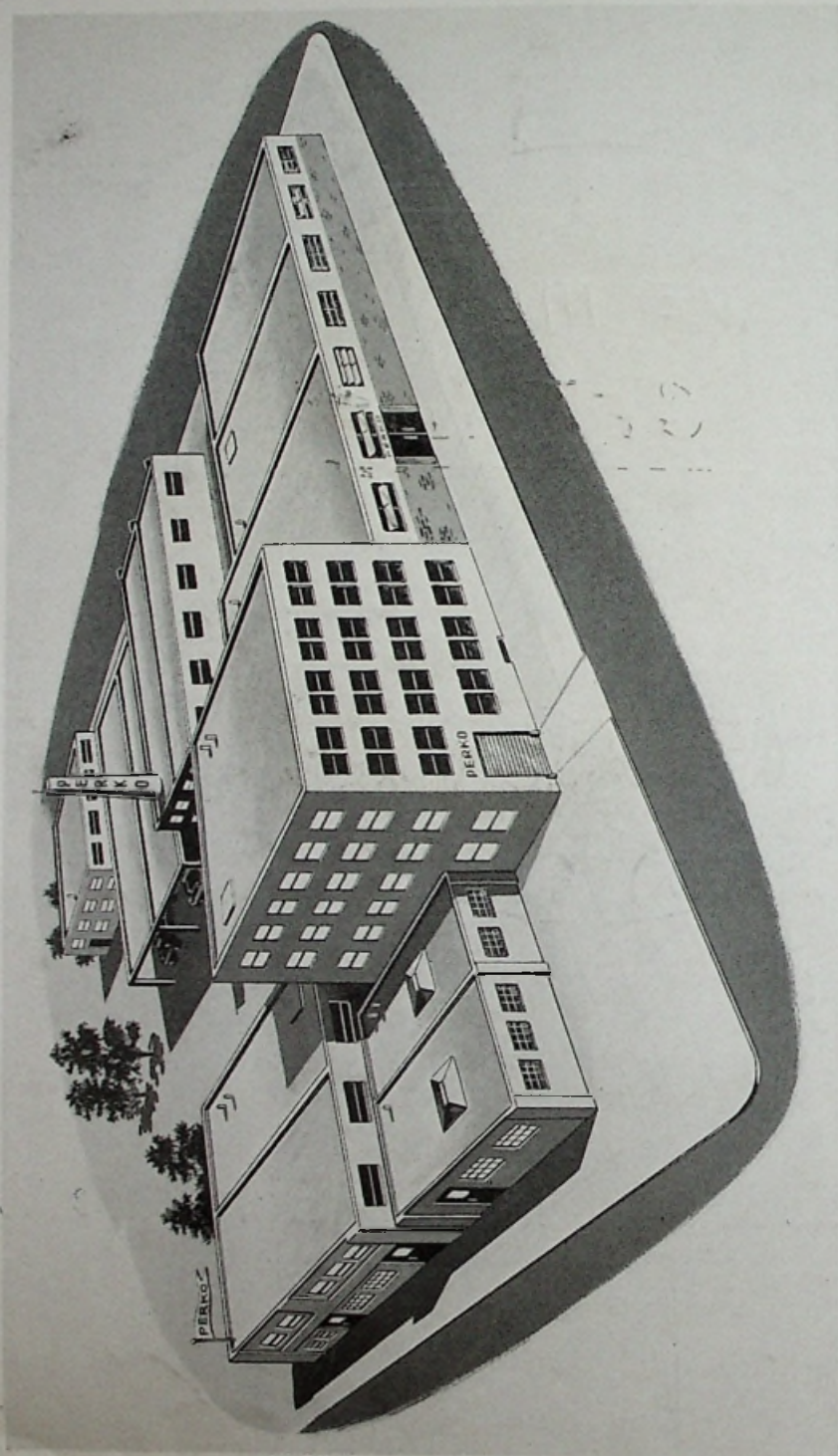


PERIKO



Perkins Marine Lamp & Hardware Corp.

BROOKLYN 7, NEW YORK



THE "PERKO" MAIN OFFICE AND PLANT IN BROOKLYN, NEW YORK. The building on the extreme right is a new addition recently completed, several other buildings are now in process of construction to increase our production and service facilities.

PERKINS MARINE LAMP AND HARDWARE CORP.

(ESTABLISHED 1907 — INCORPORATED 1917)

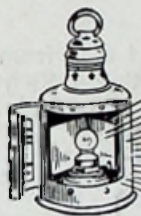
1943 Pitkin Ave., Brooklyn 7, N. Y.

157 Snediker Ave., Brooklyn 7, N. Y.

Telephone - Dlckens 2-1920

Manufacturers of

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



REG. TRADE MARK

Catalog No. 160 1958

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FOREWORD AND GENERAL INFORMATION

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

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

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

PRICES AND TERMS

Our costs are subject to change due to causes beyond our control. The prices listed herein are only intended for guidance of our jobbers and do not necessarily establish resale prices. Applicable governmental regulations, shipping costs and other complications must be considered in arriving at a fair price. I.E. In areas west of the Mississippi, prices are generally 10% to 15% higher because of the heavy shipping cost involved. All prices are subject to change without notice and are F.O.B. New York, unless quoted otherwise. Terms are 30 days net; 2% if payment is sent 10 days from date of invoice.

GUARANTEE

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

RETURN GOODS

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

WEIGHTS

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

RATING

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

SHIPPING INSTRUCTIONS

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

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The **PERKO** Plant

Manufacturers of

QUALITY

MARINE EQUIPMENT



Section of Shipping Dept., experienced in handling large volume of traffic efficiently.



A view of Perkins' Machine Shop, with latest equipment operated by expert craftsmen.

Polishing and Grinding Dept. responsible for Perkins' high quality standards.



Tinsmith Dept., which produces Perko ship lights, searchlights, etc.



Part of Plating Dept., which produces Perkins fine finishes.



Partial view of Sheet Metal Press Dept., equipped to handle any job.





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PRESIDENT



FREDERICK PERKINS
FOUNDER



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



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book*



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6/27/58
 1274 O.F.L.
 1275 F.P.F. to trade F.N.N. to BB.
 1276 - O.B.F. 10"

6 Perkins Marine Lamp & Hardware Corp.



The "Aristocrat" Combination BOW LIGHT

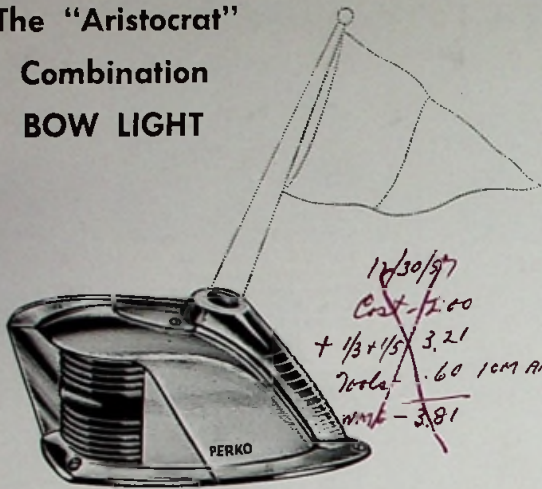


Fig. 1274

Has removable rebulbing feature and angle flag pole socket.

Red and green glass fresnel lenses and double contact electric socket.

Each	Height Inches	Size Base Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
\$9.50	3 $\frac{3}{8}$	7 $\frac{1}{4}$ x3 $\frac{3}{8}$	2 $\frac{1}{8}$	$\frac{3}{4}$	1 $\frac{1}{2}$

Standard Package, 12*

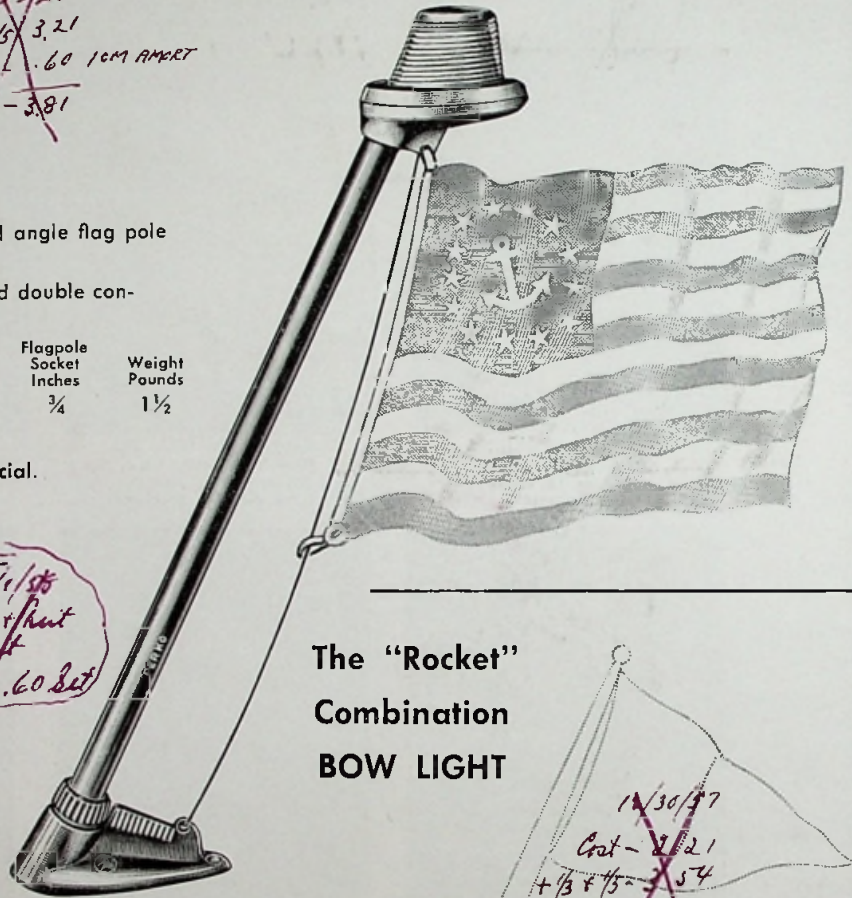
Spare Lenses see Fig. 259, Class A Special.

Spare Electric Socket \$.75 each.

12/30/57
 Cost - 1.00
 + 1/3 x 1/5 = 3.21
 Tools - .60 10M AMERT
 WMC - 3.81

NEW PERKO DESIGNS FOR 1958

CHROMIUM PLATED ZAMAK
 DIE CASTINGS



The "Rocket" Combination BOW LIGHT

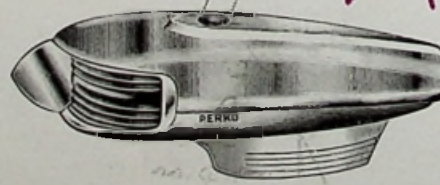


Fig. 1275

This light is rebulbed by removing one screw inside flag pole socket, raising top half of body to expose interior.

Has red and green glass fresnel lenses, double contact electric socket and angle flag pole socket.

Each	Height Inches	Length Overall Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
\$10.25	3 $\frac{1}{2}$	9 $\frac{3}{4}$	1 $\frac{1}{2}$	$\frac{3}{4}$	2

Standard Package, 12*

Spare lenses see Fig. 259, Class A rocket

Spare electric socket \$.75 each.

12/30/57
 Cost - 1.21
 + 1/3 x 1/5 = 3.54
 Tools - .60 - 10M AMERT
 WMC 4.14

The "Tru-Beam" Stern

POLE LIGHT

6/18/58
 Base & pint
 cost
 Subst. .60 set

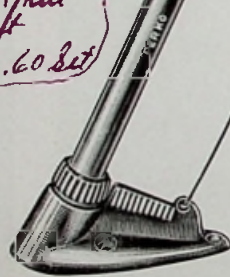


Fig. 1276

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

The knurled nut on the base permits adjusting the height of the light down to 4 $\frac{3}{8}$ inches.

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

No.	Maximum Length Inches	Each	Diameter Pole Inches	Dimensions Base Inches	Weight Pounds
1	20	\$11.25	$\frac{3}{4}$	4 $\frac{5}{8}$ x1 $\frac{3}{4}$	1 $\frac{1}{8}$
2	24	11.50	$\frac{3}{4}$	4 $\frac{5}{8}$ x1 $\frac{3}{4}$	1 $\frac{3}{8}$
3	30	11.75	$\frac{3}{4}$	4 $\frac{5}{8}$ x1 $\frac{3}{4}$	1 $\frac{3}{4}$
4	36	12.00	$\frac{3}{4}$	4 $\frac{5}{8}$ x1 $\frac{3}{4}$	2

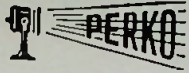
Standard Package, 12*

Spare Globes, see Fig. 281.

Spare Electric Sockets, \$.85 each.

12/30/57
 Cost - 2.59
 1/3 x 1/5 = 4.15
 Tools - .60 - 10M AMERT
 MGI - 4.59

Bal as is



Streamline Combination BOW LIGHTS

FOR OUTBOARD MOTOR BOATS AND SMALL RUNABOUTS

Heavy Gauge Wrought Brass

WITH REBULBING FEATURE AND FLAG POLE SOCKET

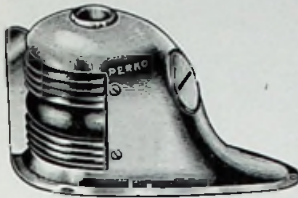


Fig. 1140

Complete with red and green fresnel lenses and double contact electric socket.

Height Inches	Base Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
3 1/4	3 3/4 x 6 1/4	2 5/16	3/4	1
Polished Brass Each	Chromium Plated Each	Spare Lenses Each	Spare Sockets Each	
\$9.75 <i>9.25</i>	\$10.75 <i>9.95</i>	\$1.70	\$.60	

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

Spare Lenses, see Fig. 259, Class A Standard.

Spare Rebulbing Feature Complete, Polished \$2.50, Chrome \$3.00 Each.



Rear view showing method of changing bulb

Zamak Die Casting

WITH REBULBING FEATURE AND FLAG POLE SOCKET

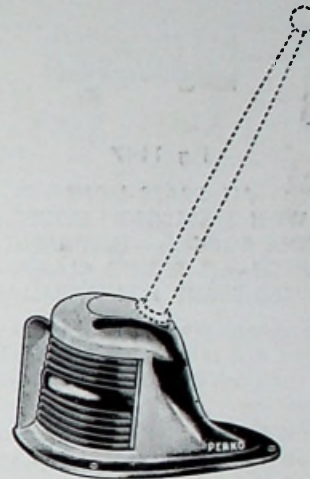


Fig. 1232

Complete with red and green fresnel lenses and double contact electric socket.

Chromium Plated Each	Height Inches	Size Base Inches	Height Lens Inches	Flag Pole Socket Inches	Weight Pounds
\$7.00 <i>6.85</i>	3 1/4	6 1/4 x 3 7/8	2 5/16	3/4	1

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

WITHOUT REBULBING FEATURE OR FLAG POLE SOCKET

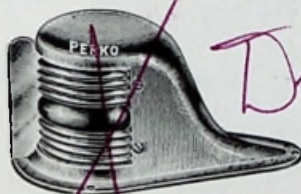


Fig. 1140-A

With red and green fresnel lenses and double contact electric socket. All brass body.

Dimensions and spares same as Fig. 1140 above.

Chromium plated, Each \$9.75.

"Little Joe"

ZAMAK DIE CASTING — CHROMIUM PLATED

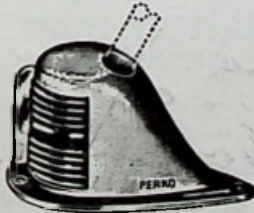


Fig. 1146

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

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

Spare Miniature Bayonet Socket, Each \$.55.

Spare Lenses, see Fig. 259 Class A—L.J. Each \$1.10.

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

SELF CONTAINED BATTERY TYPE WITH FLAG POLE SOCKET AND SWITCH FOR SINGLE CELL FLASHLIGHT BATTERY

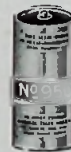


Fig. 1236

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

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

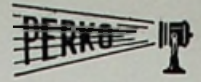
Chromium Plated Each	Height Inches	Size Base Inches	Height Lens Inches	Flag Pole Socket Inches	Weight Pounds
\$9.75	3 1/4	6 1/4 x 3 7/8	2 5/16	3/4	1 1/4

Spare Lenses, See Fig. 259, Class A Special.

Spare Miniature Bayonet Socket and Switch Assembly for Fig. 1236, \$1.25 each.

7/21/58
W.M.G. R.1B
See cost book
INC. BOX AND
12 Volt 6 E.P. Bulb

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Brass "2 in 1" Combination BOW LIGHT

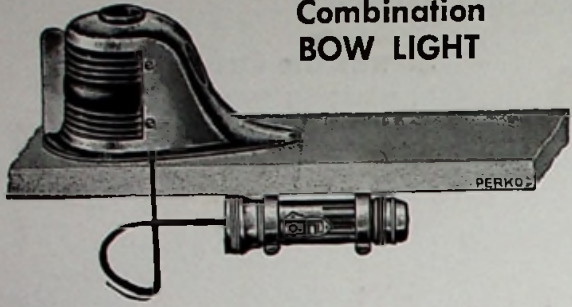


Fig 1147

ALL BRASS LIGHT WITH REBULBING FEATURE FLAG POLE SOCKET — FLASHLIGHT CASE WITH SWITCH — 2 SPRING CLAMPS — BULB ALL WIRED READY FOR INSTALLATION

In addition to a very practical and attractive navigation light, the user has a 2 cell flashlight available and handy at all times as the flashlight case is complete with reflector for light projection.

Supplied with 4 feet of wire to permit location of flashlight case at most convenient spot. Lamp socket is miniature screw type.

Batteries are not included.

Height Light Inches	Base Light Inches	Height Lens Inches	Flag Pole Socket Inches	Weight Pounds
3 3/4	3 3/4 x 6 1/4	2 1/8	3/4	1 1/2
Chromium Plated Each		Spare Lenses Each		Spare Bulbs Each
\$15.00		\$1.70		\$.25

Zamak "2 in 1" Combination BOW LIGHT

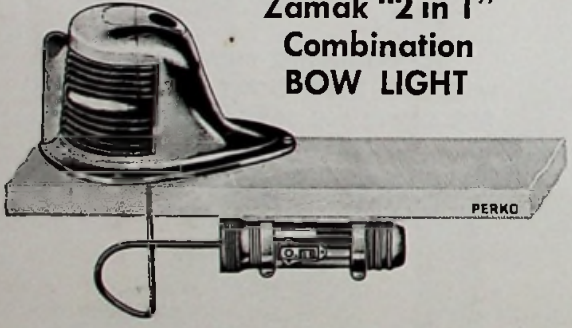


Fig. 1235

ZAMAK DIE CASTING — CHROMIUM PLATED WITH REBULBING FEATURE FLAG POLE SOCKET — FLASHLIGHT CASE WITH SWITCH — 2 SPRING CLAMPS — BULB ALL WIRED READY FOR INSTALLATION

Supplied with 4 feet of wire to permit location of flashlight case at most convenient spot. Lamp socket is miniature screw type.

