE — Sizes Nos. 0-1-2-3 in both the lightweight and heavyweight types are drilled for screws. Balance of sizes are spotted but not drilled.



Fig. 671



## SELF ALIGNING SHAFT LOGS—Fig. 589

Cast Bronze — Allows Installation of Engine Well Aft

Base is drilled for bolts or screws.

No.	Each	For Size Shaft Inches	Size Base Inches	Length Overall Inches	Degrees of Angle	Wt. Lbs.
3	\$24.00	1	11x5	12-1/4	13	6
4	39.50	1-1/8	13x5-1/2	14-1/2	14	10
5	41.00	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	Fig. 672 Stuffing Box Each	Fig. 673 Hose Each	Fig. 1092 Hose Clamps Per Pair	I.D. Hose Inches	Length Hose Inches
0-L	5/8	\$ 7.25	\$1.10	\$1.20	1-1/4	3-1/4
1-L	3/4	7.25	1.10	1.20	1-1/4	3-1/4
3-L	1	8.50	1.25	1.25	1-1/2	3-1/2
1-H	3/4	10.00	1.45	1.25	1-3/4	4
2-H	7/8	10.00	1.45	1.25	1-3/4	4
3-H	1	10.00	1.45	1.25	1-3/4	4
4	1-1/8	14.50	3.65	1.35	2-3/8	5
5	1-1/4	14.50	3.65	1.35	2-3/8	5
6	1-3/8	23.00	3.65	1.40	2-5/8	5
7	1-1/2	23.00	3.65	1.40	2-5/8	5



Fig. 672



Fig. 673



Fig. 1092



## ADJUSTABLE STRUTS—Fig. 1019

Cast Bronze — For Cutless Rubber Bearings



Fig. 1019

For Diam. Shaft Inches	Width Flange Inches	Length Flange Inches	For Cutless Bearing Code	Length Bearing Inches	Weight Pounds
1	3	5-1/2	Kayak	4	6-3/4
1-1/8	3	5-1/2	Kersey	4-1/2	6-3/4
1-1/4	3-1/2	6-1/2	Kidnap	5	12
1-3/8	3-1/2	6-1/2	Kin	5-1/2	12

PRICES BELOW DO NOT INCLUDE RUBBER BEARING

Lgth. Drop. In.	Size Shaft Inches			
	1	1-1/8	1-1/4	1-3/8
5	\$28.50			
6	29.75	\$29.75	\$41.00	\$42.00
7	32.00	32.00	43.00	44.00
8	33.00	33.00	46.00	48.00
9		36.00	48.00	52.00
10		37.50	49.50	53.00

Specify size of shaft and length of drop, when ordering.



## 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.

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.

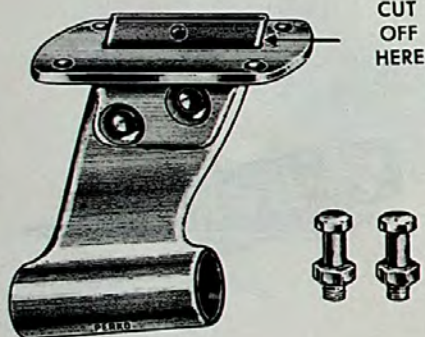


Fig. 1055

PRICES BELOW DO NOT INCLUDE RUBBER BEARING

No.	Each	For Diam. Shaft Inches	For Cutless Bearing Code	Length Bearing Inches	Weight Pounds
1	\$36.50	3/4	Kale	3	6
2	36.50	7/8	Katy	3-1/2	6
3	36.50	1	Kayak	4	6
4	42.00	1-1/8	Kersey	4-1/2	7-1/2
5	42.00	1-1/4	Kidnap	5	7-1/2



## INTAKE WATER STRAINER—Fig. 504

Cast Bronze Body

Monel Center Post — Stainless Steel Basket

Transparent Lexan Cover

A new shallow design for installation where vertical space is limited or top transparency is preferred. Especially desirable for marine air conditioning installations. Has side mounting bracket and lower side drain plug. This new strainer is easily and quickly serviced.



Fig. 504

Each	Pipe Size Inches	Diameter Body Inches	*Height Inches	Weight Pounds
\$45.00	3/4	7-1/2	3-1/2	7-3/4

\*Height Does Not Include Nut or Bracket.



## FUEL FILTER AND SEPARATOR—Fig. 299

Tested and accepted for labeling and listing by the Yacht Safety Bureau, Inc.

Cast Bronze Housing — With "Kwick Klean" Filter Element — "O" Ring Gasket — For Gasoline — Diesel Fuel — Lubricating Oil — Air — Water

The filter elements are guaranteed to strain water from gasoline. They have a high flow rate. They can also be replaced in a few minutes by the removal of one nut. This special highly engineered filter element is not ordinary wire mesh but a wound microcarbon ribbon, phenolic resin impregnated. Easily cleaned by reverse flow or back flushing of compressed air.

Size No.	Complete Each	*Spare Elements Each	Length Overall Inches	Diam. Inches	Tapped For Pipe Inches	Weight Pounds
1-A	\$25.75	\$1.10	5-1/2	2-3/8	1/4	3-3/4
1-B	25.75	1.10	5-1/2	2-3/8	3/8	3-3/4
1-1/2-A	37.50	1.20	6-1/4	3-1/8	3/8	5-1/2
1-1/2-B	37.50	1.20	6-1/4	3-1/8	1/2	5-1/2

\*No. 1 Element is 1-3/4" O.D. x 1-3/4 long.  
No. 1-1/2 Element is 2-1/4" O.D. x 2" long.

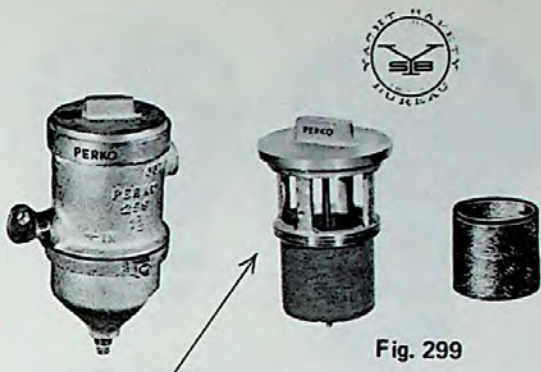


Fig. 299

Improvements—Threaded here instead of at top flange. This prevents escape of foreign matter into filtering chamber. A universal mounting bracket is supplied.

## 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
\$17.00	3/8	4	3-1/4	1-1/2

Spare Elements — \$1.10 each Spare Gaskets — \$ .35 each



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	3/8	\$22.50	2-1/2x2-3/4	4-1/4	3-1/4	1-5/8
00	1/2	22.50	2-1/2x2-3/4	4-1/4	3-1/4	1-5/8

Spare Cylinders — \$3.00 each Spare Gaskets — \$ .40 each  
Spare Strainers — \$2.25 each



Fig. 493-A

## INTAKE WATER STRAINERS—Fig. 493

Cast Bronze — Stainless Steel Strainer — Transparent Lucite Cylinders — Brass Or Monel Inside Tie Rod

Two Bronze Outside Tie Rods

No.	Complete Each	Spare Lucite Cylinders Each	Spare Cylinder Gaskets Each	Spare Strainers Each	With Monel Tie Rod Add Each
1	\$ 36.75	\$ 6.00	\$.35	\$ 3.30	\$ 2.30
2	46.00	7.50	.45	5.00	4.60
3	48.50	8.00	.45	5.50	5.00
4	51.75	9.00	.45	6.25	5.00
5	79.00	13.00	.75	7.25	9.00
6	97.00	20.00	.75	10.75	12.50
7	130.00	20.00	.75	10.75	12.50

Spare Nylon Wing Nut Gaskets

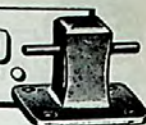
Nos. 1 Thru 4..... \$.35 each.  
Nos. 5, 6, 7..... \$.50 each.

No.	Pipe Size Inches	Size Cylinder Inches	Height Inches	Width Overall Inches	Weight Pounds
1	1/2	3-1/2x4	5-3/4	4-1/2	3-3/4
2	3/4	4-1/2x5	7-3/8	5-1/4	5
3	1	4-1/2x5-1/2	8-1/8	5-1/2	5-1/2
4	1-1/4	4-1/2x6	8-3/4	5-1/2	5-3/4
5	1-1/2	6 x8	11-1/2	7	10-1/2
6	2	6 x12	16	7-1/4	12-3/4
7	2-1/2	6 x12	16	7-1/2	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. 1248



Fig. 528

## PIPE DECK PLATES—Fig. 528

Cast Bronze — With Key — I.P.S. Thread

Flange crowned with bevelled edge, no cutout necessary.

Unmarked or marked "GAS", "FUEL", "WATER" in flange, all sizes except 3/4 inch.

Marking must be specified otherwise unmarked will be shipped.

Pipe Size Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Keys Only Each	Outside Diam. Plate Inches	Standard Package	Weight Pounds
* 3/4	\$ 4.85	\$ 7.30	\$.32	2-5/8	5	1/2
*1	5.75	8.00	.32	2-7/8	5	5/8
*1-1/4	7.20	9.75	.32	3-5/16	5	7/8
*1-1/2	8.45	10.90	.32	3-5/8	5	1
*2	13.25	16.35	.46	4-1/4	5	1-1/2
2-1/2	17.85	20.70	.69	4-5/8	1	2
3	24.20	27.20	.80	5-3/8	1	2-1/2

Caps only, price is 50% of complete plate.

\*Supplied with key Fig. 1248.



## REGULAR DECK PLATES—Fig. 526

Cast Bronze — With Key

Diam. Opening Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Keys Only Each	Outside Diam. Plate Inches	Standard Package	Weight Pounds
*1-1/2	\$ 6.25	\$ 8.75	\$.32	3-3/16	5	3/4
*2	7.30	10.15	.46	3-5/8	5	3/4
*2-1/2	9.50	12.65	.46	4-1/2	1	1
3	10.85	16.00	1.00	4-7/8	1	1-1/2
4	16.80	20.85	1.10	5-3/4	1	2
5	24.15	28.50	1.25	7-1/16	1	2-3/4
6	33.35	43.00	2.35	8-1/4	1	5
8	54.40	60.00	3.35	10-1/4	1	7

Caps only, price is 50% of complete plate.

\*Supplied with key Fig. 1248.



## NEW "WASTE" FITTINGS — Fig. 524

FOR USE IN EMPTYING HOLDING TANKS

CAST BRONZE — FLUSH TYPE — FOR PIPE

— 1-1/2 INCH I.P.S. THREAD — WITH KEY

AIRTIGHT WHEN CLOSED

Complies with adopted standard on "Fittings" A.B.Y.C. recommended practices and standards covering sewage holding and/or treatment devices for marine toilet waste.

Machine Finish Complete Each	Polished Chromium Plated Complete Each	Keys Only Each	Outside Diam. Plate Inches	Standard Package	Weight Pounds
\$8.45	\$10.90	\$.32	3-5/8	5	1



## COCKPIT SCUPPER—Fig. 142

Cast Bronze — With Rubber Ball Back Water Check

Especially needed in sailboats when outlet is below the waterline. With key for removing cap.

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	\$10.75	\$13.50	3-1/4	1-13/16	1	1-1/4
2	15.50	18.70	3-3/4	2-1/4	1-1/2	2



**NEW**

**"WASTE" FITTING OR TANK FILLER – Fig. 1270**

Zamak Die Casting – Chromium Plated  
Flush Deck Plate Type – With Key

Cap with holes and slot for key, screw driver or large coin.  
Markings on Cap and Flange as Illustrated.

- Fig. 1270 marked "WASTE" - no chain
- Fig. 1270-A Plain, no marking - with chain
- Fig. 1270-B marked "FUEL" - with chain
- Fig. 1270-C marked "WATER" - with chain

No.	Each	Inside Diameter Neck Inches	For Hose Inches	Length Neck Inches	Diameter Flange Inches	Weight Ounces
1	\$5.00	1-3/8	1-1/2	2-3/4	3-1/4	14
2	5.00	1-5/8	1-7/8	2-3/4	3-1/4	15



Fig. 1270

**GAS TANK CAP—Fig. 1245**

With Deck Flange And 15 Inches Of Bead Chain – Zamak Die Castings – Chromium Plated

Each	Threaded for Pipe Inches	Height Overall Inches	Diam. Deck Flange Inches	For Screw No.	Weight Ounces
\$3.30	1-1/2	1-1/8	3-1/8	7	9-1/2

Spare caps only with chain, \$2.40 each.

Standard Package, 5 Pieces.

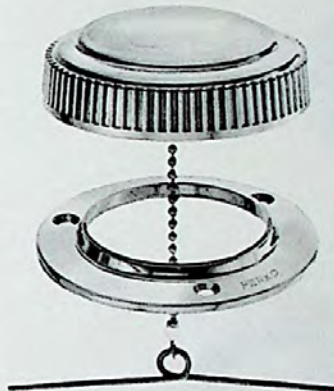


Fig. 1245

**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	\$10.50	1-1/2	13/16	3-1/4	8	9-1/2
2	13.50	2	13/16	3-7/8	8	15



Fig. 520

Standard Package, 5 Pieces.

**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	\$5.50	1-3/8	1-1/2	2-7/8	4-1/4	1-1/8
2	5.50	1-5/8	1-7/8	3-1/8	4-1/4	1-1/4

Chain is attached to inside tube.



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 bead chain which runs through filler pipe.

No.	Each	Inside Diam. Neck Inches	For Hose Inches	Length Neck Inches	Flange Dimensions Inches	Weight Pounds
1	\$6.60	1-3/8	1-1/2	2-7/8	4x4	1-1/4
2	6.60	1-11/16	1-7/8	3-1/8	4x4	1-5/8

Chain is attached to inside tube.

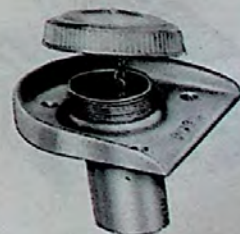


Fig. 1276



## GAS TANK VENT—Fig. 505

Cast Bronze

With Brass Wire Mesh Flame Arrester.

Made to meet the requirements of the National Fire Protection Assn. Booklet No. 302 Section No. 323 on vent pipe outlets.

The Flame Arrester is 30 x 30 mesh. The 1/2" I.P.T. is off center to create a water baffle.

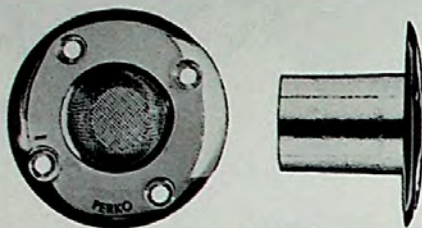


Fig. 505

Plain Each	Chromium Plated Each	Diameter Flange Inches	O.D. Neck Inches	Length Neck Inches	Weight Ounces
\$4.20	\$5.25	2-1/2	1-3/16	1-1/2	6-1/2

Standard Package, 5 Pieces.

## GAS TANK VENTS—Figs. 506 & 509

Natural or Chromium Plated Finish — With Copper Wire 30 Mesh Screening

Natural finish is desirable when fitting is to be painted to match color of hull or transom.

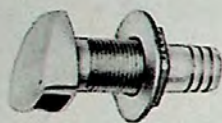


Fig. 506

Zamak Die Casting

Fig. 509  
Cast Bronze

Fig. No.	Size	Natural Finish Each	Chromium Plated Each	Pipe Size Inches	Hose Size Inches	Max. Wood Thickness Inches	Weight Ounces
506		\$1.80	\$2.10	3/8	9/16	1	2
509	1	3.45	4.55	3/8	9/16	1	4
509	2	4.10	5.75	1/2	5/8	7/8	6

Standard Package, 10 Pieces.

## GAS TANK VENTS—Fig. 503

Cast Bronze — With Flanged Elbow — With Copper Wire 30 Mesh Screening

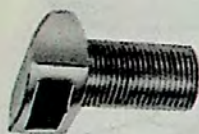


Fig. 503



No.	Plain Each	Chromium Plated Each	Neck Pipe Size Inches	Elbow Pipe Size Inches	Max. Wood Thickness Inches	Weight Ounces
1	\$4.15	\$5.20	3/8	3/8x3/8	1	5-1/2
2	4.15	5.20	3/8	3/8x1/2	1	5-1/2
3	5.00	6.60	1/2	1/2x1/2	7/8	6

Standard Package, 5 Pieces.

## GAS TANK VENTS—Fig. 515

Cast Bronze — With Copper 30 Mesh Screening

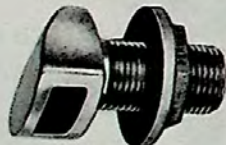


Fig. 515

No.	Natural Finish Each	Chromium Plated Each	Pipe Size Inches	Max. Wood Thickness Inches	Weight Ounces
1	\$3.45	\$4.70	3/8	7/8	3-3/4
2	4.10	5.75	1/2	7/8	5-1/4

Standard Package, 10 Pieces.

## 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
\$0.80	1-1/2	1	2

Standard Package, 10 Pieces



BUY STANDARD PACKAGES



### 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	\$2.75	\$3.75	1-7/8	3-1/4	1/8
2	3.30	4.65	2-13/32	4	1/3
2-1/2	4.10	5.65	2-29/32	4-1/2	1/2
3	5.25	6.55	3-17/32	5-1/2	3/4
3-1/2	5.45	6.90	4-1/32	6	1

Fig. 738 for Tubing

Size	Plain Each	Chromium Plated Each	Inside Diameter Inches	Outside Diameter Inches	Weight Pounds
2	\$ 3.30	\$ 4.60	2-1/16	4	1/3
2-1/2	4.10	5.70	2-9/16	4-1/2	1/2
3	5.25	6.55	3-1/16	5	5/8
3-1/2	5.40	6.75	3-9/16	5-1/2	3/4
4	5.40	6.75	4-1/16	6	3/4
5	7.60	9.10	5-1/16	7-1/16	1
6	11.00	12.90	6-1/16	8-1/16	1-3/8
8	12.35	17.80	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

The outside diameter of the neck is for 1-7/8 inch hose which fits over 1-1/2 inch pipe.

Plain Each	Chrome Plated Each	Length Overall Inches	Inside Diameter Inches	Diameter Flange Inches	Weight Pounds
\$6.10	\$8.85	3-1/4	1-9/16	3-1/2	1-1/8



Fig. 755

### STAINLESS STEEL "SURE-TITE" MARINE HOSE CLAMPS—Fig. 6400

No Rivets — Welded

Part Number	Each	Size Hose Inches		Clamp Diameter Inches		Box Quantity	Weight Per 100 in Pounds
		From	To	Min.	Max.		
4	\$.51	1/4	5/8	3/8	11/16	10	2
10	.61	3/8	5/8	5/8	1-1/16	10	6
12	.61	5/8	3/4	11/16	1-1/2	10	6
16	.61	3/4	1	13/16	1-1/2	10	7
*20	.63	1	1-1/4	13/16	1-3/4	10	7
*28	.63	1-1/4	1-3/4	1-5/16	2-1/4	10	8
*36	.66	1-3/4	2-1/4	1-13/16	2-3/4	10	9
44	.69	2-1/4	2-3/4	2-5/16	3-1/4	10	9
52	.73	3	3-1/4	2-13/16	3-3/4	10	11
56	.73	3-1/4	3-1/2	3-1/16	4	10	11
64	.75	3-1/2	4	3-9/16	4-1/2	10	12

\*The most popular stock sizes.



Fig. 6400

100% ALL 18-8 STAINLESS STEEL BAND. HOUSING AND SCREW.

### 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
\$1.30	5-3/4	3/16	1-3/4

Standard Package, 10 Pieces.

Available in Skin Pack. See Skin Pack Section

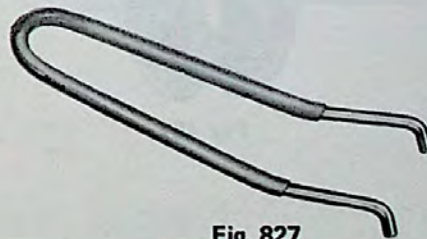


Fig. 827

### 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.

Each	Length Overall Inches	Weight Pounds
\$4.60	8-1/2	1

Standard Package, 5 Pieces.

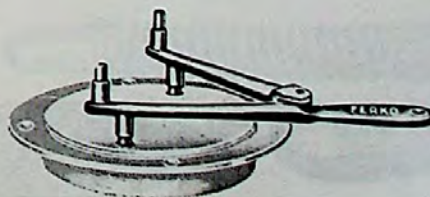


Fig. 826

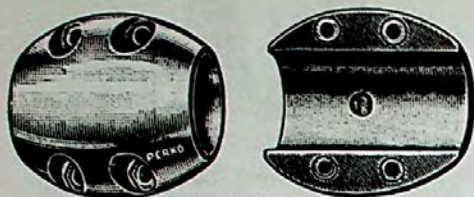


Fig. 252

## ELECTROLYSIS COLLARS—Fig. 252

Streamlined Zinc Die Casting — Precision Made And Balanced — For Shaft — Silicon Bronze Bolts And Nuts

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.

Sizes No. 1 thru 5 have 2 bolts, larger sizes 4 bolts.

No.	Each	Shaft Size Inches	Length Overall Inches	Diam. Overall Inches	Weight Pounds
1	\$1.90	3/4	2	2	3/4
2	1.90	7/8	2	2	3/4
3	2.00	1	2-1/4	2-1/4	1-1/8
4	2.00	1-1/8	2-1/4	2-1/4	1-1/8
5	2.00	1-1/4	2-1/4	2-1/4	1-1/8
6	2.75	1-3/8	2-3/4	2-1/2	1-3/8
7	2.75	1-1/2	2-3/4	2-1/2	1-3/8
8	3.60	1-3/4	2-7/8	3-1/4	2-1/2
9	3.60	2	2-7/8	3-1/4	2-1/2



Fig. 253

## ELECTROLYSIS COLLARS—Fig. 253

Zinc Die Castings — Heavy Duty Commercial Type — For Shaft

No.	Each	Shaft Size Inches	Length Overall Inches	Diam. Overall Inches	Weight Pounds
1	\$3.50	2	1-1/8	3-3/4	1-1/2
2	3.50	2-1/4	1-1/8	3-3/4	1-1/2
3	5.60	2-1/2	1-5/8	5	3-1/2
4	5.60	3	1-5/8	5	3
5	9.75	3-1/2	1-11/16	6	6
6	9.75	4	1-11/16	6	5



Fig. 407

## ELECTROLYSIS ELIMINATORS—Fig. 407

For Rudders

Smooth Zinc Die Castings — Silicon Bronze Flush Bolts And Nuts

No.	Per Set as Illustrated	Diameter Inches	Thickness Each Half Inches	Length Bolt Inches	Weight Complete Pounds
2	\$2.10	2-7/8	5/8	1-1/2	1
2-A	3.30	3-3/4	9/16	2	1-3/4
3	5.00	5	5/8	2	3



Fig. 244

## ELECTROLYSIS ELIMINATORS—Fig. 244

For Small Boat Hulls

Zinc Die Castings

No.	Each	Length Inches	Width Inches	Depth Inches	Weight
1	\$.85	3-1/2	1-3/4	5/8	6-1/2 oz.
2	1.60	5-1/4	2-1/8	1	1-1/4 lb.





### ELECTROLYSIS ELIMINATORS—Fig. 247

For Small Boat Hulls

Zinc Die Castings

Each	Length Inches	Width Inches	Thickness Inches	Weight Ounces
\$1.30	4-3/4	2	3/4	14



Fig. 247



### NEW ELECTROLYSIS ELIMINATORS — Fig. 241

For Yacht Hulls

Zinc Die Castings

Each	Length Inches	Width Inches	Thickness Inches	Weight Pounds
\$3.95	9-1/4	3-3/8	3/4	3-1/4



Fig. 241



### ELECTROLYSIS ELIMINATORS—Fig. 345

Die Cast Zinc — For Commercial Hulls

Each	Length Inches	Width Inches	Thickness Inches	Weight Pounds
\$2.90	6-1/4	2-3/4	5/8	2-1/4



Fig. 345



### 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	\$2.00	\$ .75	3/8	3/8x1-3/4	2
2	2.30	1.00	1/2	5/8x2	4-1/2
3	3.00	1.20	3/4	3/4x2	7
4	3.20	1.45	3/4	3/4x3-1/4	8-1/2

Standard Package, 5 Pieces per size.

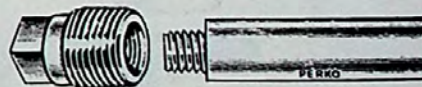


Fig. 254



### DOCK LINE SPRINGS—Fig. 759

Steel — Zinc Plated

A very strong compression spring for dock and mooring lines. It cushions the strain and contributes greatly to the life of the line. Size No. 1 will accommodate 1/2 inch diameter rope, No. 2 for 3/4 inch rope.

No.	Each	Length Overall Inches	Diameter Spring Inches	Diameter Metal Inches	Compression Inches	Weight Pounds
1	\$2.10	10	1-1/2	3/16	4-1/2	7/8
2	6.35	18	2	1/4	8	2-3/4



Fig. 759



Fig. 518

## NEW "SLIMLINE" CLEATS – Fig. 518

Pressure Cast Silicon Bronze – Chromium Plated

A new cleat of unusual and attractive design, slim lines but very strong.

Length Inches	Each	Base Dimensions Inches	For Diam. Rope Inches	For Screw	Weight Ounces
6-1/2	\$4.90	3 x 1-1/8	3/4	1/4"	7

Standard Package, 5 pieces

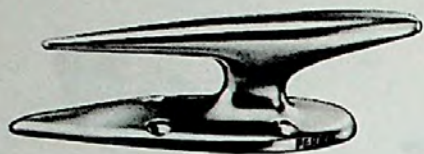


Fig. 566

## STREAMLINE CLEATS – Fig. 566

Zamak Die Castings – Chromium Plated

Length Inches	Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
2	\$ .77	2-3/16x1-1/8	5/16	6	10	1-1/2
3	1.00	3-1/8 x1-1/2	3/8	8	10	4-1/2
4-1/2	1.65	4-7/16x1-7/8	1/2	10	10	8-1/2
6	2.55	5-1/2 x2	3/4	12	5	13-1/2
7-1/2	6.00	4-3/8 x2-3/4	1	12	5	26



Available in Skin Pack. See Skin Pack Section.



Fig. 1250

## MODERN DESIGN CLEATS – Fig. 1250

Zamak Die Castings – Chromium Plated

Length Inches	Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
3	\$1.15	1-1/2x1-1/4	3/8	8	10	2
4-1/2	1.70	1-7/8x1-1/2	1/2	8	10	5-1/2
6	2.75	2-1/4x2-1/8	3/4	10	5	10-1/2



Available in Skin Pack. See Skin Pack Section.



Fig. 1200

## STURDY CLEATS – Fig. 1200

Zamak Die Castings – Chromium Plated

No.	Length Inches	Each	Size Base Inches	For Rope Inches	For Screw No.	Weight Ounces
1	2-3/8	\$ .98	7/8 x1/2	3/8	8	1
2	3-1/2	1.20	1-3/16x11/16	1/2	8	2-1/4
3	5	1.80	1-7/16x1	5/8	10	4-3/4
4	6-1/2	2.65	1-3/4 x1-3/16	3/4	10	7

Standard Package, 10 Pieces.



Fig. 1204

## STURDY CLEATS WITH STUDS – Fig. 1204

With Nuts and Washers

Zamak Die Castings – Chromium Plated

No.	Length Inches	Each	Size Base Inches	For Rope Inches	Weight Ounces
2	3-1/2	\$1.75	1-3/16x11/16	1/2	3-1/4
3	5	2.20	1-7/16x1	5/8	7-1/2
4	6-1/2	3.20	1-3/4 x1-3/16	3/4	11-1/2

Standard Package, 10 Pieces Per Size.  
Size of studs, No. 2 is 12/24 x 1-1/4.  
Nos. 3 and 4 are 1/4-20 x 1-1/4.