Batteries are not included.

Chromium Plated Each	Height Light Inches	Base Light Inches	Height Lens Inches	Flag Pole Socket Inches	Weight Pounds
\$11.25	3 3/4	6 1/4 x 3 3/8	2 3/8	3/4	1 1/2

Spare Lenses for Fig. 1147 see Fig. 259 Class A Std.
Spare Lenses for Fig. 1235 see Fig. 259 Class A Spec.

"Little Joe 2 in 1" Combination BOW LIGHT

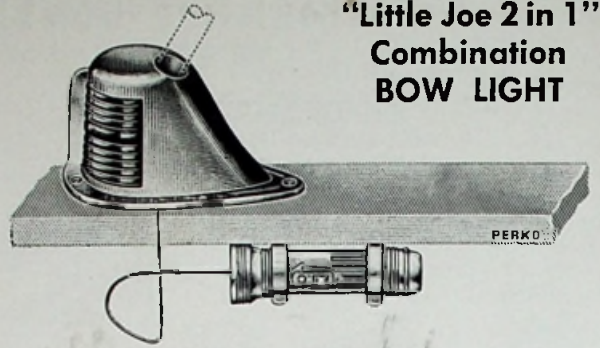


Fig. 1247

ZAMAK DIE CASTING — CHROMIUM PLATED WITH FLAG POLE SOCKET — FLASHLIGHT CASE WITH SWITCH — 2 SPRING CLAMPS BULB—WIRED READY FOR INSTALLATION

See Figs. 1146 and 1147 for details, dimensions, spare parts, etc.

Chromium Plated Each	Height Light Inches	Base Light Inches	Height Lens Inches	F. P. Socket Inches	Weight Ounces
\$8.50	2 1/4	4 1/2 x 2 3/8	1 3/8	1/2	15

Cruiser Combination BOW LIGHT HEAVY GAUGE WROUGHT BRASS WITH REBULBING FEATURE AND F. P. SOCKET

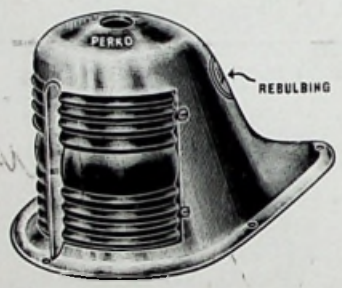


Fig. 1141

Polished Brass Each	Chromium Plated Each	Height Inches	Base Inches	Height Lens Inches	F. P. Socket Inches	Weight Pounds
\$14.00	\$16.50	5 1/8	5 5/8 x 9 1/2	4 1/4	1	2
Spare Lenses, Each \$3.45.				7		
Spare D.C. Sockets, see Fig. 747 No. 5 Each, \$6.00.				90		
Spare Rebulbing Feature Complete, Polished Each, \$2.50.						
Chromium Plated, Each, \$3.00.						

"2 in 1" BATTERY LIGHT ASSEMBLY CHROMIUM PLATED

Exst Comb
7 1/2 Case - 57.00 ea
Cable - 18.00 ea
Inches - 4.82
Clips - 10.00 ea
Bulb - 4.05 ea

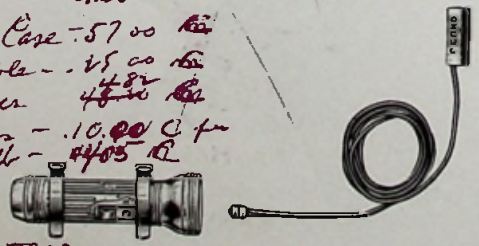


Fig. 1149

No.	Complete Per Set	*Cable only	Length Socket Inches	Length Cable Inches	For Type Light
1	\$4.25/ea	\$1.20	30 5/8	48	Comb. Bow
2	4.25/ea	1.30	30 1 1/8	48	Stern Pole

*Cable only, complete with Plug and Socket.



"International" LIGHTS
FOR SMALL BOATS

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.

The following lights meet these requirements. They are watertight and adjustable to various heights. They may be pushed down out of the way for daylight cruising.

20 POINT BOW LIGHT

12 POINT STERN LIGHT

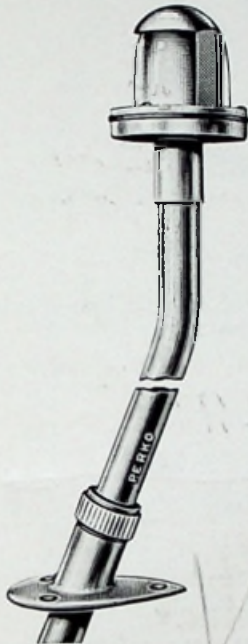


Fig. 1282

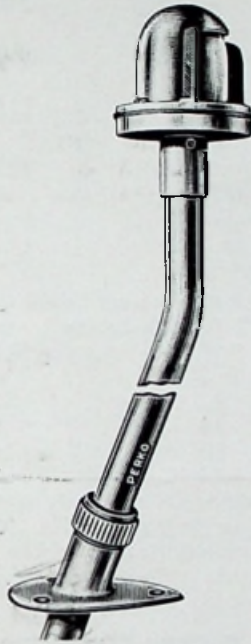


Fig. 1283

Visibility 3 miles with 6 C. P. bulb. Standard maximum height is 36 inches but can be supplied in special heights to order.

Cable enclosed in hollow tube, pole is entirely removable if desired.

Zamak Chromium Plated Each	Bronze Chromium Plated Each	Height Lens Inches	Dimensions Base Inches	Bronze Weight Pounds
\$13.00	\$20.00	2 1/8	3 3/8 x 2 1/4	2 3/4

Outboard Combination BOW LIGHT
WROUGHT BRASS



Fig. 485

Complete with red and green Fresnel lenses and double contact electric socket.

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

Boat TRAILER LIGHT

CHROMIUM PLATED
2 CELL FLASHLIGHT CASE
RED SHATTER-PROOF LENS
ADJUSTABLE SCREW TYPE CLAMP



Fig. 143

*TSOC
1.25
6/6/58*

Each	Length Overall Inches	Opening In Clamp Inches	Weight Ounces
\$3.95	8 3/4	2 7/8	13

Price includes bulb, no batteries.

"Sport Kit" LIGHTS

FLASHLIGHT BATTERY TYPE — 2 CELL
CHROMIUM PLATED



Fig. 1142

Comb. Bow Light



Fig. 1143

Stern Light

Designed for small craft such as rowboats, canoes, dinghys, etc., when an outboard motor is attached. Lights are required by law in such cases.

Height Overall Inches Fig. 1142	Height Overall Inches Fig. 1143	Diam. Stem Inches	Height Lens Inches Fig. 1142	Size Globe Inches Fig. 1143	Weight Each Pounds
13 3/4	20	5/8	2 3/8	1 3/8	1

Fig. 1142 Each

~~\$12.00~~ 10.00

Fig. 1143 Each

~~\$10.50~~ 8.25

Extra Bulbs Each \$.25

Clearance in clamp is 1 3/8 inches.
Price includes one bulb in each light, no batteries.

SPARE PARTS

Lenses for Fig. 1142	Each	\$1.70
Globe for Fig. 1143 with Ferrule	Each	2.00
Head with lenses for Fig. 1142	Each	4.25
Battery container only	Each	3.75
Clamp only	Each	4.25



2 1/2 OR 3 INCH GLOBE, FIG. 250 OR 251
COMPLETE WITH FLAG POLE SOCKET AND
ELECTRIC CONNECTIONS IN POLE AND SOCKET
HOLLOW MAHOGANY POLE — VARNISHED



**Improved
POLE
LIGHT
ASSEMBLY**



With vertical ribbed globe (illustrated) specify Fig. 531-A and deduct \$.25 each.

Fig. 531

Insert pole in socket and electric connection is complete. No wires exposed, no springs to corrode. A real positive hook-up, unaffected by water or corrosion.

Pole may remain in socket at all times, no switch necessary. Female part of connector in base of pole has four holes, two for "on" position, two for "off" position. Male part of connector in flag pole socket has two prongs (no springs). To light, loosen thumb screw, lift pole, give half turn and reset. To disconnect, reverse operation.

Length Pole Inches	Chromium Plated Each	Diam. Base of Pole Inches	Weight Pounds
24	\$18.25	1 1/4	2
30	19.25	1 1/4	2 1/8
36	20.25	1 1/4	2 1/4
48	21.25	1 1/4	3

- Spare clear globes Each \$1.90
- Spare electric bulb sockets Fig. 747, No. 2 . . Each .60
- Electric connectors only (male & female) . . . per set 1.20
- Complete except F. P. socket, deduct Each 2.00
- With Red or Green globe, add Each .60
- Furnished with 2 1/2 inch globe unless otherwise specified.

HIGH INTENSITY
COMPLETE WITH SOCKET AND ELECTRIC
CONNECTIONS IN POLE AND SOCKET
MAHOGANY POLE — CAST BRONZE SOCKET



**Junior
POLE
LIGHT
ASSEMBLY**

*Sell out
Duct
20%*

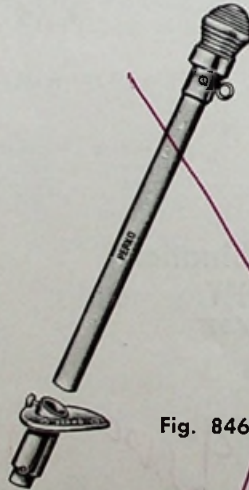
Fig. 1145

Wired through hollow center of pole. Globe will take a 6 C. P. bulb, double contact. Base of pole is 1 inch.

Length Pole Inches	Chromium Plated Each	Weight Pounds
20	\$15.50	1
24	16.25	1 1/8
30	17.25	1 1/4
36	18.25	1 1/2

- Complete except F. P. socket, deduct Each \$1.00
- Spare clear globes Fig. 604 Each 1.35
- Spare electric bulb sockets, Fig. 747, No. 2 . . . Each .60
- Electric connectors only (male & female) . . . per set 1.20

HIGH INTENSITY
ELECTRIC CONNECTIONS IN POLE AND SOCKET
HOLLOW BRASS POLE — CAST BRONZE SOCKET



**Junior
POLE
LIGHT
ASSEMBLY**

Disc

Fig. 846

Length Pole Inches	Chromium Plated Each	Diam. Pole Inches	Weight Pounds
20	\$13.75	3/4	1 1/8
24	14.00	3/4	1 1/4
30	14.50	3/4	1 1/2
36	15.00	3/4	1 3/4

- Complete except F. P. socket, deduct Each \$.80
- Spare clear globes Fig. 604 Each 1.35
- Spare electric bulb sockets Fig. 747, No. 2 . . . Each .60
- Electric connectors only (male & female) . . . per set 1.20



Adjustable POLE LIGHT

1 3/4 INCH FRESNEL GLOBE — BRASS POLE
ZAMAK DIE CAST STREAMLINE BASE



Fig. 1233

D.C. ELECTRIC SOCKET
DIAM. POLE 3/4 INCH
COMPLETE WITH CORK GASKET
AND
WIRED READY FOR INSTALLATION

No.	Dimensions Base Inches	Weight Pounds
1	3 3/8 x 2 1/4	1
2	3 3/8 x 2 1/4	1 1/8
3	3 3/8 x 2 1/4	1 1/4
4	3 3/8 x 2 1/4	1 1/2

WMC LEP

No.	Maximum Length Inches	Chromium Plated Each
1	20	8.50
2	24	8.75
3	30	9.25
4	36	9.75

2.94 WMC LEP 7.50 \$ 2.94 3.06 3.19 3.27 3.35

Flag pole socket complete \$2.00 Each

Adjustable to various lengths down to 4 3/4 inches.
Knurled nut holds pole firmly in place.

Adjustable POLE LIGHT HIGH INTENSITY

1 1/2 INCH FRESNEL BALL GLOBE
BRASS POLE
BRONZE BASE
D.C. SOCKET, WIRED
COMPLETE WITH CONNECTORS
DIAM. POLE 3/4 INCH



Fig. 609

No.	Weight Pounds
1	1 1/4
2	1 1/2
3	1 3/4
4	2

4.55 10.55 11.14 11.58 WMC LEP

No.	Maximum Length Inches	Chromium Plated Each
1	20	12.00
2	24	12.25
3	30	12.75
4	36	13.25

10.80 4.38 4.50 4.64 4.78

Flag Pole Socket Complete \$3.50 each

Adjustable to various lengths down to 5 inches. Knurled nut holds pole firmly in place.

Cruiser POLE LIGHTS

BRASS — CHROMIUM PLATED
1 3/4 INCH FRESNEL GLOBE
DOUBLE CONTACT ELECTRIC SOCKET



Fig. 658

COMPLETE WITH CORK GASKET
AND
WIRED READY FOR INSTALLATION
DIAM. POLE 3/4 INCH

No.	Dimensions of Bracket Inches	Weight Pounds
1	2 1/4 x 3/4	1 1/4
2	2 1/4 x 3/4	1 1/2
3	2 1/4 x 3/4	1 3/4

as is

No.	Length Overall Inches	Each
1	24	\$13.50
2	30	14.00
3	36	14.50

Spare Glare Shields, \$1.75 Each

Designed for mounting on windshield of small cruisers.

Top portion of pole is removable as illustrated. Electric connections are inside of tubular pole at joint and a cap is supplied to make lower portion watertight when top is removed.

Mounting brackets are adjustable and flexible to fit any shape of windshield post.

Spare Globes for Figs. 603, 609, 625, see Fig. 604.

Spare Globes for Figs. 658 and 1233, see Fig. 248.

Spare Electric Sockets for all above, see Fig. 747 No. 2.

IMPORTANT NOTE: Figs. 658 and 1233 can be supplied with vertical ribbed acorn-shaped globe as illustrated specify Fig. 658A or Fig. 1233A and deduct \$.25 each.

Junior POLE LIGHT HIGH INTENSITY

1 1/2 INCH FRESNEL BALL GLOBE
HOLLOW BRASS POLE
CAST BRONZE BASE
D.C. ELECTRIC SOCKET
WIRED READY FOR INSTALLATION
DIAM. POLE 3/4 INCH

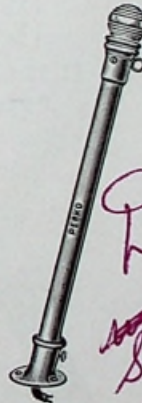


Fig. 603

No.	Length Overall Inches	Weight Pounds
1	20	5/8
2	24	3/4
3	30	1
4	36	1 1/4

Disc

No.	Length Overall Inches	Polished Brass Each	Chromium Plated Each
1	20	\$9.50	\$11.50
2	24	9.75	11.75
3	30	10.25	12.25
4	36	10.75	12.75

Seal out

"Little Joe" POLE LIGHT HIGH INTENSITY

1 1/2 INCH FRESNEL BALL GLOBE
POLISHED ALUMINUM
DOUBLE CONTACT ELECTRIC
SOCKET

An attractive companion for our "Little Joe" combination light, Fig. 1146.

Pole is adjustable to various lengths down to 5 inches.

WIRED READY FOR INSTALLATION

Length Overall Inches	Each	Diam. Pole Inches	Weight Ounces
20	\$7.60	3/8	10
24	7.85	3/8	11

as is



Fig. 625



"2 in 1" Adjustable Flag POLE LIGHT

HIGH INTENSITY

WITH 1½ INCH FRESNEL BALL GLOBE. ALL BRASS WITH STREAMLINE BASE. COMPLETE AS ILLUSTRATED — WITH BULB.

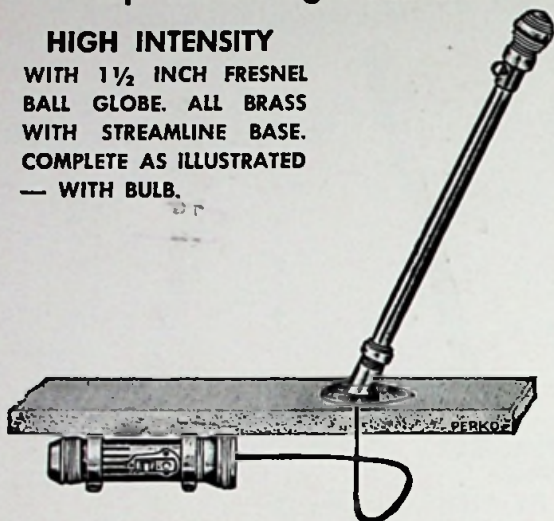


Fig. 1148

This is our popular Fig. 609 pole light supplied with a 2 cell flashlight case, mounting clamps and wire.

Batteries are not included.

Maximum Length Inches	Chromium Plated Each	Diameter Pole Inches	Weight Pounds
20	\$16.25	¾	1¾
24	16.50	¾	1⅞

Spare Clear Globes Fig. 604 \$1.35 Each

Spare Bulbs25 Each

Standard Package, 12*

Battery POLE LIGHT CHROMIUM PLATED



Fig. 710

Mahogany Pole



Fig. 711

Brass Pole

Two standard flashlight cells in battery case will supply weeks of service in ordinary intermittent use. Complete with bulb and switch, no batteries.

Fig.	Each	Length Overall Inches	Diam. Base Inches	Weight Ounces
710	\$6.25	20	1	8
711	6.50	20	¾	17

Standard Package, 12*

"2 in 1" Adjustable Flag POLE LIGHT

WITH 1¼ INCH FRESNEL GLOBE. BRASS POLE — STREAMLINE ZAMAK BASE COMPLETE AS ILLUSTRATED WITH BULB.