### SOLID BASE BOAT CLEATS—Fig. 544—A

Cast Bronze

Length Inches	Polished Bronze Each	Chromium Plated Each	For Screw No.	Standard Package	Weight Ounces
3	\$2.65	\$2.80	8	10	2-1/2
4	3.15	3.45	10	10	4
5	4.55	5.00	1/4"	10	5-1/2
6	5.45	5.75	1/4"	10	8

Available in Skin Pack. See Skin Pack Section



Fig. 544-A

### 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
3-1/2	\$ .50			3/16
4	.58		See Figure 544 A	1/4
5	.80			3/8
6	1.10			1/2
8	1.98	\$ 8.35	\$ 8.75	1-1/4
10	3.30	12.65	13.25	2-1/4
12	4.95	20.75	21.85	3-3/4
14	7.25			6-1/4



Fig. 544

### CAST ALUMINUM CLEATS—Fig. 545

Plain Finish

Length Inches	Each	Size Base Inches	For Screw No.	Weight Ounces
3	\$ .70	1-1/2x5/8	8	1-1/2
4	.82	1-5/8x3/4	10	2
5	.90	2 x7/8	1/4"	3
6	1.10	2-1/4x7/8	1/4"	4
*8	1.45	2-5/8x1-1/8	1/4"	5
*10	2.75	3-5/8x1-1/4	5/16"	9
*12	3.75	4 x1-1/2	5/16"	14

\*These sizes are open base type. Balance of sizes are solid base type.



Fig. 545



### YACHT CLEATS

Cast Bronze — Fig. 572

Length Inches	Chromium Plated Each	For Screw No.	Standard Package	Weight Pounds
4-1/2	\$ 6.00	10	10	1/2
5-1/2	6.60	10	5	5/8
6-1/2	8.00	12	5	3/4
*8	9.80	1/4"	5	1-1/4
*10	15.85	5/16"		2
*12	23.00	5/16"		3

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



Fig. 572—Bronze

Fig. 1188—Zamak

### Zamak Die Castings — Chromium Plated — Fig. 1188

Length Inches	Each	Width Base Inches	For Screw No.	Standard Package	Weight Ounces
4	\$2.35	1-5/8	10	10	3-1/2
6	2.85	1-3/4	10	10	7-1/2

Available in Skin Pack. See Skin Pack Section



### 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	\$ 4.00	4 x2-1/4	1/2	1-1/8
10	5.50	4-1/2x3	1/2	1-3/4
12	8.60	6-1/2x2-7/8	5/8	3-1/2
15	12.50	7 x3-1/4	3/4	4-7/8



Fig. 530



Fig. 1257



Fig. 1253



Fig. 1223



Fig. 1292



Fig. 546



Fig. 119

### MODERN DESIGN BOW CHOCKS WITH STUDS—Fig. 1257

Zamak Die Castings — Chromium Plated

Studs are 12/24 x 1-5/8" long — with nuts and washers

Per Pair	Length Overall Inches	Width Inches	For Diam. Rope Inches	For Screw No.	Weight Per Pair Ounces
\$2.75	4	15/16	1/2	8	9

Standard Package, 10 Pairs.

### MODERN DESIGN BOW CHOCKS — Fig. 1253

Zamak Die Castings — Chromium Plated

For 1/2 inch diameter rope.

Per Pair	Length Overall Inches	Width Inches	For Screw No.	Weight Per Pair Ounces
\$2.20	4	15/16	10	7

Standard Package, 10 Pairs.

Available in Skin Pack. See Skin Pack Section

### SKENE BOW CHOCKS—Fig. 1223

Zamak Die Casting — Chromium Plated

Per Pair	Length Overall Inches	Width Inches	For Diam. Rope Inches	For Screw No.	Weight Per Pair Ounces
\$1.65	3-1/2	7/8	1/2	8	4

Standard Package, 10 Pairs.

Available in Skin Pack. See Skin Pack Section

### "STURDY" CHOCKS — Fig. 1292

Chromium Plated

For 1/2 inch diameter rope.

Per Pair	Length Overall Inches	Width Inches	For Screw No.	Weight Per Pair Ounces
\$2.65	4-1/2	1	10	8

Standard Package, 10 Pairs.

### BOW CHOCKS—Fig. 546

Cast Bronze

Lgth. Inches	Polished Bronze Per Pair	Chrome Plated Per Pair	Width Inches	For Diam. Rope Inches	For Screw No.	Wt. Per Pair Lbs.
3	\$ 4.40	\$ 5.00	5/8	3/8	8	1/4
4	5.70	6.10	3/4	5/8	10	1/2
5	10.75	11.50	7/8	7/8	10	1
6	15.00	15.75	1	1	14	1-1/2
8	19.50	20.70	1-1/4	1-1/8	14	3

Standard Package, 5 Pairs.

Available in Skin Pack. See Skin Pack Section

### STRAIGHT STERN CHOCKS—Fig. 119

Cast Bronze

Length Inches	Polished Bronze Each	Chrome Plated Each	Width Inches	For Diam. Rope Inches	For Screw No.	Wt. Each Lbs.
4	\$ 4.85	\$ 5.20	7/8	3/4	8	1/4
5	6.45	6.80	1	7/8	10	1/2
6	7.35	7.70	1-1/8	1	12	3/4
8	12.20	13.20	1-5/8	1-1/8	14	1-1/2

Standard Package, 4, 5 & 6 inches. 5 Pieces.

Available in Skin Pack. See Skin Pack Section

BUY STANDARD PACKAGES



### 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
\$2.40	4	1	1/2	10	3-1/2

Standard Package, 10 Pairs.



### SKENE BOW CHOCKS—Fig. 160

Cast Bronze — Chromium Plated

Size No.	Per Pair	Length Inches	Width Inches	For Diam. Rope Inches	Weight Per Pair Pounds
1	\$11.50	4-1/2	3/4	5/8	3/4
2	17.00	5-1/8	1-1/8	3/4	1-1/2
3	31.60	7-1/4	1-3/8	7/8	4



### SKENE STERN CHOCKS—Fig. 161

Cast Bronze — Chromium Plated

Size No.	Each	Length Inches	Width Inches	For Diam. Rope Inches	Weight Each Pounds
11	\$ 6.00	4	7/8	5/8	1/2
12	11.20	5-3/4	1-1/4	3/4	1
13	15.80	7	1-5/8	7/8	2



### 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
	\$11.50	4-1/4x6-1/4	2-1/16x4	1-1/16	1-1/4



### COMBINATION BITT AND ROPE DECK PIPES—Fig. 431

Cast Bronze — With Stainless Steel Cross Pin

No.	Chromium Plated Each	Size Base Inches	Height Inches	For Diam. Rope Inches	Weight Pounds
2	\$19.50	4-1/4x4-1/4	3-1/2	3/4	1-3/4
2-1/2	30.00	5 x5	4-3/4	1	3-1/4
3	35.50	6 x6	5	1	4
4	76.00	7 x7	6-1/2	1-1/4	12

No. 2 Drilled for 1/4 inch bolt.

No. 2-1/2 Drilled for 3/8 inch bolt.

No. 3 Drilled for 3/8 inch bolt.

No. 4 Drilled for 1/2 inch bolt.



### MOORING BITTS—Fig. 608

Cast Bronze — With Stainless Steel Cross Pin

No.	Chromium Plated Each	Size Base Inches	Height Inches	For Screw No.	Weight Pounds
1	\$10.75	3 x3	2-1/2	10	7/8
2	18.20	4-1/4x4-1/4	3-1/2	1/4"	1-7/8
2-1/2	28.75	5 x5	4-3/4	3/8"	3-1/2
3	34.00	6 x6	5	3/8"	4-1/2
4	73.50	7 x7	6-1/2	1/2"	12



Fig. 1240



Fig. 160



Fig. 161



Fig. 752

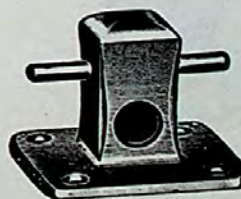


Fig. 431

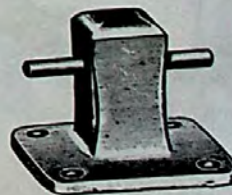


Fig. 608



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 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
\$19.25	5-1/4x4	3-3/4x2-1/2	1-3/8	2

Spare Cover With Hook and Chain, \$11.25



Fig. 742 — Bronze

Fig. 757 — Zamak

## ROPE DECK PIPE—Figs. 742 and 757

With Hinged Cover - Chromium Plated — Zamak Die Casting or Cast Bronze

Fig. 742 Bronze Each	Fig. 757 Zamak Each	For Diam. Rope Inches	Inside Diameter Inches	Diameter Flange Inches	Bronze Weight Pounds	Zamak Weight Pounds
\$9.50	\$3.75	1	1-3/4	3-3/8	3/4	1/2



Fig. 741

## ROPE DECK PIPES—Fig. 741

Cast Bronze — Chromium Plated

No.	Each	For Diam. Rope Inches	Inside Diam. Inches	Diam. Flange Inches	For Screw No.	Weight Pounds
0	\$ 9.75	5/8	1-1/4	3	8	3/4
1	15.80	3/4 & 1	1-5/8	4-1/4	8	1-5/8

Spare caps with Chain, half of above prices.



Fig. 1299

## FENDER LOCK—Fig. 1299

Zamak Die Casting — Chromium Plated

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
\$1.15	1-1/2	3/8	1

Standard Package, 10 Pieces.

Available in Skin Pack. See Skin Pack Section



Fig. 1246

## FENDER HOOKS—Fig. 1246

Zamak Die Casting — Chromium Plated

Each	For Rope Diameter Inches	Size Plate Inches	For Screw No.	Weight Ounces
\$ .66	3/8	1-3/4x1-1/4	6	1-1/4

Standard Package, 10 Pieces.

Available in Skin Pack. See Skin Pack Section.

## NEW

## SNAP TYPE FENDER HOOK — Fig. 1309

Zamak Die Casting — Chromium Plated.

No more lost fenders, the snap does the job.

Each	For Rope Diameter Inches	Size Plate Inches	For Screw No.	Weight Ounces
\$1.00	1/4	1-9/16x1-3/8	6	1-1/2

Standard Package, 10 Pieces.



Fig. 1309





**LADDER HOOKS—Fig. 717**  
**For Folding Boarding Ladders**  
**Cast Bronze — Chromium Plated**

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	7/8	7	2-1/2x3-1/4	2-1/2
COMPLETE PER SET				PLATES ONLY PER SET		
\$29.50				\$9.75		

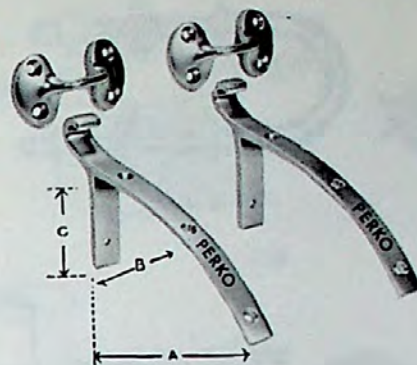


Fig. 717

**LADDER LOCKS—Fig. 669**  
**For Companionway or Upper Berth — Pressure Cast Silicon  
 Bronze**

Height Inches	Length Socket Inches	Length Bracket Inches	Weight Per Set Ounces
1-1/4	1	1-3/4	12
Complete		Spare Sockets Only	
Plain Bronze Per Set	Chromium Plated Per Set	Plain Bronze Per Pair	Chromium Plated Per Pair
\$4.40	\$8.85	\$2.50	\$4.00



Fig. 669

A set consists of four pieces illustrated.  
 Standard Package, 5 Sets.

**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.

Mounting Holes for 5/16 Inch Bolt.

Plain Bronze Each	Chromium Plated Each	Size Step Inches	Size Base Inches	Extends Folded Inches	Weight Pounds
\$6.30	\$13.25	4x2	4-1/4x1-3/4	7/8	1-1/8

Standard Package, 5 Pieces.

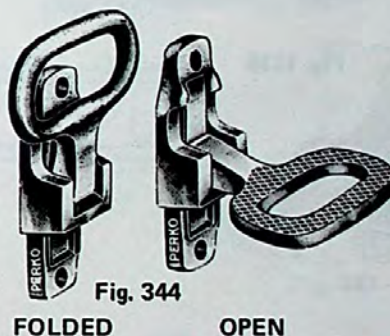


Fig. 344

**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
\$6.90	\$9.25	6x4-1/4	6x2	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
\$11.30	\$14.80	11x4-1/2	11x2	2-7/8



Fig. 501

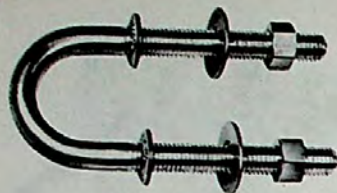


Fig. 237

**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
0	\$2.50	2-1/4	5/16	1-1/8	1	3
1	3.00	3	5/16	3	1	4
2	3.85	6	5/16	4-5/8	1	5-1/2
3	4.25	3	3/8	3	1-1/8	5
4	8.00	3	1/2	3-3/8	1-1/2	12

Standard Package, Nos. 0 thru 3, 10 Pieces. No. 4, 5 Pieces.

Available in Skin Pack. See Skin Pack Section.

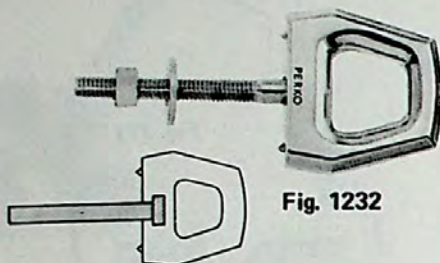


Fig. 1232

**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	\$2.10	3	2-1/2	3/8	1	10
3	2.20	3	2-1/2	1/2	1	10-1/2

Standard Package, 10 Pieces Per Size.

Available in Skin Pack. See Skin Pack Section.

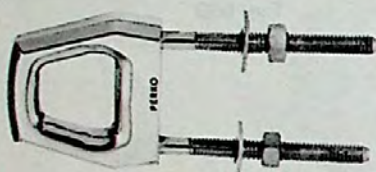


Fig. 1235

**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	\$2.30	3	2-3/4	5/16	1	11

Note illustration of "U" bolt which provides greater strength.

Standard Package, 10 Pieces.

Available in Skin Pack. See Skin Pack Section.



Fig. 239

**BOW EYES—Fig. 239**

Drop Forged Bronze — Extra Strong Shank

Dull Bronze Each	Chromium Plated Each	I.D. Eye Inches	Lgth. Shank Inches	Diam. Shank Inches	Weight Ounces
\$3.10	\$3.80	1	3-1/8	3/8	5-1/2

Standard Package, 10 Pieces.

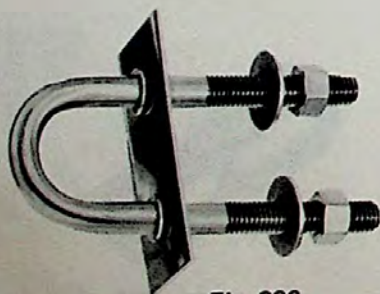


Fig. 236

**TRANSOM EYES—Fig. 236**

18-8 Stainless Steel — Polished

For use as towing or lashing eye, has heavy gauge stainless steel finishing plate, stainless steel nuts and washers.

No.	Each	Diameter Metal Inches	Length Shank Inches	Inside Eye Inches	Dimensions Plate Inches	Weight Ounces
0	\$2.50	5/16	2-1/4	1	3 x 1-3/4	4
1	3.25	5/16	3	1	3 x 1-3/4	6
3	4.25	3/8	3	1-1/8	3 x 1-3/4	10
4	8.45	1/2	3-1/2	1-1/2	4 x 1-3/4	14-1/2

Standard Package, No. 0, 1 — 10 Pieces. Balance 5 Pieces.

BUY STANDARD PACKAGES





NEW

## LIFTING EYE AND CLEAT—Fig. 434

Cast Manganese Bronze – Chromium Plated  
For 5/8 Inch Rod

Production Samples Were Laboratory Tested and Broken at Over 23,000 Pounds.

Each	I.D. Eye Inches	Length Cleat Inches	Dimensions Base Inches	Weight Ounces
\$11.75	1-1/16	5-1/2	3x2-1/2	18



Fig. 434



## HEAVY DUTY LIFTING EYES—Figs. 429 & 430

Cast Manganese Bronze – Chromium Plated

A good strong eye made to do the job and designed to conform in styling with other fittings on the modern boat.

Production samples were laboratory tensile tested and broken at over 8500 lbs.

Fig.	Each	For Rod Inches	I.D. Eye Inches	O.D. Eye Inches	Weight Ounces
429	\$11.20	5/8	1-1/2	2-1/4	19
430	12.65	5/8	1-1/2	2-1/4	17



Fig. 429  
INTEGRAL FLANGE



Fig. 430  
LOOSE FLANGE

## HEAVY DUTY ANGULAR KEEL PLATES—Fig. 447

Cast Manganese Bronze – Plain – For 5/8 Inch Rod

Each	Dimensions Base Inches	For Diam. Bolt Inches	Weight Ounces
\$5.15	3-7/8x1-1/2	1/4	15

Standard Package, 5 Pieces.

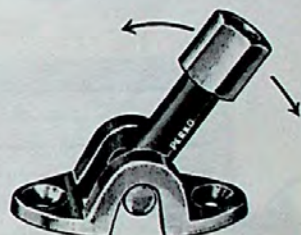


Fig. 447

NEW

## COMBINATION KEEL PLATE & BOWEYE—Fig. 486

Stainless Steel Plate and Bow Eye  
Manganese Bronze Connecting Rod

Bow Eye is 1/2 Inch Diameter With 3-1/2 Inch Shank, 2-1/2 Inch Thread. S.S. Nuts.

Connecting Rod Tapped 5/8 Inch.

Each	Length Plate Inches	Width Plate Inches	Weight Pounds
\$14.00	5-1/2	1-1/2	1-3/4



Fig. 486



## PAD OR LASHING EYES—Fig. 423

CAST MANGANESE BRONZE

No.	Burnished Each	Polished Chrome Each	Size Plate Inches	Size Eye Inches	Size Bolt Inches	Weight Ounces
1	\$2.85	\$5.35	4x2-1/2	1	1/4	8
2	4.60	7.45	5x3-1/8	1-1/2x1	5/16	14-1/2

Standard Package, 6 Pieces



Fig. 423



## STEP PLATES—Fig. 1225

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

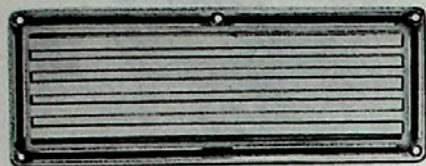


Fig. 1225

No.	Complete Each	Overall Dimensions Inches	For Screw No.	Weight Ounces
0	\$1.80	8-3/8x2-1/4	8	5
1	2.20	8-3/4x3-1/4	8	8
2	4.55	11-1/2x5-3/4	8	12

Standard Package, 10 Pieces.



Available in Colors. See Acry-Color Section.



Available in Skin Pack. See Skin Pack Section.

## STEP PLATES—Fig. 1043

Cast Bronze Frame — Chromium Plated — With White Moulded Step Pads

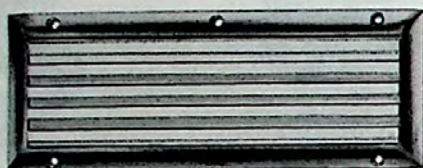


Fig. 1043

No.	Complete Each	Overall Dimensions Inches	For Screw No.	Weight Pounds
0	\$ 5.00	8 x2-1/4	4	1/2
1	7.50	8-3/4x3-1/4	6	3/4
2	11.80	11-1/2x5-3/4	8	1-3/4

Standard Package 10 Pieces.

## STEP PADS ONLY—Fig. 1050

Without Frame — For Figs. 1225 & 1043



Fig. 1050

No.	Each
0	\$ .85
1	1.10
2	2.00

## TRANSOM PLATES—Fig. 1224

Zamak Die Castings — Chromium Plated

For outboard motor brackets, saves wear and tear on transom and helps to prevent loss of motor.



Fig. 1224

No.	Per Pair	Length Overall Inches	Inside Diameter Inches	Weight Per Pair Ounces	Standard Package
1	\$1.65	3-1/2	1-7/8	2-3/4	10
2	2.40	3-1/2	2-1/16	3	10



Available in Skin Pack. See Skin Pack Section.

## CURVED REAR VIEW MIRRORS

Wide Vision — Non-Glare — Lead Backed Glass

WINDSHIELD MOUNTING — ADJUSTABLE — Fig. 400

DECK MOUNTING — CHROMIUM PLATED BASE—Fig. 406



Fig. 400



Fig. 406

Fig.	Each	Width Mirror Inches	Height Mirror Inches	Size Base Inches	Height Overall Inches	Weight Ounces
400	\$ 7.90	11-3/8	2-1/2			1/2
406	10.25	12	2-3/4	3-3/4x3/4	4-1/2	3/4



### BOW HANDLE—Fig. 1244

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Length Base Inches	Height Above Deck Inches	For Screw No.	Weight Ounces
\$4.65	12	1-3/4	8	13

Standard Package, 5 Pieces.



Fig. 1244

### BOW HANDLE— Fig. 1221

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Length Overall Inches	Height Above Deck Inches	For Screw No.	Weight Ounces
\$2.10	6-1/2	2	8	5-1/2

Standard Package, 10 Pieces.



Fig. 1221

### BOW HANDLE—Fig. 1234

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Length Overall Inches	Height Above Deck Inches	For Screw No.	Weight Ounces
\$2.10	6-1/2	2	8	5-1/2

Standard Package, 10 Pieces.



Fig. 1234

### TRANSOM HANDLE—Fig. 1229

Zamak Die Casting — Chromium Plated

Chromium Plated Each	Length Overall Inches	Length Inside Inches	For Screw No.	Weight Ounces
\$1.10	5-1/4	3-1/2	6	2-1/4

Standard Package, 10 Pieces



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
\$1.50	6	3-1/2	1-5/16	1/4"	7-1/4

Standard Package, 10 Pieces.

Available in Skin Pack. See Skin Pack Section.

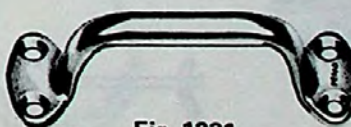


Fig. 1231

### TRANSOM HANDLES—Figs. 775 & 1222

Pressure Cast Silicon Bronze Or Zamak Die Casting

Fig. No.	Burn. Bronze Each	Polished Bronze Each	Chrome Plated Each	Length Overall Inches	Length Inside Inches	For Screw No.	Wt. Ozs.
775 1	\$1.95	\$2.35	\$2.65	4-1/4	2-5/8	6	2
775 2	3.10	3.45	3.90	5-3/4	3-3/4	8	4
1222			1.30	5-3/4	3-3/4	8	3-1/2

Standard Package, 10 Pieces Each Size.

Fig. 775 #2 Available in Skin Pack. See Skin Pack Section.



Bronze Fig. 775

Zamak Fig. 1222



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Fig. 1262

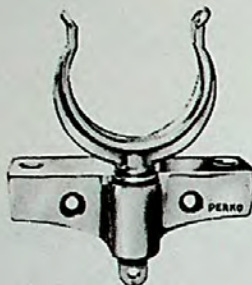


Fig. 1263

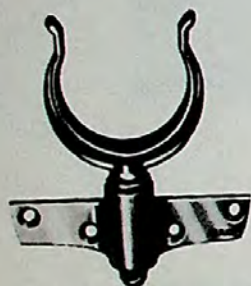


Fig. 1285

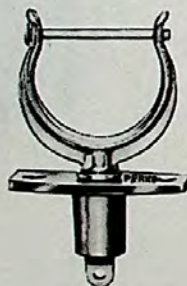


Fig. 1227

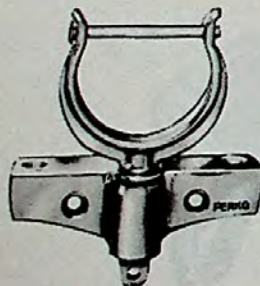


Fig. 1228



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	\$2.65	\$1.20	\$1.45
Chromium Plated	4.40	2.35	2.05



### 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	\$3.00	\$1.20	\$1.80
Chromium Plated	5.45	2.35	3.10

Available in Skin Pack. See Skin Pack Section.



### 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	\$2.75	\$1.20	\$1.55
Chromium Plated	4.95	2.35	2.60



### 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	\$2.90	\$1.50	\$1.40
Chromium Plated	4.70	2.65	2.05



### 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	\$3.30	\$1.50	\$1.80
Chromium Plated	5.75	2.65	3.10

Available in Skin Pack. See Skin Pack Section.



### 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	\$3.00	\$1.50	\$1.55
Chromium Plated	5.25	2.65	2.65

NOTE—ALL PERKO ZAMAK ROWLOCKS ARE INTERCHANGEABLE. SHANK IS 1/2 INCH DIAMETER, 1-3/4 INCHES LONG.

STANDARD PACKAGE ALL ABOVE STYLES 10 PAIRS, COMPLETE OR IN PARTS.

BUY STANDARD PACKAGES



**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	\$2.75	\$1.30	\$1.45
Chromium Plated	4.50	2.45	2.05

Standard Package, 10 Pairs.



**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	\$3.10	\$1.30	\$1.80
Chromium Plated	5.55	2.45	3.10

Standard Package, 10 Pairs.

Available in Skin Pack. See Skin Pack Section.



**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	\$2.85	\$1.30	\$1.55
Chromium Plated	5.05	2.45	2.60

Standard Package, 10 Pairs.



**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	\$2.05	\$1.25	\$.80	1-3/4	1-1/8
1	2.20	1.40	.80	2	1-1/4



**STANDARD SOCKET ROWLOCKS—Fig. 639**

Galvanized Malleable Iron

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
0	\$2.85	\$1.95	\$.90	1-3/4	1-1/8
1	3.60	2.70	.90	2	1-1/4



**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	\$4.30	\$2.10	\$2.20	1-3/4	1-1/4
1	4.50	2.30	2.20	2	1-1/2



Fig. 1267



Fig. 1268

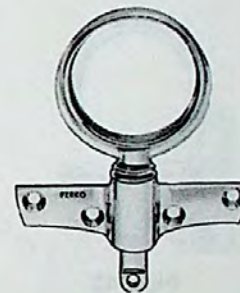


Fig. 1269

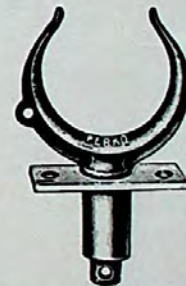


Fig. 638



Fig. 639



Fig. 646



Fig. 643



Fig. 644



Fig. 641



Fig. 642

**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	\$3.30	\$2.50	\$ .80	2-1/8	1-1/2
644	4.40	2.50	1.90	2-1/8	1-1/2



**DAVIS PATTERN ROWLOCKS—Fig. 641**

Galvanized Malleable Iron

Size No.	Per Pair	Opening Inches	Weight Per Pair Pounds
0	\$5.80	1-3/4	2
1	6.00	2	2



**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	\$3.00	\$2.20	\$.80	2	1-1/8
1	3.55	2.75	.80	2-1/4	1-1/4



**OAR LEATHERS AND BUTTONS—Fig. 233**

Russet Leather

No.	Per Pair
1 Complete, Leathers and Buttons.....	\$2.25
2 Leathers Only—7x6-1/2 inches .....	1.90
3 Buttons Only—1/2x13 inches .....	.40

Standard Package, 10 Pairs.



Fig. 233



**“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.

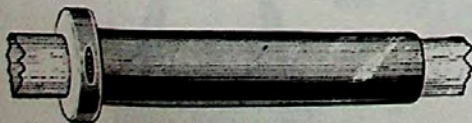


Fig. 648

Each	Length Inches	Outside Diameter Inches	Inside Diameter Inches	Weight Ounces
\$4.00	9	1-3/4 to 2	1-1/2 to 1-3/4	6-1/2



## RING BUOY HOLDERS—Fig. 1017

Cast Bronze

Plain Bronze Each	Chromium Plated Each	Width Mounting Plate Inches	Hgt. Overall Inches	For Screw No.	Wt. Lbs.
\$3.15	\$6.60	3	4-1/2	8	1/2

Standard Package, 5 Pieces.



Fig. 1017

## BOAT HOOKS—Fig. 224

Ball Points — Galvanized Malleable Iron

Size No.	Each	For Diam. Pole Inches	Extreme Length Inches	Weight Ounces
4	\$2.90	1-1/4	8-1/4	12
5	4.00	1-1/2	9-3/8	18

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



Fig. 224

## 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
\$1.35	3-1/2	1	6	10 pr.	1-1/2



Fig. 492

## "HOLDALL" SPRING CLAMPS—Fig. 502

18-8 Stainless Steel — Polished

Excellent for stowing fishing rods, boat hooks, oars, swab, broom, flashlight, flagstaff, pump, etc.

No.	Per Pair	Adjustability Inches	Length From Wall Inches	Width of Metal Inches	For Screw No.	Weight Per Pair Ounces
1	\$1.10	5/8 to 1-1/4	1-1/2	1/2	6	2
2	1.25	1 to 1-3/4	2-1/4	5/8	6	2-1/2

Standard Package, 10 Pair Per Size.

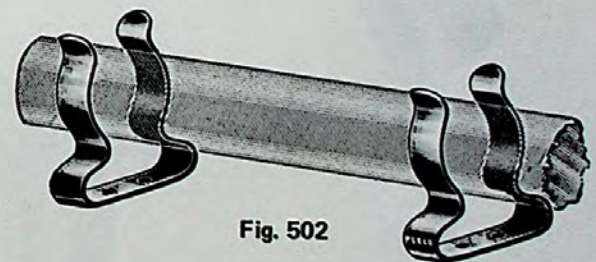


Fig. 502

## "HOLDALL" SPRING HOLDERS—Fig. 525

No. 316 Stainless Steel — Non-Corrosive Stainless Steel Spring — Stainless Steel 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
\$1.25	up to 1-1/4	2-3/8	1

Standard Package, 10 Pieces.



Fig. 525



HINGES FOR WOOD RAILS – Fig. 180

Cast Bronze – Chromium Plated – Stainless Steel Pins

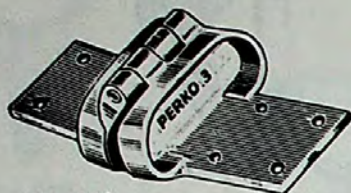


Fig. 180

No.	Each	Size Rail Inches	Length Overall Inches	Weight Pounds
1	\$14.75	2-3/8x1-3/8	5	3/4
2	15.75	2-7/8x1-1/4	5-1/2	1



LATCHES FOR WOOD RAILS—Fig. 185

Cast Bronze – Chromium Plated – Stainless Steel Pins

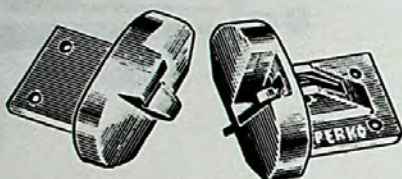


Fig. 185

No.	Each	Size Rail Inches	Length Overall Inches	Weight Pounds
1	\$13.80	2-3/8x1-3/8	5	1-1/16
2	15.00	2-7/8x1-1/4	5-1/2	1-1/4



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.

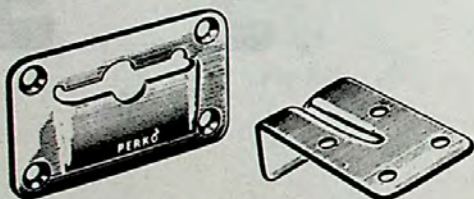


Fig. 148

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
\$6.00	\$3.00	\$3.00	2-3/4x1-11/16	3-3/8x2	3	3

Standard Package, 5 Sets.

A set consists of 2 brackets and 2 plates.



HAND WINDSHIELD WIPERS—Fig. 533

For Straight or Curved Windshields – Stainless Steel Extensible Arm and Blade Holder – Other Parts 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
\$8.25	\$9.00	15 to 18	3/8	2-3/8	8

For thickness of wood up to 1-1/8 inches.

Spare Arm	.....	\$2.65	each
Spare Straight Blade	.....	1.15	each
Spare Curved Blade	.....	2.40	each



No. 1 with Straight Blade



No. 2 with Curved Blade



Available in Skin Pack. See Skin Pack Section.





## "PERKO" RAIL FITTINGS

Cast Bronze – Polished Chromium Plated

With Stainless Steel Allen Set Screws – Drilled and Countersunk 1/4"

### ROUND ANGLE BASE—Fig. 992

Each	For Tubing Inches	Diameter Base Inches	Height Inches	Weight Ounces
\$7.65	7/8	2-5/8	1-3/4	8

Included angle – 60°.



Fig. 992

### ROUND STRAIGHT BASE—Fig. 973

Each	For Tubing Inches	Diameter Base Inches	Height Inches	Weight Ounces
\$7.35	7/8	2-5/8	1-5/8	7



Fig. 973

### RECTANGULAR ANGLE BASE—Fig. 981

Each	For Tubing Inches	Dimensions Base Inches	Height Inches	Weight Ounces
\$8.00	7/8	2-7/8x1-3/4	1-3/4	8

Included angle – 60°.



Fig. 981

### RECTANGULAR STRAIGHT BASE—Fig. 977

Each	For Tubing Inches	Dimensions Base Inches	Height Inches	Weight Ounces
\$7.50	7/8	2-3/4x1-3/4	1-5/8	6-1/2



Fig. 977

### ANGLE TEE—Fig. 990

Right or Left Hand

Each	For Tubing Inches	Length Inches	Height Inches	Weight Ounces
\$6.65	7/8	2	2-3/16	6

Included angle – 60°  
Please specify hand.

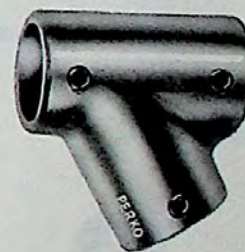


Fig. 990

### STRAIGHT TEE—Fig. 989

Each	For Tubing Inches	Length Inches	Height Inches	Weight Ounces
\$6.65	7/8	2	2	6

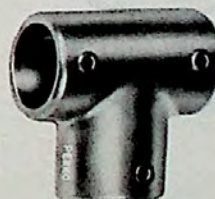


Fig. 989

### BOW FORM—Fig. 993

With 3/4" Flag Pole Socket

Each	For Tubing Inches	Width Overall Inches	Angle Degree	Weight Ounces
\$11.00	7/8	4-1/4	110	12-1/2



Fig. 993

NOTE – STANDARD PACKAGE, ENTIRE PAGE, 5 PIECES.

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Fig. 1207 End Posts  
Fig. 1208 Center Posts

## 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 Ounces
1207	\$1.60	1-3/4	1-7/8x1-5/8	10	6-1/2
1208	1.50	1-3/4	1-1/2x1-1/8	10	5

Standard Package, 10 Pieces.



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

## GRAB RAIL POSTS—Fig. 432 & 432-A

Cast Bronze — Chromium Plated — For 5/8 Inch O.D. 22 Gauge Brass Tubing

Fig.	Each	Height Overall Inches	Dimensions Base Inches	For Screw No.	Weight Ounces
432	\$5.30	1-5/8	2-1/16x1-9/16	6	5
432-A	4.50	1-5/8	1-5/8 x1-1/4	6	2-3/4



Fig. 413 End Posts  
Fig. 413-A Center Posts

## GRAB RAIL POSTS—Figs. 413 & 413-A

Cast Bronze — Chromium Plated — For 1 Inch O.D. 20 Gauge Brass Tubing

Fig.	Each	Height Overall Inches	Dimensions Base Inches	For Screw No.	Weight Ounces
413	\$7.60	2-1/4	3 x2	8	10
413-A	6.30	2-1/4	2-3/4x1-1/2	8	7-1/4

Standard Package — Fig. 413, 10 Pieces.  
Standard Package — Fig. 413-A, 5 Pieces.



Fig. 380 End Posts  
Fig. 380-A Center Posts

## GRAB RAIL POSTS—Figs. 380 & 380-A

Cast Bronze — Hollow — Chromium Plated

No.	Each	Diameter Hole Inches	Height Overall Inches	Diameter Base Inches	Weight Ounces
1	\$7.60	1	3-3/8	2-1/2	10



Fig. 1297 End Posts  
Fig. 1298 Center Posts

## GRAB RAIL POSTS—Figs. 1297 & 1298

Zamak Die Castings — Chromium Plated  
For 3/4 inch rod or tubing

Each	Height Overall Inches	Diameter Base Inches	Weight Ounces
\$1.30	1-3/4	1-5/8	2-3/4

Standard Package, 10 Pieces.



Center

Fig. 215 End Posts  
Fig. 215-A Center Posts



End

## GRAB RAIL POSTS—Figs. 215 & 215-A

Cast Bronze — Chromium Plated

Each	For Diam. Rail Inches	Height Overall Inches	Size of Base Inches	Weight Ounces
\$6.00	1	1-3/4	3-1/2x5/8	5

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### GRAB RAILS—Fig. 936

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

No.	Each	Length Overall Inches	Height Under Tubing Inches	Weight Pounds
1	\$15.50	12	1-1/4	1
2	17.00	18	1-1/4	1-3/8
3	18.50	24	1-1/4	1-3/4
4	21.50	36	1-1/4	2-1/2

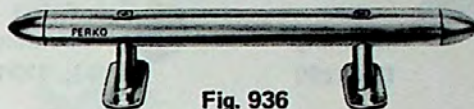


Fig. 936

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### GRAB RAILS—Fig. 379

Cast Bronze Posts - Brass Tubing - Chromium Plated

No.	Each	Length Between Posts Inches	Diameter Tubing Inches	Diameter Base Inches
1	\$19.50	12	1	2-1/2
2	21.00	18	1	2-1/2

Longer Lengths, Add \$3.60 for Each Foot or Fraction Thereof.

NOTE - Lengths longer than these listed above are made to order only and are not returnable. Not supplied in lengths longer than 6 feet.

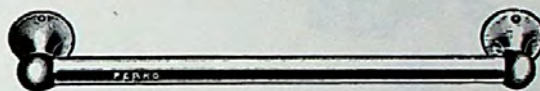


Fig. 379

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### STAINLESS STEEL TUBING—Fig. 916

For Bow, Hand and Grab Rails - 18-8 Non Magnetic - Polished - 7/8" O.D. - .049 Wall

No.	Each	Length Feet	Weight Pounds
1	\$11.85	4	1-1/2
2	23.60	8	3
3	35.50	12	4-1/2



Fig. 916

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### BRASS-CHROMIUM PLATED TUBING—Fig. 498

No.	*Each	Outside Diameter Inches	Length Feet	B & S Gauge
1	\$12.00	5/8	6	22
2	14.50	3/4	6	20
3	17.00	1	6	20

\*Applies to 6 foot lengths only.

Not supplied in lengths longer than 6 feet. Large O.E.M. quantities, price on application.



Fig. 498

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### ANODIZED ALUMINUM TUBING—Fig. 497

For Grab Rails - Polished - 3/4" Outside Diameter

Length Feet	Each	Weight Ounces
6	\$5.00	10



Fig. 497



Side  
Mounting  
Fig. 1290



Offset  
Mounting  
Fig. 1291



Port Side  
Fig. 82

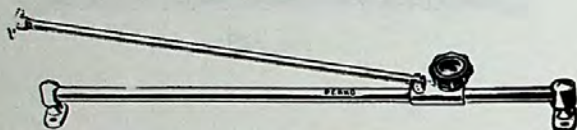


Fig. 360

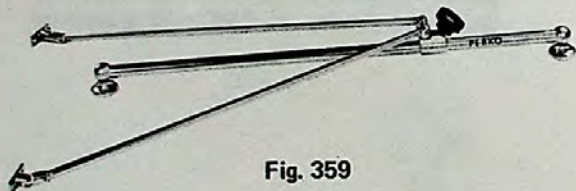


Fig. 359

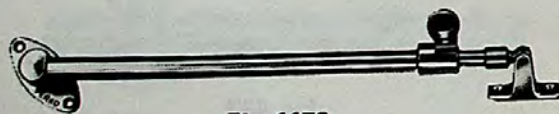


Fig. 1179



Fig. 1180

## WINDSHIELD ADJUSTERS—Figs. 1290 & 1291

Zamak Die Castings — Chromium Plated

Per Pair	Spare Knobs Each	Length Overall Inches	Length Adjustment Inches	Diam. Knob Inches	Weight Per Pair Pounds
\$10.25	\$1.00	12	9-1/2	1-3/4	1-1/2

NOTE — When ordering 1/2 pair, specify whether for port or starboard side. Illustration is port side.

## 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	\$19.50	\$21.50	9	7	1-3/4
3	25.85	28.15	12	9-1/2	2-3/8

NOTE — When ordering 1/2 pair, specify whether for port or starboard side.

## "SKIPPER" WINDSHIELD ADJUSTER—Fig. 360

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
\$20.50	27-1/2	23	22-1/2	3-3/4

Special sizes to order, in manufacturing quantities only.

## DOUBLE ARM WINDSHIELD ADJUSTER—Fig. 359

Brass — Chromium Plated — For Heavy Windshields

The arms are double jointed at both ends for attachment and smooth operation of windshield at any practical angle. The large knob is used for pushing, pulling or tightening with one hand.

Each	Length Base Overall Inches	Length Windshield Arm Inches	Length of Adjustment Inches	For Screw No.	Weight Pounds
\$35.25	28	24-1/2	24	8	3-3/4

## WINDSHIELD ADJUSTERS—Fig. 1179

Heavy Pattern — Chromium Plated

Illustration shows swivel base on left side and swinging base on right.

No.	Each	Length Closed Inches	Length Open Inches	Diam. Outside Tube Inches	Weight Ounces
1	\$10.25	10	18	1/2	9
2	10.85	12	20	1/2	11

Standard Package — 10 Pieces.

## 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
\$10.50	12	21	1/2	10

Standard Package — 10 Pieces.



### WINDSHIELD ADJUSTERS—Fig. 1116

Chromium Plated

No.	Each	Length Inches	Diam. Rod Inches	Weight Ounces
1	\$7.35	8	3/8	11
2	7.65	10	3/8	12
3	8.00	12	3/8	13



Fig. 1116

### WINDSHIELD KEEPER OR HATCH FASTENER—Fig. 967

Cast Bronze — Chromium Plated

Per Set	Base Of Keeper Inches	Base of Plate Inches	Length Bolt Inches	Standard Package	Weight Ounces
\$7.85	1-9/16x1	1-7/8x7/8	1-1/4	10	6



Fig. 967

### WINDSHIELD KEEPER OR HATCH FASTENER—Fig. 697

Chromium Plated

Per Set	Base of Keeper Inches	Base of Plate Inches	Standard Package	Weight Ounces
\$4.00	1-1/2x5/8	1-1/2x3/4	10	3



Fig. 697

A set consists of parts illustrated.

### HATCH FASTENERS OR WINDSHIELD KEEPER—Fig. 155

Brass — Chromium Plated — With Phosphor Bronze Internal Spring

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	Standard Package	Weight Ounces
\$8.50	3-7/8	1-1/2x9/16	10	3-1/4



Fig. 155

### HATCH FASTENER OR WINDSHIELD KEEPER—Fig. 769

Chromium Plated

Each	Dimensions For Each Base Inches	Standard Package	Weight Ounces
\$6.00	1-1/2x5/8	10	4-1/2

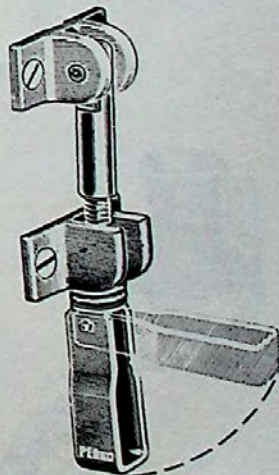


Fig. 769

### 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	Standard Package	Weight Ounces
\$ .60	2-5/8	10-32	3/8	10	1



Fig. 1247

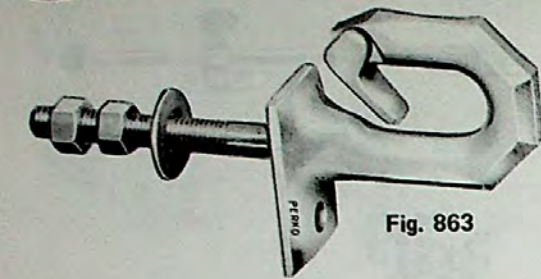
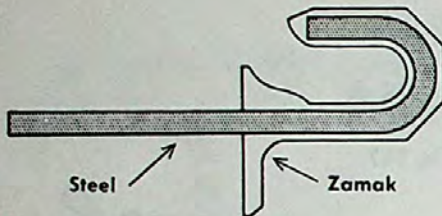


Fig. 863



Steel

Zamak

### 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
\$3.50	6	5/16	3-1/4	2-1/2	10

Standard Package, 6 Pieces.



Available in Skin Pack. See Skin Pack Section.



Fig. 861

### WATER SKI TOWING HOOK—Fig. 861

Cast Bronze — Chromium Plated

Link prevents tow line from jumping out. This unit also serves as a chock or hook for dock line.

Each	Length Overall Inches	Width Inches	For Screw No.	Weight Pounds
\$7.50	3-1/4	1-3/4	12	1/2

Standard Package, 6 Pieces.



Bow

Fig. 218



Stern

Fig. 219

### FLUSH TYPE FLAG POLE SOCKETS—Figs. 218 & 219

Cast Bronze — Chromium Plated

No.	Inside Diam. Inches	Fig. 218 Each	Fig. 219 Each	Diam. Flange Inches	Depth Socket Inches	Weight Ounces
1	3/4	\$3.25	\$3.70	2	1-1/2	4-1/2
2	1	4.30	5.00	2-3/8	1-3/4	5
3	1-1/4	5.00	5.60	2-5/8	2	9
4	1-1/2		7.70	3-1/8	2-3/8	15

Standard Package, 5 Pieces.



Bow

Fig. 220



Stern

Fig. 221

### UPRIGHT TYPE FLAG POLE SOCKETS—Figs. 220 & 221

Cast Bronze — Chromium Plated

No.	Inside Diam. Inches	Fig. 220 Each	Fig. 221 Each	Diam. Base Inches	Height Inches	Weight Ounces
1	3/4	\$5.00	\$5.15	2-1/8	1-3/4	5-1/4
2	1	6.30	6.45	2-1/2	2	6-3/4
3	1-1/4	7.35	7.50	2-3/4	2-1/8	10-3/4

Standard Package, 5 Pieces.



Fig. 343 Stern

### 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
\$1.70	3/4	3x2-1/8	2	4-1/2

Standard Package, 5 Pieces.

BUY STANDARD PACKAGES



### TILLER ROPE GUIDES—Fig. 1256

Zamak Die Casting — Chromium Plated

Each	Size Hole Inches	Size Base Inches	For Screw No.	Weight Ounces	Standard Package
\$ .40	5/16	1-1/4x3/4	6	1/2	25



Fig. 1256

### TILLER ROPE GUIDES—Fig. 1261

Zamak Die Casting — Chromium Plated

Each	Size Hole Inches	Size Base Inches	For Screw No.	Weight Ounces	Standard Package
\$ .40	5/16	1-1/4x3/4	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	Standard Package
\$1.30	1/4	2 x 3/4	1-3/4	10

Drilled for No. 8 screw



Fig. 1243

### SHEAVES—Fig. 154

White Nylon — Common Bushed

No.	Each	Diam. Inches	Thickness Inches	For Rope Inches	For Size Pin Inches
20	\$.20	7/8	3/8	1/4	3/16
27	.30	1-3/4	3/8	1/4	1/4
28	.35	2-5/16	3/8	1/4	1/4



Fig. 154

### RINGS—Fig. 417

Polished Brass

No.	Inside Diam. Inches	Thickness Inches	Per Dozen	No.	Inside Diam. Inches	Thickness Inches	Per Dozen
1	1/2	1/8	\$1.68	4	1-1/4	3/16	\$4.68
2	3/4	1/8	2.40	5	1-1/2	7/32	5.52
3	1	3/16	3.96	6	1-3/4	1/4	6.60
				7	2	1/4	9.12



Fig. 417

### 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	\$2.05	5/16x1-1/2	2-1/8x2-1/8x1/4	12	33
2	2.55	3/8 x2	2-1/8x2-1/8x1/4	12	50



Fig. 607

### RINGS WITH STRAPS—Fig. 1020

Cast Bronze

Plain Bronze Each	Chromium Plated Each	Size Strap Inches	For Screw No.	Weight Ounces
\$1.90	\$4.00	4-1/8x3/4	8	4-1/2



Fig. 1020



Fig. 857

## VINYL COVERED TILLER ROPE—Fig. 857

7x8 Aircraft Cable — Very Flexible

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

Outside Diameter Inches	Per 100 Feet	Core Diameter Inches	Breaking Strength Pounds	Weight Per 100 ft. Pounds
3/16	\$15.00	3/32	1000	3

Supplied only in 250 foot reels.



## TILLER ROPE CLAMPS—Fig. 1226

Zamak Die Castings — Brass, Chromium Plated Phillips Head Screws



Fig. 1226

For Rope Diam. Inches	Natural Finish Each	Chromium Plated Each	Length Inches	Width Inches	Weight Ounces
1/8 & 3/16	\$.34	\$.48	1-1/4	11/16	1

Standard Package, 50 Pieces.

Available in Skin Pack. See Skin Pack Section.



## TILLER ROPE CLAMPS—Fig. 358

Pressure Cast Silicon Bronze With Brass, Chromium Plated Phillips Head Screws. Smaller and Stronger.



Fig. 358

For Rope Diameter Inches	Natural Finish Each	Chromium Plated Each	Length Inches	Width Inches	Weight Ounces
1/8 & 3/16	\$.70	\$.82	1-1/4	11/16	1

Standard Package, 20 Pieces.



## STAINLESS STEEL TILLER ROPE TIGHTENERS—Fig. 732-SS

18-8 S.S. — Max. Pull 100 Pounds



Fig. 732-SS

Each	Normal Length Inches	Length Compressed Inches	Outside Diameter Inches	Weight Ounces
\$1.05	4	5	1	2-1/4

Standard Package, 10 Pieces.

Available in Skin Pack. See Skin Pack Section.



## STEEL TILLER ROPE TIGHTENERS Cadmium Plated — Maximum Pull, 100 Pounds



Fig. 732-C

Fig.	Each	Normal Length Inches	Length Compressed Inches	Outside Diameter Inches	Weight Ounces
732-C	\$.46	4	5	1	3-1/2
754	.37	4-3/4	6-1/2	7/8	3

Standard Package, 25 Pieces.

Fig. 732-C Available in Skin Pack. See Skin Pack Section.



Fig. 754

BUY STANDARD PACKAGES





### EYE STRAPS—Fig. 562

18-8 Stainless Steel

Each	Length Inches	Size Eye Inches	For Screw No.	Weight Ounces	Standard Package
\$ .12	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	Standard Package
\$ .22	1-7/8	5/16	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	\$ .70	\$1.35	1-7/8	1/4	1/4	8	1/2
1	1.05	1.90	2-1/4	5/16	9/32	10	3/4
2	1.15	2.20	2-3/4	1/2	5/16	10	1-1/2



Fig. 881

Standard Package, Nos. 0 and 1, 50 pcs. No. 2, 25 pcs.

### DECK STRAPS—Fig. 882

Cast Bronze

No.	Plain Bronze Each	Chromium Plated Each	Length Inches	Size Eye Inches	Stock in Eye Inches	Wt. Ozs.
1	\$1.40	\$3.15	3-1/2	1/2	5/16	2-1/2
2	1.40	3.15	4-1/4	9/16	3/8	2-1/2

Standard Package, No. 1, 25 pcs. No. 2, 10 pcs.



Fig. 882

### FLANGE EYES—Fig. 877

Cast Bronze

No.	Plain Bronze Each	Polished Chromium Plated Each	Size Opening Inches	Size Base Inches	Weight Ounces
1	\$ .65	\$2.55	5/8	2-1/8x 15/16	1
2	1.25	3.25	3/4	2-1/4x1-3/16	2



Fig. 877

### DECK BLOCKS—Fig. 87

Open Pattern — Galvanized Cast Iron — Single

No.	Each	For Diam. Rope Inches	Size of Sheave Inches	Weight Pounds
0	\$ .85	5/16	1-3/8x7/16	3/16
1	.90	3/8	1-1/2x1/2	3/8
3	1.55	1/2	2 x5/8	13/16



Fig. 87

### DECK BLOCKS—Fig. 88

Open Pattern — Galvanized Cast Iron — Double

No.	Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
2	\$1.60	3/8	1-1/2x1/2	1
4	3.30	1/2	2 x5/8	1-1/2



Fig. 88



Figs. 564 &amp; 565

## TILLER ROPE PULLEYS

SWIVEL TYPE WITH WHITE NYLON SHEAVE – FOR  
TILLER ROPE UP TO 1/4 INCH DIAMETER

STAINLESS STEEL USED IN THESE PULLEYS IS TYPE NO. 304  
NON-MAGNETIC 18-8.

### IMPROVED SWIVEL EYE PULLEYS – Figs. 564 & 565

All 18-8 Stainless Steel except the sheave which is white nylon.

The Eye, Rivet and Pin have been greatly strengthened.

Fig.	Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Standard Package	Weight Ounces
564	\$1.30	3	1-3/4	1-5/8	25	1-1/2
565	1.45	3-3/4	2-5/16	1-5/8	25	2

Without strap, deduct \$.10 each.

Available in Skin Pack. See Skin Pack Section



### SWIVEL EYE PULLEY—Figs. 1241 & 1277

Zamak Body, Eye and Strap – Chromium Plated

Fig.	Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Standard Package	Weight Ounces
1241	\$1.30	3-1/4	1-3/4	1-7/8	25	3
1277	1.65	4	2-5/16	1-7/8	25	3-1/2

Without strap, deduct \$.18 each.



Figs. 1241 &amp; 1277



Figs. 611 &amp; 634

### IMPROVED SNAP HOOK PULLEYS—Figs. 611 & 634

All 18-8 Stainless Steel except the sheave which is white nylon.

The Hook, Spring, Rivet and Pin are much stronger.

The Hook is 1/4" Diameter Stainless Steel.

Fig.	Complete Each	Length Overall Inches	Snap Throat Opening Inches	Diam. Sheave Overall Inches	Standard Package	Wt. Ozs.
611	\$1.90	3-7/8	1/2	1-3/4	25	2-1/4
634	2.05	4-5/8	1/2	2-5/16	25	2-1/2

Available in Skin Pack, See Skin Pack Section.