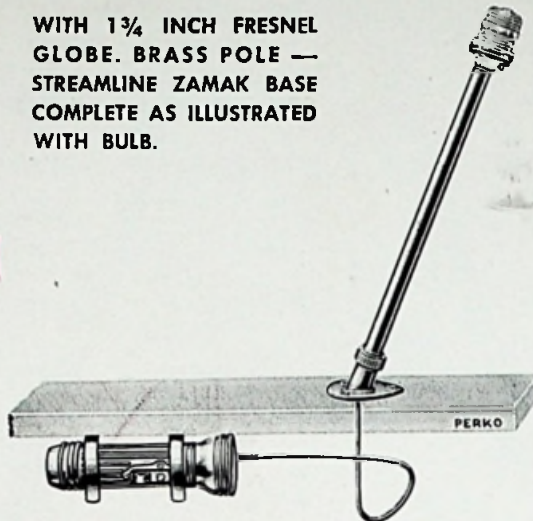


Fig. 1239

Our Fig. 1233 Pole Light with a 2 cell flashlight case, mounting clamps and wire.

Batteries not included.

Maximum Length Inches	Chromium Plated Each	Diameter Pole Inches	Weight Pounds
20	\$12.75	¾	1½
24	13.00	¾	1⅝

With vertical ribbed globe specify Fig. 1239-A and deduct \$.25 each.

Standard Package, 12*

FLAG POLES MAHOGANY

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

No.	Each	Length Overall Inches	Diam. Base Inches	Weight Ounces
1	\$1.75	14	½	1
1½	2.00	14	¾	1½
2	2.25	18	¾	2½
3	2.45	18	1	4
4	3.75	24	1	5
5	5.50	30	1¼	8½
6	6.75	36	1¼	13
7	8.75	48	1¼	26

With brass ferrule, add \$.75 Each.

Fig. 496

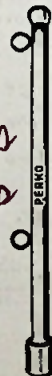
BRASS — CHROMIUM PLATED

Tubular Brass Pole with eyes for flag. Size No. 1 fits combination Bow Light Fig. 1146. Size No. 2 Figs. 1140, 1147, 1232, 1235, 1236, 1274, 1275 and 1276.

No.	Each	Length Overall Inches	Diam. Base Inches	Weight Ounces
1	\$3.20	14	½	2
1½	3.40	14	¾	3
2	3.50	18	¾	6

Standard Package - Figs. 495 and 496 - 25*

Fig. 495



See 1233 809 609

Mark 609

as is



Drop Lists

POLE LIGHTS

BRASS—WITH CLEAR THREADED FRESNEL GLOBE
DOUBLE CONTACT SOCKET—NOT WIRED



Fig. 484
Heavy
Duty
Type



Fig. 247
See Note
At Bottom
Of Page



Fig. 491
Standard
Type



Fig. 600
High
Intensity
Type

*3/31/58 LEP.
W.M.C.*

Fig.	No.	Chromium Plated Each	Spare Globes Each	Diameter Globe Inches	Height Overall Inches	I.D. Neck Inches	Maximum Bulb C.P.	Weight Ounces
484	1	\$9.25	3.20	2½	5	¾	50	16
	2	9.25	3.40	3	5½	¾	50	18
491	1	7.60	2.60	2½	5	¾	50	12
	2	7.60	2.80	3	5½	¾	50	14
600		6.00	2.50	1½	4¼	¾	6	7

STERN LIGHTS

BRASS—WITH CLEAR THREADED FRESNEL GLOBE
DOUBLE CONTACT SOCKET—NOT WIRED



Fig. 404
High
Intensity
Type



Fig. 422
Standard
Type



Fig. 506
Heavy
Duty
Type



Fig. 438
Standard
Streamline
Type



Fig. 438-A
See Note
Below



Fig. 439
High Intensity
Streamline
Type

*3/31/58 LEP.
W.M.C.*

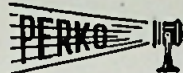
Fig.	No.	Polished Brass Each	Chromium Plated Each	Spare Globes Each	Diameter Globe Inches	Height Overall Inches	Size Base Inches	Maximum Bulb C.P.	Weight Ounces
404			\$7.60	2.50	1½	3½	2¾	6	7
422	1	\$7.35	8.35	2.73	2½	6	2¾	50	12
	2	7.35	8.35	2.93	3	6½	2¾	50	14
	3	0.75	9.75	3.46	3	12	2¾	50	20
506	1		11.00	3.77	2½	5½	2¾	50	18
	2		11.00	3.97	3	6	2¾	50	20
	3		12.00	4.50	3	12	2¾	50	26
438	1		9.75	2.97	2½	6	3¾x2¼	50	13
	2		9.75	3.17	3	6½	3¾x2¼	50	13
	3		11.00	3.70	2½	12	3¾x2¼	50	20
	4		11.00	3.39	3	12½	3¾x2¼	50	20
439	1		9.25	3.34	1½	6	3¾x2¼	6	11
	2		10.25	3.72	1½	12	3¾x2¼	6	18

NOTE: Spare Globes, see Figs. 250, 251 and 604. With Red, Green or Blue Globes add \$.60 each. Spare sockets see Fig. 747 #2.

Figs. 422, 438, 484, 491 and 506 can be supplied with vertical ribbed acorn-shaped globe Fig. 247 as illustrated above in clear only, deduct \$.25 each. Add letter "A" to Fig. No. i.e., 422-A.

Standard Package, Entire Page, 12*

BULK PACKAGE ENTIRE PAGE 50 ++



STERN LIGHTS CAST BRONZE

Equipped with 360 degree 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

Height Overall Inches	Diam. Base Inches	Diam. Body Inches	Height Lens Inches	Weight Pounds
7	3½	3½	3¾	2¾
Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Spare Lens Fig. 261 Each	Spare Socket Fig. 747 Each
\$14.95	\$16.25	\$18.50	\$2.50	\$.60

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

MAST LIGHTS CAST BRONZE

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



Fig. 521

Height Overall Inches	Diam. Body Inches	Height Lens Inches	Inside Length Neck Inches	Inside Diam. Neck Inches	Weight Pounds
6¾	3½	3¾	2½	1¼	2
Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Spare Lens Fig. 261 Each	Spare Socket Fig. 747 Each	
\$13.65	\$14.70	\$16.50	\$2.50	\$.60	

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

STERN LIGHTS CAST BRONZE

WITH FIG. 106 THREADED GLOBE FOR BULB UP TO 60 WATTS

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



Fig. 112

Height Overall Inches	Diam. Base Inches	Size of Globe Inches	Weight Pounds
8¾	3¾	5x3½	3¾
Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	
\$12.60	\$14.70	\$17.00	

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

With red, green, blue or amber globe, add \$1.75 each.
With double contact socket fig. 276, No. 3 add \$.95 each.

MAST LIGHTS CAST BRONZE WITH FIG. 106 THREADED GLOBE FOR BULB UP TO 60 WATTS

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



Fig. 113

Height Overall Inches	Diam. Bottom Opening Inches	Inside Length Neck Inches	Size of Globe Inches	Weight Pounds
9	1¾	2½	5x3½	4
Plain Bronze Each	Polished Bronze Each	Chromium Plated Each		
\$13.40	\$15.75	\$18.40		

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

With red, green, blue or amber globe, add \$1.75 each.
With double contact socket fig. 276, No. 3, add \$.95 each.

STERN LIGHTS WROUGHT BRASS

With 360 degree fresnel lens and double contact electric socket.

Can be furnished in any height desired. 18" and longer, has a 5¼" diameter base.



Fig. 1119

Height Overall Inches	Diam. Base Inches	Diam. Neck Inches	Height Lens Inches	Weight Pounds
10	3½	3½	3¾	1¾
Polished Bronze Each			Chromium Plated Each	
\$12.00			\$13.90	

Height other than standard, add \$1.90 for each 6 inches or fraction thereof.

With red, green, blue or amber lens add \$1.50 each.
Spare clear lens fig. 261, \$2.50 each.
Spare socket fig. 276, No. 3 \$.95 each.

MAST LIGHT

CAST BRONZE—WITH THREADED GLOBE GUARD INTEGRAL CABLE ENTRANCE WITH TERMINAL TUBE

With Fig. 106 Clear Threaded Globe for bulb up to 60 watts, medium screw socket.



Fig. 83

Height Overall Inches	Diam. Bottom Opening Inches	Inside Length Neck Inches	Size of Globe Inches	Weight Pounds
10	1¾	2½	5x3½	5½
Plain Bronze Each	Polished Bronze Each	Chromium Plated Each		
\$21.00	\$24.60	\$28.30		

Spare clear globes, \$3.60 each.
Spare guards, \$5.50 each.
Spare sockets, \$.90 each.

With red, green, blue or amber globe add \$1.75 each.
With double contact socket fig. 276, No. 3, add \$.95 each.



POLE OR MAST LIGHT

HEAVY BRASS
THREADED FRESNEL GLOBE
DOUBLE CONTACT SOCKET —
FOR 1/2 INCH PIPE

Fig. 362

With 2 1/2 or 3 inch globe Fig. 250 or 251, will accommodate up to 50 C. P. bulb.

No.	Plain Brass Each	Polished Brass Each	Chromium Plated Each	Diam. Globe Inches	Height Overall Inches	Diam. Base Inches	Wt. Lbs.
1	\$6.30	\$7.20	\$8.00	2 1/2	3 1/2	2 1/8	1
2	6.30	7.20	8.00	3	4	2 1/8	1 1/8



MAST AND YARDARM LIGHTS

Fig. 103

CAST BRONZE — CLEAR FRESNEL GLOBE
MEDIUM SCREW SOCKET — FOR 15 WATT BULB

Fig. 103 threaded for 1/2 inch pipe.

Fig. 104 for mounting on Truck or Yardarm.

Will accommodate 15 watt A-17 bulb.

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

With red or green globe, add \$1.10 each.
Spare clear globes fig. 249, \$2.65 each.
Spare sockets fig. 222, No. 1, \$.90 each.
With double contact socket fig. 276, add \$.95 each.



MAST LIGHTS

BRASS BASE
CLEAR FRESNEL GLOBE
MEDIUM SCREW SOCKET

Fig. 488

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

Plain Bronze Each	Polished Bronze Each	Height Overall Inches	Diam. Base Inches	Size Globe Inches	Opening in Globe Inches	Wt. Lbs.
\$7.35	\$8.25	6	2 3/8	5 1/2 x 2 3/8	1 1/8	1

Chromium plated finish, add \$1.00 to polished price.
Spare clear globes fig. 77, \$2.40 each.
With red, green or blue globe, add \$1.10 each.
Special porcelain electric sockets only fig. 222, No. 2. \$1.25 each.
Bulbs for above, 120 volt 10 watt, clear \$.50 each.



POLE OR MAST LIGHT

CAST BRONZE
THREADED FRESNEL GLOBE
BAYONET DOUBLE CONTACT
SOCKET FOR 1 1/2 INCH DIAMETER
MAST

Fig. 136

No.	Plain Brass Each	Polished Brass Each	Chromium Plated Each	Diam. Globe Inches	Height Overall Inches	Diam. Base Inches	Wt. Lbs.
1	\$5.60	\$6.65	\$7.10	2 1/2	4	1 1/2	1

Spare globes, see fig. 250.



Fig. 145 with Guard



Fig. 309 without Guard

MAST LIGHTS

CAST BRONZE — WITH MEDIUM SCREW SOCKET
FIG. 106 CLEAR THREADED GLOBE — 60 WATT

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

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

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

MEAL AND ABSENT LIGHT

CAST BRONZE — WATERTIGHT



Fig. 329 with Double Contact Socket

Fig. 330 with Medium Screw Socket

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

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

Bulbs for Fig. 329, see Fig. 337 all sizes listed.
Bulbs for Fig. 330, see Fig. 8 all sizes listed.



Perko "International" NAVIGATION LIGHTS

ZAMAK DIE CASTINGS — CHROMIUM PLATED
WATERTIGHT

Shielded to U.S.C.G. Visibility Requirements, Revised Rules of Motorboat Act.
Effective June 4, 1956 — Public Law 552

Legal For All Types of Boats — Under 65 Feet in Length and Under 40 Gross Tons.
For Use on Inland and International Waters.

ELECTRIC—DOUBLE CONTACT BAYONET TYPE SOCKETS
NECK HAS 1/2 INCH FEMALE PIPE THREAD FOR MOUNTING ON PIPE
BASE DRILLED FOR WOOD SCREWS FOR MOUNTING DIRECTLY TO DECK OR CABIN TOP

Side Lights

10 POINTS — 112 1/2 DEGREES
VISIBILITY — 2 MILES
COLORED LENSES — 1 RED AND 1 GREEN

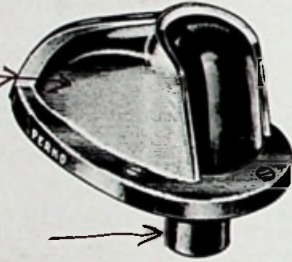


Fig. 1278

\$17.00 Per Pair — 2.97 lb

Height Lens Inches	Length Overall Inches	Width Overall Inches	Diameter Neck Inches	Length Neck Inches	Weight Per Pair Pounds
2 1/2	4 1/2	2 1/2	2 1/2	1 3/8	2 1/2

Stern Lights

12 POINTS — 135 DEGREES
VISIBILITY 3 MILES — CLEAR LENS

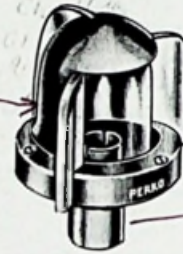


Fig. 1280

\$8.00 Each — 1.95 lb

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

Bow or Masthead Lights

20 POINTS — 225 DEGREES
VISIBILITY 3 MILES — CLEAR LENS



Fig. 1279

\$8.00 Each

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

Anchor or Range Lights

32 POINTS — 360 DEGREES
VISIBILITY 3 MILES — CLEAR LENS

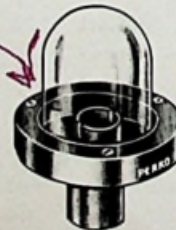


Fig. 1281

\$7.25 Each — 1.75 lb

Height Lens Inches	Height Light Inches	Diam. Flange Inches	Diameter Neck Inches	Length Neck Inches	Weight Each Pounds
2 1/2	2 3/8	2 3/8	1 1/2	1 3/8	3/4

Spare Lenses for all above lights:

Clear	\$1.00 each
Colored, Red or Green	1.20 each
Spare D.C. Sockets, Fig. 747 No. 2	.60 each



As is

Perko "International" NAVIGATION LIGHTS

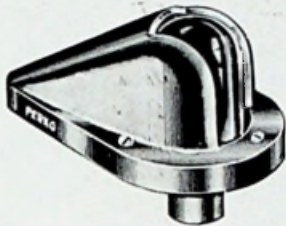
CAST BRONZE — PLAIN OR CHROMIUM PLATED — WATERTIGHT
 Shielded to U.S.C.G. Visibility Requirements, Revised Rules of Motorboat Act.
 Effective June 4, 1956 — Public Law 552

Legal For All Types of Boats—Under 65 Feet in Length and Under 40 Gross Tons.
 For Use on Inland and International Waters.

ELECTRIC—DOUBLE CONTACT BAYONET TYPE SOCKETS
 Neck Has 1/2" Female Pipe Thread for Mounting on Pipe
 Base Drilled for Wood Screws for Mounting Directly to Deck or Cabin Top.

Side Lights

10 POINTS — 112 1/2 DEGREES
 VISIBILITY—2 MILES
 COLORED LENSES — 1 RED AND 1 GREEN



WMG
12/58

910 B
17.00 - 25.50

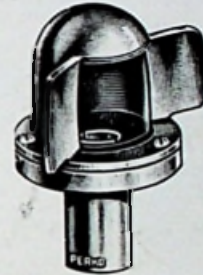
Burn Fig. 910-A
 Plain Bronze Per Pair
 \$17.00 - *34.2 ea*

Chromium Plated Per Pair
 \$23.00 - *46.5 ea*

Height Lens Inches	Length Overall Inches	Width Overall Inches	Diameter Neck Inches	Length Neck Inches	Weight Per Pair Pounds
2 1/8	5	2 3/8	3/8	1 3/8	3 1/4

Stern Lights

12 POINTS — 135 DEGREES
 VISIBILITY 3 MILES — CLEAR LENS



91

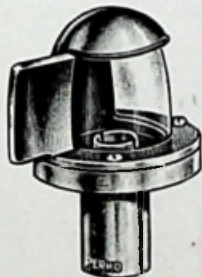
Burn Fig. 912-A
 Plain Bronze Each
 \$8.25

Chromium Plated Each
 \$12.50

Height Lens Inches	Height Light Inches	Diameter Neck Inches	Diameter Flange Inches	Length Neck Inches	Weight Each Pounds
2 1/8	2 1/2	3/8	2 3/8	1 3/8	1 1/4

Bow or Masthead Lights

20 POINTS — 225 DEGREES
 VISIBILITY 3 MILES — CLEAR LENS



- with 609 Base 36" long WMG. 8.05

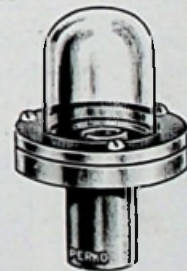
Burn Fig. 911-A
 Plain Bronze Each
 \$8.25 - *3.27 ea*

Chromium Plated Each
 \$12.50 - *5.03 ea*

Height Lens Inches	Height Light Inches	Diameter Neck Inches	Diameter Flange Inches	Length Neck Inches	Weight Each Pounds
2 1/8	2 1/2	3/8	2 3/8	1 3/8	1 1/8

Anchor or Range Lights

32 POINTS — 360 DEGREES
 VISIBILITY 3 MILES — CLEAR LENS



Burn Fig. 913-A
 Plain Bronze Each
 \$7.00 - *2.75 ea*

Chromium Plated Each
 \$8.50 - *3.33*

Height Lens Inches	Height Light Inches	Diameter Neck Inches	Diameter Flange Inches	Length Neck Inches	Weight Each Pounds
2 1/8	2 1/2	3/8	2 3/8	1 3/8	3/8

Spare Lenses for all above lights:

- Clear \$1.00 each
- Colored, Red or Green 1.20 each
- Spare D.C. Sockets, Fig. 747 No. 260 each

As is



285-10/25/57
 Body - 83
 Lens - 83
 Case - 55
 Lens - 26
 Lens - 25
 2.72 ea
 4.35
 1.20 - 2M
 5.55 ea

Perko "International" NAVIGATION LIGHTS

SHIELDED TO U.S.C.G. VISIBILITY REQUIREMENTS, REVISED RULES OF MOTOR BOAT ACT
 EFFECTIVE JUNE 4, 1956—PUBLIC LAW 552

LEGAL FOR ALL TYPES OF BOATS—UNDER 65 FEET IN LENGTH AND UNDER 40 GROSS TON.
 FOR USE ON INLAND AND INTERNATIONAL WATERS.