### SNAP HOOK PULLEYS—Figs. 1288 & 1296

Zamak Body and Improved Snap – Chromium Plated

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

Fig.	Complete Each	Length Overall Inches	Snap Throat Opening Inches	Diam. Sheave Overall Inches	Standard Package	Wt. Ozs.
1288	\$2.10	4-1/8	1/2	1-3/4	25	3-1/2
1296	2.35	5	1/2	2-5/16	25	4



Figs. 1288 &amp; 1296



Fig. 1255

### 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	Standard Package	Weight Ounces
1	\$1.50	1-3/4	1/4	3-1/2x1-5/16	25	2
2	1.75	2-3/8	1/4	4-7/8x1-1/4	10	2-1/2



Fig. 95

### CHEEK BLOCKS—Fig. 95

Galvanized Cast Iron – Single

Size No.	Each	For Diam. Rope Inches	Size Sheave Inches	Standard Package	Weight Pounds
0	\$1.25	1/4	1-1/8x3/8	10	3/16
1	1.32	5/16	1-3/8x7/16	10	1/4
2	1.50	3/8	1-1/2x1/2		3/8
3	2.15	1/2	2 x5/8		3/4



**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	Standard Package	Weight Pounds Each
1	\$ .52	\$1.03	3/16	3/4x5/16	10	3/32
3	.84	1.33	1/4	1 x3/8	10	3/16
5	.94	2.40	5/16	1-3/8x7/16	10	1/4
7	1.13	2.76	3/8	1-1/2x1/2	10	3/8
9	1.52		7/16	1-3/4x9/16		1/2
11	2.15		1/2	2 x5/8		5/8
13	3.63		5/8	2-1/2x3/4		1-7/16
15	5.34		3/4	3 x7/8		1-5/8



Fig 43

**FAST EYE BLOCKS—Fig. 51**

Galvanized Malleable Iron — Double

Size No.	Each	For Diam. Rope Inches	Size Sheaves Inches	Standard Package	Weight Pounds Each
2	\$1.00	3/16	3/4x5/16	10	3/16
4	1.15	1/4	1 x3/8	10	1/4
6	1.65	5/16	1-3/8x7/16	10	3/8
8	2.00	3/8	1-1/2x1/2	10	5/8



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	Diameter Sheave Inches	Standard Package	Weight Per Doz. in Lbs.
0	\$ .60	\$2.58	3/16	1/2	10	1/2
1	.68	2.68	3/16	3/4	10	1-1/4
3	.87	3.45	1/4	1	10	2
5	1.20	4.25	5/16	1-3/8	10	2-7/8
7	1.50	4.88	3/8	1-1/2	10	4-7/8



Fig. 100

**SWIVEL EYE BLOCKS—Fig. 101**

Galvanized Malleable Iron — Double

Size No.	Each	For Diam. Rope Inches	Diameter Sheave Inches	Standard Package	Weight Per Doz. in Lbs.
00	\$1.00	3/16	1/2	10	1-1/16
2	1.18	3/16	3/4	10	2-1/4
4	1.45	1/4	1	10	3-3/8
6	2.12	5/16	1-3/8	10	4-1/2
8	2.91	3/8	1-1/2	10	7



Fig. 101

**WIRE ROPE PULLEYS—Figs. 194, 279 and 280**

Galvanized Malleable Iron

**Fig. 194 Single**

Size No.	Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
1	\$3.96	3/16	2-1/2x3/8	1/2
2	4.67	1/4	3-1/4x1/2	1-1/4
3	7.00	5/16-3/8	4-1/2x5/8	2-1/2



Fig. 194

Side Pattern Single

**Fig. 279 Single**

Size No.	Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
10	\$3.96	3/16	2-1/2x3/8	5/8
20	4.67	1/4	3-1/4x1/2	1-1/2
30	7.00	5/16-3/8	4-1/2x9/16	2-1/2



Fig. 279

Upright Pattern Single

**Fig. 280 Double — Upright Pattern Only**

Size No.	Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
110	\$ 5.60	3/16	2-1/2x3/8	1-1/8
120	6.40	1/4	3-1/4x1/2	2
130	10.45	5/16-3/8	4-1/2x5/8	4-3/4



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.	Standard Package	Weight Ounces
\$ .26	15/16	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 1-3/4 inches wide.

Per Pair	Length Overall Inches	Size Opening Inches	Width Overall Inches	For Screw No.	Weight Per Pair Ounces
\$1.05	3-1/4	1-7/8x7/16	5/8	8	2

Standard Package, 10 Pairs.

Available in Skin Pack. See Skin Pack Section.



Hinge No. 1



Eye End No. 4



Socket Nos. 2 and 3



Slide Nos. 5 and 6



Brace Fitting No. 7

**IMPROVED CONVERTIBLE TOP FITTINGS—Fig. 395**

Zamak Die Castings — Chromium Plated

Improvements include more modern design, heavier sections and much better finish.

No.	Each	Item
1	\$1.20	Deck Hinge or Bracket
2	1.10	Socket for 3/8 inch pipe
3	1.10	Socket for 3/4 inch tubing
4	.90	Eye End for 3/4 inch tubing
5	1.60	Slide for 3/8 inch pipe
6	1.60	Slide for 3/4 inch tubing
7	.95	Deck Socket for Brace
8	.95	Side Mounting Plate

Standard Package 10 pieces.

Average Weight — 2 ounces each.

No. 8 tapped for 1/4 - 20 screw.

NOTE — We have retooled for these fittings. Interesting prices on application to large quantity users or buyers. State quantity per order and delivery requirements.

Side Plate No. 8



Fig. 395



Flanged Stud  
Single Fig. 994  
Double Fig. 995



Screw Stud  
Single Fig. 991

**ALL BRASS CURTAIN FASTENERS**

Nickel Plated

Stud Fig. 991, 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	\$41.50
994	31.00
995	34.15
996	6.85
997	3.40

Standard Package 100 Pieces.



Eyelet  
Fig. 996



Washer  
Fig. 997



### 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	\$ 4.05
898	3.40
900	11.00
901	2.10
906	7.60
907	2.10
917	8.95

Standard Package, 100 Pieces.



### "LIFT TYPE" ALL BRASS FASTENERS

Nickel Plated

Stud Figs. 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.

Fig.	Per 100
60	\$ 8.65
61	26.75
62	2.65
90	9.50
114	12.50
115	13.65
116	12.50
117	13.65
118	3.15
156	15.75

Note - Price of Fig. 156 does not include machine screw, just the tapped stud only.

Standard Package, 100 Pieces.



### HAND SCREW DRIVER—Fig. 290

For "Lift Type" Studs - Steel With Wood Handle

Each ..... \$7.50



### HAND PUNCH—Fig. 285

For "Lift Type" Fasteners - Cast Iron With Steel Cutters

Each ..... \$13.00



### HAND SET TOOL—Fig. 905

For "Durable Type" Buttons and Eyelets - Steel

Each ..... \$4.75



Button  
Fig. 896



Eyelet  
Fig. 907



STUD  
For Canvas  
Fig. 901



Socket  
Fig. 898



STUD  
With Wood Screw  
Fig. 900



STUD  
With Tapping Screw  
Fig. 906



STUD  
With Machine Screw  
Fig. 917



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. 290

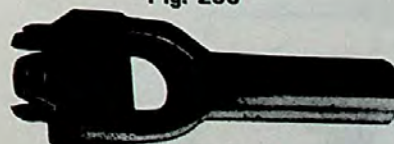


Fig. 285

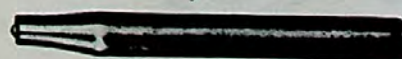


Fig. 905



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	Standard Package	Weight Per 100 Pounds
0	\$ .77	\$1.05	3/8	2-1/16	24	6-1/4
1	.99	1.25	5/8	2-7/8	24	12
2	1.15	1.55	3/4	3	24	13-1/2
3	1.30	2.20	3/4	3-7/8	12	24
4	1.75		7/8	4-1/2	12	40
5	2.20		1-1/8	5	12	50
6	2.75		1-1/8	5-1/4	12	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	Standard Package	Weight Per 100 Pounds
1	\$1.32	\$2.10	9/16	3-1/4	24	12-1/2
2	1.60	2.55	11/16	3-5/8	24	16
3	2.10	3.50	3/4	4-5/8	12	30
4	2.50		13/16	4-7/8	12	42
5	3.10		1-1/16	5-3/4	12	61



Fig. 1289

**SWIVEL EYE SNAP—Fig. 1289**

Zamak Die Castings — Chromium Plated — Stainless Steel Spring

Has an interlocking device on tongue and hook, adding considerable strength.

Each	Inside Diam. Eye Inches	Extreme Length Inches	Standard Package	Weight Per 100 Pounds
\$1.20	5/8	3	25	12-1/2

Available in Skin Pack, See Skin Pack Section.



Fig. 659

**SWIVEL EYE SNAP—Fig. 659**

Cast Bronze

Each	Extreme Length Inches	Inside Eye Inches	Inside Hook Inches	Standard Package	Weight Ounces
\$.70	3-1/2	3/4	7/16	25	2-1/2



Fig. 1041



Fig. 842

**FAST EYE BABY SNAPS—Figs. 842 & 1041**

Cast Brass

Fig.	Each	Size of Eye Inches	Length Inches	Standard Package	Weight Ounces
842	\$.40	3/8	1-7/8	50	1/2
1041	.39	5/8x3/16	1-5/8	50	1/2



Fig. 1042

**SWIVEL EYE BABY SNAPS—Fig. 1042**

Cast Brass

Each	Length Inches	Diam. of Eye Inches	Standard Package	Weight Ounces
\$.49	2-5/8	3/8	50	1/2



Fig. 606

**SAFETY MOORING HOOKS—Fig. 606**

Galvanized Drop Forged Steel — Stainless Steel Spring

These hooks, although light in design, have exceptional strength.

No.	Each	I.D. of Eye Inches	Length Overall Inches	Throat Opening Inches	Standard Package	Weight Per 100 in Lbs.
1	\$1.15	3/4	4	3/4	10	25
1-1/2	1.60	1-1/8	4-3/4	3/4	10	32
2	4.50	1	5-3/8	13/16	5	100



No.1 Available in Skin Pack, See Skin Pack Section.



### WIRE ROPE CLIPS—Fig. 333

Malleable Iron Saddle — Steel U-Bolt And Nuts

No.	Size Wire Rope Inches	Cadmium Plated Per 100	Est. Wt. Per 100 in Lbs.	No.	Size Wire Rope Inches	Cadmium Plated Per 100	Est. Wt. Per 100 in Lbs.
1	1/8	\$22.00	4-1/4	5	3/8	\$36.00	24
2	3/16	22.00	7	6	1/2	47.00	37
3	1/4	24.00	14-1/2	7	5/8	61.50	59
4	5/16	27.50	16				



Fig. 333

### AXE BRACKETS—Fig. 325

18-8 Stainless Steel — Polished

A set consists of one blade socket and one handle bracket as illustrated.

Complete Per Set	Blade Sockets Only Each	Handle Brackets Only Each	For Blade Width Inches	Weight Per Set Ounces
\$2.40	\$1.80	\$.70	6	4-1/2



Fig. 325

Standard Package, 10 Sets.

### "S" HOOKS—Fig. 680

Galvanized Wrought Steel

No.	Nominal Size Inches	Each	Length Overall Inches	Weight Per 100 Pounds
1	3/16	\$.15	1-1/2	2-3/4
2	1/4	.20	2	7
3	5/16	.25	2-1/2	14-1/2
4	3/8	.30	3	18-3/4

Standard Package 50 pieces.



Fig. 680

### 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	5/16	1/8
2	1/4 -20	.13	.58	.75	7/16	1/4
3	5/16-18	.45			5/8	5/8
5	3/8 -16	.60			5/8	1
7	1/2 -13	1.00			3/4	2
8	1/2 -13	1.20	1.50	1.70	1	2-1/2
9	5/8 -11	1.90	2.40	2.60	1-1/4	5



Fig. 465

### BRASS WING NUTS—Fig. 453

U. S. S. Thread

No.	For Diam. Bolt Inches	Threads Per Inch	Plain Brass Each	No.	For Diam. Bolt Inches	Threads Per Inch	Plain Brass Each
1	3/16	24	\$.18	4	3/8	16	\$.36
2	1/4	20	.18	5	1/2	13	1.20
3	5/16	18	.24				



Fig. 453

### ASSORTED BRASS PINS — Fig. 1176

Flat Head

No.	Each	Diam. Pin Inches	Length Under Head Inches	Diam. Head Inches
1	\$.46	3/16	5/8	1/4
2	.46	3/16	3/4	1/4
4	.55	3/16	1	1/4
5	.55	1/4	5/8	5/16
6	.58	1/4	3/4	5/16
7	.61	1/4	7/8	5/16
8	.67	1/4	1-1/16	5/16
10	.67	1/4	1-1/4	5/16
11	.67	5/16	7/8	3/8
15	.69	5/16	1-1/4	3/8
16	.69	5/16	1-1/2	3/8
18	.92	3/8	15/16	7/16
27	1.38	1/2	1-1/4	5/8

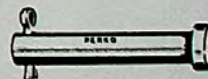


Fig. 1176

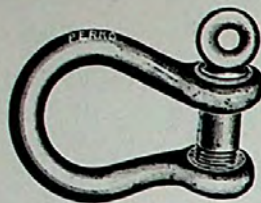


Fig. 314

**ANCHOR SHACKLES – Fig. 314**  
Galvanized Drop Forged Steel Or Bronze – Screw Pin Type

No.	Size Inches	Galvanized Each	Bronze Each	Approx. Weight Per 100 in Pounds
1	3/16	\$ .78	\$2.00	7
2	1/4	.93	2.75	11
3	5/16	1.00	3.40	20
4	3/8	1.15	4.35	31
5	7/16	1.45		47
6	1/2	1.73		68
7	5/8	2.80		137
8	3/4	3.85		220
9	7/8	4.95		320
10	1	7.15		500



**WIRE ROPE THIMBLES—Fig. 466**  
Galvanized Steel, Brass Or Stainless Steel



Fig. 466

No.	For Size Rope Inches	Galv. Each	Brass Each	Stainless Steel Each	Galv. Wt. Per 100 in Lbs.
1	1/8	\$ .16	\$ .27	\$ .27	2-5/8
2	3/16	.16	.28	.27	2-5/8
3	1/4	.16	.35	.33	4-3/8
4	5/16	.20	.46	.46	5-1/2
5	3/8	.20	.88	.77	10-5/8
6	1/2	.26	1.20	1.10	15-1/2
7	5/8	.61			27-1/2
8	3/4	.82			40
9	7/8	1.20			55
10	1	1.30			79

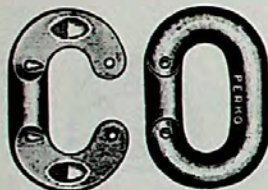


Fig. 319

**CONNECTING OR MISSING LINKS—Fig. 319**  
Drop Forged Steel – With Interlocking Lugs

No.	Size Inches	Galv. Each	Overall Dimensions Inches	Weight Per 100 Pounds
1	3/16	\$ .59	1-3/16x 3/4	3-3/4
2	1/4	.61	1-1/2 x1	7-1/2
3	5/16	.66	1-3/4 x1-3/16	10-3/4
4	3/8	.73	2-1/8 x1-3/8	18-3/4



**NAVY TYPE ANCHORS—Fig. 45**  
Drop Forged Shank – Galvanized



Fig. 45

Weight Pounds	Each	Weight Pounds	Each
5	\$ 7.00	20	\$18.75
10	11.00	25	25.50
15	14.75	30	29.25



**ANCHOR CHOCKS—Fig. 933**  
For "Danforth" Type Anchors – Cast Bronze

Consists of four parts illustrated. Head of shank is held fast by slotted casting and thumb screw.

	No. 1		No. 2	
	Plain Bronze	Plain Chromium Plated	Plain Bronze	Plain Chromium Plated
Complete, per set	\$9.90	\$11.00	\$11.50	\$12.35
Shank support only, ea.	4.00	4.50	5.00	5.25
Fluke supports only, pair	3.00	3.50	3.50	3.90
Crown support only, ea.	3.00	3.50	3.50	3.90

Standard Package, 5 Sets. Weight per set, 2 pounds.

No. 2 size for anchors 30 lbs. and larger.

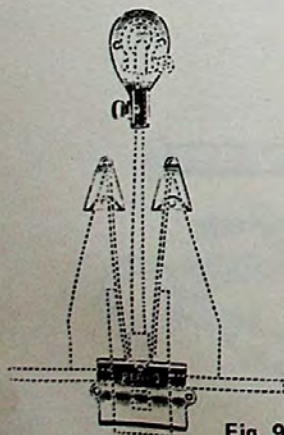


Fig. 933





**OPEN TURNBUCKLES— Figs. 390 & 394**  
**Drop Forged Steel — Hot Galvanized**

All turnbuckles have right and left hand threads.

No.	Diameter and Take-Up Inches	Fig. 390 Each	Fig. 394 Each	Overall Length Closed Inches	Approx. Weight Pounds
1	1/4 x4	\$2.20	\$3.00	7-1/2	3/8
2	5/16x4-1/2	2.45	3.25	8-1/2	1/2
3	3/8 x6	3.10	4.20	11	1
4	1/2 x6	4.00	4.70	12	1-3/4

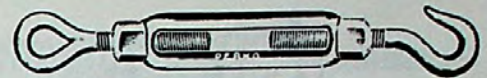


Fig. 390 HOOK AND EYE



Fig. 394 JAW AND JAW

**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	\$1.20	1/8	3	3/4	3
2	1.25	5/32	4	1-1/8	6-1/4
3	1.75	3/16	5	1-1/2	11-1/2
4	2.10	1/4	5-3/4	1-7/8	15
5	2.75	5/16	6-7/8	2-1/4	24-1/2

Standard Package 10 Pieces.



Fig. 396

**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	\$4.20	1/4	5-3/4	1-7/8	1/4	19
5	5.20	5/16	6-7/8	2-1/4	1/4	28

Standard Package, 10 Pieces.



Fig. 398

**BRONZE RIGGING TURNBUCKLES—Fig. 459**  
**S.A.E. Threads**

No.	Size Inches	Each	Jaw Opening Inches	Diam. Pin Inches	Weight Each Pounds
1	1/4	\$ 6.25	1/4	1/4	3/8
2	5/16	8.25	5/16	5/16	1/2
3	3/8	9.00	3/8	3/8	3/4
4	1/2	19.00	1/2	1/2	1-1/2

Check nuts are not included or available.



Fig. 459

**LAP LINKS—Fig. 785**  
**Galvanized Wrought Steel**

No.	Size Inches	Each	Inside Dimensions of Link Inches	No.	Size Inches	Each	Inside Dimensions of Link Inches
1	3/16	\$.18	1 x1/2	4	3/8	\$.50	1-9/16x13/16
2	1/4	.22	1-1/2x1/2	5	1/2	.90	2 x1
3	5/16	.37	1-1/2x7/8				



Fig. 785



Fig. 500

## SCREW EYE BOLTS—Fig. 500

Without Shoulder — Galv. Drop Forged Steel — Large Eye

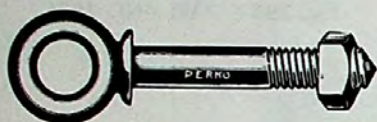
No.	Size Inches	Each	Inside Diam. Eye Inches	Galv. Weight Per 100 in Lbs.
1	1/4x2	\$ .65	1/2	6
2	5/16x2-1/4	.75	5/8	9
3	3/8x2-1/2	.80	3/4	16
4	1/2x3-1/4	1.20	1	35



## NUT EYE BOLTS—Fig. 523

Galv. Drop Forged Steel Or Bronze — Large Eye

Sizes are diameter and length of shank.



With Shoulder — Fig. 523

No.	Size Inches	Galv. Each	Plain Bronze Each	Inside Diam. Eye Inches	Galv. Weight Per 100 in Lbs.
1	1/4 x2	\$ .64	\$1.75	1/2	7
2	1/4 x4	.75	1.90	1/2	10
3	5/16x2-1/4	.80	2.25	5/8	13
4	5/16x4-1/4	.93	2.55	5/8	17
5	3/8 x2-1/2	.88	2.85	3/4	21
6	3/8 x4-1/2	1.05	3.25	3/4	27
7	1/2 x3-1/4	1.30		1	45
8	1/2 x6	1.70		1	65



## SWIVELS—Fig. 622

Drop Forged Steel



Fig. 622

No.	Size Inches	Galv. Each	Length Inches	Width Inside Inches	Weight Each in Lbs.
1	1/4	\$2.15	3-3/8	3/4	1/4
2	5/16	2.25	4-1/8	15/16	3/8
3	3/8	3.00	5-1/4	1-3/8	3/4
4	1/2	3.75	6-3/16	1-1/2	1-1/4



## SWIVEL WITH JAW END—Fig. 623

Drop Forged Steel



Fig. 623

No.	Size Inches	Galv. Each	Length Inches	Width Between Jaws Inches	Inside of Bail Inches	Weight Each in Lbs.
1	1/4	\$3.05	4	9/16	1-1/8 x 15/16	3/8
2	5/16	3.05	4-1/8	9/16	1-1/4 x 1	1/2
3	3/8	3.45	5	5/8	1-5/16x1-1/16	3/4
4	1/2	4.30	6	13/16	1-9/16x1-1/16	1-3/8



## SWIVELS—Fig. 624

Galvanized Malleable Iron Or Bronze



Fig. 624

No.	Galv. Each	Plain Bronze Each	Size Inches	I.D. Eye Inches	Inside Width Swivel Inches	Overall Length Inches	Weight Per 100 in Lbs.
0	\$ .41	\$1.05	3/16	1/4	1/4	1-5/8	2-3/4
1	.44	1.05	3/16	5/16	3/8	1-3/4	4
2	.59		1/4	3/8	7/16	2-1/8	7-1/2
3	.82		1/4	7/16	1/2	2-1/2	10
4	1.15		5/16	1/2	9/16	3-1/4	19-1/2
5	1.52		3/8	5/8	3/4	3-1/2	24-1/2



### PAINT SCRAPER SET—Fig. 1015

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—2-3/8x2-3/8 inches.

No. 2 Blade, Triangular—3x3 inches

No. 3 Blade, Oval—2-1/2x1-1/4 inches.

Length Handle—8-1/2 inches.

Weight Per Set, 9 Ounces

Per Set - \$6.50

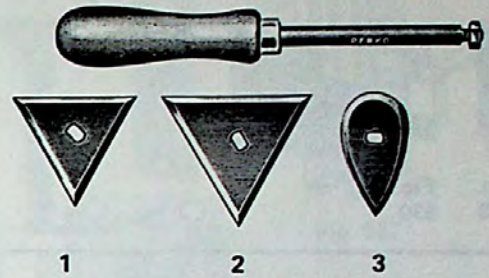


Fig. 1015

### DOUBLE END SCRAPERS—Fig. 1175

Fine Grade Tool Steel - Heat Treated

Each	Length Inches	Width Inches	Thick-ness Inches	Width Blade Inches	Weight Pounds
\$2.20	15	1	1/4	1-3/4	1



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	\$40.92	1/32	5	2	7-1/2
0	40.92	1/16	5-5/8	2-1/2	7-1/2
1	40.92	1/8	5-7/8	2-1/4	7-1/2



Fig. 307

Standard Package, 1 Dozen.

### SAIL MAKERS PALMS—Fig. 411

Hide Mounted - Right Hand Only

Per Dozen	Weight Per Dozen in Pounds
\$36.00	2



Fig. 411

Standard Package, 1 Dozen.

### MARLINE SPIKES—Fig. 921

Polished Steel - For Wire Rope

Length Inches	Each	Weight Pounds
10	\$ 7.00	1/2
12	7.25	5/8
14	8.80	1
16	10.25	2-1/4
18	12.25	2-1/4



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.	Each	Size Inches	Weight Per Dozen Pounds
0	\$2.10	12x1-3/4	5-1/4
1	2.40	14x1-3/4	5-1/4
2	2.80	16x2	6-3/4
3	3.25	18x2	6-3/4
4	5.00	20x2-1/4	12



Fig. 923

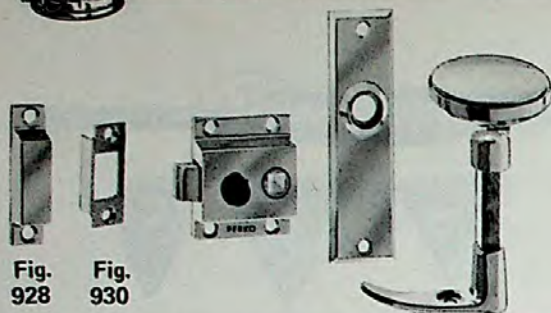


Fig. 928  
Fig. 930

## RIM LATCH SETS—Figs. 928 & 930

Zamak Die Casting — Chromium Plated

With round knob and lever handle, no keys. Locked by thumb bolt inside. For doors 3/4 to 1-1/2 inches.

Fig. 928—Regular Bevel With Box Strike.

Fig. 930—Reverse Bevel With Flush Strike.

Per Set	Size Case Inches	Size Escutcheon Inches	Diameter Knob Inches	Backset Inches	Weight Pounds
\$11.50	2-1/8x1-3/4	4-3/8x1-1/4	1-3/4	1-3/8	3/4

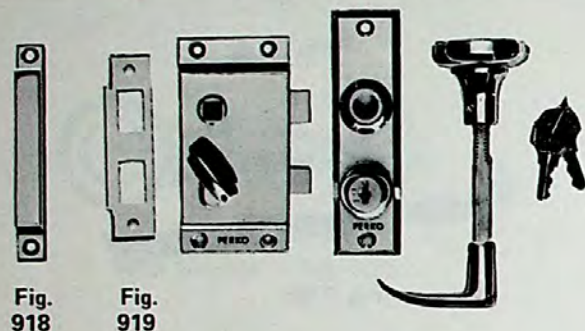


Fig. 918  
Fig. 919

## RIM LOCK SETS—Figs. 918 & 919

Zamak Die Casting — Chromium Plated

Five disc tumbler type with dead bolt for inside. With round knob and lever handle, two keys. For doors 3/4 to 1-1/2 inches.

Fig. 918—Regular Bevel With Box Strike.

Fig. 919—Reverse Bevel With Flush Strike.

Per Set	Size Case Inches	Size Escutcheon Inches	Diameter Knob Inches	Backset Inches	Weight Pounds
\$18.00	3-7/8x2	4-3/8x1-1/4	1-3/4	1-3/8	1-1/4

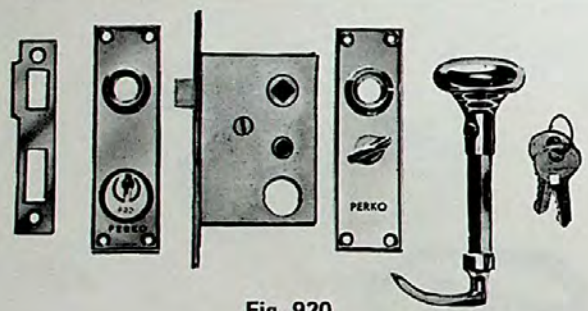


Fig. 920

## "PICK PROOF" MORTISE LOCK SET—Fig. 920

Cylinder Type — Pin Tumbler — All Cast Brass — Chromium Plated — Reversible — Two Keys

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
\$38.75	3x2-1/8	4-1/2x11/16	4x1-3/16	1-5/8	1-1/4

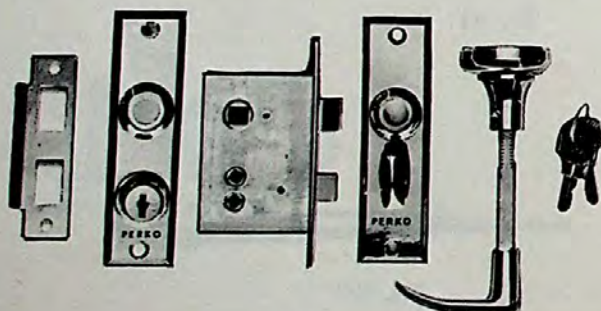


Fig. 927

## MORTISE LOCK SETS—Fig. 927

Zamak Die Casting — Chromium Plated — Reversible

Five disc tumbler type with dead bolt for inside. With round knob and lever handle, two keys. For door 1 to 1-1/2 inches thick. Backset 1-3/8 inches.

Per Set	Size Case Inches	Size Facing Inches	Size Escutcheon Inches	Diameter Knob Inches	Weight Pounds
\$16.00	2-3/4x2	4x13/16	4-3/8x1-1/4	1-3/4	1-1/4

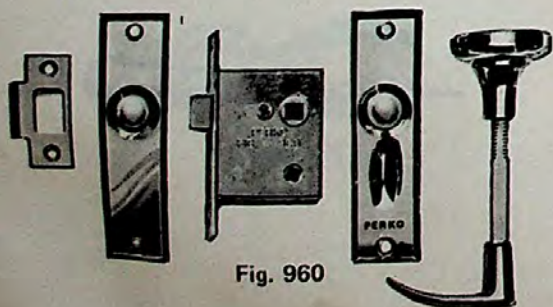


Fig. 960

## MORTISE LATCH SETS—Fig. 960

Zamak Die Castings — Chromium Plated — Reversible

Locked by dead bolt inside, no keys, with round knob and lever handle. For door 1 to 1-1/2 inches thick. Backset 1-3/8 inches.

Per Set	Size Case Inches	Size Facing Inches	Size Escutcheon Inches	Diameter Knob Inches	Weight Pounds
\$11.25	2-1/4x1-13/16	3-1/2x13/16	4-3/8x1-1/4	1-3/4	1



### TUBULAR LATCH SETS—Fig. 567

Brass — For Small Cabin Doors — With Screws — Polished Or Chromium Plated

Chromium Plated Each	For Thickness Doors Inches	Size Escutcheon Inches	Size Knob Inches	Back-set Inches
\$12.75	7/8 to 1-3/8	4x1-1/2	2-1/16	1-1/4

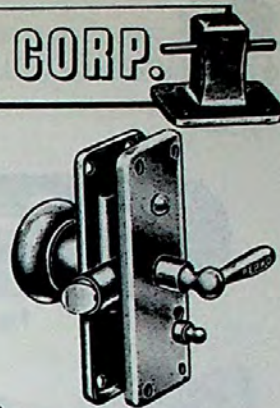


Fig. 567

### ONE-WAY NIGHT OR SAFETY LATCH—Fig. 948

Zamak Die Casting — Chromium Plated — With Sliding Safety Catch

Each	Dimensions Without Strike Inches	Weight Ounces
\$4.65	2-1/8x1-3/4	5

Standard Package, 10 Pieces.

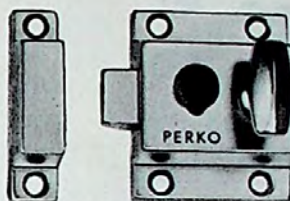


Fig. 948

### CUPBOARD TURNS—Fig. 949

Cast Brass

No.	Polished Brass Each	Chromium Plated Each	Dimensions Without Strike Inches	Weight Ounces
1	\$5.75	\$6.90	1-3/4x1-1/16	4
2	7.25	8.50	2-1/4x1-9/16	7

Standard Package, 10 Pieces.

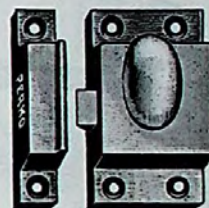


Fig. 949

### HEAVY DUTY CUPBOARD TURNS—Fig. 978

Zamak Die Casting — Chromium Plated  
High Quality in Design and Smooth Operation

Each	Dimensions Without Strike Inches	Weight Ounces
\$4.65	2-1/8x1-3/4	5

Standard Package, 10 Pieces.

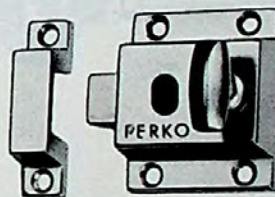


Fig. 978


### CUPBOARD CATCHES—Fig. 1102

Die Cast Zamak — Chromium Plated

Each	Dimensions Without Strike Inches	Weight Ounces
\$4.40	1-1/2x1-3/8	3

Standard Package, 10 Pieces.

Supplied complete with flush and 3/8 inch offset strike.

Available in Skin Pack. See Skin Pack Section. 

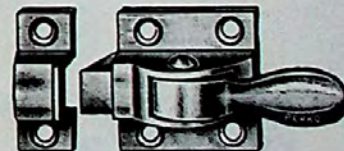


Fig. 1102

### CUPBOARD BOLT—Fig. 1101

Die Cast Zamak — Chromium Plated

Each	Dimensions Without Strike Inches	Weight Ounces
\$2.75	1-1/2x1-1/2	2

Standard Package, 10 Pieces.

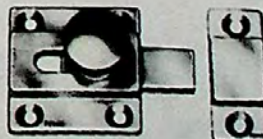


Fig. 1101


Available in Skin Pack. See Skin Pack Section. 



Fig. 947

### BARREL BOLTS—Fig. 947

Pressure Cast Silicon Bronze

No.	Polished Each	Chromium Plated Each	Length Rod Inches	Size Base Without Strike Inches	Weight Ounces
1	\$3.75	\$4.00	2-3/4	2-1/4x1-3/8	4
2	4.00	4.25	3	3 x1-1/4	4
3	4.50	4.80	4	4 x1-3/8	5

Standard Package, 5 Pieces.



Fig. 1053

### SHIP BOLTS—Fig. 1053

Pressure Cast Silicon Bronze

Burnished Each	Polished Each	Chromium Plated Each	Size Without Strike Inches	Weight Ounces
\$3.60	\$4.15	\$4.65	2-3/8x1-1/4	1-3/4

Standard Package, 5 Pieces.



Fig. 956

### CABIN DOOR HOOKS—Fig. 956

Pressure Cast Silicon Bronze

Lgth. Hook In.	Polished Bronze Each	Chromium Plated Each	Wt. Ozs.	Lgth. Hook In.	Polished Bronze Each	Chromium Plated Each	Wt. Ozs.
1-1/2	\$2.20	\$2.40	1	3-1/2	\$2.45	\$2.75	2-1/2
2	2.25	2.45	1-1/2	4	3.45	3.75	3
2-1/2	2.30	2.50	1-3/4	5	3.65	4.15	3-1/2
3	2.40	2.60	2	6	3.90	4.50	5

Standard Package, 10 Pieces.



Fig. 957

### CABIN DOOR HOOKS—Fig. 957

Double Jointed — Cast Brass

No.	Length Overall Inches	Polished Brass Each	Chromium Plated Each	Weight Ounces
1	2-1/2	\$5.00	\$6.10	2-1/2
2	3-1/2	5.90	7.15	3

Standard Package, 5 Pieces.



Fig. 1199

### CABIN DOOR HOOKS—Fig. 1199

Zamak Die Castings — Chromium Plated

No.	Length Hook Inches	Each	Weight Ounces
1	1-3/4	\$1.25	1-1/4
2	2-1/4	1.32	1-3/8
3	3	1.40	1-1/2
4	4	1.45	1-3/4

Standard Package, 20 Pieces.

Available in Skin Pack. See Skin Pack Section.

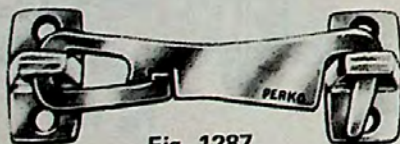


Fig. 1287

### MODERN DESIGN CABIN DOOR HOOKS—Fig. 1287

Patent Applied for #75,268

Zamak Die Castings — Chromium Plated

No.	Length Hook Inches	Each	Dimensions Eye Plate Inches	Weight Ounces
1	2	\$1.25	1-1/4x11/16	1-1/4
2	2-1/2	1.30	1-1/4x11/16	1-1/2
3	3	1.40	1-1/4x11/16	1-3/4

Standard Package, 20 Pieces.

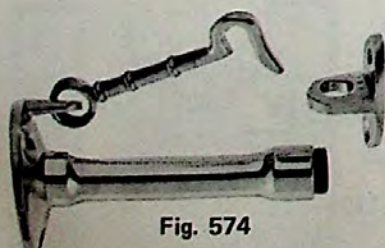


Fig. 574

### DOOR STOP AND HOLDER—Fig. 574

Pressure Cast Silicon Bronze

No.	Polished Each	Chromium Plated Each	Length Inches	Diameter Base Inches	Weight Ounces
1	\$8.60	\$9.20	2-3/8	1-3/4	4-1/2
2	8.85	9.45	3-1/4	1-3/4	5-1/2

Standard Package, 5 Pieces.

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### DOOR STOP—Fig. 1177

Rubber Bumper with Zamak Die Cast Holder — Chromium Plated

Each	Diameter Inches	Length Inches	Standard Package	Weight Ounces
\$1.25	1-1/4	1	10	1



Fig. 1177

### DOOR HOLDERS—Fig. 1065

Stainless Steel Clip — Chromium Plated Arrow

Per Set	Base of Arrow Inches	Base of Clip Inches	Projection Inches	Weight Ounces
\$3.00	1-5/8x3/4	1-3/8x7/16	1-3/4	2



Fig. 1065

Standard Package, 10 Sets.

### DOOR STOP AND HOLDER—Fig. 576

Stainless Steel No. 316 18-12 — Chromium Plated.

Designed for marine use — holds door firmly in place — no loose parts to rattle or mar finish of door or bulkhead. Complete with Stainless Steel Mounting Screws.

Each Complete	Projection Inches	Weight Ounces	Standard Package
\$3.00	2-1/2	1-3/4	5

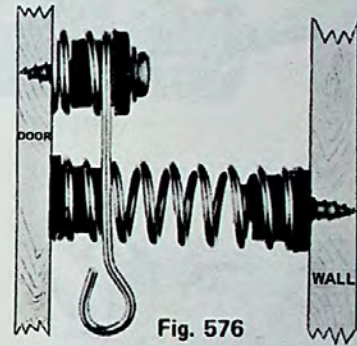


Fig. 576

### DOOR STOP—Fig. 577

Stainless Steel No. 316 18-12 — Chromium Plated

Many other uses may be found for this item i.e., anti-rattle if ordinary hook and eye already installed, vibration or shock mount, bumpers for sliding doors, etc.

Each	Projection Inches	Weight Ounces	Standard Package
\$1.60	2-1/2	3/4	5



Fig. 577

### ELBOW CATCHES—Fig. 1056

Zamak Die Casting — Chromium Plated

Each	Size Base Inches	Standard Package	Weight Ounces
\$1.90	1-1/8x9/16	25	3/4

Available in Skin Pack. See Skin Pack Section.



Fig 1056

### "FLEXA" DOOR CATCHES—Fig. 554

White Nylon Catch — Stainless Steel Spring — With Brass, Chromium Plated Screws — Positive Grip — 18 Pound Pull

Each Complete	Length Catch Inches	Length Ball Head Screw Inches	Standard Package	Weight Ounces
\$.65	1-3/16	3/4	25	1/4

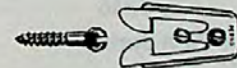


Fig 554

### "POLYDEL" DOOR CATCHES—Fig. 559

Grey Delrin Ball Stud — Polyethylene Catch — Holds Door Firmly in Place Against Vibration and Motion

Each	Stud Size Inches	Catch Size Inches	Standard Package	Weight Per 100 Pounds
\$ .40	1-1/8x3/8	1-3/8x7/8	25	1

Available in Skin Pack. See Skin Pack Section.



Fig. 559

### FRICTION CATCHES—Fig. 178

All Brass — Adjustable Tension

Illustrations are full size. Supplied complete with oblong strike.

Per Set — \$.40

Standard Package, 25 Sets.

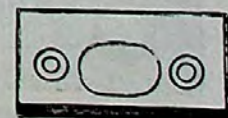


Fig. 178



Fig. 1112

## HATCH HOLD-DOWN CLAMPS

Pressure Cast Silicon Bronze — Polished Chromium Plated

An excellent item with many uses, on hatch covers, windshields, windows, bait and fish boxes, etc.

### Flat Mounting

Fig. 1112

Each	Length Inches	Width Inches	Standard Package	Weight Ounces
\$7.85	3	1-1/2	5	5-1/2

### Angle Mounting

Fig. 1113

Each	Length Inches	Width Inches	Standard Package	Weight Ounces
\$7.85	2-1/2	1-1/2	5	5-1/2

Fig. 1113



## ANTI-RATTLE DOOR OR HATCH FASTENER—Fig. 1108

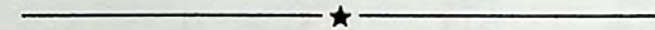
Pressure Cast Silicon Bronze

Burnished Each	Polished Each	Chromium Plated Each	Size Base Inches	Standard Package	Weight Ounces
\$6.25	\$7.25	\$8.25	2-3/4x1-3/4	5	4

Has 1/4 inch hole in lever for padlock.



Fig 1108



## 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-B  
Without Spring



Fig. 1216  
With Spring

	Each	Plate Diameter Inches	Width Less Keeper Inches	Standard Package	Weight Ounces
Fig. 1216	\$1.70	1-11/16	1-3/16	10	1-1/2
Fig. 1216-B	1.65	1-11/16	1-3/16	10	1-1/2



Available in Skin Pack. See Skin Pack Section.



## FLUSH RING CATCHES—Fig. 1051

Die Cast Zamak — Chromium Plated — Phosphor Bronze Spring

Each	Size Inches	Standard Package	Weight Ounces
\$3.25	1-3/4x1-3/8	10	1-1/2



Fig. 1051

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### FLUSH RING PULLS—Fig. 841

Die Cast Zamak — Chromium Plated

Each	Size Plate Inches	Standard Package	Weight Ounces
\$1.90	1-3/4x1-3/8	10	1

Available in Skin Pack. See Skin Pack Section.



Fig. 841

### FLUSH RING PULLS—Fig. 1103

Pressure Cast Silicon Bronze

Burnished Each	Polished Each	Chromium Plated Each	Size Plate Inches	Standard Package	Weight Ounces
\$3.50	\$4.00	\$4.50	2-9/16x2	5	3-1/2

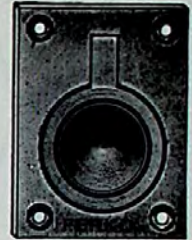


Fig. 1103

### FLUSH HATCH LIFTING RING—Fig. 575

Safety Type — Pressure Cast Silicon Bronze

No recess to catch heels, chair or table legs, etc.

Burnished Each	Polished Each	Chromium Plated Each	Size Plate Inches	Inside Ring Inches	Standard Package	Weight Ounces
\$3.50	\$4.00	\$4.50	2-5/8x2	1	5	3

Available in Skin Pack. See Skin Pack Section.



Fig. 575

### FLUSH HATCH LIFTING HANDLE—Fig. 1220

Zamak Die Casting — Chromium Plated

No large recess to catch chairs, heels, table legs, etc.

Each	Dimensions Plate Inches	Inside Handle Inches	Standard Package	Weight Ounces
\$2.50	3x2-1/4	1-7/8x1	5	3

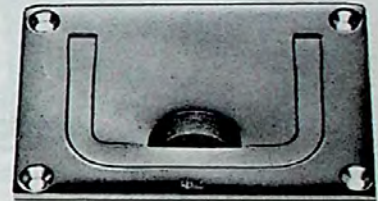


Fig. 1220

### HEAVY DUTY FLUSH HATCH LIFTING HANDLE—Fig. 776

Pressure Cast Silicon Bronze With Stainless Steel Pin

No.	Burnished Each	Polished Each	Chromium Plated Each	Dimensions Plate Inches	Inside Handle Inches
1	\$4.40	\$5.00	\$5.70	3 x 2-1/4	1-7/8 x 1
2	\$5.90	6.70	7.60	3-3/4x2-3/4	2-3/16x1-3/16

Weight — No. 1, 3-1/2 Ozs. No. 2, 5-1/2 Ozs.

Standard Package, 5 Pieces.

Available in Skin Pack. See Skin Pack Section.

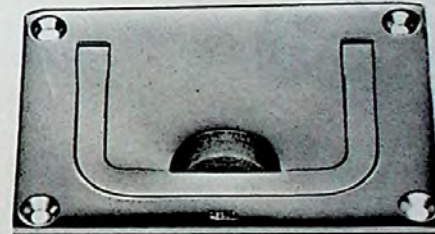


Fig. 776

### HATCH SUPPORT HINGES—Fig. 762

Brass — Chromium Plated

No.	Length Open Inches	Per Pair	For Screw No.	Weight Per Pair Ounces
1	10	\$12.00	8	10
2	12	12.35	8	12
3	14	12.70	8	14



Fig. 762

### HATCH ADJUSTERS—Fig. 797

Chromium Plated — Improved With Stop Teeth in Back of Slide.

Chromium Plated Each	Length Arm Inches	Length Adjustment Inches	Length Slide Inches	Weight Ounces
\$10.00	10	9-1/2	10-3/4	13

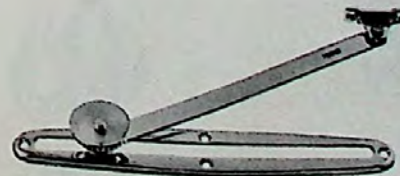


Fig. 797



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	Standard Package	Weight Ounces
\$1.30	3	10	1

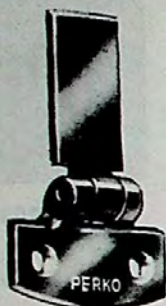


Fig. 935

## SLIDING WINDOW STOP—Fig. 935

Zamak Die Casting — Chromium Plated

Each	Mounting Plate Inches	Stopping Plate Inches	Standard Package	Weight Ounces
\$2.20	1-7/8x3/4	1-1/2x3/4	10	2



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	Standard Package	Weight Ounces
\$2.15	1-5/8	1x5/8	1-1/8	10	1-1/4

\*Between Knob and Tip

Available in Skin Pack. See Skin Pack Section.



Fig. 934

## 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	Standard Package	Weight Ounces
\$1.80	1	2x5/8	1-1/8	10	1-1/4

\*Between knob and tip.

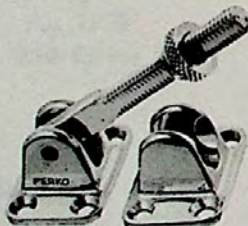


Fig. 770

## SASH OR HATCH FASTENERS—Fig. 770

Pressure Cast Silicon Bronze — Stainless Steel Pin

Burnished Finish Each	Chromium Plated Each	Extreme Length Overall Inches	Width Inches	Length Thread Inches	Standard Package	Weight Ounces
\$5.50	\$7.00	3-3/4	1-5/8	2-1/4	10	6



Fig. 719

## TABLE LEG FASTENERS—Fig. 719

Brass — For Fastening Table Leg To Deck

Burnished Each	Chromium Plated Each	Length Angle Inches	Width Angle Inches	Standard Package	Weight Ounces
\$3.15	\$4.75	1-3/8	1	10	3

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### DRAWER PULLS—Fig. 958

Pressed Brass

Polished Brass Each	Chromium Plated Each	Width Overall Inches	Width Inside Inches	Standard Package	Weight Ounces
\$1.50	\$1.90	3-7/16	2-5/16	10	1



Fig. 958

### DRAWER KNOBS—Fig. 925

Brass — Chromium Plated —  
For Drawers Up To 1-1/8" Thick

Each	Diameter Inches	Standard Package	Weight Ounces
\$1.30	1	10	1-1/2



Fig. 925

### FLUSH PULLS—Fig. 1110

Die Cast Zamak — Chromium Plated — For Drawers, Sash Or Sliding Doors

Each	Dimensions Overall Inches	Depth Inches	Standard Package	Weight Ounces
\$2.45	3-11/16x1-11/16	7/16	10	3

Inside recessed for finger grip as illustrated.



Fig. 1110

### COAT AND HAT HOOKS—Figs. 959 & 975

Chromium Plated

Fig.	Each	Projection Inches	Width Base Inches	Standard Package	Weight Ounces
959	\$1.15	2-1/4	1-3/16	10	1-3/4
975	.60	2	1-3/16	10	1



Fig. 959 Bronze  
Fig. 975 Zamak

### WARDROBE HOOK—Fig. 635

Cast Brass — Chromium Plated

Each	Projection Inches	Width Base Inches	Standard Package	Weight Ounces
\$1.15	1-3/4	1-1/4	10	1-1/2



Fig. 635

### WARDROBE HOOK—Fig. 1106

Cast Brass — Chromium Plated

Each	Projection Inches	Width Base Inches	Standard Package	Weight Ounces
\$1.15	1	1-3/16	10	1-1/2



Fig. 1106

### UTILITY HOOK—Fig. 610

Cast Brass — Chromium Plated

Each	Projection Inches	Width Base Inches	Standard Package	Weight Ounces
\$.90	1-1/8	1-3/16	20	1



Fig. 610

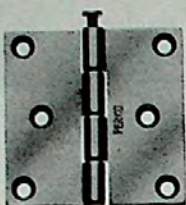


Fig. 1293

## BUTT HINGES—Fig. 1293

Zamak Die Castings — Chromium Plated  
Stainless Steel Removable Pin and Nylon Spacers —  
Smooth Operation

No.	Per Pair	Size Open Inches	For Screw No.	Weight Per Pair Ounces
1	\$2.40	1-1/2x1-1/2	8	2
2	2.50	2 x1-1/2	8	2-1/2
3	2.70	2 x2	8	3
4	2.80	2-1/2x2	8	4-1/2
5	3.40	2-1/2x2-1/2	8	5
6	3.80	3 x3	10	7-1/2

Standard Package, 5 Pairs.



Available in Colors. See Acry-Color Section.

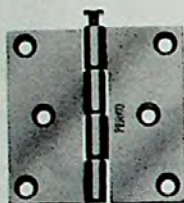


Fig. 952

## BRONZE BUTT HINGES—Fig. 952

Pressure Cast Silicon Bronze — Very Strong  
Stainless Steel Removable Pin

No.	Smooth Bronze Finish Per Pair	Polished Chromium Plated Per Pair	Size Open Inches	For Screw No.	Weight Per Pair Ounces
1	\$3.60	\$4.75	1-1/2x1-1/4	8	2
2	3.75	4.90	1-1/2x1-1/2	8	2-1/2
3	4.20	5.70	2 x1-1/2	8	2-3/4
4	4.85	6.45	2 x2	8	4
5	5.40	6.95	2-1/2x2	8	5
6	6.20	7.95	2-1/2x2-1/2	8	6-3/4
7	7.95	9.80	3 x3	10	9-1/2

Standard Package, 5 Pairs.



Fig. 120

## STRAP HINGES—Fig. 120

Pressure Cast Silicon Bronze — Stainless Steel Pin

No.	Burnished Per Pair	Chromium Plated Per Pair	Length Open Inches	Width At Pin Inches	Weight Per Pair Ounces
1	\$5.20	\$ 7.60	4	1-1/16	4
2	6.00	8.50	6	1-1/8	6
3	8.60	12.40	8	1-3/16	14

Standard Package, 5 Pairs.

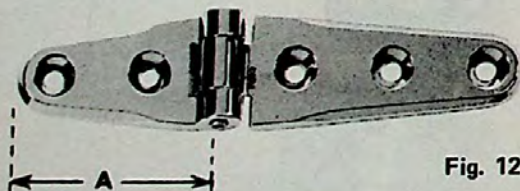


Fig. 122

## SHORTSIDE STRAP HINGES—Fig. 122

Pressure Cast Silicon Bronze — Stainless Steel Pin

Length Open Inches	Burnished Per Pair	Polished Bronze Per Pair	Chromium Plated Per Pair	Width Inches	Weight Per Pair Ounces
4-7/8	\$5.50	\$8.20	\$9.20	1-1/8	5

Dimension "A" to Center of Pin 2"

Screw Size No. 10 — Standard Package, 5 Pairs.

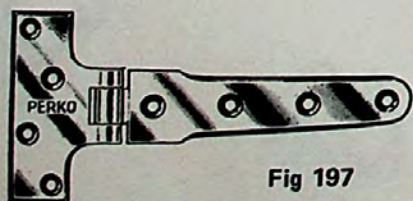


Fig 197

## "T" HINGES—Fig. 197

Cast Bronze — Stainless Steel Pin

No.	Burnished Per Pair	Chromium Plated Per Pair	Length Open Inches	Width Overall Inches	Weight Per Pair Pounds
1	\$ 6.00	\$12.35	4	2-1/8	1/2
2	7.30	13.80	6	3	7/8
3	12.00	20.00	8	3-7/8	1-1/2

Standard Package, 5 Pairs.

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### CUDDY DOOR HINGES—Fig. 808

Zamak Die Castings — Chromium Plated — With Stainless Steel Pins

Per Pair	Length Open Inches	Extreme Width Inches	For Screw No.	Weight Per Pair Ounces
\$3.50	3	1-1/2	8	3-1/2

Standard Package, 5 Pairs.

Available in Colors. See Acry-Color Section.

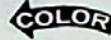


Fig. 808



### HEAVY DUTY CUDDY DOOR HINGES—Fig. 951-PC

Pressure Cast Silicon Bronze — 18-8 Stainless Steel Pin  
Great Strength — Fine Finish

No.	Length Open Inches	Burnished Per Pair	Chromium Plated Per Pair	Width Inches	For Screw No.	Weight Per Pair Ounces
1	3	\$4.85	\$6.75	1-1/2	8	3-1/2
2	4	5.20	7.50	1-1/2	8	5-1/2

Standard Package, 5 Pairs.

For 5 Inch Size See Fig. 951-SC.



Fig. 951-PC



### HEAVY DUTY CABINET HINGES

Pressure Cast Silicon Bronze or Die Cast Zamak  
Surface Type — 18-8 Stainless Steel Pin

Fig. No.	Length Open Inches	Burnished Per Pair	Chromium Plated Per Pair	Width Inches	For Screw No.	Weight Per Pair Ounces
987 1	2-1/4	\$4.75	\$6.60	1-1/2	8	3-1/2
987 2	2-3/4	4.90	6.90	1-1/2	8	4
1213 1	2-1/4		2.60	1-1/2	8	3

Dimension "A" — 9/16"

Standard Package, 5 Pairs.

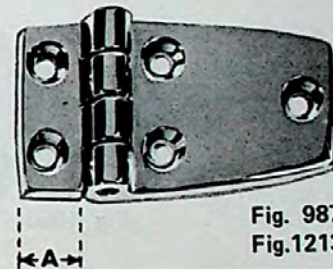
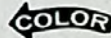


Fig. 987 — Bronze  
Fig. 1213 — Zamak

Fig. 1213 Available in Colors. See Acry-Color Section.



### HEAVY DUTY CABINET HINGES

Pressure Cast Silicon Bronze or Die Cast Zamak  
3/8" Offset Type — 18-8 Stainless Steel Pin

Fig. No.	Length Open Inches	Burnished Per Pair	Chromium Plated Per Pair	Width Inches	For Screw No.	Weight Per Pair Ounces
988 1	2-1/4	\$4.85	\$6.75	1-1/2	8	4
988 2	2-3/4	5.10	8.00	1-1/2	8	5
1214 1	2-1/4		2.60	1-1/2	8	4

Dimension "A" — 11/16"

Standard Package, 5 Pairs.

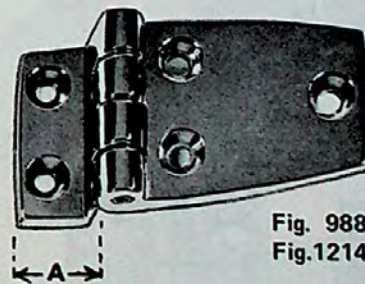
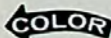


Fig. 988 — Bronze  
Fig. 1214 — Zamak

Fig. 1214 Available in Colors. See Acry-Color Section.



### HEAVY DUTY SHORTSIDE HINGES—Fig. 999

Pressure Cast Silicon Bronze — 18-8 Stainless Steel Pin

Length Open Inches	Burnished Per Pair	Chromium Plated Per Pair	Width Inches	For Screw No.	Weight Per Pair Ounces
3-1/2	\$4.90	\$7.10	1-1/2	8	5

Dimension "A" — 1-5/16"

Standard Package, 5 Pairs.

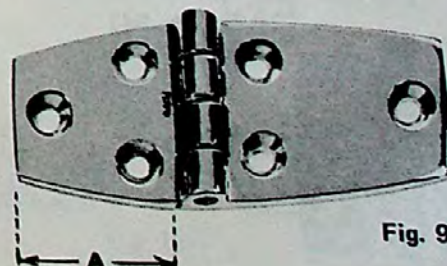


Fig. 999



Fig. 950 Stainless Steel  
Fig. 924 Brass

**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	Standard Package	Weight Per Pair Ounces
\$3.20	3	1-1/2	3/16	5 Pairs	3

Available in Skin Pack. See Skin Pack Section.