NEW STREAMLINE WATERTIGHT TYPE (Patent Pending)

ZAMAK DIE CASTINGS — CHROMIUM PLATED

NEW TYPE WATERTIGHT FRESNEL GLOBE WITH PACKING GLAND AT SOCKET AND CABLE ENTRANCE
 ELECTRIC — DOUBLE CONTACT BAYONET TYPE SOCKET

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

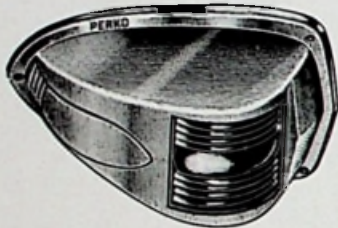


Fig. 1285

Chromium Plated Per Pair	Length Overall Inches	Height Overall Inches	Weight Per Pair Pounds
\$22.50	7½	3	3

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



Fig. 1286

Chromium Plated Each	Length Overall Inches	Width Overall Inches	Height Overall Inches	Weight Pounds
\$12.75	6¼	3¾	3½	1¼

1286-10/25/57

Body - 78
 Lens - 26
 Lens - 46
 Lens - 83
 2.33
 2.58
 WAG 4.13
 Total 1.00 - 2200 per
 513

COST

Ch - 36.00
 GR - 40.00
 RED - 50.00

NEW TYPE WATERTIGHT FRESNEL GLOBE



Fig. 258

Clear Each	Red or Green Each	Height Inches	Width Inches	Weight Ounces
\$2.50	\$3.00	2¾	2¾	6

Mold 504.00

INTERNATIONAL LIGHTS

WROUGHT BRASS — ELECTRIC ONLY
 DOUBLE CONTACT ELECTRIC SOCKET
 CLEAR FRESNEL LENSES—VISIBILITY 3 MILES

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



Fig. 98

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



Fig. 99

Fig.	Polished Brass Each	Chromium Plated Each	Height Lens Inches	Height Overall Inches	Weight Pounds
98	\$11.00	\$13.75	4¼	5¼	1½
99	10.00	12.75	4¼	5¼	1½

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

INTERNATIONAL LIGHTS

WROUGHT BRASS — OIL ONLY
 CLEAR FRESNEL LENS—VISIBILITY 3 MILES

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



Fig. 176

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



Fig. 97

Fig.	Polished Brass Each	Chromium Plated Each	Height Lens Inches	Height Overall Inches	Weight Pounds
176	\$12.50	\$15.50	4¼	10½	3½
97	11.50	14.50	4¼	10½	3

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

As is



Perkins Marine Lamp & Hardware Corp. 19

Streamline SIDE LIGHTS CAST BRONZE CLASSES 2 AND 3 — ELECTRIC

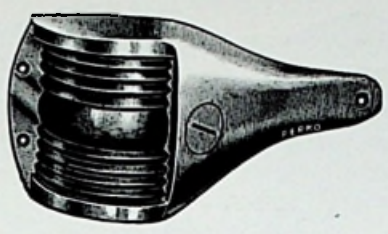


Fig. 563

With our popular rebulbing feature which makes it unnecessary to remove light from the boat to change bulb.

Furnished in pairs, with red and green fresnel lenses and double contact electric sockets.

Class	Height Inches	Length Inches	Height Lens Inches	Weight Per Pair Pounds
2	4 3/4	10 1/2	4 1/4	5 1/2
3	6	10 1/2	5 3/8	7 1/2

Class	Polished Bronze Per Pair	Chromium Plated Per Pair	Spare Lenses Each	Spare Sockets Each
2	\$28.00	\$33.50	\$3.45	\$.60
3	41.00	47.25	4.35	.60

Spare Lenses, see Fig. 259

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

Streamline BOW LIGHTS CAST BRONZE CLASSES 2 AND 3 — ELECTRIC

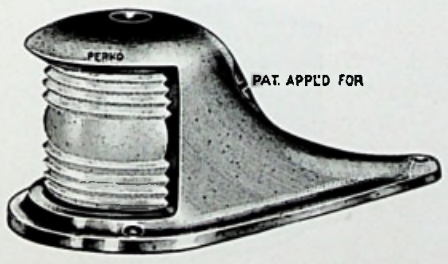


Fig. 561

Furnished with clear fresnel lens and double contact electric socket.

Class	Height Inches	Size Base Inches	Height Lens Inches	Flagpole Socket Inches	Weight Pounds
2	5 1/4	5 3/4 x 1 1/2	4 1/4	1	7
3	6 3/8	6 3/8 x 1 3/8	5 3/8	1	8 3/4

Class	Polished Bronze Each	Chromium Plated Each	Spare Lenses Each	Spare Sockets Each
2	\$24.75	\$30.50	\$3.45	\$.60
3	35.25	41.50	4.35	.60

Spare Lenses, see Fig. 260.

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

SPARE REBULBING FEATURES FOR ALL ABOVE LIGHTS
LIGHTS ON THIS PAGE CANNOT BE SUPPLIED

SIDE LIGHTS TOP AND LESS THAN 40 FEET IN LENGTH DOUBLE CONTACT Starboard and one red light for

10 1/2 inches
3 inches x 5 1/4 inches
1 1/4 inches
6 1/4 pounds

Chromium Plated Per Pair
\$38.50

INS
SPRING FOUNT
Lenses, 4 1/4 inches.
Height, 10 1/2 inches.
Base, 4 1/2 x 5 inches.
Weight, 3 lbs.

	Galvanized Each	Polished Brass Each
only	\$9.75	\$11.50
electric	11.50	13.25

1 plated finish, add \$3.50
ished Brass price.
1, Green, Amber or Blue
.50 each.

LIGHTS

DOUBLE CONTACT
Lenses
x 5 1/2 inches
Weight

	Polished Brass Each	Chromium Plated Each
only	\$15.00	\$19.25
electric	17.50	21.75

LIGHTS

SPRING FOUNT
Lenses, 5 3/8 inches.
Height, 12 1/2 inches.
Base, 5 1/2 x 6 1/4 inches.
Weight, 3 1/2 lbs.

	Galvanized Each	Polished Brass Each
only	\$11.50	\$14.50
electric	13.50	16.50

1 plated finish, add \$4.00
ished Brass price.

Green or Blue Lens add

E LIGHTS

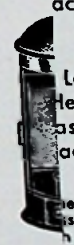
2
CONTACT SOCKET
Lenses
x 5 1/8 inches
Weight

Chromium Plated Per Pair
\$38.50

LIGHTS

CLEAR LENS
RING FOUNT
CONTACT SOCKET

CLASS 2
Lens, 4 1/4 inches.
Height, 7 1/4 inches.
Base, 4 1/2 x 5 inches.
Weight, 2 1/2 lbs.



CLASS 3
Lens, 5 3/8 inches.
Height, 8 1/2 inches.
Base, 5 1/2 x 6 1/4 inches.
Weight, 3 1/4 lbs.

LIGHTS

2
CONTACT SOCKET
Lenses
x 5 1/2 inches
Weight

	Polished Brass Each	Chromium Plated Each
only	\$15.00	\$19.25
electric	17.50	21.75

W ELECTRIC SOCKETS ADD \$1.00

10	\$3.45
50	3.45
and 0-5	2.30
figs. 0-4 and 0-5	.47
	.08
	.95
	.70

Lens add \$2.50 each.
Lens add \$3.00 each.
EACH



As is

Perko International

SHIELDED TO U.S.C.G. VISIBILITY REQUIREMENTS
EFFECTIVE JUNE 4, 1924
LEGAL FOR ALL TYPES OF BOATS—UNDER 65 FEET
FOR USE ON INLAND AND COAST WATERS
NEW STREAMLINE
(Patent)
ZAMAK DIE CASTING:
NEW TYPE WATERTIGHT FRESNEL GLOBE WITH PERKO
ELECTRIC—DOUBLE CONTACT

200-1613/57
body-83
also-83
200-55
also-26
n-25
2.72 m
4.35
1.20-2.0
5.55 m

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



Fig. 1285

Chromium Plated Per Pair	Length Overall Inches	Height Overall Inches	Weight Per Pair Pounds
\$22.50	7½	3	3

BOW LIGHT
20 Points—20 Degrees
Minimum Visibility—2 Miles
Clear Lens



Fig. 1286

Chromium Plated Each	Length Overall Inches	Width Overall Inches
\$12.75	6¼	3½

INTERNATIONAL LIGHTS

WROUGHT BRASS — ELECTRIC ONLY
DOUBLE CONTACT ELECTRIC SOCKET
CLEAR FRESNEL LENSES—VISIBILITY 3 MILES

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



Fig. 98

Fig.	Polished Brass Each	Chromium Plated Each	Height Lens Inches	Height Overall Inches	Weight Pounds
98	\$11.00	\$13.75	4¼	5¼	1½
99	10.00	12.75	4¼	5¼	1½

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

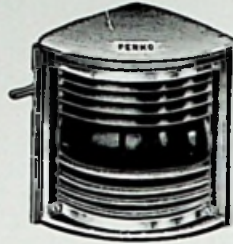
STERN LIGHT
12 Points—135 Degrees
Visibility—3 Miles
Clear Lens



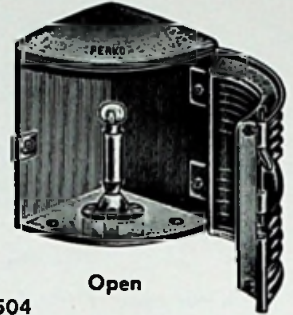
Fig. 99

De-Lite SIDE LIGHTS

CAST BRONZE—WITH FRONT DOORS
RED AND GREEN LENSES
ELECTRIC ONLY—DOUBLE CONTACT



Closed



Open

Fig. 504

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

Class	Height Inches	Angle Inches	Height Lens Inches	Weight Per Pair Pounds
2	5½	3¾ x 3¾	4¼	6½
3	6	4 x 4	5¾	8
Class	Polished Bronze Per Pair	Chromium Plated Per Pair	Spare Lenses Each	Spare Sockets Each
2	\$29.00	\$34.00	\$3.45	\$.95
3	34.00	40.00	4.35	.95

With medium screw sockets, add \$3.50 per pair.

Spare D.C. Sockets, see Fig. 276, No. 0.

Spare Lenses, see Fig. 259.

With clear lens, Class 2 only, add \$2.00 per pair.

De-Lite BOW LIGHTS

CAST BRONZE—WITH FRONT DOORS
CLEAR LENS
ELECTRIC ONLY—DOUBLE CONTACT



Fig. 505

Same construction as Fig. 504 above.

Class	Height Inches	Width Inches	Height Lens Inches	Weight Pounds
2	5½	5½	4¼	3¾
3	6½	6	5¾	4¼
Class	Polished Bronze Each	Chromium Plated Each	Spare Lenses Each	Spare Sockets Each
2	\$14.50	\$17.00	\$3.45	\$.95
3	17.00	20.00	4.35	.95

With Medium screw sockets, add \$1.75 Each.

Spare D.C. Sockets, see Fig. 276, No. 0.

Spare Lenses, see Fig. 260.

With Colored Lens, Class 2, add \$1.75 Each.

With Colored Lens, Class 3, add \$2.50 Each.

Colored Lenses are Red, Green or Blue.

Amber available in Class 2 only.



"Perko" De-Lite SIDE LIGHTS

TURRET TOP
FOR CLASS 2 BOATS—26 FEET OR OVER AND LESS THAN 40 FEET IN LENGTH
OIL AND ELECTRIC, DOUBLE CONTACT

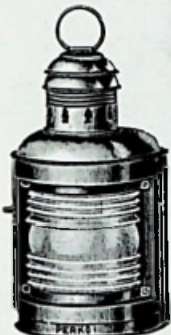
Furnished in pairs—one green light for Starboard and one red light for Port



(Closed)

Height, less ring, 10½ inches
Measurements of base, 5¼ inches x 5¼ inches
Height of lens, 4¼ inches
Weight, per pair, 6¼ pounds

	Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair
Fig. 0-4	\$24.50	\$30.00	\$38.50



(Closed)

"Perko" De-Lite BOW LIGHTS

TURRET TOP
CLASS 2—OIL AND ELECTRIC, DOUBLE CONTACT

Height, less ring, 10½ inches
Height of lens, 4¼ inches
Measurements of base, 5 inches x 5½ inches
Weight, each 3 pounds

	Galvanized Each	Polished Brass Each	Chromium Plated Each
Fig. 0-5	\$12.25	\$15.00	\$19.25
With Clear Lens	14.75	17.50	21.75
With Red, Green, Amber or Blue Lens			

LIGHTS

CLASS 2
RING FOUNT

Height, less ring, 10½ inches.
Height of lens, 10½ inches.
Measurements of base, 4½x5 inches.
Weight, 3 lbs.

	Galvanized Each	Polished Brass Each
only	\$9.75	\$11.50
with electric	11.50	13.25

With plated finish, add \$3.50
with Polished Brass price.

Lenses, Green, Amber or Blue
\$.50 each.

LIGHTS

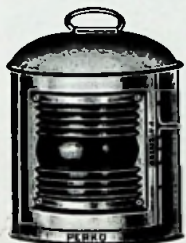
CLASS 2
RING FOUNT

Height, less ring, 12½ inches.
Height of lens, 12½ inches.
Measurements of base, 5½x6¼ inches.
Weight, 3½ lbs.

	Galvanized Each	Polished Brass Each
only	\$11.50	\$14.50
with electric	13.50	16.50

With plated finish, add \$4.00
with Polished Brass price.

Green or Blue Lens add



"Perko" De-Lite SIDE LIGHTS

FLAT TOP—CLASS 2
ELECTRIC ONLY—DOUBLE CONTACT SOCKET

Height, less ring, 7¼ inches
Measurements of base, 5⅞ inches x 5⅞ inches
Height of lens, 4¼ inches
Weight, per pair, 5½ pounds

	Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair
Fig. 0-4	\$24.50	\$30.00	\$38.50

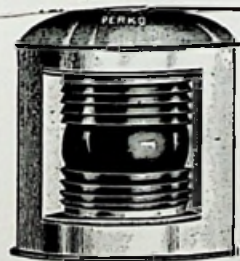


Fig. 4

"Perko" De-Lite BOW LIGHTS

FLAT TOP—CLASS 2
ELECTRIC ONLY—DOUBLE CONTACT SOCKET

Height, less ring, 7⅞ inches
Measurements of base, 5 inches x 5½ inches
Height of lens, 4¼ inches
Weight, each, 2¾ pounds

	Galvanized Each	Polished Brass Each	Chromium Plated Each
Fig. 0-50	\$12.25	\$15.00	\$19.25
With Green, Amber or Blue Lens	14.75	17.50	21.75

LIGHTS

CLASS 2
CLEAR LENS
RING FOUNT
CONTACT SOCKET

Lens, 4¼ inches.
Height, 7¼ inches.
Measurements of base, 4½x5 inches.
Weight, 2½ lbs.

	Galvanized Each	Polished Brass Each	Chromium Plated Each
CLASS 2	\$1.50	\$1.50	\$1.50
CLASS 3	\$1.50	\$1.50	\$1.50

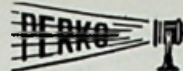
With plated finish, add \$2.50 each.
with Polished Brass price add \$3.00 each.

ALL LIGHTS ON THIS PAGE WITH MEDIUM SCREW ELECTRIC SOCKETS ADD \$1.00

SPARE PARTS

Lenses, fig. 259, Class 2, for figs. 0-4 and 0-40	\$3.45
Lenses, fig. 260, Class 2, for figs. 0-5 and 0-50	3.45
Oil Founts, fig. 582, Brass, for figs. 0-4 and 0-5	2.30
Oil Burners, fig. 246, No. 1, Brass for figs. 0-4 and 0-5	.47
Oil Wicks, fig. 302, No. 1	.08
Electric Sockets, Double Contact, fig. 276, No. 2	.95
Electric Sockets, Medium Screw, fig. 346, No. 1	.7C

As is



285 - 10/23/57
 body - 83
 26 - 83
 200 - 55
 26 - 26
 2 - 25
 2.72 22
 4.35
 1.20 - 2.09
 5.55 22 NEW TYPE WAT

Perk SHIELDED

LEGAL FOR 1

SIDE LIGHTS

10 Points—112½ De
 Minimum Visibility—2
 Colored Lenses
 1 Red and 1 Gre



Fig. 1285

Chromium Plated Per Pair	Length Overall Inches	High Overall In.
\$22.50	7½	

INTERNAL WROUGHT IRON DOUBLE COAT CLEAR FRESNEL

BOW LIGHT

20 Points—225 De
 Visibility—3 Mil
 Clear Lens



Fig. 98

with clear lens
 with Red, Green or Blue Lens

Fig.	Polished Brass Each
98	\$11.00
99	10.00

With medium screw

"Perko" De-Lite SIDE LIGHTS

TURRET TOP

FOR CLASS 3 BOATS—40 FEET OR OVER AND NOT MORE THAN 65 FEET IN LENGTH

OIL AND ELECTRIC, DOUBLE CONTACT

Height of lens, 5⅝ inches
 Height, less ring, 12¼ inches
 Measurements of base, 5⅝ inches x 5⅝ inches
 Weight, per pair, 8 pounds

Fig. 0-8

Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair
\$28.50	\$34.50	\$44.00



(Opened)

"Perko" De-Lite BOW LIGHTS

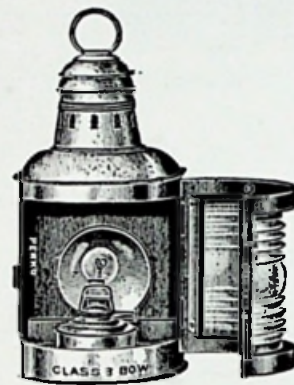
TURRET TOP

CLASS 3—OIL AND ELECTRIC, DOUBLE CONTACT

Height of lens, 5⅝ inches
 Height, less ring, 12¼ inches
 Measurements of base, 5½ inches x 6⅞ inches
 Weight, each, 4 pounds

Fig. 0-9

Galvanized Each	Polished Brass Each	Chromium Plated Each
\$14.25	\$17.25	\$22.00
17.25	20.25	25.00



(Opened)

"Perko" De-Lite SIDE LIGHTS

FLAT TOP—CLASS 3

ELECTRIC ONLY—DOUBLE CONTACT SOCKET

Height of lens, 5⅝ inches
 Height, less ring, 8½ inches
 Measurements of base, 5⅝ inches x 5⅝ inches
 Weight, per pair, 7 pounds

Fig. 0-80

Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair
\$28.50	\$34.50	\$44.00



(Opened)

"Perko" De-Lite BOW LIGHTS

FLAT TOP—CLASS 3

ELECTRIC ONLY—DOUBLE CONTACT SOCKET

Height of lens, 5⅝ inches
 Height, less ring, 8½ inches
 Measurements of base, 5½ inches x 6⅞ inches
 Weight, each, 4 pounds

Fig. 0-90

Galvanized Each	Polished Brass Each	Chromium Plated Each	Width Inches	Height Lens Inches	Weight Pounds
\$14.25	\$17.25	\$22.00	5½	4¼	3¼
17.25	20.25	25.00	6	5⅝	4¼



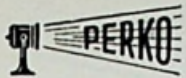
Fig. 505

Fig. 504 above.