**CUDDY DOOR HINGES—Fig. 924**

Wrought Brass — Thickness .051 Inches — Stainless Steel Pin

Polished Brass Per Pair	Chromium Plated Per Pair	Length Open Inches	Extreme Width Inches	Standard Package	Weight Per Pair Ounces
\$2.40	\$2.75	3	1-1/2	10 Pairs	2-1/2

**CAST BRONZE CUDDY DOOR HINGE—Fig. 951-SC**

Traditional Style — Stainless Steel Pin

Burnished Per Pair	Chromium Plated Per Pair	Length Open Inches	Width Inches	For Screw No.	Weight Per Pair Ounces
\$3.80	\$7.90	5	1-1/2	8	7

Standard Package, 5 Pairs.

Other Sizes see Fig. 951-PC

**BUTTERFLY HINGES—Fig. 1058**

Wrought Brass

No.	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Length Open Inches	Width at Pin Inches	Thickness Inches	Weight Per Pair Ounces
1	\$ .75	\$1.00	\$1.85	2-1/4	3/4	.040	1/2
2	1.10	1.30	2.60	3	1-1/16	.045	1-1/2

Standard Package, 20 Pairs.

**FLAP HINGES—Fig. 929**

Stainless Steel — Polished — Thickness .050 Inches

Per Pair	Length Open Inches	Extreme Width Inches	Standard Package	Weight Per Pair Ounces
\$1.75	2-1/16	3/4	20 Pairs	1

**NEW HEAVY DUTY CABINET HINGES — Fig. 941**

Zamak Die Castings — Chromium Plated with Stainless Steel Pin — Surface Type

Per Pair	Size Open Inches	For Screw No.	Weight Per Pair Ounces
\$2.50	1-1/2x1-1/2	8	2-1/4

Dimension "A" — 1/2"

Standard Package, 5 Pairs

**NEW HEAVY DUTY CABINET HINGES — Fig. 942**

Zamak Die Castings — Chromium Plated With Stainless Steel Pin — 3/8" Offset Type

Per Pair	Size Open Inches	For Screw No.	Weight Per Pair Ounces
\$2.50	1-1/2x1-1/2	8	2-1/2

Dimension "A" — 9/16"

Standard Package, 5 Pairs

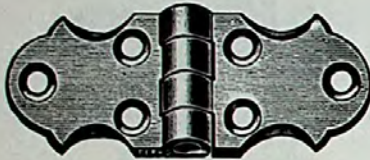


Fig. 951 SC



Fig. 1058



Fig. 941



Fig. 942



### "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 at Pin Inches	Standard Package	Weight Ounces
\$5.30	\$8.20	3-3/4	2	5	6-1/2

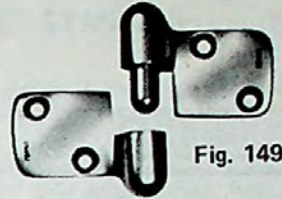


Fig. 149

### HATCH HINGES—Fig. 773

Cast Bronze

For use with flush hatch cover.

Burnished Per Pair	Chromium Plated Per Pair	Length Inches	Width Overall Inches	Weight Per Pair Pounds
\$13.20	\$24.90	3-1/8	2-5/8	1-5/8

Illustration shows one half pair.



Fig. 773

### "SEMI-CONCEALED" HINGE—Fig. 271

Wrought Brass — Chromium Plated

For use on doors with 3/8" inset.

Per Pair	Dimensions Overall Inches	Standard Package	Weight Per Pair Ounces
\$2.25	2-3/4x2-1/8	10 Pairs	2-1/2

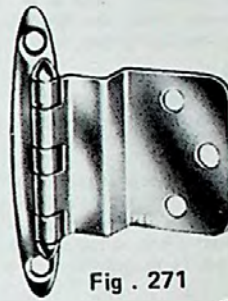


Fig. 271

### LADDER HINGES—Fig. 556

Cast Manganese Bronze — Chromium Plated

Per Pair	Length Open Inches	Width Inches	Standard Package	Weight Per Pair Ounces
\$11.00	5-3/4	3/4	5 Pairs	8



Fig 556

### SECURITY HINGED HASPS — Fig. 998

Pressure Cast Silicon Bronze  
18-8 Stainless Steel Pin

No.	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Length Closed Inches	Width Inches	Weight Ounces
1	\$2.30	\$3.45	\$3.80	2	1	2
2	2.65	3.80	4.30	3	1	3

Standard Package, 10.



Fig. 998

### 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	Standard Package	Weight Ounces
\$1.65	\$2.15	2-7/8	1	10	1-1/4



Fig 979

### SECURITY HINGED HASPS—Fig. 1198

Zamak Die Casting — Chromium Plated

No.	Each	Length Closed Inches	Width Inches	Standard Package	Weight Ounces
1	\$2.35	2	1	10	1-1/2
2	2.40	3	1	10	2-1/4
3	2.50	3-3/4	1	10	2-1/2

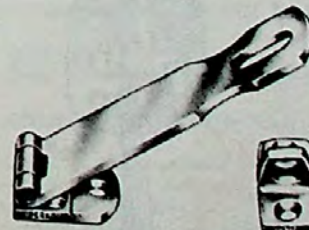


Fig. 1198

Available in Skin Pack. See Skin Pack Section.





## CONTINUOUS OR PIANO HINGE—Figs. 211 & 212

For use on Hatch Covers, Locker Doors, Windshields, etc.  
Countersunk holes are two inches apart, center to center.



Brass, Chromium Plated — Fig. 211

Stainless Steel, Polished — Fig. 212

### BRASS — FIG. 211

No.	Chromium Plated Each	Width Open Inches	Length Inches	Thickness Inches	For Screw No.	Weight Pounds
2	\$11.25	1-1/4	72	.040	5	1-1/2
4	11.25	1-1/2	72	.040	5	2
6	16.00	2	72	.045	6	2-1/2

Standard Package, 10 Pieces.

### STAINLESS STEEL — FIG. 212

Type No. 304, 18-8, Polished

No.	Each	Width Open Inches	Length Inches	Thickness Inches	For Screw No.	Weight Pounds
2	\$10.00	1-1/4	72	.040	6	1-1/3
4	11.80	1-1/2	72	.040	6	2

Standard Package, 10 Pieces.



## FLAT HATCH TRIM—Figs. 243 & 258

For finishing around edges of hatch. Drilled and countersunk off center for No. 6 flat head screws.



Brass, Chromium Plated — Fig. 243

Stainless Steel, Polished — Fig. 258

### BRASS— FIG. 243

No.	Chromium Plated Each	Width Inches	Length Inches	Thickness Inches	Standard Package	Weight Pounds
2	\$8.60	1-1/4	72	.040	10	1
4	9.75	1-1/2	72	.040	10	1-1/2

### STAINLESS STEEL — FIG. 258

Type 304-18-8 — Polished

No.	Each	Width Inches	Length Inches	Thickness Inches	Standard Package	Weight Pounds
2	\$6.60	1-1/4	72	.040	10	1
4	7.15	1-1/2	72	.040	10	1-1/2



## 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	Standard Package	Weight Ounces
\$4.00	2-3/8	1-3/4	5	1-3/4

Specify right or left hand.



Fig. 1064



Fig 1063

## 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 left hand.

Each	Length Overall Inches	Size Lever Inches	Standard Package	Weight Ounces
\$7.00	4-11/16	3-9/16	5	6-1/2

Specify right or left hand.





## 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.

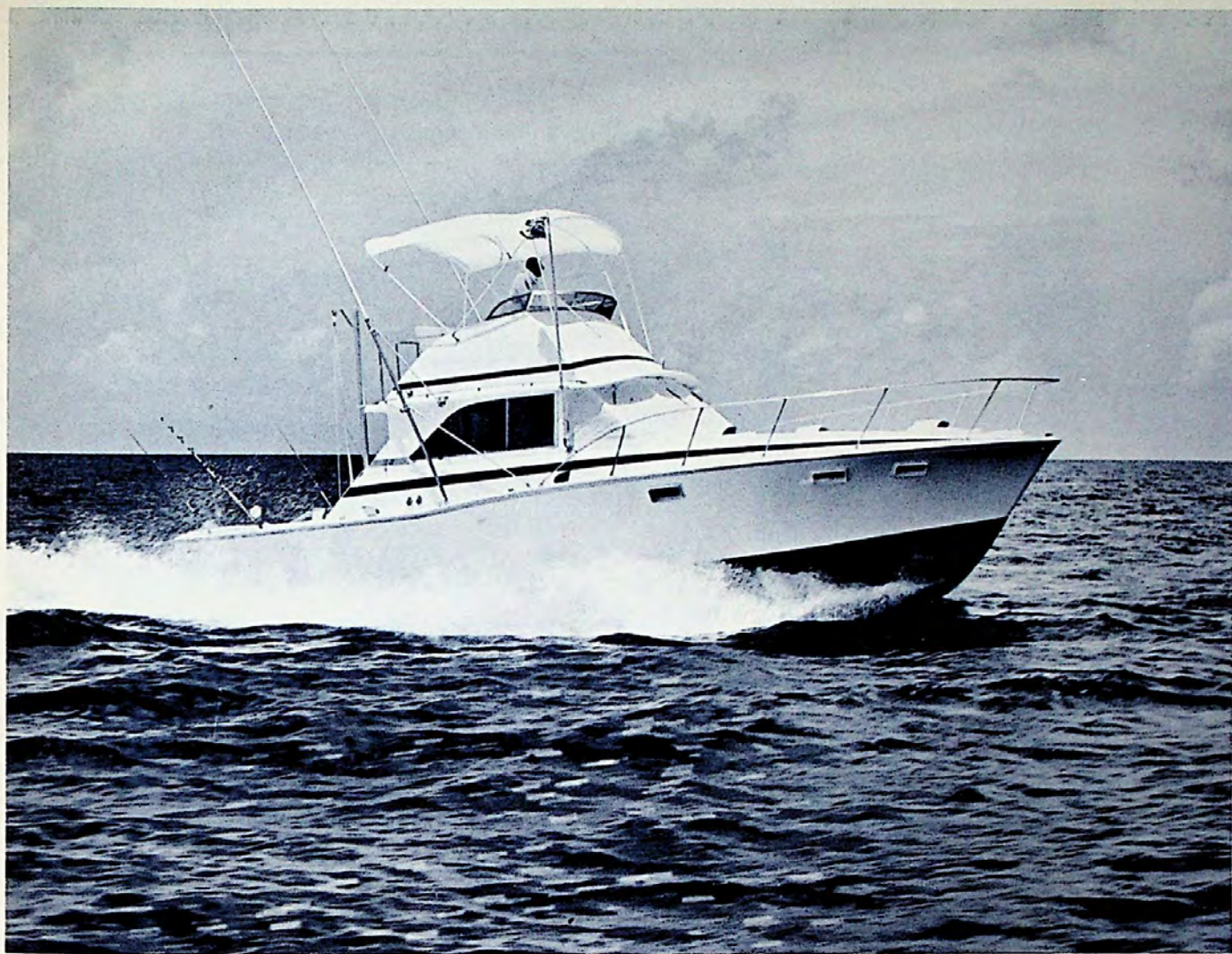
### FOG SIGNALS FOR POWER BOATS

- 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).





# FISHING EQUIPMENT

**PERKO**

BOOKLET NO. 215-A



FOR SPORT FISHING BOATS

MANUFACTURED BY PERKINS MARINE LAMP & HARDWARE CORP., 16490 N.W. 13TH AVE., P.O. BOX D, MIAMI, FLORIDA 33164  
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Fig. 460



Fig. 476  
Fig. 477



Fig. 471



TELESCOPIC FIBERGLASS OUTRIGGERS—Fig. 460

Hollow — Tapered — With Reinforced Joints

This sturdy model is impervious to heat, cold, moisture and sun. Base and tip are equipped with plugs.

No.	Per Pair	Diameter Base Inches	Overall Length Open Feet	Overall Length Closed Inches	Number of Sections	Weight Pounds
3	\$38.00	1-1/8	15	66	3	2-1/2
4	59.00	1-7/8	20	99	4	6-1/2

FIBERGLASS OUTRIGGER KITS — Figs. 476 and 477

Fig. 476 Kit Consists of 1 pr. Fig. 460 #3 poles — 2 Fig. 469 Clips — 1 Set Fig. 468-A Guides.

Fig. 477 Kit Consists of 1 pr. Fig. 471 #3 poles with Guides — 2 Fig. 469 Clips.

Fig. 476	\$47.00	Per Kit
Fig. 477	53.00	Per Kit

NOTE— Due to design of shipping carton Figs. 476 and 477 are sold only in lots of 3 kits.

NEW

FIBERGLASS OUTRIGGERS WITH GUIDES — FIG. 471

Telescopic — Hollow — Tapered — With Reinforced Joints

Same Basic Design and Construction as Fig. 460 Except Furnished Complete With Attached Chromium Guides.

No.	Per Pair	Diameter Base Inches	Overall Length Open Feet	Overall Length Closed Inches	Number of Sections	Weight Pounds
3	\$44.00	1-1/8	14-1/2	67	3	2-1/2

OUTRIGGER TROLLING PIN OR CLIP—Fig. 469

High Impact Plastic — Orange Color — Stainless Steel Eyes and Spring — All Salt Water Resistant — High Visibility

Each	Dimensions Inches	Standard Package	Weight Ounces
\$1.50	3-1/2x1-1/2	10	2-1/4

Available in Skin Pack. See Skin Pack Section.

ADJUSTABLE TENSION TROLLING PIN—Fig. 454

High Impact Plastic — Orange Color — Stainless Steel Bolt, Washer and Spring — Chrome Plated — Brass Wing Nut

Each	Length Inches	Width Inches	Standard Package	Weight Ounces
\$2.75	3-1/2	1-1/2	6	2-1/2

OUTRIGGER POLE LINE GUIDES—Fig. 468

White Nylon — Plastic Headless Set Screw

Set A — For No. 3 Outriggers, per set ..... \$6.35  
Consists of 2 each Nos. 1-2-3-4

Set B — For No. 4 Outriggers, per set ..... \$7.25  
Consists of 2 each Nos. 2-3-5-6

No.	Each	I.D. Ring Inches	I.D. Guide Inches	Weight Ounces
1	\$ .70	9/16	1/2	1/4
2	.70	3/4	1/2	1/4
3	.95	1	1/2	1/4
4	.95	1-1/8	1/2	1/4
5	1.05	1-1/4	1/2	5/16
6	1.05	1-5/8	1/2	5/16

Standard Package, 6 Pieces.

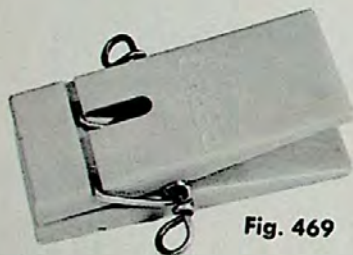


Fig. 469

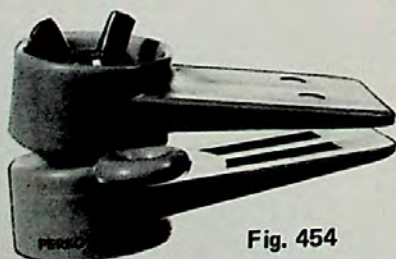


Fig. 454

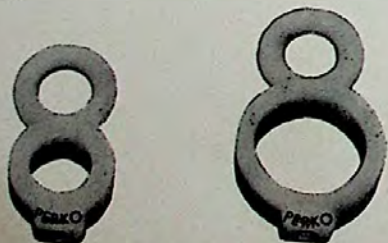


Fig. 468



## OUTRIGGER POLE HOLDERS

BRONZE CHROMIUM PLATED

An Easy to Use Yet Effective Outrigger Pole Holder. Use by Lifting Holder and Turning For 3 Different Positions – Vertical, Fishing, and Lowered for Bridges.

### SIDE MOUNT—Fig. 444

Fits Fig. 460 No. 3

Complete Per Pair	Spare Plates Each	Spare Holders Each	Inside Diameter Tube Inches	Dimensions Plate Inches	Weight Per Pair Pounds
\$58.75	\$17.50	\$12.00	1-1/8	5x2-1/2	5-3/4

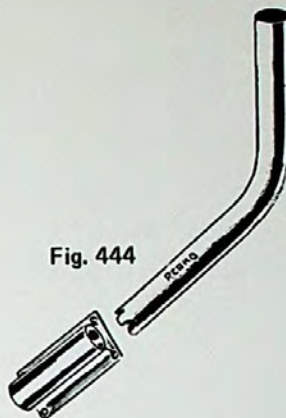


Fig. 444

### DECK MOUNT—Fig. 451

No. 1 Fits Fig. 460 No. 3

No. 2 Fits Fig. 460 No. 4

No.	Complete Per Pair	Spare Plates Each	Spare Holders Each	Inside Diameter Tube Inches	Dimensions Plate Inches	Weight Per Pair Pounds
1	\$ 53.50	\$14.50	\$12.00	1-1/8	5x2-1/2	5-1/2
2	132.50	33.50	32.75	1-7/8	8x4-1/2	20

Fig. 451 No. 1

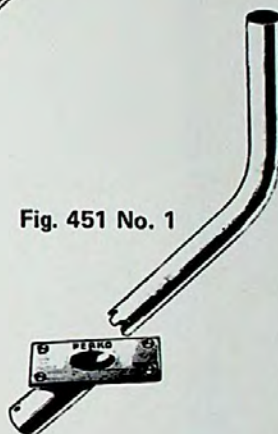
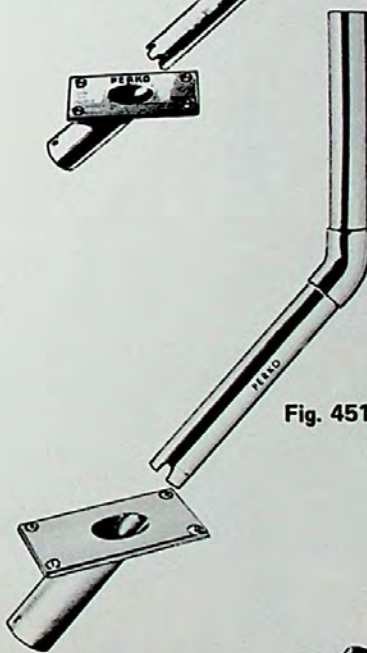


Fig. 451 No. 2



A pair consists of 2 plates and 2 holders. Spare "Holders Only" Specify Port or Starboard.



IMPROVED

### HEAVY DUTY OUTRIGGER POLE HOLDERS—Fig. 445

Heavy Brass Tubing – Cast Bronze Fittings – All Chromium Plated

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	Inside Diameter Outrigger Tube Inches	Length Outrigger Tube Inches	Weight Per Pair Pounds
1	\$225.50	1-7/8	18-1/2	18-1/2
2	242.00	1-7/8	33-1/2	22

IMPROVED

NOTE: Furnished complete with Stop Collar for Outrigger Tube, Per Illustration.

No. 1 will support poles about 20 feet long, i.e. Fig. 460 No. 4. No. 2 for poles about 25 or more feet long.

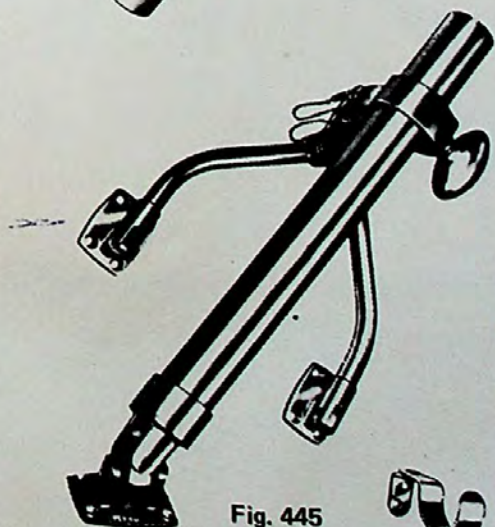


Fig. 445



# PERKO

FIG. 468  
LINE GUIDES

Figs. 460 or 471 Poles

FIGS. 454 OR 469  
CLIP - PIN

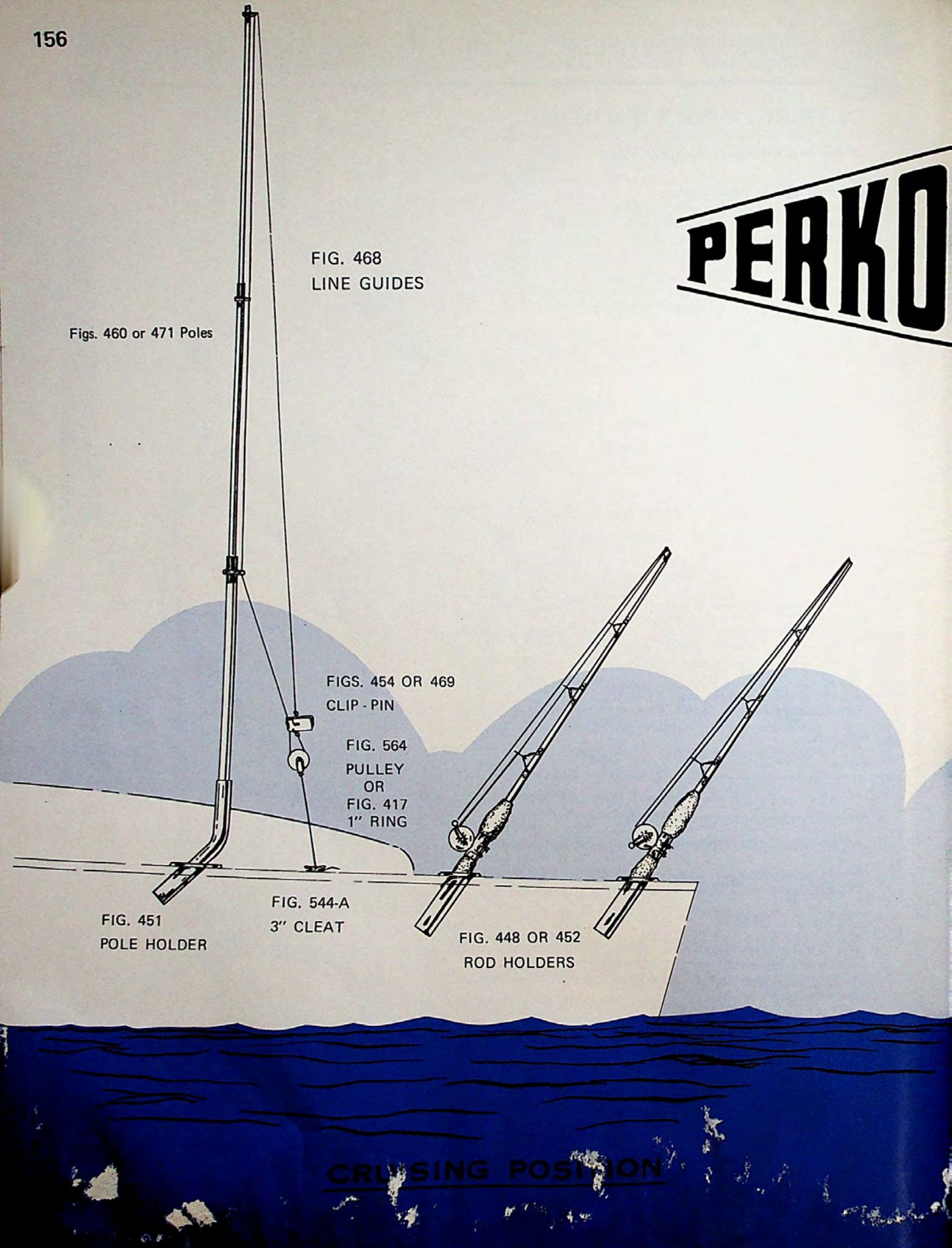
FIG. 564  
PULLEY  
OR  
FIG. 417  
1" RING

FIG. 451  
POLE HOLDER

FIG. 544-A  
3" CLEAT

FIG. 448 OR 452  
ROD HOLDERS

CRUISING POSITION





OUTRIGGERS  
EXTENDED  
TO 60° -  
TROLLING

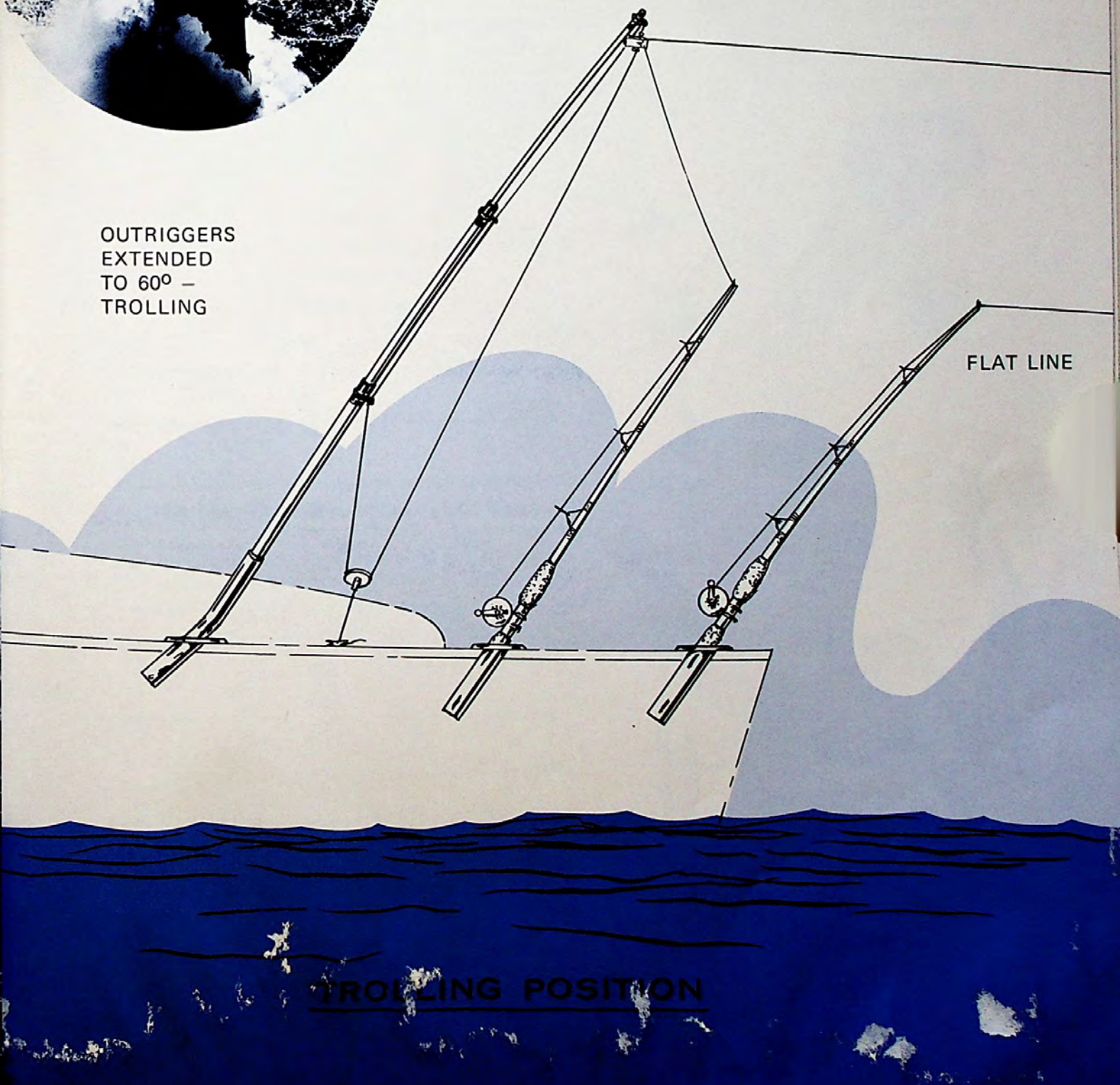




Fig. 452

## STAINLESS STEEL FISHING ROD HOLDERS—Fig. 452

18-8 SS — Polished

Complete with Vinyl Liner and Cross Bar for butt of pole. Also a heavy under-flange gasket.

No.	Each	Inside Diameter Inches	Length Overall Inches	Flange Dimensions Inches	Weight Pounds
1	\$10.25	1-5/8	9	4-1/8x3-3/8	1



## FISHING ROD HOLDERS — Figs. 448 and 1205

For Mounting in Covering Board or Catwalk. Has White Polyvinyl Liner.

Cast Bronze — Chromium Plated — Fig. 448

No.	Chromium Plated Each	Inside Diameter Inches	Length Overall Inches	Flange Dimensions Inches	Weight Pounds
1	\$15.00	1-5/8	9	4 x 3-1/8	1-1/2
3	19.50	1-3/4	11	5-1/8x 4	2-1/4



Zamac Die Casting — Acry-Color Finish — Fig. 1205

	Each	Color	Inside Diameter Inches	Length Overall Inches	Flange Dimensions Inches
1205 BK	\$5.75	Black	1-5/8	9	4 x 3-1/8
1205 WH	5.75	White	1-5/8	9	4 x 3-1/8

Weight Pounds — 1-1/2



Fig. 448—Bronze  
Fig. 1205—Zamak



## FISHING ROD HOLDERS—Fig. 449

Heavy Brass Tubing — Manganese Bronze Castings  
Chromium Plated — With White Vinyl Lip

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
\$24.00	\$5.35	1-3/4	4x3-3/4	2



CAN BE MOUNTED ON GUNWALE OR CATWALK



Fig. 449

## ADJUSTABLE FISHING ROD HOLDERS—Fig. 475

Heavy Brass Tubing — Manganese Bronze Castings — With White Vinyl Lip.

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
\$25.00	\$42.50	1-3/4	9-1/2	3-5/8x2-1/4	3-3/4

Fig. 475







## FISHING ROD HOLDERS—Fig. 1100

Brass — Chromium Plated — With White Vinyl Lip

Complete Each	Brackets Only Per Pair	Inside Diam. Inches	Length Overall Inches	Width Bracket Inches	Weight Oz.
\$7.40	\$2.65	1-3/4	9	3	16



## VINYL FISHING ROD HOLDERS—Fig. 1104

With Chromium Plated Brass Brackets

Each	Length Overall Inches	Inside Diameter Inches	Outside Diameter Inches	Width Bracket Inches	Weight Ounces
\$4.55	9	1-3/4	2	3-1/4	12

Spare Brackets, \$2.65 Per Pair



## HEAVY DUTY FISHING ROD HOLDERS—Fig. 1107

Brass Tube — Cast Bronze Brackets — Chromium Plated

Complete Each	Length Overall Inches	Inside Diameter Inches	Width Mounting Bracket	Weight Pounds
\$19.00	10-1/2	1-7/8	4-5/16	2-1/2

Supplied complete with gray polyvinyl liner, full length.



## FISHING ROD RACKS—Figs. 591 and 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 bulkhead. Space behind is useful to store charts, rules, protractors, etc.

Fig.	Per Pair	Length Overall Inches	Weight Per Pair Ounces
591	\$10.00	12	5
592	11.35	15	6



## RUBBER LINERS FOR FISHING ROD HOLDERS—Fig. 648

Each	Length Inches	Outside Diameter Inches	Inside Diameter Inches	Weight Ounces
\$4.00	9	1-3/4 to 2	1-1/2 to 1-3/4	6-1/2



## POLYVINYL LIPS AND LINERS FOR FISHING ROD HOLDERS

Fig.	Size No.	Each	Inside Diameter Inches	Outside Diameter Inches	Length Inches	Weight Ounces
483		\$.95	1-3/4	2-1/4	1	1/2
484		2.15	1-7/8	2-1/8	11-1/2	10
487	0	1.55	1-5/8	1-7/8	8-1/4	4-1/2
487	1	1.55	1-5/8	1-7/8	8-1/8	5-1/2
487	3	2.15	1-3/4	2-3/32	10-1/2	8

Fig. 483 fits Figs. 449, 475 and 1100

Fig. 484 fits Fig. 1107

Fig. 487 No. 0 fits Fig. 452

Fig. 487 No. 1 fits Fig. 448 No. 1

Fig. 487 No. 3 fits Fig. 448 No. 3



## SOLID BASE CLEATS—Fig. 544-A

Cast Bronze — For Outrigger Line

Length Inches	Polished Bronze Each	Chromium Plated Each	For Screw No.	Packed Per Box	Weight Ounces
3	\$2.65	\$2.80	8	10	2-1/2
4	3.15	3.45	10	10	4



Fig. 1104



Fig. 1100



Fig. 1107



Fig. 591



Fig. 592



Fig. 648



Fig. 484  
Gray



Fig. 483  
White



Fig. 487  
White



Fig. 544-A



## THE USAGE OF OUTRIGGERS

by "Hank" Gartner

Outriggers for sport fishing boats were devised some time ago when it was observed that many members of the billfish family would strike sharply at a trolled bait, literally destroying it, then proceed on their way without getting hooked. With the use of outriggers, the fishing line after leaving the rod tip leads to the "trolling pin" in its raised position.

The line after leaving the pin proceeds aft to the proper position in the wake of the boat that the captain deems best to give the proper trolling action to the bait being trolled whether it be mullet, balao, squid, line bait, etc.

Using outriggers, the fish after striking vigorously at the trolled bait releases the line from the pin permitting a slack loop of line, which in turn lets the struck bait lie motionless in the water.

In theory, the fish believing his prey stunned, grabs the bait and attempts to make off with it. When the fish runs out of the slack loop of line and is brought up by that taut line, theoretically he should be hooked.

Outriggers with their "trolling pin," lead lines and guides should be installed on the boat as indicated in the accompanying diagrams (See center spread). Modifications may be necessary to accommodate each individual owner's boat. It is recommended to have the top guide (Perko Fig. #468) a few inches down from the extreme tip of the pole, this precludes the possibility of the pin wrapping around and tangling on the pole.

Should the owner wish to install dual pins they should be approximately 3' apart on the same lead line.

Outrigger poles (Perko Fig. #460, #3 & #4) should be parallel when in their vertical position. To accomplish this, it may be necessary to build up the deck under the bases of the outrigger pole holders with small teak wedges or fiberglass putty.

The small cleats (Perko Fig. #544-A-3") should be secured aft of the outrigger base, thus keeping the "trolling pin" line clear of the outrigger pole and the return line.

# PERKINS MARINE LAMP & HARDWARE CORP.

16490 NORTHWEST 13TH AVENUE • P.O. BOX D • MIAMI, FLORIDA 33164

# PERKO

## SKIN-PACKED ITEMS

BOOKLET NO. 215-B



**PERKINS MARINE LAMP & HARDWARE CORPORATION**  
16490 NORTHWEST 13th AVENUE  
P.O. BOX D, MIAMI, FLORIDA 33164

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Fig. 1218 SP

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

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 Per Package Pounds
\$8.15	3-1/2	6-1/4x3-7/8	2-1/2	3/4	4

Dealer Package 3 pieces.



Fig. 1146 SP

### "LITTLE JOE" COMBINATION BOW LIGHT—Fig. 1146 SP

Zamak Die Casting — Chromium Plated — With 12 Volt, 2 C.P. Bulb

Each	Height Inches	Base Inches	Height Lens Inches	Staff Socket Inches	Weight Per Package Pounds
\$6.35	2-1/4	4-1/2x2-3/8	1-7/8	1/2	1-3/4

Dealer Package 3 pieces.

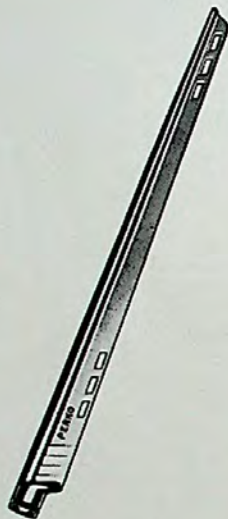


Fig. 1230 SP

### FLAG STAFF—Fig. 1230 SP

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 Per Package Pounds
\$4.00	14	3/4	3-3/4

Dealer Package 6 pieces.



Fig. 217 SP

### ELECTRIC CABIN FIXTURE—Fig. 217 SP

MEDIUM SCREW SOCKET

Zamak Die Casting — Chromium Plated

Each	Size Base Inches	Projection Less Lamp Inches	Weight Per Package Pounds
\$3.45	2-1/2x2-1/4	2-1/2	3-1/2

Dealer Package 6 pieces.



Fig. 33 SP



Fig. 34 SP

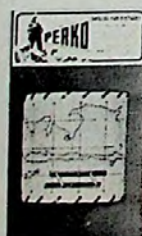


Fig. 36 SP

### MARINE SHIELDS FOR FIXTURES—

Figs. 33 SP, 34 SP, 36 SP

The latest nautical designs — Suitable for hanging and upright bulb

Painted Each	Width Inches	Height Inches	Weight Per Package Pounds
\$3.10	4-1/2	4-5/8	2

Dealer Package 6 pieces.



### SAFETY MAIN SWITCH—Fig. 85-A SP

Red Lexan Plastic Housing — Vapor Tight — Bakelite Control Knob — Copper Contacts — Brass Terminals — Stainless Steel Spring.

For Use With Alternators or Generators.

Rated at 210 amperes continuous, 315 amperes intermittent. (6, 12, and 32 volts)

Supplied for flush mounting with battery cable through bulkhead.

Tested and accepted for labeling and listing by the Yacht Safety Bureau, Inc.

For 2 or more batteries.



Fig. 85-A SP

Each	Diameter Inches	Depth Inches	Weight Per Package Pounds
\$17.35	5	1-3/4	4

Dealer Package 3 pieces.



### PUSH AND PULL SWITCHES—Fig. 105 SP

All Brass — 3/4 Inch Knob — 20 Amp.

No.	Chromium Plated Each	Diam. Neck Inches	For Wood Thickness Inches	Length Overall Inches	Diam. Knob Inches	Weight Per Package Pounds
1	\$2.25	3/8	1	3	3/4	3

Dealer Package 12 pieces.

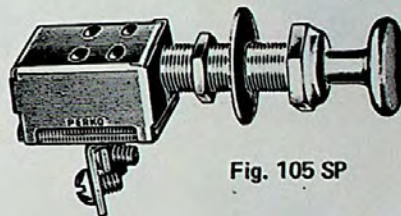


Fig. 105 SP

### MOMENTARY STARTER SWITCH OR DASHBOARD HORN BUTTON—Fig. 255 SP

All Brass — Push Button Type — 2 Point, 2 Terminal Spring Action — Chromium Plated Button — 20 Amp.

No.	Each	Diameter Neck Inches	For Wood Thickness Inches	Weight Per Package Pounds
1	\$3.00	5/8	1	3

Dealer Package 6 pieces.

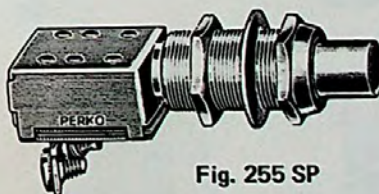


Fig. 255 SP

### IGNITION LOCK SWITCH—Fig. 316 SP

Brass — Face Plate Chromium Plated — 2 Terminal — 2 Keys — 30 Amp.

No.	Each	Diameter Neck Inches	Length Neck Inches	Weight Per Package Pounds
1	\$4.00	3/4	3/4	2

Dealer Package 6 pieces.

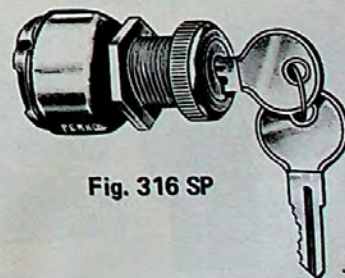


Fig. 316 SP

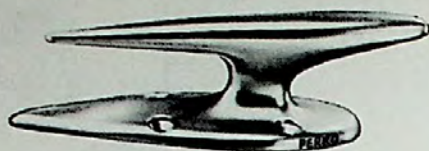


Fig. 566 SP

### STREAMLINE CLEATS—Fig. 566 SP Zamak Die Castings — Chromium Plated

Length Inches	Per Pair	Size Base Inches	For Diam. Rope Inches	Weight Per Package Pounds	Dealer Package
2	\$1.95	2-3/16x1-1/8	5/16	3-1/2	12 Prs.
3	2.50	3-1/8 x1-1/2	3/8	5-1/2	12 Prs.
4-1/2	\$2.00	4-7/16x1-7/8	1/2	8-1/2	12 Pcs.
6	3.00	5-1/2 x2	3/4	13	12 Pcs.



Fig. 1188 SP



### YACHT CLEATS—Fig. 1188 SP Zamak Die Castings — Chromium Plated

Length Inches	Each	Width Base Inches	Weight Per Package Pounds	Dealer Package
4	\$2.75	1-5/8	2-1/2	6 Pcs.
6	3.20	1-3/4	4	6 Pcs.



Fig. 1250 SP

### MODERN DESIGN CLEATS—Fig. 1250 SP Zamak Die Castings — Chromium Plated

Length Inches	Per Pair	Size Base Inches	For Diam. Rope Inches	Weight Per Package Pounds	Dealer Package
3	\$2.75	1-1/2x1-1/4	3/8	2-1/2	6 Prs.
4-1/2	\$2.15	1-7/8x1-1/2	1/2	3	6 Pcs.
6	3.10	2-1/4x2-1/8	3/4	5	6 Pcs.



Fig. 544A SP



### SOLID BASE CLEAT—Fig. 544A SP Cast Bronze — Chromium Plated

Length Inches	Each	For Screw No.	Weight Per Package Pounds
4	\$3.90	10	2-1/2

Dealer Package 6 pieces.



Fig. 1223 SP



### SKENE BOW CHOCKS—Fig. 1223 SP Zamak Die Casting — Chromium Plated

Per Pair	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	Weight Per Package Pounds	Dealer Package
\$1.95	3-1/2	7/8	1/2	4-1/2	12 Prs.



Fig. 1253 SP

### MODERN DESIGN BOW CHOCKS—Fig. 1253 SP Zamak Die Castings — Chromium Plated

Per Pair	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	Weight Per Package Pounds	Dealer Package
\$2.65	4	13/16	1/2	3-1/2	6 Prs.



## BOW CHOCKS—Fig. 546 SP Cast Bronze — Chromium Plated

Length Inches	Per Pair	For Screw No.	Weight Per Package Pounds
4	\$7.40	10	4

Dealer Package 6 pair.



Fig. 546 SP

## STERN CHOCK—Fig. 119 SP Cast Bronze — Chromium Plated

Length Inches	Each	For Screw No.	Weight Per Package Pounds
4	\$5.95	8	2-1/2

Dealer Package 6 pieces.



Fig. 119 SP



## TRANSOM DRAIN PLUGS—Fig. 414 SP For Outboard Boats — Plain Brass — With Safety Chain

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.	Each	Diam. Tube Inches	Length Overall Inches	Length Tube Inches	Weight Per Package Pounds
1	\$2.70	1	2-1/2	2	4

Dealer Package 12 pieces.



Fig. 414 SP



## CLAM SHELL VENTILATOR—Fig. 339 SP 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 Per Package Pounds
\$4.40	2-1/2	1-5/8	4x3-3/4	4

Dealer Package 6 pieces.



Fig. 339 SP

## MIDGET CLAM SHELL VENTILATOR—Fig. 315 SP 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 Per Package Pounds
2	\$1.15	2 x 2	9/16	1-1/2

Dealer Package 12 pieces.

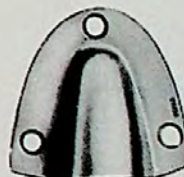


Fig. 315 SP



## LOCKER VENTILATORS—Fig. 330 SP 18-8 Stainless Steel - Polished

No.	Each	Diameter Inches	For Screw No.	Weight Per Package Pounds
2	\$1.30	3-1/4	6	1-1/2

Dealer Package 12 pieces.



Fig. 330 SP

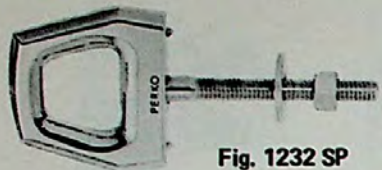


Fig. 1232 SP

**BOW EYES—Fig. 1232 SP**

Die Cast Zamak Eye – Chromium Plated – Forged Steel Shank, Nut and Washer

No.	Each	Length Shank Inches	Length Thread Inches	Diameter Shank Inches	Inside Eye Inches	Weight Per Package Pounds
1	\$2.40	3	2-1/2	3/8	1	4

Dealer Package 6 pieces.



Fig. 1235 SP

**BOW EYES—Fig. 1235 SP**

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 Per Package Pounds
1	\$2.55	3	2-3/4	5/16	1	4-1/4

Dealer Package 6 pieces.

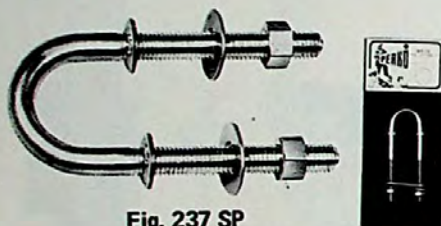


Fig. 237 SP

**BOW EYES—Fig. 237 SP**

18-8 Stainless Steel – Polished

No.	Each	Length Shank Inches	Diameter Metal Inches	Length Thread Inches	Inside Eye Inches	Weight Per Package Pounds
1	\$3.30	3	5/16	2-1/16	1	2

Dealer Package 6 pieces.

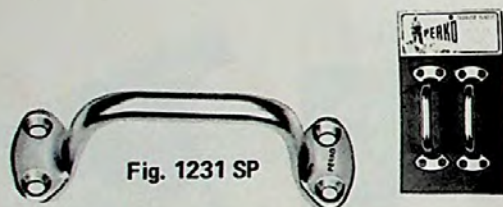


Fig. 1231 SP

**ROUND GRIP TRANSOM HANDLE—Fig. 1231 SP**

Zamak Die Casting – Chromium Plated

Per Pair	Length Overall Inches	Length Inside Inches	Height Inside Inches	For Screw No.	Weight Per Package Pounds
\$3.45	6	3-1/2	1-5/16	10	6-3/4

Dealer Package 6 pairs.



Fig. 775-SP

**TRANSOM HANDLES—Fig. 775 SP**

Silicon Bronze – Chromium Plated

No.	Per Pair	Length Overall Inches	Length Inside Inches	Weight Per Package Pounds
2	\$8.00	5-3/4	3-3/4	4

Dealer Package 6 pairs.

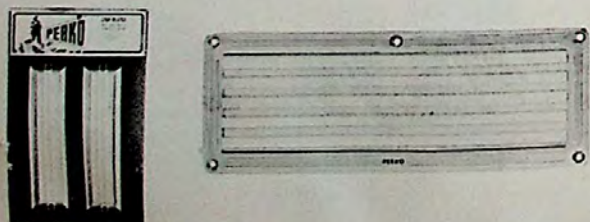


Fig. 1225 SP

**STEP PLATES—Fig. 1225 SP**

Zamak Die Casting – Chromium Plated – With White Moulded Rubber Step Pads

No.	Complete Per Pair	Overall Dimensions Inches	For Screw No.	Weight Per Package Pounds
0	\$4.35	8-3/8x2-1/4	6	3
1	5.25	8-3/4x3-1/4	6	4-3/4

Dealer Package 3 pairs.





### SWIVEL EYE PULLEYS—Fig. 565 SP

All 18-8 Stainless Steel except the sheave which is white nylon.

Complete Per Pair	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Weight Per Package Pounds
\$3.30	3-3/4	2-3/8	1-5/8	4-1/2

Dealer Package 12 pairs.



Fig. 565 SP



Fig. 634 SP

### SNAP HOOK PULLEYS—Fig. 634 SP

All 18-8 Stainless Steel except the sheave which is white nylon.

Complete Per Pair	Length Overall Inches	Snap Throat Opening Inches	Diam. Sheave Overall Inches	Weight Per Package Pounds
\$4.10	4-5/8	1/2	2-3/8	5-1/4

Dealer Package 12 pairs.

### TILLER ROPE TIGHTENERS—Fig. 732 SP

Cadmium Plated Steel Per Pair	Stainless Steel Per Pair	Normal Length Inches	Length Compressed Inches	Outside Diameter Inches	Weight Per Package Pounds
\$1.25	\$2.40	4	5	1-1/16	5-1/2

Dealer Package 12 pairs.



Fig. 732 SP

### TILLER ROPE CLAMPS—Fig. 1226 SP

Zamak Die Castings — Chromium Plated

Per Pair	For Rope Diam. Inches	Length Inches	Width Inches	Weight Per Package Pounds
\$1.20	3/16	1-1/4	11/16	2-1/2

Dealer Package 12 pairs.



Fig. 1226 SP

### TRANSOM PLATES—Fig. 1224 SP

Zamak Die Castings — Chromium Plated

No.	Per Pair	Length Overall Inches	Inside Diameter Inches	Weight Per Package Pounds
1	\$1.90	3-1/2	1-7/8	3-1/4

Dealer Package 12 pairs.



Fig. 1224 SP

### FENDER HOOKS—Fig. 1246 SP

Zamak Die Casting — Chromium Plated

Per Pair	For Rope Diameter Inches	Size Plate Inches	For Screw No.	Weight Per Package Pounds
\$1.65	3/8	1-3/4x1-1/4	6	2-3/4

Dealer Package 12 pairs.



Fig. 1246 SP

### FENDER LOCK—Fig. 1299 SP

Zamak Die Casting — Chromium Plated

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.

Per Pair	Diameter Flange Inches	I.D. Eye Inches	Weight Per Package Pounds
\$2.55	1-1/2	3/8	2-1/4

Dealer Package 12 pairs.



Fig. 1299 SP

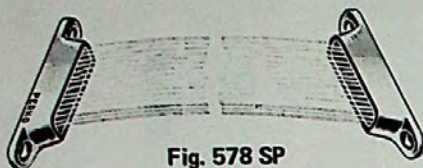


Fig. 578 SP



### BOAT COVER SOCKETS—Fig. 578 SP Zamak Die Casting — Chromium Plated

Per Pair	Length Overall Inches	Size Opening Inches	Width Overall Inches	Weight Per Package Pounds	Dealer Package
\$1.30	3-1/4	1-7/8x7/16	5/8	3	12 Prs.

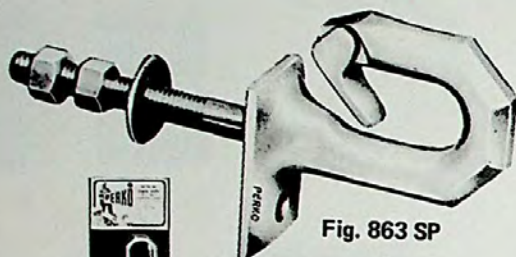


Fig. 863 SP



### WATER SKI TOWING HOOK - Fig. 863 SP

For Mounting Through Transom — Zamak Hook — Steel Bolt — All Chromium Plated

Each	Length Overall Inches	Diameter Bolt Inches	Length Bolt Inches	Length Thread Inches	Weight Per Package Pounds
\$3.75	6	5/16	3-1/4	2-1/2	3-3/4

Dealer Package 6 pieces

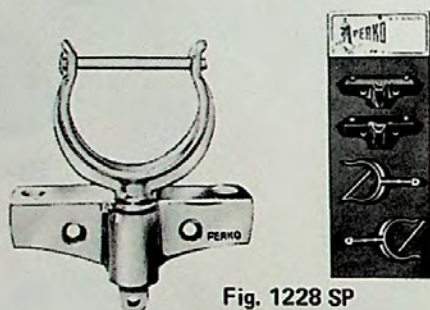


Fig. 1228 SP



### NORTH RIVER ROWLOCKS—Fig. 1228 SP

Zamak Die Casting — With Delrin Bearing in Socket Between Horns, 1-3/4 Inches

	Complete Per Pair	Dealer Package	Weight Per Package Pounds
Chromium Plated	\$6.25	6 Prs.	8-1/2

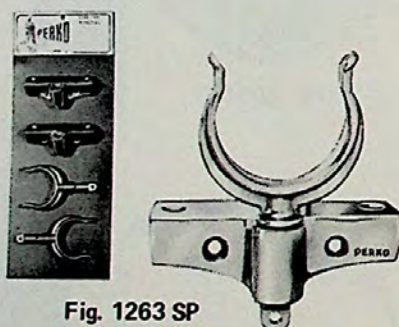


Fig. 1263 SP



### RIBBED SIDE PLATE ROWLOCKS—Fig. 1263 SP Zamak Die Castings — With Delrin Bearing in Socket Between Horns, 1-3/4 Inches

	Complete Per Pair	Dealer Package	Weight Per Package Pounds
Chromium Plated	\$6.00	6 Prs.	8

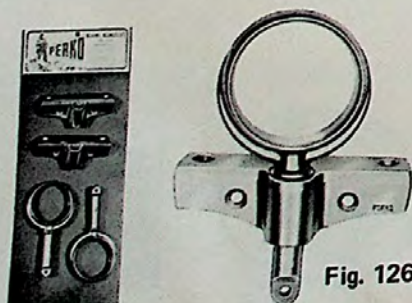


Fig. 1268 SP



### ROUND ROWLOCKS WITH FANCY SOCKET—Fig. 1268 SP

Zamak Die Castings — Delrin Bearing in Socket — Inside Diameter Horns, 2 Inches

	Complete Per Pair	Dealer Package	Weight Per Package Pounds
Chromium Plated	\$6.15	6 Prs.	8-3/4



### VINYL FISHING POLE HOLDER—Fig. 1104 SP With Brass Chromium Plated Brackets

Each	Length Overall Inches	Inside Diameter Inches	Outside Diameter Inches	Width Bracket Inches	Weight Per Package Pounds
\$5.25	9	1-3/4	2	3-1/4	6

Dealer Package 6 pieces.



### OUTRIGGER TROLLING PIN OR CLIP—Fig. 469 SP High Impact Plastic — Orange Color — Stainless Steel Eyes and Spring — All Salt Water Resistant — High Visibility

Per Pair	Dimensions Inches	Weight Per Package Pounds
\$3.60	3-1/2x1-1/2	3

Dealer Package 6 pairs.



### DECK PLATE KEY—Fig. 827 SP

Stainless Steel

Will fit various sizes of deck plates up to 3 inches.

Each	Length Overall Inches	Diameter Metal Inches	Weight Per Package Pounds
\$1.75	5-3/4	3/16	1-1/2

Dealer Package 6 pieces.



### WIND PENNANTS—Fig. 435 SP.

Adjustable Counterbalance — Aluminum Pennant — Brass Standard — Red Anodized Finish

Pennant swings and has an adjustable counterbalance should the weight of the pennant change from the application of paint or attachments of any kind.

Perfect balance makes this pennant instantly responsive to the lightest of winds.

For Mast 1 inch Diam. at Top, 5/16" Hole

Each	Size of Pennant Inches	Height Overall Inches	Weight Per Package Pounds
\$6.35	6-1/2x3	6-1/2	3

Dealer Package 6 pieces.



### TRIPLEX MOTOR BOAT WHISTLE—Fig. 167 SP

Plastic

Each	Length Overall Inches	Width Overall Inches	Weight Per Package Pounds
\$.90	6	1-3/4	1-1/2

Dealer Package 12 pieces.