RIGHTS ON THIS PAGE WITH MEDIUM SCREW ELECTRIC SOCKETS ADD \$1.00 EACH

SPARE PARTS		Each
Lenses, fig. 259, Class 3, for figs. 0-8 and 0-80		\$4.35
Lenses, fig. 260, Class 3, for figs. 0-9 and 0-90		4.35
Oil Faunts, fig. 582, Brass, for figs. 0-8 and 0-9		2.30
Oil Burners, fig. 246, No. 1, Brass, for figs. 0-8 and 0-9		.47
Oil Wicks, fig. 302, No. 1		.08
Electric Sockets, Double Contact, fig. 276, No. 3		.95
Electric Sockets, Medium Screw, fig. 346, No. 1		.70

As is



Class 2 SIDE LIGHTS
RED AND GREEN LENSES
BOTTOM OPENING—SPRING FOUNT



Fig. 17

Height of Lenses, 4¼ inches.
Extreme Height, 10½ inches.
Size of Base, 4¼x5½ inches.
Weight, per pair, 5½ lbs.

	Galvanized Per Pair	Polished Brass Per Pair
Oil or Elec. only	\$19.50	\$23.00
Oil and Electric	23.00	26.50

Chromium plated finish, add \$7.00 per pair to Polished Brass price.

Class 2 BOW LIGHTS
CLEAR LENS
BOTTOM OPENING—SPRING FOUNT



Fig. 18

Height of Lens, 4¼ inches.
Extreme Height, 10½ inches.
Size of Base, 4½x5 inches.
Weight, each, 3 lbs.

	Galvanized Each	Polished Brass Each
Oil or Elec. only	\$9.75	\$11.50
Oil and Electric	11.50	13.25

Chromium plated finish, add \$3.50 each to Polished Brass price.

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

Class 3 SIDE LIGHTS
RED AND GREEN LENSES
BOTTOM OPENING—SPRING FOUNT

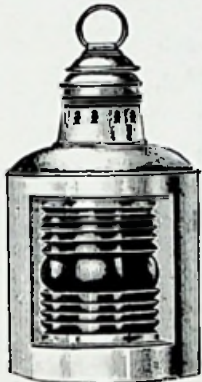


Fig. 19

Height of Lenses, 5¾ inches.
Extreme Height, 12½ inches.
Size of Base 5x6¼ inches.
Weight, per pair, 7½ lbs.

	Galvanized Per Pair	Polished Brass Per Pair
Oil or Elec. only	\$23.00	\$29.00
Oil and Electric	27.00	33.00

Chromium plated finish, add \$8.00 per pair to Polished Brass price.

Class 3 BOW LIGHTS
CLEAR LENS
BOTTOM OPENING—SPRING FOUNT



Fig. 20

Height of Lens, 5¾ inches.
Extreme Height, 12½ inches.
Size of Base, 5½x6¼ inches.
Weight, each, 3½ lbs.

	Galvanized Each	Polished Brass Each
Oil or Elec. only	\$11.50	\$14.50
Oil and Electric	13.50	16.50

Chromium plated finish, add \$4.00 each to polished Brass price.

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

Flat Top SIDE LIGHTS
CLASSES 2 AND 3—RED AND GREEN LENSES
BOTTOM OPENING—SPRING FOUNT
ELECTRIC ONLY—DOUBLE CONTACT SOCKET

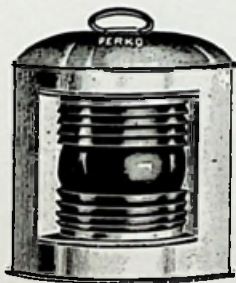


Fig. 4

CLASS 2

Height of Lenses, 4¼ inches.
Extreme Height, 7¼ inches.
Size of Base 4¼x5½ inches.
Weight, per pair, 5 lbs.

CLASS 3

Height of Lenses, 5¾ inches.
Extreme Height, 8½ inches.
Size of Base, 5x6¼ inches.
Weight, per pair, 7 lbs.

Class	Galvanized Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair
2	\$19.50	\$23.00	\$30.00
3	23.00	29.00	37.00

Flat Top BOW LIGHTS
CLASSES 2 AND 3—CLEAR LENS
BOTTOM OPENING—SPRING FOUNT
ELECTRIC ONLY—DOUBLE CONTACT SOCKET



Fig. 5

CLASS 2

Height of Lens, 4¼ inches.
Extreme Height, 7¼ inches.
Size of Base, 4½x5 inches.
Weight, each, 2½ lbs.

CLASS 3

Height of Lens, 5¾ inches.
Extreme Height, 8½ inches.
Size of Base, 5½x6¼ inches.
Weight, each, 3¼ lbs.

Class	Galvanized Each	Polished Brass Each	Chromium Plated Each
2	\$9.75	\$11.50	\$15.00
3	11.50	14.50	18.50

Class 2 with Red, Green, or Blue Lens add \$2.50 each.
Class 3 with Red, Green, or Blue Lens add \$3.00 each.

ALL LIGHTS ON THIS PAGE WITH MEDIUM SCREW ELECTRIC SOCKETS ADD \$1.00 EACH

SPARE PARTS

Oil and Electric Founts fig. 736
Oil Founts, fig. 286
Lenses, figs. 259 and 260

Electric Adapters, figs. 291 or 292
Electric D.C. Adapters, fig. 355
Oil Burners and Wicks, figs. 246 and 302 No. 1

As is



TOWING or SIGNAL LIGHTS

ALL CAST BRONZE — WITH WATERTIGHT BOX
MEDIUM SCREW SOCKET — CLEAR FRESNEL GLOBES — CAST BRONZE GUARD
MAXIMUM LAMP 60 WATTS — VISIBILITY 5 MILES PER U.S.C.G. REGULATIONS

SINGLE LIGHT

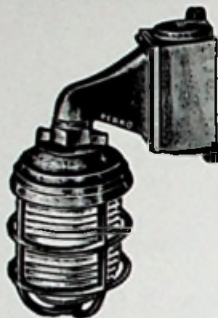


Fig. 540

Box Not Tapped, See Below

Each
\$32.00

Height
Overall
Inches
10 1/4

Width
Overall
Inches
6 3/4

Weight
Pounds
6 3/4

DOUBLE LIGHT

With 1/2" Brass Pipe — Lights 3 Feet Apart

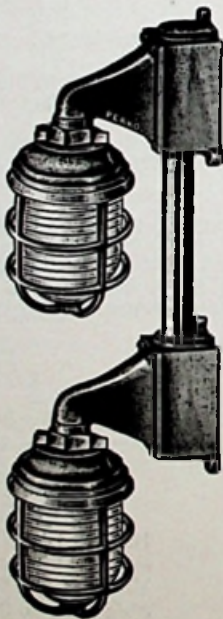


Fig. 541

Each
\$74.50

Height
Overall
Inches
46 1/2

Width
Overall
Inches
6 3/4

Weight
Pounds
16

TRIPLE LIGHT

With 1/2" Brass Pipe — Lights 3 Feet Apart

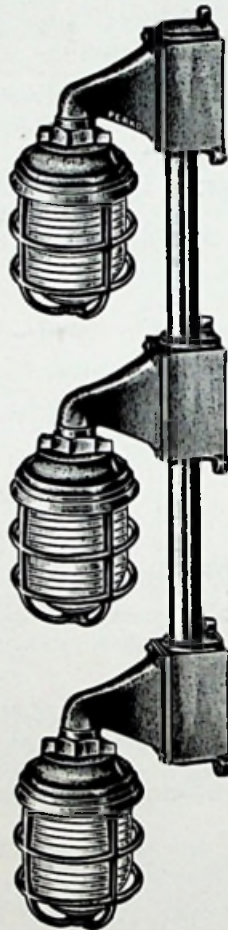


Fig. 542

Each
\$118.00

Height
Overall
Inches
82 1/2

Width
Overall
Inches
6 3/4

Weight
Pounds
25 1/2

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

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

SPARE GUARDS Cast Bronze. \$5.50 each.

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

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

Figs. 541 and 542 with 3/4 inch pipe or tapping for same, price on application.

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



VAPOR-PRO ANCHOR LIGHT

WITH CLEAR FRESNEL LENS
CAST BRONZE BODIES SWITCH AND BULB

WITH 6"

STANDARD 4 1/4" x 1 1/2"

90° Angle Type



Fig. 1075
Fig. 1078



part of the bridge or bridge
as required.

GREEN 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-
span swing bridges, one red lens is shielded.

Tri-Color TRAWLER LIGHTS

FOR VESSELS UP TO 75 FEET

ELECTRIC ONLY—MEDIUM SCREW SOCKET
45 DEGREE CLEAR FRESNEL LENS—4 POINT
90 DEGREE RED AND GREEN FRESNEL
LENSES—8 POINT
WITH FIG. 131 BACK BRACKET
BOTTOM OPENING—SPRING FOUNT



FIG.	Type	Each.	For Lamp Wattage	Weight Pounds
1075	Keyless	\$22.00	60 to 100	5 1/2
1078	Key Switch	23.00	60 to 100	6
1079	Keyless	13.00	60 to 100	4
1081	Key Switch	20.00	60 to 100	5 1/2



Fig. 49

With Red or Green globe, add \$1.50 each.
With electric adapter fig. 292, add \$1.20 each.

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

COMBINATION JUNCTION BOX-FIXTURES
CEILING AND BULKHEAD TYPE
CAST BRONZE WITH 6" WIRE GUARDS
AND SCREW GLASS GLOBES

Ceiling Type



Fig. 1087

Bulkhead Type

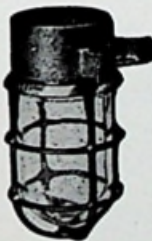


Fig. 1090

Fig.	Type	Each	For Lamp Wattage	Weight Pounds
1087	Keyless	\$13.75	60 to 100	3 1/2
1090	Keyless	13.75	60 to 100	4

With Cast Bronze Guards, add \$2.00 to above prices.

With Cast Bronze Boxes for Figs. 1075, 1078, 1079, 1081, add \$3.25 to above prices.

Above fixtures have one 1/2" I.P.S. tapping. Extra tapping \$.45 per hole.

SPARE PARTS

Globe fig. 262. | Wick fig. 302, size 1.
Burner fig. 246, size 1. | Fount fig. 286.

Bulkhead LANTERN

~~WITH REMOVABLE GLASSES~~

OIL BURNING



Fig. 46

Galvanized Each
\$31.00

Glasses Only Each
~~\$1.30~~

Add Brass 41.00

Front Inches	Side Inches	Height Overall Inches
9x13	7 3/4x13	16

Supplied for electric only with medium screw socket to order, add \$4.00 each.

Spare brass founts only, \$6.00 each.

Spare reflectors, \$5.50 each.

Spare burners, see Fig. 242 No. 2-A

Spare chimneys, see Fig. 267 No. 2-A



TOWING or SIGNAL LIGHTS LIGHTS

ALL CAST BRONZE — WITH WATERTIGHT BOX
 MEDIUM SCREW SOCKET — CLEAR FRESNEL GLOBES — CAST BRONZE
 MAXIMUM LAMP 60 WATTS — VISIBILITY 5 MILES PER U.S.C.G. REGULA

SINGLE LIGHT

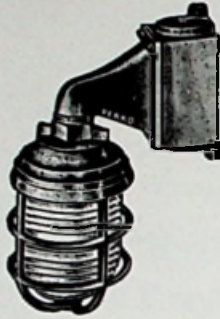


Fig. 540

Box Not Tapped, See Below

Each	Height Overall Inches	Width Overall Inches	Weight Pounds
\$32.00	10 1/4	6 3/4	6 3/4

TRIPLE CH

With 1/2" Brass Pipe —

Standard No. 6 Dry Cells used with These Lights

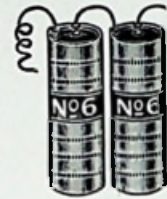


	Fig. 1001 Red and Green Per Pair	Fig. 1002		Fig. 1003		Fig.	Height Lens Inches	DIMENSIONS		Weight Less Batteries Pounds
		Clear Each	Amber Each	Clear Each	Amber Each			Height Body Inches	Size Base Inches	
Galvanized	\$115.00	\$73.00	\$84.50	\$73.00	\$84.50	1001	6 3/4	11	7 1/4 x 7 1/4	18
Pol. Brass	142.00	88.50	100.00	88.50	100.00	1002	7 1/2	13 1/2	9 x 9 1/2	15
Spare Lenses	27.50	16.50	28.00	13.25	21.00	1003	7 1/2	13 1/2	9 x 9 1/2	12

Above prices include bulbs, no batteries.

Spare bulbs, double contact 2.5 volts. 15 amp. S-8 \$1.80 each.

Waterproof Type

2 MILE VISIBILITY—FOR 2 NO. 6 DRY CELLS IN SERIES—WITH SWITCH
 200 HOURS CONTINUOUS OPERATION ON ONE SET OF BATTERIES

Side Lights
112 1/2 Degrees

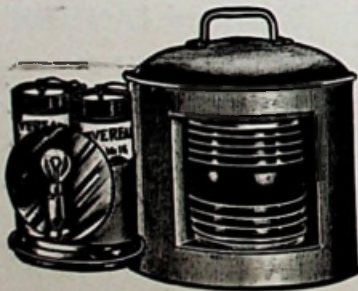


Fig. 1008

Masthead or Range Light
225 Degrees



Fig. 1013

Stern Light
135 Degrees



Fig. 1014

	Fig. 1008 Red and Green Per Pair	Fig. 1013		Fig. 1014		Fig.	Height Lens Inches	DIMENSIONS		Weight Less Batteries Pounds
		Clear Each	Amber Each	Clear Each	Amber Each			Height Body Inches	Size Base Inches	
Galvanized	\$91.00	\$63.50	\$75.00	\$63.50	\$75.00	1008	6 3/4	11	7 1/2 x 7 1/2	15
Spare Lenses	27.50	16.50	28.00	13.25	21.00	1013	7 1/2	13 1/2	9 x 9 1/2	13
						1014	7 1/2	13 1/2	9 x 9 1/2	10

Above prices include bulbs, no batteries.

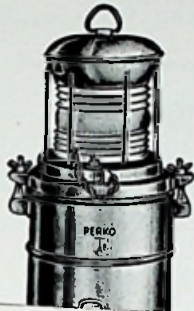
Bulb is double contact 2.5 volts .15 amp. S-8 \$1.80 each.

Battery containers as illustrated, complete with reflector, socket, bulb and switch, without batteries, \$17.00 each.



30 Day Battery ANCHOR LIGHT

360 DEGREE CLEAR FRESNEL LENS
WATERPROOF—WITH SWITCH AND BULB



As is



not part of the bridge or ...
degrees as required.



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



- FIG. 1025—This is fig. 1005 mounted on 1 inch brass pipe and good sturdy cast bronze flange. Brass packing gland for cable with 2 inch pipe and flange, add \$12.00 each.
- FIG. 1010—This is fig. 1005 mounted on 2 inch brass pipe and fittings. Standard length of pipe "A" is 3½ inches. Special length, please specify, price on application.

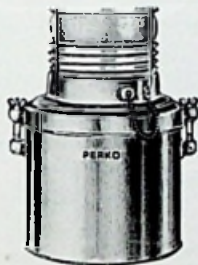


Fig. 474

As is

Uses 6 standard 1½ volt No. 6 dry cells available anywhere.

Over 1500 hours continuous light on one set of batteries.

No.	Galvanized Steel Each	Polished Copper Each	Height Lens Inches	Height Overall Inches	Diam. Base Inches	Weight Pounds
3	\$72.00	\$84.00	5½	16	8½	8½

Figs. 470 and 474—Spare parts and other data.

- No. 1 Red, Green or Amber lens, add \$2.75 each.
- Nos. 2 and 3 Red, Green or Amber lens, add \$7.00 each.
- Light shielded to 112½, 135 or 225 degrees, add \$10.00 each
- Spare bulbs, 6 volt .04 amp. miniature base. \$.45 each.
- Spare lenses, see fig. 261. Spare switches, see fig. 745.
- Spare sockets, \$.25 each.
- Spare battery containers, galvanized, \$12.50 each. Copper, \$16.00 each.
- Spare socket holder with socket, \$2.00 each.

Tri-Color TRAWLER LIGHTS

FOR VESSELS UP TO 75 FEET

ELECTRIC ONLY—MEDIUM SCREW SOCKET
45 DEGREE CLEAR FRESNEL LENS—4 POINT
90 DEGREE RED AND GREEN FRESNEL LENSES—8 POINT
WITH FIG. 131 BACK BRACKET
BOTTOM OPENING—SPRING FOUNT



45 DEGREE CLEAR FRESNEL LENS—4 POINT
90 DEGREE RED AND GREEN FRESNEL LENSES—8 POINT
WITH FOUR LUGS FOR MOUNTING
BOTTOM OPENING—SWIVEL FOUNT



Fig. 407 — No. 1
Oil or
Oil and Electric



Fig. 408 — No. 1
Electric only

Disc

Galv. Steel Each	Spare Lenses Each	Height Less Handle Fig. 407 Inches	Height Fig. 408 Inches	Centers of Lugs Inches	Height Lenses Inches	Weight Fig. 407 Pounds
\$71.00	\$6.50	14¾	11½	8½	6¾	9

Above prices apply to Fig. 407 oil or electric and Fig. 408 electric only, with medium screw socket.

Fig. 407 oil and electric, add \$4.50 each.