Fig. 1104-SP

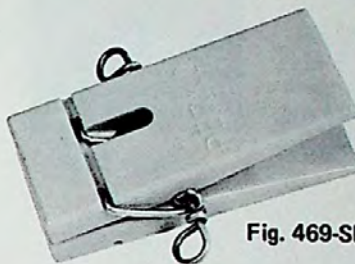


Fig. 469-SP



Fig. 827-SP

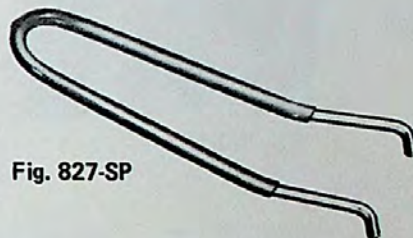


Fig. 435-SP

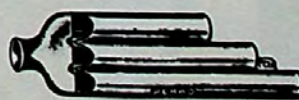


Fig. 167 SP





Fig. 776 SP



**HEAVY DUTY  
FLUSH HATCH LIFTING HANDLE—Fig. 776 SP**  
Silicon Bronze – Chromium Plated

No.	Each	Dimensions Plate Inches	Inside Handle Inches	Weight Per Package Pounds
1	\$6.30	3x2-1/4	1-3/4x1	1-1/4

Dealer Package 6 pieces.



Fig. 575 SP

**FLUSH HATCH LIFTING RING—Fig. 575 SP**  
Silicon Bronze – Chromium Plated

No recess to catch heels, chair or table legs, etc.

Each	Size Plate Inches	Inside Ring Inches	Weight Per Package Pounds
\$4.95	2x2-5/8	1	1-1/2

Dealer Package 12 pieces.



Fig. 841 SP



**FLUSH RING PULLS—Fig. 841 SP**  
Die Cast Zamak – Chromium Plated

Each	Size Plate Inches	Weight Per Package Pounds
\$2.30	1-3/4x1-3/8	1

Dealer Package 12 pieces.

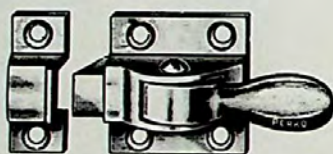
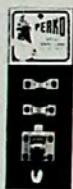


Fig. 1102 SP

**CUPBOARD CATCHES—Fig. 1102 SP**  
Die Cast Zamak – Chromium Plated

Each	Without Strike Inches	Weight Per Package Pounds
\$4.80	1-3/8x1-7/16	1

Supplied complete with flush and 3/8 inch offset strike.

Dealer Package 6 pieces.

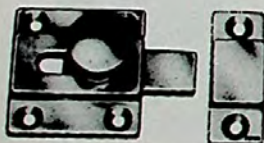


Fig. 1101 SP



**CUPBOARD BOLT—Fig. 1101 SP**  
Die Cast Zamak – Chromium Plated

Each	Without Strike Inches	Weight Per Package Pounds
\$3.10	1-1/2x1-1/2	1-1/4

Dealer Package 6 pieces.



Fig. 1216 SP

**SPRING TYPE DOOR BUTTON—Fig. 1216 SP**  
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.

Each	Plate Diameter Inches	Width Less Keeper Inches	Weight Per Package Pounds
\$2.10	1-11/16	1-3/16	1-3/4

Dealer Package 12 pieces.



### CABIN DOOR HOOKS—Fig. 1199 SP Zamak Die Castings — Chromium Plated

Each	Length Hook Inches	Weight Per Package Pounds
\$1.60	1-3/4	2

Dealer Package 12 pieces.



Fig. 1199-SP

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### SECURITY HINGED HASPS—Fig. 1198 SP Zamak Die Casting — Chromium Plated

Each	Length Closed Inches	Width Inches	Weight Per Package Pounds
\$2.80	3	1	2-1/2

Dealer Package 12 pieces.



Fig. 1198-SP



---

### ELBOW CATCHES—Fig. 1056 SP Zamak Die Casting — Chromium Plated

Each	Size Base Inches	Weight Per Package Pounds
\$2.25	1-1/8x9/16	1

Dealer Package 12 pieces.

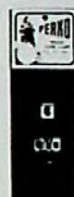


Fig. 1056-SP

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### "POLYDEL" DOOR CATCHES—Fig. 559 SP Grey Delrin Ball Stud — Polyethylene Catch — Holds Door Firmly in Place Against Vibration and Motion

Per Pair	Stud Size Inches	Catch Size Inches	Weight Per Package Pounds
\$1.05	1-1/8x3/8	1-3/8x7/8	1

Dealer Package 25 pairs.



Fig. 559-SP

---

### CUDDY DOOR HINGE—Fig. 950 SP 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 Package Pounds
\$3.90	3	1-1/2	3/16	2

Dealer Package 12 pairs.

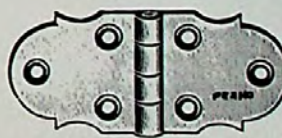


Fig. 950-SP

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### SLIDING WINDOW LOCK AND ANTI RATTLER—Fig. 937 SP Zamak Die Casting — Chromium Plated — Bakelite Knob — Plastic Tip

Per Pair	Height Overall Inches	Mounting Plate Inches	Length Screw Inches	Weight Per Package Pounds
\$4.65	1-5/8	1 x 5/8	1-1/8	2

Dealer Package 6 pairs.



Fig. 937-SP

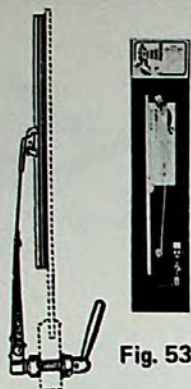


Fig. 533 SP

## HAND WINDSHIELD WIPERS—Fig. 533 SP

The arm is extensible from 9 to 12 inches, spring tension is adjustable for best wiping pressure.

No. 1 Each	Length Overall Inches	Diam. Shaft Inches	Length Handle Inches	Weight Per Package Pounds
\$9.00	15 to 18	3/8	2-3/8	2

For thickness of wood up to 1-1/8 inches.

Dealer Package 3 pieces.

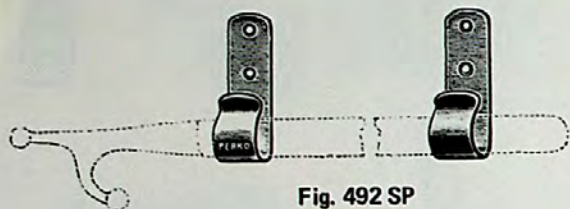


Fig. 492 SP

## BOAT HOOK HOLDERS—Fig. 492 SP

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.	Weight Per Package Pounds
\$1.80	3-1/2	1	6	3

Dealer Package 12 pairs.

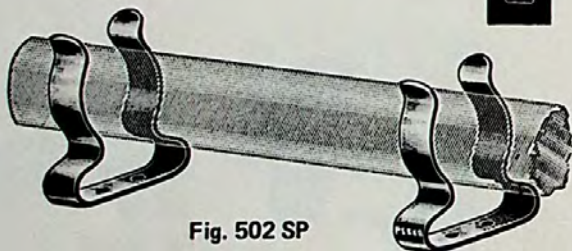
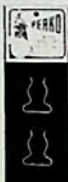
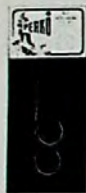


Fig. 502 SP

## "HOLDALL" SPRING CLAMPS—Fig. 502 SP

18-8 Stainless Steel — Polished

Excellent for stowing fishing rods, boat hooks, oars, swab, broom, flashlight, flagstaff, pump, etc.

No.	Per Pair	Adjustability Inches	Length From Wall Inches	Width of Metal Inches	For Screw No.	Weight Per Package Pounds
1	\$1.35	5/8 to 1-1/4	1-1/2	1/2	6	3

Dealer Package 12 pairs.

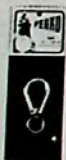


Fig. 1289 SP

## SWIVEL EYE SNAP—Fig. 1289 SP

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 Package Pounds	Dealer Package
\$1.55	5/8	3	2-1/2	12 Pcs.



Fig. 606-SP

## SAFETY MOORING HOOKS—Fig. 606 SP

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 Package Pounds
1	\$1.55	3/4	4	3/4	2-1/2

Dealer Package 12 pieces.

# PERKINS MARINE LAMP & HARDWARE CORP.

16490 NORTHWEST 13TH AVENUE • P.O. BOX D • MIAMI, FLORIDA 33164

**PERKO**

Booklet 215-C

**ACRY  
COLOR**

**BOAT EQUIPMENT**



**MANUFACTURED BY**

**PERKINS MARINE LAMP & HDWE CORP**

**16490 N.W. 13th AVE.**

**P.O. BOX D. MIAMI FLA. 33164**

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## COMBINATION BOW LIGHT

### THE "FUTURA"

Zamak Die Casting – Acry-Color Finish  
 Red and Green Fresnel Lenses  
 Delrin Non-Corrosive D. C. Electric Socket  
 Complete with 12 Volt 6 C. P. Bulb  
 Wired Ready for Splicing



Fig. 1215 BK – Black  
 Fig. 1215 BR – Royal Bronze  
 Fig. 1215 GD – Gold

Height Inches	Width Inches	Length Inches	Staff Socket Inches	Weight Pounds
2-3/8	3-3/4	5-1/2	3/4	1-1/4

Each \$5.75

Spare Lenses, Specify Fig. 251, \$1.05 Each.



## BOW FLAG STAFF

For Above Combination Bow Light

Zamak Die Casting – Acry-Color Finish  
 Ultra Modern Dynaform Taper Design.

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

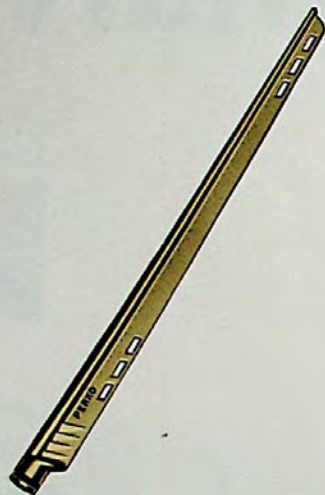


Fig. 1230 BK – Black  
 Fig. 1230 BR – Royal Bronze  
 Fig. 1230 GD – Gold

Length Overall Inches	Diameter Base Inches	Weight Ounces
14	3/4	8

Each \$2.50



## STERN POLE LIGHTS

Acry-Color Finish

High Intensity Fresnel Globe.  
 Zamak Die Cast Base and Globe Holder.  
 Aluminum Pole, 3/4 inch Diameter.  
 Delrin Non-corrosive D. C. Socket.  
 Wired – With 12 Volt 6 C. P. Bulb.

Base – Length 3-3/4" Width 2-1/8"



Fig. 1233 BK – Black  
 Fig. 1233 BR – Royal Bronze  
 Fig. 1233 GD – Gold

Size No.	Maximum Length Inches	Each	Weight Pounds
1	20	\$6.50	1-1/8
2	24	6.90	1-1/4
3	30	7.50	1-1/2
4	36	8.10	1-3/4

Spare Globes, See Fig. 248-P

Spare Electric Sockets, \$1.25 Each.





## INTERNATIONAL NAVIGATION LIGHTS

ZAMAK DIE CASTINGS — ACRY-COLOR FINISH  
DOUBLE CONTACT BAYONET TYPE ELECTRIC SOCKETS  
WATERTIGHT

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.

### SIDE LIGHTS

10 Points — 112-1/2 Degrees  
Colored Lenses 1 Red and 1 Green

Length Overall Inches	Width Overall Inches	Height Lens Inches	Diameter Neck Inches	Length Neck Inches	Weight Pounds
4-7/8	2-5/8	2-1/8	7/8	1-3/16	2-1/4

Per Pair \$8.50



Fig. 1278 BK — Black  
Fig. 1278 BR — Royal Bronze  
Fig. 1278 GD — Gold

### BOW OR MASTHEAD LIGHT

20 Points — 225 Degrees — Clear Lens

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

Each \$4.50



Fig. 1279 BK — Black  
Fig. 1279 BR — Royal Bronze  
Fig. 1279 GD — Gold

### STERN LIGHT

12 Points — 135 Degrees — Clear Lens

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

Each \$4.50



Fig. 1280 BK — Black  
Fig. 1280 BR — Royal Bronze  
Fig. 1280 GD — Gold

### ANCHOR OR RANGE LIGHT

32 Points — 360 Degrees — Clear Lens

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

Each \$4.00



Fig. 1281 BK — Black  
Fig. 1281 BR — Royal Bronze  
Fig. 1281 GD — Gold

Spare globes — Clear, Red or Green Fig. 186-P \$1.00 each.  
Spare D.C. Sockets Fig. 52, \$.60 each.

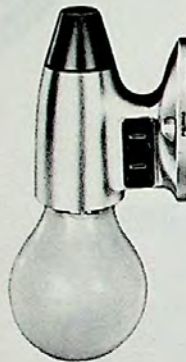


## ELECTRIC CABIN FIXTURES

All Voltages To 110



Fig. 1274 BK – Black  
Fig. 1274 BR – Royal Bronze  
Fig. 1274 GD – Gold



### NEW BULKHEAD FIXTURE

Zamak Die Casting – Acry-Color Finish  
Medium Screw Socket – Turn Switch

Size Base Inches	Projection Inches	Weight Ounces
2-1/2x1-3/4	2-5/8	10

Each \$2.75



### NEW BULKHEAD FIXTURE

Zamak Die Casting – Acry-Color Finish  
With Power Take-off Receptacle  
Medium Screw Socket – Turn Switch

Size Base Inches	Projection Inches	Weight Ounces
2-1/2x1-3/4	2-5/8	10

Each \$3.25

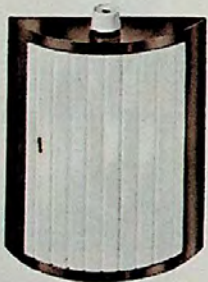


Fig. 1272 BK – Black  
Fig. 1272 BR – Royal Bronze  
Fig. 1272 GD – Gold



### NEW BULKHEAD OR CEILING FIXTURE

Zamak Die Casting – Acry-Color Finish  
White Plastic Globe  
Two D. C. Bayonet Sockets – Turn Switch

Length Inches	Width Inches	Depth Inches	Weight Ounces
5-1/2	4-1/2	1-1/2	12

Each \$5.30



Fig. 1212 BK – Black  
Fig. 1212 BR – Royal Bronze  
Fig. 1212 GD – Gold



Fig. 217 BK – Black  
Fig. 217 BR – Royal Bronze  
Fig. 217 GD – Gold

### STREAMLINE PATTERN

Zamak Die Casting – Acry-Color Finish  
Medium Screw Socket – Turn Switch

Size Base Inches	Projection Inches	Weight Ounces
2-1/2x2-1/4	2-1/2	8

Each \$2.00

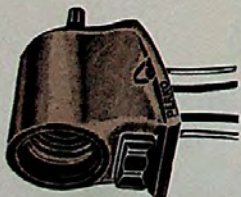


Fig. 1295 BK – Black  
Fig. 1295 BR – Royal Bronze  
Fig. 1295 GD – Gold

### STREAMLINE PATTERN

Zamak Die Casting – Acry-Color Finish  
With Power Takeoff Receptacle for Electric Razor and  
Appliances – Turn Switch

Size Base Inches	Projection Inches	Weight Ounces
2-1/2x2-1/4	2-1/2	8-1/2

Each \$2.50



### CABIN FIXTURE

Aluminum – Acry-Color 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
\$7.25	6	6	3-1/4	6



### ADJUSTABLE BERTH LIGHT

Aluminum – Acry-Color Finish – Push Switch in Wall Plate – Adjustable Angle.

With metal shade for directional light or with translucent white plastic shade for diffused light.

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

No.	Fig. 341 Each	Fig. 372 Each	Normal Projection Inches	Diameter Wall Plate Inches	Weight Ounces
1	\$ 9.50	\$8.50	4-1/4	3-5/16	5-1/2
2	10.75	9.75	4-3/4	3-5/16	7



### DOUBLE ADJUSTABLE BERTH LIGHT

Aluminum – Acry-Color Finish.

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

No. 1 has two bayonet double contact sockets. No. 2 has two medium screw sockets.

No.	Each	Height Overall Inches	Normal Projection Inches	Diameter Wall Plate Inches	Weight Ounces
1	\$15.00	5-1/2	4	3-3/8	10-1/2
2	16.25	7	4-3/4	3-5/8	13



### FLUSH TYPE DOME LIGHTS

Aluminum – Acry-Color Finish – With Switch – With Fig. 257 Globe – Double Contact Socket.

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

No.	Diameter Glass Inches	Each	Diameter Overall Inches	Depth Above Flange Inches	Depth Below Flange Inches	Weight Ounces
1	4	\$5.75	4-1/2	3/4	1-1/4	7
2	5	6.25	5-1/2	3/4	1-1/2	9



### DOME LIGHTS

Aluminum – Acry-Color Finish – With Push Switch – With Fig. 257 Globe – Double Contact Socket.

No.	Diameter Glass Inches	Each	Diameter Overall Inches	Depth Overall Inches	Weight Ounces
1	4	\$6.00	5-3/8	1-7/8	9
2	5	6.50	6-1/2	2	11



Fig. 370 BK - Black  
Fig. 370 BR - Royal Bronze  
Fig. 370 GD - Gold



Fig. 341 With Metal Shade  
Fig. 372 With Plastic Shade  
Add BK – For Black  
Add BR – For Royal Bronze  
Add GD – For Gold



Fig. 354 BK  
Fig. 354 BR  
Fig. 354 GD  
SEE ABOVE



Fig. 308 BK - Black  
Fig. 308 BR - Royal Bronze  
Fig. 308 GD - Gold



Fig. 300 BK - Black  
Fig. 300 BR - Royal Bronze  
Fig. 300 GD - Gold



## SHELL TYPE VENTILATORS

Zamak Die Castings — Acry-Color Finish.

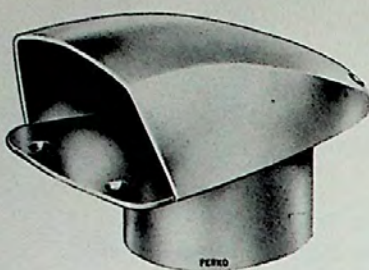


Fig. 870 BK — Black  
Fig. 870 BR — Royal Bronze  
Fig. 870 GD — Gold

### Dimensions

Size No.	For I.D. Duct Inches	Mouth Opening Square Inches	Length Overall Inches	Width Overall Inches	Average Weight Ounces
1	2-1/2	5	5-1/8	3-7/8	22
2	3	7	5-1/8	3-7/8	25

No. 1 — Each \$3.00

No. 2 — Each 3.25



## TRANSOM OR LOCKER VENTILATOR

Zamak Die Casting — Acry-Color Finish —  
With Grill Type Screen



Fig. 1238 BK — Black  
Fig. 1238 BR — Royal Bronze  
Fig. 1238 GD — Gold

Each	Dimensions Inches	For Screw No.	Weight Ounces
\$1.30	8-3/8 x 2-1/4	8	3



## STEP PLATES

Zamak Die Casting — Acry-Color Finish —  
With White Moulded Step Pads

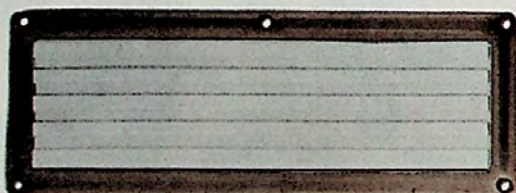


Fig. 1225 BK — Black  
Fig. 1225 BR — Royal Bronze  
Fig. 1225 GD — Gold

No.	Complete Each	Overall Dimensions Inches	For Screw No.	Weight Ounces
0	\$1.40	8-3/8x2-1/4	8	5
1	1.80	8-3/4x3-1/4	8	8



NEW

## FISHING ROD HOLDER

Zamak Die Castings — Acry-Color Finish.

For mounting in covering board or catwalk. Has white polyvinyl liner.



Fig. 1205 BK — Black  
Fig. 1205 WH — White

Inside Diameter Inches	Length Overall Inches	Flange Dimensions Inches	Weight Pounds
1-5/8	9	4x3-1/8	1-1/2

Each \$5.75



### BUTT HINGES—

Zamak Die Castings — Acry-Color Finish  
Stainless Steel Removable Pin and Nylon Spacers —  
Smooth Operation

No.	Per Pair	Size Open Inches	For Screw No.	Weight Per Pair Ounces
1	\$2.00	1-1/2x1-1/2	8	2
2	2.15	2 x1-1/2	8	2-1/2
3	2.25	2 x2	8	3
4	2.30	2-1/2x2	8	4-1/2
5	3.00	2-1/2x2-1/2	8	5
6	3.35	3 x3	10	7-1/2

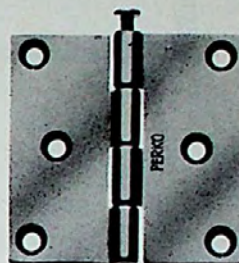


Fig. 1293 BK — Black  
Fig. 1293 BR — Royal Bronze  
Fig. 1293 GD — Gold

### CUDDY DOOR HINGES—

Zamak Die Castings — Acry-Color Finish  
With Stainless Steel Pins

Per Pair	Length Open Inches	Extreme Width Inches	For Screw No.	Weight Per Pair Ounces
\$2.60	3	1-1/2	8	3-1/2



Fig. 808 BK — Black  
Fig. 808 BR — Royal Bronze  
Fig. 808 GD — Gold

### NEW

### HEAVY DUTY CABINET HINGES—

Zamak Die Castings — Acry-Color Finish  
Surface Type — 18-8 Stainless Steel Pin

No.	Length Open Inches	Per Pair	Width Inches	For Screw No.	Weight Per Pair Ounces
1	2-1/4	\$2.60	1-1/2	8	3-1/2

Dimension "A" — 9/16"



Fig. 1213 BK — Black  
Fig. 1213 BR — Royal Bronze  
Fig. 1213 GD — Gold

### NEW

### HEAVY DUTY CABINET HINGES—

Zamak Die Castings — Acry-Color Finish  
18-8 Stainless Steel Pin — 3/8" Offset Type

No.	Length Open Inches	Per Pair	Width Inches	For Screw No.	Weight Per Pair Ounces
1	2-1/4	\$2.60	1-1/2	8	4

Dimension "A" — 11/16"

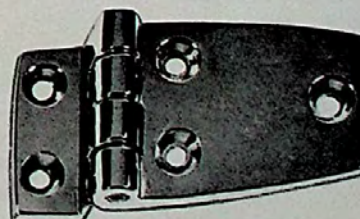


Fig. 1214 BK — Black  
Fig. 1214 BR — Royal Bronze  
Fig. 1214 GD — Gold

## THE ACRY-COLOR ELECTROSTATIC PROCESS

"PERKO" products pass through a five stage cleaning and preparation process before coating.

"PERKO" Acry-Color products are coated with a Thermo-Setting Acrylic which after exhaustive and lengthy tests proved to be the best for exposed marine fittings.

The following table shows how the general properties of Thermo-Setting Acrylic with Polymer additives compares with those of vinyl, alkyd-amines, epoxies.

IN THE FOLLOWING EVALUATION, 10 IS BEST AND 0 IS COMPLETE FAILURE.

	Thermo Setting Acrylic	Vinyl	Alkyd Amines	Epoxies
Gloss	10-90	10-85	10-90	10-90
Adhesion	10	7	10	10
Adhesion on Aging	10	4	10	10
<b><u>Durability</u></b>				
Chalking	9	8	5	—
Checking	10	10	8	10
Salt Spray—1500 hours	10	Note #1	Note #2	8
Humidity—1500 hours	10	Note #1	Note #2	8
Color Stability Exposure	10	8	9	5
Color Stability — High Bakes or Over Bakes	10	2	5	2
<b><u>Chemical Resistance</u></b>				
Alkali	10	9	2	10
Acids	10	10	7	7
Coverage — Sq. Ft. at 1 Mil	450-685	400-470	450-650	450-650
Baking Ranges 40 sec. to 120 sec.	430-575°F	400-450°F	450-550°F	400-500°F
Plasticizer Migration Possibility	10	7	10	10
Mar Resistance	9	9	8	8
Dirt Collection	9	5	7	7
Impact Resistance Initial	10	10	7	8
After Aging	10	10	7	7

**Note #1:** The vinyl types, particularly the gloss awning materials often show severe loss of gloss and blistering upon extended salt spray or humidity testing. Many times definite loss of adhesion is encountered.

**Note #2:** The alkyd amine types tend to open up on fabricated bends upon extended salt spray and humidity tests.



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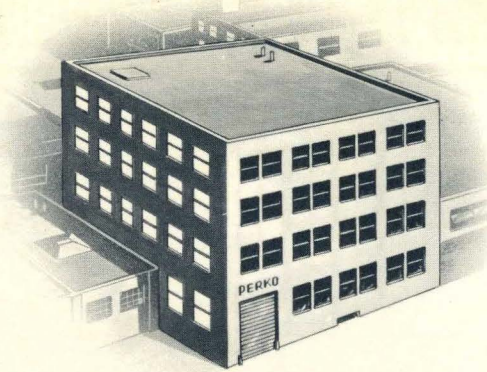






# PERKO

## 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.

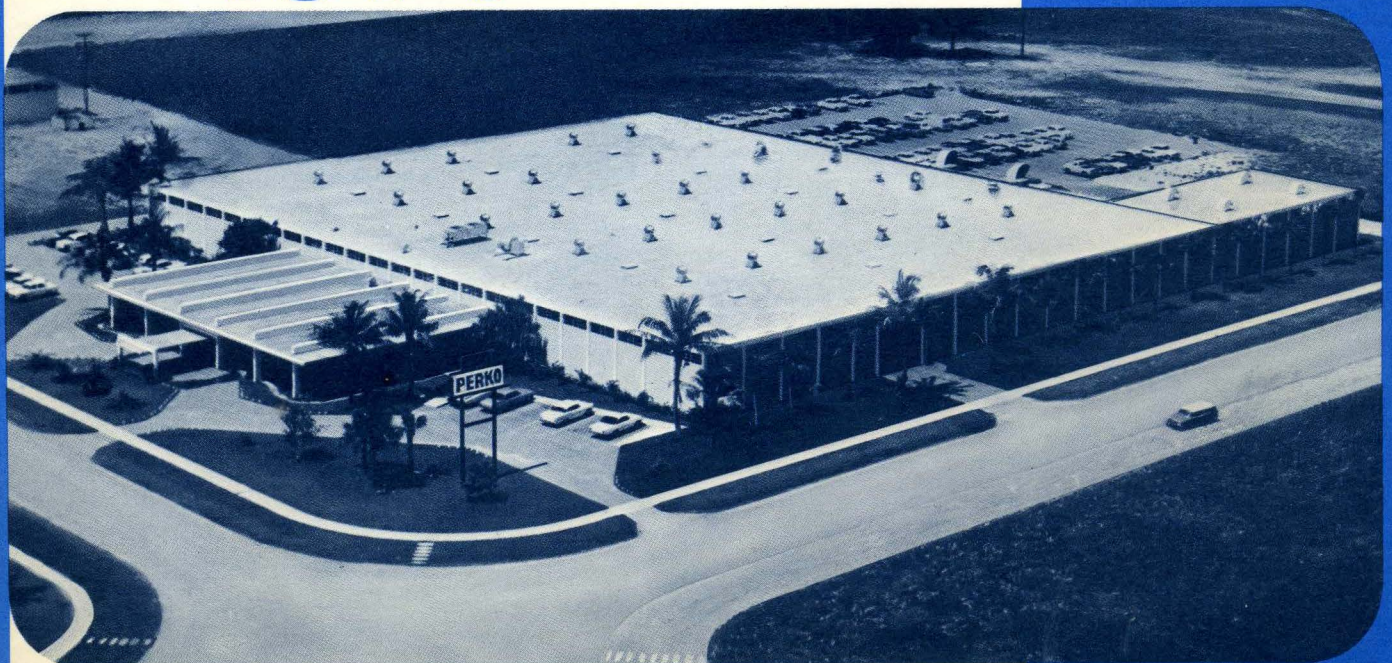
At this point the surviving Co-Founder, Louis Perkins, decided to move the entire operations to its present facility in Miami, Florida. He coordinated and supervised the monumental relocation and played a vital role in planning the highly efficient plant layout.

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.

The original area of the plant in Miami in 1961 was 90,000 square feet. The total enclosed area is now 147,000 square feet, which includes a 42,000 square foot addition just completed to improve service and quality.

## 1971



Frederick Perkins

**CO-FOUNDERS**

Louis E. Perkins



**PERKO**