"PERKO" Bridge and Pier LIGHTS

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

Regulation PIER LIGHTS

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



Fig. 540

Box Not Tapped, See Below

Each	Height Overall Inches	Width Overall Inches	Weight Pounds
\$32.00	10 1/4	6 3/4	6 3/4



	Fig. 1001 Red and Green Per Pair		Fig. 1002 Clear Each Amber Each		Fig. 1003 Clear Each Amber Each		Fig.	Height Lens Inches	DIMENSIONS Height Body Inches	Size Base Inches	Weight Less Batteries Pounds
	Galvanized	Pol. Brass	Galvanized	Pol. Brass	Galvanized	Pol. Brass					
Each	\$115.00	\$142.00	\$73.00	\$84.50	\$73.00	\$84.50	1001	6 3/4	11	7 1/4 x 7 1/4	18
Spare Lenses	27.50		16.50	28.00	13.25	21.00	1002	7 1/2	13 1/2	9 x 9 1/2	15
							1003	7 1/2	13 1/2	9 x 9 1/2	12

Above prices include bulbs, no batteries.

Spare bulbs, double contact 2.5 volts. 15 amp. S-8 \$1.80 each.

Waterproof Type

2 MILE VISIBILITY—FOR 2 NO. 6 DRY CELLS IN SERIES—WITH SWITCH
200 HOURS CONTINUOUS OPERATION ON ONE SET OF BATTERIES

Side Lights
112 1/2 Degrees



Fig. 1008

Masthead or Range Light
225 Degrees



Fig. 1013

Stern Light
135 Degrees



Fig. 1014

	Fig. 1008 Red and Green Per Pair		Fig. 1013 Clear Each Amber Each		Fig. 1014 Clear Each Amber Each		Fig.	Height Lens Inches	DIMENSIONS Height Body Inches	Size Base Inches	Weight Less Batteries Pounds
	Galvanized	Pol. Brass	Galvanized	Pol. Brass	Galvanized	Pol. Brass					
Each	\$91.00	\$115.00	\$63.50	\$75.00	\$63.50	\$75.00	1008	6 3/4	11	7 1/2 x 7 1/2	15
Spare Lenses	27.50		16.50	28.00	13.25	21.00	1013	7 1/2	13 1/2	9 x 9 1/2	13
							1014	7 1/2	13 1/2	9 x 9 1/2	10

Above prices include bulbs, no batteries.

Bulb is double contact 2.5 volts .15 amp. S-8 \$1.80 each.

Battery containers as illustrated, complete with reflector, socket, bulb and switch, without batteries, \$17.00 each.



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



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



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



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



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



FIG. 68—For electric only, with bottom opening and brass mounting lugs drilled for 3/8 inch diameter bolt and brass packing gland for cable.

FIG. 1025—This is fig. 1005 mounted on 1 inch brass pipe and good sturdy cast bronze flange. Brass packing gland for cable with 2 inch pipe and flange, add \$12.00 each.

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

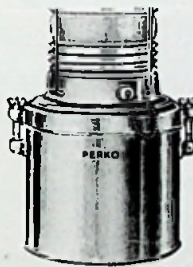


Fig. 474

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

Over 1500 hours continuous light on one set of batteries.

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

Figs. 470 and 474—Spare parts and other data.

No. 1 Red, Green or Amber lens, add \$2.75 each.

Nos. 2 and 3 Red, Green or Amber lens, add \$7.00 each.

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

Spare bulbs, 6 volt .04 amp. miniature base. \$.45 each.

Spare lenses, see fig. 261. Spare switches, see fig. 745.

Spare sockets, \$.25 each.

Spare battery containers, galvanized, \$12.50 each. Copper, \$16.00 each.

Spare socket holder with socket, \$2.00 each.

45 DEGREE CLEAR FRESNEL LENS—4 POINT
90 DEGREE RED AND GREEN FRESNEL LENSES—8 POINT
WITH FOUR LUGS FOR MOUNTING
BOTTOM OPENING—SWIVEL FOUNT



Fig. 407 — No. 1
Oil or
Oil and Electric



Fig. 408 — No. 1
Electric only

Galv. Steel Each	Spare Lenses Each	Height Fig. 407 Inches	Height Fig. 408 Inches	Centers of Lugs Inches	Height Lenses Inches	Weight Fig. 407 Pounds
\$71.00	\$6.50	14 3/4	11 1/2	8 1/2	6 3/4	9

Above prices apply to Fig. 407 oil or electric and Fig. 408 electric only, with medium screw socket.

Fig. 407 oil and electric, add \$4.50 each.

AUTHENTIC MARINE TABLE LAMPS ALL SOLID BRASS—WITH ATTRACTIVE FIBRE GLASS SHADES

Presenting an attractive assortment of table lamps designed for those who have a natural love for the sea and vessels that sail upon it, and who desire a nautical atmosphere or motif in their surroundings, be it their home, boat, office, club or eating place.

Manufactured and designed by this country's oldest and most highly regarded manufacturer of navigation lights, these lamps are the real thing, not imitations.

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

All wired and complete with plug.

"Nautilus"



Fig. 1210

"Corsair"



Fig. 1211

"Neptune"

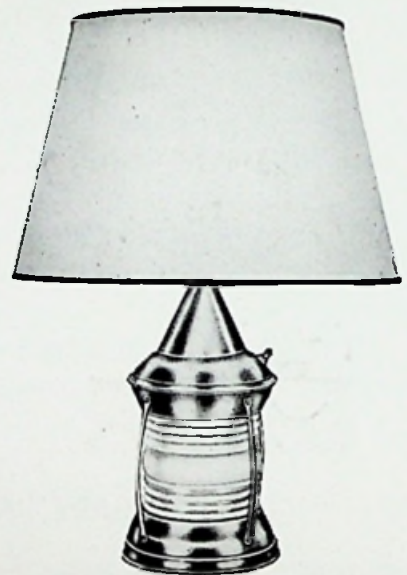


Fig. 1212

Equipped with three way turn switch for light under shade, inside globe or both.

Fig.	Lamp Only Less Shade		Shade Only Each	Height Inches	Diam. Base Inches	Size of Shade Inches	Size of Globe Inches	Weight Pounds
	Polished Brass Each	Chromium Plated Each						
1210	\$40.00	\$48.00	\$10.00	24½	5½	13x14x12	8	4½
1211	22.50	25.50	6.00	15	4¼	7x10x 8	3¾	2½
1212	27.00	31.00	9.75	19¼	5¾	10x14x10	4¼	3

SHADE SPECIFICATIONS

Fig. 1210 Both Finishes—blue burlap over fibre glass, white cotton rope trim top and bottom.

Fig. 1211 Polished Brass—green fish net over fibre glass, gold trim top and bottom.

Fig. 1211 Chromium Plated—blue fish net over fibre glass, white trim top and bottom.

Fig. 1212 Both Finishes—white linen over fibre glass, red trim top and bottom.

NOTE—ABOVE LAMPS SHIPPED COMPLETE WITH SHADE UNLESS OTHERWISE SPECIFIED.

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

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

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

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

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



"Mariner"

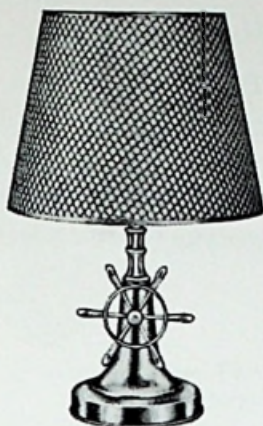


Fig. 1213

"Voyager"



Fig. 1214

"Seafarer"

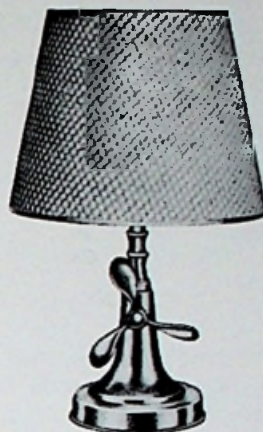


Fig. 1215

"Helmsman"

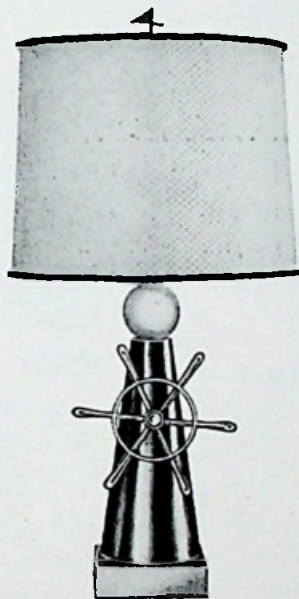


Fig. 1220

"Fog Bell"



Fig. 1268

"Pilot"

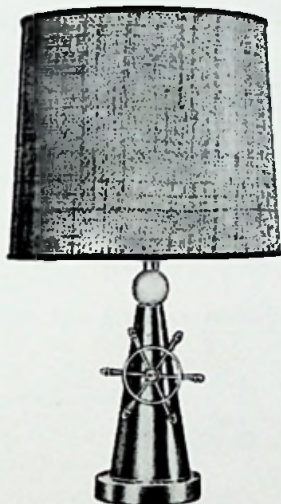


Fig. 1219

Fig.	Lamp Only Less Shade			Shade Only Each	Height Inches	Diam. Base Inches	Size of Shade Inches	*Diameter Wheel Inches	Weight Pounds
	Satin Brass Each	Polished Brass Each	Chromium Plated Each						
1213		\$26.00	\$28.75	\$6.00	15 1/4	5 1/4	7x10x 8		3
1214		21.50	24.50	6.00	15 1/4	5 1/4	7x10x 8		3
1215		21.50	24.50	6.00	15 1/4	5 1/4	7x10x 8		3
1219	\$34.00			8.00	21 1/2	4 3/8	11x12x11	4 5/8	5
1220	49.00			9.75	26 1/4	6	13x14x12	8 1/2	8 3/4
1268		34.00		9.75	25 1/4	11	13x14x12		4

SHADE SPECIFICATIONS

Figs. 1213, 1214, 1215 Polished Brass—green fish net over fibre glass, gold trim top and bottom.

Figs. 1213, 1214, 1215 Chromium Plated—blue fish net over fibre glass, white trim top and bottom.

Fig. 1219 Satin Brass—natural color straw over fibre glass, tan straw trim.

Fig. 1220 Satin Brass—white fish net over fibre glass, red rope trim top and bottom.

Fig. 1268 Polished Brass—egg shell colored fabric, all fibre glass, gold trim top and bottom.

NOTE—ABOVE LAMPS SHIPPED COMPLETE WITH SHADE UNLESS OTHERWISE SPECIFIED.

Sizes of shade shown above are 1st, diameter of top; 2nd, diameter of bottom; 3rd, height.

*Diameter of wheel is measured from end to end of handles.

As is



**Junior
CABIN
LAMP**

Double Swing—Weighted Base
All Brass

Fig. 168

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

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



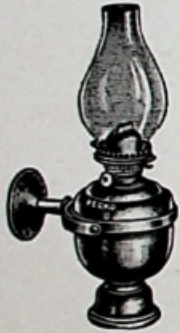
**Philadelphia
CABIN
LAMP**

Double Swing—Weighted Base
Removable Fount—All Brass

Fig. 137

With 2½ inch diameter wall plate, hinge burner Fig. 242 No. 2 and 6 inch chimney Fig. 267 No. 2.

No.	Polished Brass Each	Chromium Plated Each	Overall Height Inches	Extension Inches	Capacity Pints	Weight Pounds
4	\$19.50	\$24.00	14	8½	1½	3¼



**Newport
CABIN
LAMP**

Double Swing—Weighted Base
All Brass

Fig. 141

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

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

SPARE PARTS FOR CABIN LAMPS

No.	Each
0 and 1 Spare Burners Fig. 231	\$.85
0 and 1 Spare Chimneys Fig. 230	.85
2 and 4 Spare Burners Fig. 242 No. 2	2.90
2 and 4 Spare Chimneys Fig. 267 No. 2	1.38



**Universal
WALL
LAMP**

Tin Plate or Brass

Fig. 312

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

Polished Tin Each	Polished Brass Each	Spare Chimneys Each	Spare Burners Each	Height of Back Inches	Diam. of Fount Inches	Weight Pounds
\$6.30	\$8.60	\$1.30	\$1.00	9	5	1¾

SMOKE BELL AND ARM

All Brass



Fig. 128

No.	Polished Brass Each	Chromium Plated Each	Diam. Bell Inches	Extension to Center Inches	Weight Ounces
0	\$3.50	\$4.75	3½	3½	3½
1	3.50	4.75	4	3¾	4
2	3.50	4.75	4	4	4
4	3.75	5.00	6¼	6½	7

No. 0 size is for lamp Fig. 168.

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

No. 4 size is for lamp Fig. 137.



Electric CABIN FIXTURES

With Medium Screw Sockets

For 6—12—32 or 110 Volts



*See
Spec*

Streamline Pattern

Zamak Die Casting—Chromium Plated
With Turn Switch

Fig. 217

Chromium Plated Each	Size Base Inches	Drop Less Lamp Inches	Depth Less Lamp Inches	Weight Ounces
\$2.65	2½ x 2¼	2¼	2½	8

Spare socket with switch, \$.95 each.
Standard Package, 25*
Large Package, 100*



Square Base Pattern

Cast Bronze—With Toggle Switch

Fig. 450

Polished Bronze Each	Chromium Plated Each	Size Base Inches	Drop Less Lamp Inches	Projection Less Lamp Inches	Weight Ounces
\$5.00	\$5.50	2 x 2	2	2¾	12

Spare interior with switch, \$1.00 each.
Standard Package, 25*



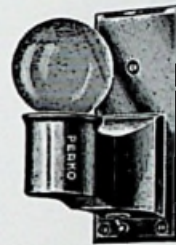
Upright Pattern

Zamak Die Casting—Chromium Plated
With Turn Switch

Fig. 225

Chromium Plated Each	Size Base Inches	Length Overall Inches	Projection Less Lamp Inches	Weight Ounces
\$3.50	3¼ x 2¼	5¾	2¾	10

Spare socket with switch, \$.95 each.
Standard Package, 25*



Upright Pattern

Cast Bronze—With Toggle Switch

Fig. 304

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

Spare interior with switch, \$1.00 each.
Standard Package, 25*



Oval Base Pattern

Zamak Die Casting—Chromium Plated
With Turn Switch

Fig. 1237

Chromium Plated Each	Size Base Inches	Drop Less Lamp Inches	Projection Less Lamp Inches	Weight Ounces
\$3.65	4½ x 1¾	4½	2¾	6

Spare socket with switch, \$.95 each.
Standard Package, 25*



Round Base Pattern

Spun Brass—With Turn Switch

Fig. 308

Polished Brass Each	Chromium Plated Each	Diam. Base Inches	Drop Less Lamp Inches	Projection Less Lamp Inches	Weight Ounces
\$4.00	\$4.75	2½	2½	3	6

Spare socket with switch, \$.95 each.
Standard Package, 25*

PRICES ON THIS PAGE DO NOT INCLUDE BULBS. WHEN ORDERING BULBS, SPECIFY VOLTAGE AND CANDLEPOWER, FROSTED OR CLEAR. ABOVE FIXTURES ARE SUPPLIED NOT WIRED.



Double Ceiling FIXTURE

Cast Bronze—Medium Screw Sockets
With Toggle Switch



Fig. 451

Polished Bronze Each	Chromium Plated Each	Size Base Inches	Extension from Ceiling Inches	Weight Ounces
\$10.00	\$11.50	3½ x 2	2¾	14

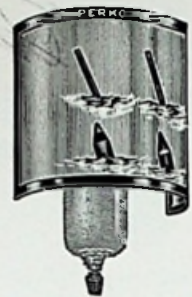
Spare interior only, \$1.00 each.

Marine SHIELDS For Fixtures

Parchment Paper
Hand Painted or Plain



For Hanging Bulb
Fig. 27



For Upright Bulb
Fig. 28

A marine design hand painted in colors makes these shields very decorative and appropriate for a yacht stateroom, cabin, club or marine room.

Metal clip is for a bulb up to 60 watts.

Painted Each	Plain Each	Width Inches	Depth Inches	Weight Ounces
\$2.50	\$1.80	4	3¾	1½

"Tear-Drop" FIXTURE

Chromium Plated
Double Contact Socket—Turn Switch



Front View



Side View

Fig. 301

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

Complete Each	Spare Globe Each	Spare Socket Each	Spare Bulb Each	Overall Size Inches	Depth Inches	Weight Ounces
\$5.75	\$1.00	\$0.50	\$0.50	5 x 3	1¾	11

Spare Switches, \$1.00 each.

Spare Gaskets, \$.30 each.

WATERTIGHT DOME LIGHT

Cast Bronze—Double Contact Socket
With Threaded Diffusing Globe

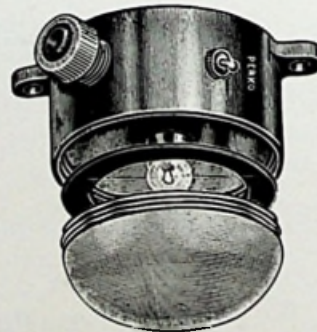


Fig. 1266

For small boats. Will accommodate up to a 50 C.P. No. RP-11 bulb. With nickel plated reflector, toggle switch and one packing gland for cable.

Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Extreme Diam. Inches	Diam. Globe Inches	Extreme Depth Inches	Weight Pounds
\$13.50	\$15.00	\$17.00	3½	3¾	2¾	1¼

Spare Sockets, \$.60 each.

Spare Globes, \$1.00 each.

Extra Packing Glands installed, \$2.00 each gland.

DASHBOARD LAMP

Brass—Nickel Plated
Double Contact Socket—With Switch



Fig. 184

Bulb is not included.

Each	Height Overall Inches	Size Base Inches	Weight Ounces
\$1.10	2¾	1¾ x 1½	1½

As is



DOMES LIGHTS

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



Fig. 294

Diam. Glass Inches	Chromium Plated Each	Diam. Base Inches	Depth Overall Inches	Weight Ounces
3	\$ 8.75	4 1/4	2	6
4	10.00	5 1/2	2 1/4	9
5	11.00	6 1/2	2 1/2	15
6	13.25	7 1/2	2 3/4	20

Spare sockets, see fig. 747, No. 2.

NEW DOME LIGHTS

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



Fig. 383

Diameter Glass Inches	Chromium Plated Each	Diameter Base Inches	Depth Overall Inches	Weight Ounces
4	\$7.50	5 1/2	1 1/4	9
5	8.00	6 1/4	2	13

Spare sockets, see fig. 747, No. 2

1/2/58
W M G.
4" 2.97
5" 3.22

DOMES LIGHTS

Wrought Brass—With Fig. 132 Frosted Glass
Toggle Switch—Double Contact Socket



Fig. 296

Diam. Glass Inches	Chromium Plated Each	Diam. Base Inches	Depth Overall Inches	Weight Ounces
3	\$ 8.75	4 1/4	1 1/4	5 1/2
4	10.00	5 1/2	1 1/8	8 1/2
5	11.00	6 1/2	2	12
6	13.25	7 1/2	2 1/8	15

Spare sockets, see fig. 747, No. 2.

DOMES LIGHTS

Cast Bronze—With Toggle Switch
With Fig. 257 Ribbed Diffusing Glass



Fig. 555

No. 1 has Fig. 747 double contact socket and will accommodate a 50 C.P. bulb.

No. 2 has Fig. 346 medium screw socket and will accommodate a 15 watt A-17 bulb Fig. 340 or any listed size of Fig. 8.

No.	Chromium Plated Each	Diam. Glass Inches	Diam. Base Inches	Depth Inches	Weight Pounds
1	\$17.75	4	5 1/2	1 1/4	1 1/4
2	23.50	6	7 1/4	3 1/4	3 3/4

DOMES LIGHTS

Wrought Brass—With Opal Globe—Toggle Switch
Double Contact or Medium Screw Socket



Fig. 385

With Fig. 747 No. 2 Double Contact Socket

No.	Chromium Plated Each	Diam. Base Inches	Diam. Globe Inches	Depth Inches	Weight Ounces
7	\$10.50	6	4 1/4	2 3/8	12
8	12.00	7	5 3/4	2 3/8	15

With Fig. 346 Medium Screw Socket

9	\$12.50	7	5 3/8	2 3/8	16
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Bulb with medium screw base for this light, see Fig. 8.
Spare globes, see Fig. 133.

DOMES LIGHTS

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

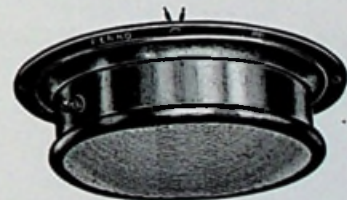


Fig. 753

Will accommodate a bulb up to 100 watts.

Chromium Plated Each	Diam. Base Inches	Diam. Glass Inches	Depth Overall Inches	Weight Pounds
\$21.00	9 3/8	8	3	2

SPARE TOGGLE SWITCHES FOR ALL ABOVE LIGHTS, SEE FIG 745

Standard Package, Entire Page, 12*



STANDARD MARINE RECEPTACLES AND PLUGS

Watertight—Cast Bronze Boxes—Polarized—10 Amp. 125 Volts

Plugs for Receptacles

BAKELITE BODY — BRASS FITTINGS



Fig. 1260

Type	Each	Overall Length Inches	Diam. Body Inches	Weight Ounces
2 wire	\$2.45	2 $\frac{3}{8}$	1 $\frac{1}{8}$	4
3 wire	3.35	2 $\frac{3}{8}$	1 $\frac{1}{8}$	4

Note—When used with the rubber grommet in cap these will accommodate $\frac{3}{8}$ inch outside diameter cable. Without grommet, use $\frac{1}{8}$ inch O. D. cable.

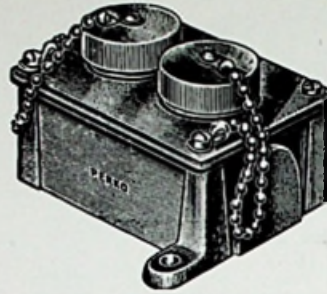


Fig. 1265

GANG TYPE
2 wire only

	Each
2 gang	\$15.50
3 gang	23.45
4 gang	29.00

Gang	Size Inches	Weight Pounds
2	4 $\frac{1}{8}$ x3x2	3
3	6 $\frac{1}{4}$ x3x2	3 $\frac{3}{4}$
4	8 x3x2	5 $\frac{1}{4}$

Receptacles

FURNISHED UNTAPPED UNLESS SPECIFIED
MAXIMUM I. P. S. THREAD $\frac{3}{8}$ INCH

SURFACE TYPE

2 wire only



Fig. 1262

Each	Diam. Inches
\$9.30	3
Height Inches	Weight Pounds
1 $\frac{1}{8}$	2 $\frac{1}{4}$

FLUSH TYPE

2 wire only

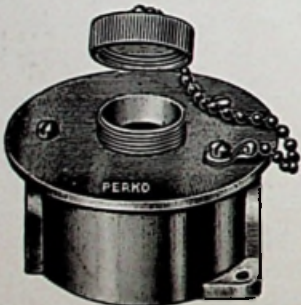


Fig. 1263

Each	Diam. Box Inches	Diam. Flange Inches
\$13.25	3	4
Depth Inches	Weight Pounds	
1 $\frac{1}{8}$	2 $\frac{1}{2}$	

Single Switch and Receptacle

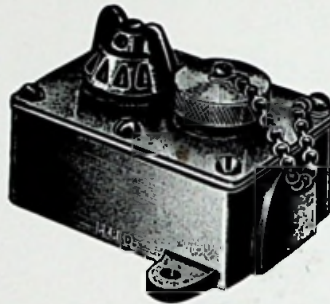


Fig. 1267

Each
\$16.80

Size Inches	Weight Pounds
4 $\frac{1}{8}$ x3x2	3

Supplied in other combinations such as single switch and double receptacle etc. Price on application.

Watertight Connection Box

CAST BRONZE — SURFACE TYPE

With 4 wire phenolic connection block and rubber gasket.

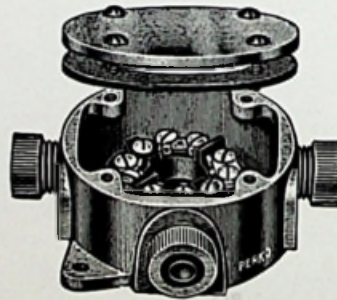


Fig. 1252

Complete Each	Spare Blocks Each
\$9.90	\$3.00

Inside Diam. Inches	Inside Depth Inches	Weight Pounds
3	1 $\frac{1}{8}$	1 $\frac{3}{4}$

Price does not include packing glands in illustration.

Watertight Fuse Box

CAST BRONZE — SURFACE TYPE

With fuse block for 2 glass fuses up to 30 amp., and rubber gasket.

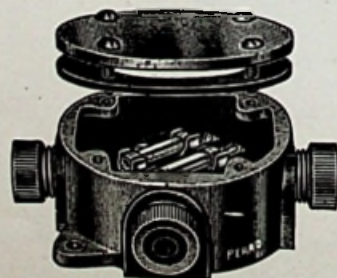


Fig. 1255

Complete Each	Spare Fuse Blocks Each
\$9.90	\$3.80

Inside Diam. Inches	Inside Depth Inches	Weight Pounds
3	1 $\frac{1}{8}$	1 $\frac{3}{4}$

Price does not include fuses or packing glands in illustration.

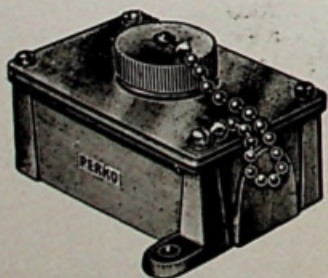


Fig. 1264

RECTANGULAR TYPE

2 and 3 wire

	Each
2 wire	\$10.90
3 wire	11.30

Size Box Inches	Weight Pounds
4 $\frac{1}{8}$ x3x2	3

NOTE: ALL BOXES HAVE ONE $\frac{1}{2}$ " I.P.S. TAPPING. EXTRA TAPPINGS ADD \$.45 FOR EACH HOLE. PACKING GLANDS FOR ABOVE \$1.25 EACH.



YACHT SIZE RECEPTACLES AND PLUGS

Watertight—Cast Bronze Boxes—Voltages 6 to 125

AS SMALL AND AS COMPACT AS PRACTICABLE FOR INSTALLATION WHERE SPACE IS LIMITED

ROUND FLUSH TYPE WITHOUT BOX
5 AMP. — 2 WIRE



Fig. 968

Complete With Plug Each	Plug Only Each	Diam. Plate Inches	Depth Inches	Weight Pounds
\$12.50	\$4.70	2 1/4	3/4	1/2

ROUND FLUSH TYPE WITH BOX
5 AMP. — BOTTOM INLET — 2 WIRE

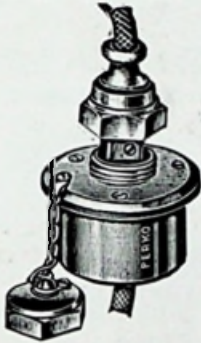
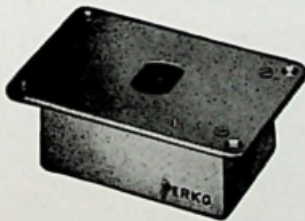


Fig. 969

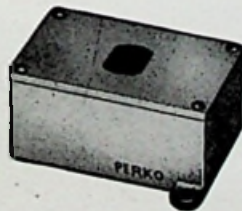
Complete With Plug Each	Plug Only Each	Diam. Plate Inches	Diam. Box Inches	Depth Box Inches	Weight Pounds
\$17.30	\$4.70	2 1/4	1 3/8	1 1/4	3/4

CONVENIENCE OUTLETS for Standard 2 Wire Plugs

10 AMP. 250 VOLTS — 15 AMP. 125 VOLTS
CAST BRONZE BOX
FLUSH OR SURFACE MOUNTING



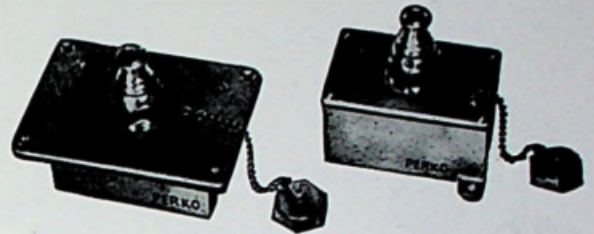
Flush Type
Fig. 964



Surface Type
Fig. 965

	Fig. 964 Complete Each	Fig. 965 Complete Each	Dimensions Box Inches	Weight Pounds
Single	\$7.70	\$7.25	3 1/8 x 2 1/8 x 1 1/2	1 1/2
Double	9.30	8.75	3 1/8 x 2 1/8 x 1 1/2	1 3/4

RECTANGULAR TYPE WITH BOX
5 AMP. — SIDE INLET — 2 WIRE
FLUSH OR SURFACE MOUNTING



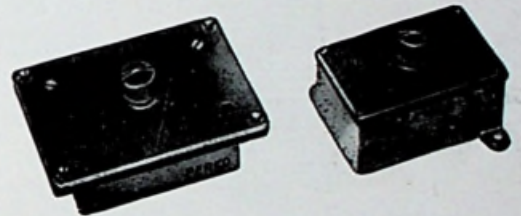
Flush Type
Fig. 980

Surface Type
Fig. 981

	Fig. 980 Complete Each	Fig. 981 Complete Each	Plugs Only Each	Dimensions Box Inches	Weight Pounds
Single	\$15.00	\$14.00	\$4.70	3 3/8 x 2 1/8 x 1 1/2	1 1/2

Watertight TURN SWITCHES

5 AMP. — SIDE INLET — SINGLE POLE — 2 WIRE
FLUSH OR SURFACE MOUNTING



Flush Type
Fig. 988

Surface Type
Fig. 993

	Fig. 988 Complete Each	Fig. 993 Complete Each	Dimensions Box Inches	Weight Pounds
Single	\$8.75	\$7.25	3 3/8 x 2 1/8 x 1 1/2	1 1/2

Weatherproof DOCK RECEPTACLE

with Self-Closing Cover

For Ship to Shore Connections

10 AMP. 250 VOLTS — 15 AMP. 125 VOLTS
CAST BRONZE BOX
FOR STANDARD 2 WIRE PLUG

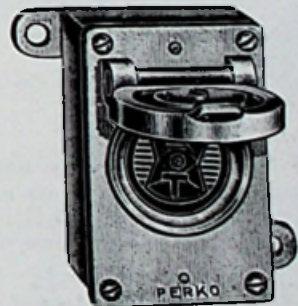


Fig. 975

	Each	Dimensions Box Inches	Weight Pounds
	\$17.75	3 3/8 x 2 1/2 x 1 3/8	3

NOTE: ALL BOXES HAVE ONE 1/2" I.P.S. TAPPING. EXTRA TAPPINGS ADD \$.45 FOR EACH HOLE. PACKING GLANDS FOR ABOVE \$1.25 EACH.



YACHT SIZE RECEPTACLES AND PLUGS

Watertight—Cast Bronze Boxes—Voltages 6 to 125

AS SMALL AND COMPACT AS PRACTICABLE FOR INSTALLATION WHERE SPACE IS LIMITED

HEAVY DUTY TYPE—10 AMP.—2 WIRE



Fig. 970
Flush Type



Fig. 971
Surface Type

Fig. 970 Complete Each	Fig. 971 Complete Each	Plugs Only Each	Diam. Plate Fig. 970 Inches	Diam. Box Fig. 971 Inches	Weight Pounds
\$17.25	\$16.25	\$4.70	3½	2¾	1¾

HEAVY DUTY TYPE—10 AMP.—2 WIRE
DOUBLE OR TRIPLE



Fig. 972

	Complete Each	Plugs Only Each	Dimensions Box Inches	Weight Pounds
Double	\$29.80	\$4.70	4½x2½x1¾	3¾
Triple	37.00	4.70	5½x2½x1¾	4

Ship to Shore CONNECTOR

110 VOLTS—25 AMPS.
ALL BRASS METAL PARTS

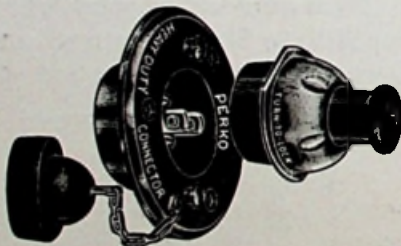


Fig. 72

Bakelite base has heavy duty male terminals. Plug is phenolic with bronze female prongs, all rubber covered. Will accommodate No. 10 wire. Plug locks in base. A chained rubber cap for base when disconnected.

Complete Each	Diam. Base Overall Inches	Depth of Base Inches	Diam. Hole Required Inches	Weight Ounces
\$3.25	3¾	¾	1¾	5

Plug complete with female interior, each \$2.50.
Spare female plug interior only, each \$.85.

NOTE: ALL BOXES HAVE ONE ½" I.P.S. TAPPING. EXTRA TAPPINGS ADD \$.45 FOR EACH HOLE.
PACKING GLANDS FOR ABOVE \$1.25 EACH.

HEAVY DUTY TYPE—10 AMP.—2 WIRE
SINGLE OR DOUBLE RECEPTACLE WITH SWITCH

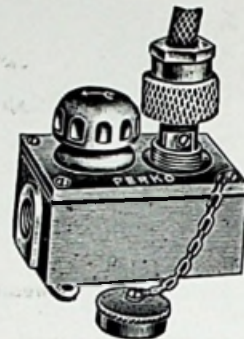


Fig. 973

	Complete With Plug Each	Plugs Only Each	Dimensions Box Inches	Weight Pounds
Single	\$25.00	\$4.70	4½x2½x1¾	3½
Double	36.75	4.70	5½x2½x1¾	4

Watertight JUNCTION BOX

CAST BRONZE—SURFACE TYPE

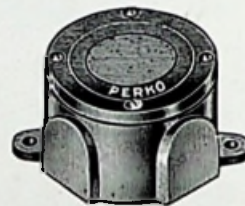


Fig. 1257

With rubber gasket, for 4 way tapping.

No.	Each	Inside Diam. Inches	Inside Depth Inches	Weight Pounds
1	\$6.00	2¾	1¾	1
2	7.80	3	1¾	1¾

Watertight SNAP SWITCH

FLUSH TYPE OR SURFACE TYPE—10 AMP.
2 WIRE

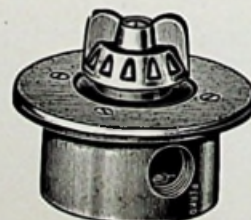


Fig. 974

Ratchet under knob to prevent turning in wrong direction.

	Flush Type	Surface Type	Diam. Plate Inches	Diam. Box Inches	Depth Box Inches	Weight Pounds
Single Pole	\$12.85	\$11.95	4	3	1½	2
Double Pole	14.90	13.50	4	3	1½	2



Watertight CONNECTION
DOUBLE CONTACT

Deck Socket

All Metal Plug

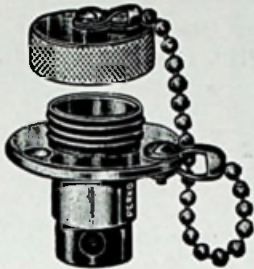


Fig. 423

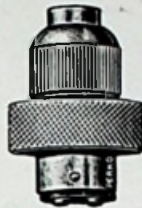


Fig. 425

DECK SOCKET. All brass, double contact, complete with threaded cap and chain as illustrated.

PLUG. All brass, double contact, threaded lock nut for fastening to deck socket, Fig. 423. Threaded cap with rubber gasket inside to prevent water running down cable.

	Polished Brass Each	Chromium Plated Each	Dimensions Inches
Socket Only	\$2.55	\$3.60	1 1/2 x 1 3/8
Plug Only	2.55	3.60	1 1/2 x 1

Spare electric sockets only, see fig. 747, No. 2.

Watertight CONNECTION
BRASS — DOUBLE CONTACT



Fig. 477

Complete as illustrated, with rubber grommet inside cap for cable.

	Polished Brass Each	Chromium Plated Each	Composition Interiors Only Per Set	Size Inches
	\$4.50	\$5.50	\$.65	1 1/2 x 1 1/4

Watertight CABLE OUTLET
BRASS — FOR 3/16 INCH CABLE



Fig. 424

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

	Polished Brass Each	Chromium Plated Each	Extreme Diameter Inches
	\$1.60	\$2.35	1 1/4

Medium Screw SOCKETS

PHENOLIC — 250 VOLTS — 660 WATTS
APPROVED BY U.S.C.G. AND U.S.M.C.



Fig. 346

With 1/8 or 3/8 inch I. P. S. thread.

No.	Each	Size Thread Inches
1	\$.70	1/8
2	.70	3/8

No.	Height Inches	Extreme Diameter Inches	Weight Dozen Pounds
1	1 1/4	1 3/8	1
2	1 1/4	1 3/8	1

Mogul 3 Wire SOCKET

PHENOLIC — NAVY DRAWING 9-4779-L
600 VOLTS — 1500 WATTS



Fig. 270

For use with double filament bulb Fig. 532.

Each	Height Inches	C to C of Mounting Holes Inches	Weight Ounces
\$4.00	2 3/8	1 3/8	6

With white metal mounting cap tapped 3/8 inch I. P. S.

"Midget" CONNECTORS

BAKELITE BODY — BRASS CONTACTS
DOUBLE CONTACT

3/31/58
\$36.20 C

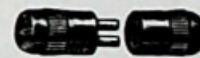


Fig. 26

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

Each	Size Inches	Weight Dozen Ounces
\$1.20	3/8 x 1 1/8	6

Fused Line CONNECTOR

MOLDED BAKELITE

WITH 20 AMP. FUSE AND WIRE LEADS

3/28/58
.14 20c



Fig. 786

FOR STANDARD GLASS FUSES 1 1/4 INCHES LONG

Each	Length Inches	Diameter Inches	Weight Ounces
\$.50	2 1/4	3/8	3/4



Medium Screw SOCKETS PORCELAIN—250 VOLTS—660 WATTS

2/2/53
12.00 C
12.00 C - 6/14/55
LAST PURCHASE



Fig. 222

No.	Complete Each	Gaskets Only Each	Height Inches	Size Base Inches	C to C of Slots Inches
1	\$.90	\$.12	1 3/8	2 x 1 1/4	1 1/2
2	1.25	.12	1 3/8	1 3/4 x 1 1/4	1 1/2

No. 1 size is standard.

No. 2 size has special small size base for Figs. 488 and 489 mast lights.

Bayonet Double Contact SOCKETS BRASS CASE—HARD RUBBER INSULATION

1 - .11.5ea
2 - .15 ea
5 - .17 ea
6 - .19 3/4 ea
7 - .23 3/4 ea



Fig. 747

No.	Each	Length Inches	Weight Dozen Ounces
1	\$.60	3/8	5
2	.60	1	5
5	.60	1 1/4	6
6	.60	1 1/2	8
7	.60	2	9

Outside diameter, all sizes, 1 1/8 inches.

No. 1 Wires enter side, screws in bottom.

No. 2 Wires enter bottom, screws in same side.

Nos. 5, 6, 7 Wires enter side, screws in bottom.

Note—No. 1 used in lights Figs. 563, 1138, 1140, ~~1202, 1274, 1275~~, etc.

No. 2 used in pole lights, dome lights, etc.

Electric Socket ADAPTERS

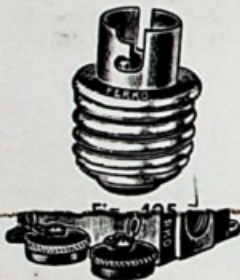


Fig. 972

	Complete Each	Plugs Only Each	Dimensions Box Inches	Weight Pounds
Double	\$29.80	\$4.70	4 1/2 x 2 1/2 x 1 1/4	3 3/4
Triple	37.00	4.70	5 1/2 x 2 1/2 x 1 3/4	4

Ship to Shore CONNECTOR

110 VOLTS — 25 AMPS.
ALL BRASS METAL PARTS

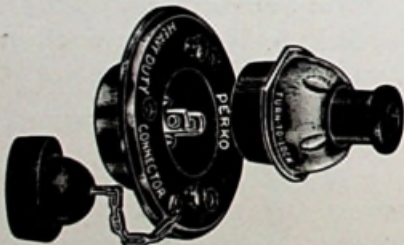


Fig. 72

Bakelite base has heavy duty male terminals. Plug is phenolic with bronze female prongs, all rubber covered. Will accommodate No. 10 wire. Plug locks in base. A chained rubber cap for base when disconnected.

Complete Each	Diam. Base Overall Inches	Depth of Base Inches	Diam. Hole Required Inches	Weight Ounces
\$3.25	3 3/4	3/4	1 1/4	5

Plug complete with female interior, each \$2.50.

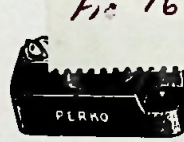
Spare female plug interior only, each \$.85.

NOTE: ALL BOXES HAVE ONE 1/2" I.P.S. TAPPING. EXTRA PACKING GLANDS FOR ABOVE \$1.25 EACH.

N FIG. 15 4/21/58 \$25.00 C IS

FIG 76 9/8/55 22.00 C

LAST PURCHASE



Candelabra Screw
Fig. 15



Bayonet Double Contact
Fig. 76

Fig. 15 complies with Navy Drawing 9-S-2036-L.

Fig. 76 complies with Navy Drawing 9-S-4634-L.

Fig.	Each	Height Inches	Size Base Inches	Weight Dozen Ounces
15	4/21/58 \$.90 25.00 C	1 1/8	1 x 1 1/2	12
76	9/8/55 .90 22.00 C	1 1/8	1 x 1 1/2	16

Bayonet SOCKETS PHENOLIC—SINGLE AND DOUBLE CONTACT



Fig. 472

No.	Each	Type	Height Inches	Diam. Base Inches	Weight Dozen Ounces
20	\$1.00	Double contact	3/8	1 1/2	12
21	1.00	Single contact	1	1 3/8	9

juste 10/57



Run out stock & use
Bayonet Double Contact SOCKET

FLANGED TYPE—BRASS AND HARD RUBBER



Fig. 377

Each	Length Inches	Diam. Inches	Weight Dozen Ounces
\$.85	1 1/4	1 1/8	9
	Size-Flange Inches	C to C of Holes Inches	
	1 1/8 x 1 1/2	1 3/8	

7/2/56
49 50 M

Double Contact PLUG AND SOCKET



Fig. 399

Plug and socket insulation is hard rubber. All metal parts are brass.

Mark off

Per Set	Size Flange Inches	Outside Diam. Socket Inches	Length Socket Inches	Wt. Doz. Oz.
\$1.30	1 1/8 x 1 1/2	1 1/8	1 3/8	14

Bayonet Double Contact ADAPTER

ALL BRASS

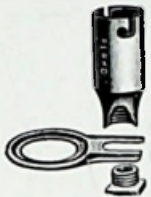


Fig. 458

For adapting oil lights to combination oil and electric. Just remove burner from fount, place collar around threaded portion of burner and replace assembly in oil fount. Consists of double contact bayonet socket, collar and hollow nut.

Per Set Complete\$1.95

Double Contact CONNECTORS

HARD RUBBER INSULATION—BRASS CONTACTS WITH SOFT RUBBER WATERPROOF CAPS



Fig. 749

4/11/58
.185 ea

Bayonet Double Contact ADAPTER

BRASS AND HARD RUBBER

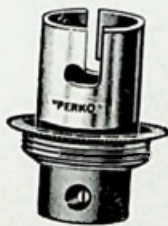


Fig. 355

For adapting oil fount to electricity. Screw adapter in place of oil burner and punch hole in bottom of fount for cable entrance.

Each	Overall Length Inches	Diam. Thread Inches	Weight Dozen Ounces
\$1.20	1 1/4	3/8	8

Each	Size Inches	Weight Dozen Ounces
\$.75	1 1/8 x 2 1/2	10

"Midget" CONNECTORS

BAKELITE BODY—BRASS CONTACTS DOUBLE CONTACT

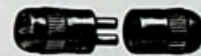


Fig. 26

3/31/58
\$36.20 c

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

Bayonet Double Contact PLUG

HARD RUBBER PLUG

SOFT RUBBER WATERPROOF CAP



Fig. 746

With flush type contact screws, used with sockets Figs. 76, 276, 377, 472, 747.

Fused Line CONNECTOR

MOLDED BAKELITE

WITH 20 AMP. FUSE AND WIRE LEADS



Fig. 786

3/25/58
.14 ea

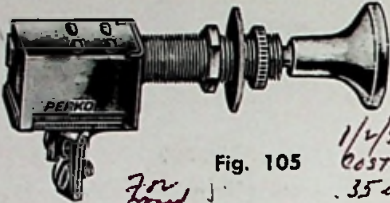
Fig. 746 Each	Length Inches	Diam. Inches	Weight Dozen Ounces
\$.50	1 1/2	1 3/8	8

FOR STANDARD GLASS FUSES 1 1/4 INCHES LONG

Each	Length Inches	Diameter Inches	Weight Ounces
\$.50	2 1/4	3/8	3/4



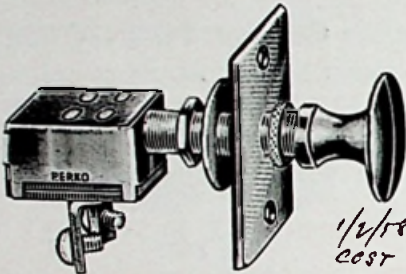
Improved Push and Pull SWITCH ALL BRASS THROUGHOUT — 3/4 INCH KNOB



Chromium Plated Each	Diam. Neck Inches	Length Neck Inches	Length Overall Inches	Diam. Knob Inches	Weight Ounces
\$1.20	3/8	1	3	3/4	2

For Stud
Fig. 105
1 1/2" 58
cost
.35 u

Improved Push and Pull SWITCH WITH FACE PLATE ALL BRASS THROUGHOUT — 3/4 INCH KNOB

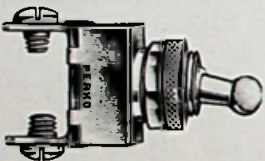


Chromium Plated Each	Diam. Neck Inches	Length Neck Inches	Diam. Knob Inches	Size Face Plate Inches	Weight Ounces
\$1.40	3/8	1	3/4	1 7/8 x 1	2 1/2

Fig. 216

1 1/2" 58
cost
.46 u

Toggle SWITCH ALL BRASS THROUGHOUT SCREW POSTS—NO LEADS



Nickel Plated Each	Length Neck Inches	Diam. Neck Inches	Between Lock Nuts Inches	Weight Ounces
\$.90	3/8	3/8	3/8	3/8

Fig. 688

1 1/2" 58
3.75 c

TOGGLE SWITCH with Face Plate BRASS WITH BAKELITE INSULATION SCREW POSTS—NO LEADS



Chromium Plated Each	Size Face Plate Inches	Weight Ounces	Each	Diameter Neck Inches	Length Neck Inches	Weight Ounces
\$1.05	1 3/8 x 1	3/4	\$2.00	3/8	3/4	4

Fig. 718

4/11/58
56.50 m
23 75 c

Toggle SWITCHES

BRASS WITH BAKELITE INSULATION
New Cost WITH 6 INCH WIRE LEADS

1-170.00 m
2-180 m



Fig. 745

6 L D
1-24.29 c
2-24.29 c

No.	Nickel Plated Each	Length Neck Inches	Diam. Neck Inches	Between Lock Nuts Inches	Weight Ounces
1	\$.95	3/8	3/8	3/8	3/8
2	.95	3/8	3/8	3/8	3/8

No. 2 supplied unless otherwise specified.
With watertight cap and chain, add \$1.00 each.

Momentary Starter SWITCH OR DASHBOARD HORN BUTTON PUSH BUTTON TYPE—ALL BRASS



Fig. 255

2 point, 2 terminal spring action switch with chromium plated button.

Each	Diameter Neck Inches	Length Neck Inches	Weight Ounces
\$1.60	3/8	1 3/8	2 1/2

2 1/2" 6/18
45.25 c

Ignition Lock SWITCH

30 AMP. 6 VOLTS—15 AMP. 12 VOLTS
2 TERMINAL—2 KEYS

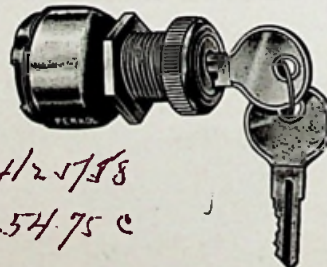


Fig. 316

Brass lock, switch, terminal screws and lock nut. Face plate is chromium plated.

4/25/58
54.75 c

Standard Package, Entire Page, '36*

FIGS. 688, 718 and 316 Rated 30 Amp. 6 Volts. Balance of page, 20 Amp., 6 Volts



Knife or Battery SWITCHES

EBONY ASBESTOS BASE—HIGH JAWS
ONE OR TWO POLE
SINGLE OR DOUBLE THROW
250 VOLT D.C.—500 VOLT A.C.



Fig. 191

SINGLE POLE—SINGLE THROW

No.	Each	Amps.	Dimensions Base Inches	Weight Pounds
1	\$ 4.35	60	6 3/4 x 1 3/8 x 3/8	3/4
2	8.60	100	6 3/4 x 2 x 3/4	2 1/2
3	15.25	200	10 x 3 x 1	4

SINGLE POLE—DOUBLE THROW

4	6.95	60	9 1/4 x 2 x 3/4	2 1/2
5	16.00	100	10 x 3 x 3/4	4
6	24.95	200	12 x 4 x 1	8

DOUBLE POLE—SINGLE THROW

7	6.70	60	6 x 4 1/2 x 5/8	3
8	13.00	100	7 1/8 x 5 x 3/4	5 1/2
9	23.25	200	9 1/2 x 6 x 1	10 1/4

DOUBLE POLE—DOUBLE THROW

10	10.25	60	9 1/2 x 6 x 3/4	5 1/4
11	25.00	100	10 1/4 x 7 x 3/4	8 1/2
12	36.50	200	15 x 7 1/4 x 1	16

FIBRE BASE—SINGLE POLE—30 AMP.



Fig. 70

	Each	Dimensions Base Inches	Weight Ounces
Single Throw	\$2.70	2 1/2 x 1 1/8	1 3/4
Double Throw	3.40	3 3/4 x 1 1/8	2 1/2

Horn PUSH BUTTON

BRASS — CHROMIUM PLATED
BAKELITE BUTTON AND INTERIOR



Fig. 275

Chromium Plated Each	Length Overall Inches	C to C Holes Inches	Diam. Inches	Weight Ounces
\$1.20	2 5/8	2 1/8	1 1/2	1

Standard Package, 25

Line SUPPORT CLIPS

ALUMINUM
WITH SYNTHETIC RUBBER CUSHION

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



Fig. 163
Single



Fig. 164
Double



Fig. 165
Triple

For O.D. Line Inches	FIG. 163 Per 100	FIG. 164 Per 100	FIG. 165 Per 100	Width Inches
3/16	\$5.75	\$13.00	\$17.35	3/8
1/4	6.00	13.30	18.50	3/4
5/16	6.25	13.50	18.75	1/2
3/8	6.25	14.25	18.75	1/2
1/2	7.50	15.50	22.00	1/2

Supplied in Boxes of 100 Pieces
Standard Package, 1000 Pieces**

Brass CABLE STRAPS

FOR CABLE, TUBING, CONTROL WIRE, ETC.



Fig. 121

Inside Diam. Inches	Per 100	Length Inches	Width Inches
1/8	\$2.70	1 1/8	1/2
3/16	3.00	1 3/8	1/2
1/4	3.25	1 5/8	1/2
5/16	3.25	1 7/8	1/2
3/8	3.60	1 7/8	1/2
7/16	3.90	1 7/8	1/2
1/2	4.20	1 1/2	1/2
5/8	5.00	1 3/4	1/2
3/4	5.50	1 7/8	1/2

Supplied in boxes of 100 pieces.
Standard Package, 1000 Pieces**

Watertight PUSH BUTTONS

CAST BRONZE



Fig. 978

With nickel silver springs, platinum contacts, rubber gaskets and pig skin cap over button, with screws.

Polished Bronze Each	Chromium Plated Each	Diam. Base Inches	Weight Ounces
\$7.20	\$8.95	2 5/8	6

COST 270.00 M 7/27/58



SWITCH PANELS

BLACK BAKELITE PANEL—WHITE LETTERING
BRASS, NICKEL PLATED TOGGLE SWITCHES
WITH OR WITHOUT FUSE HOLDERS

All lettering is engraved. "On" position of switch is indicated. Fuse holders are the enclosed type for glass fuses up to 30 amp.

SINGLE SWITCH PANEL



Fig. 516

Supplied complete with any one of the Fig. 519 name plates shown below, please specify.

With Fuse Holder Each ~~\$1.90~~

Without Fuse Holder Each	With Fuse Holder Size Inches	Without Fuse Holder Size Inches	Standard Package
\$2.25	4 1/2 x 1 1/4	3 3/4 x 1 1/4	6"

5 GANG SWITCH PANEL



Fig. 517

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

With Fuse Holders Each	Without Fuse Holders Each	With Fuse Holders Size Inches	Without Fuse Holders Size Inches	Standard Package
\$15.00	\$9.75	6 1/2 x 4 1/4	6 1/2 x 3 3/4	6"

Supplied with fuse holders unless otherwise specified.

Ignition Switches, see Fig. 316.
Toggle Switches, see Fig. 745.

Starter—Ignition—Lights SWITCH PANELS

BLACK BAKELITE PANEL—WHITE LETTERING
2 POINT PUSH BUTTON STARTER SWITCH
LOCK TYPE IGNITION SWITCH—TWO KEYS
BRASS TOGGLE TYPE LIGHT SWITCH



Fig. 514

Visible portion of all switches is chromium plated.

Complete Each	Length Inches	Width Inches	Weight Ounces	Standard Package
\$7.80	5	2 1/2	8	6

Starter and Ignition SWITCH PANEL

BLACK BAKELITE PANEL—WHITE LETTERING
TWO POINT PUSH BUTTON STARTER SWITCH
LOCK TYPE IGNITION SWITCH—TWO KEYS



Fig. 518

Visible portion of all switches is chromium plated.

Complete Each	Length Inches	Width Inches	Weight Ounces	Standard Package
\$6.50	4 1/2	2 1/2	5	6

SPARE PARTS

Fuse Holders, \$1.00 each.
Starter Switches, see Fig. 255, all Brass.

Switch NAME PLATES

BLACK BAKELITE—ENGRAVED WHITE LETTERING



Fig. 519

In addition to those illustrated, stock name plates are as follows:

- | | | |
|--------------|----------------|----------------|
| Bow Light | Lights | Range Light |
| Choke | Master | Reverse |
| Deck Lights | Masthead Light | Siren |
| Fan | Neutral | Spreader Light |
| Flood Lights | Off | Sibd. Light |
| Forward | On | Starter |
| Fuel Pump | Panel Lights | Stern Light |
| Heater | Pilot | Throttle |
| Horn | Port Light | Towing Lights |
| Ignition | | |

Per Dozen	Length Inches	Width Inches	Weight Per Dozen Ounces
\$6.60	1 1/2	1/2	1/2

Standard Package, 12 Dozen**

Packed one dozen each name per box.
Less than one dozen each name \$.75 each.
Special name plates, price on application. Specify lettering and size.



MAZDA LIGHTING BULBS

Miniature Screw or Bayonet Base



Fig. 337

Bulb No.	Diam. Inches	Length Overall Inches
13	3/8	3/8
1800	3/8	1 3/8
518	3/8	1 3/8
1483	3/8	1
14	3/8	1 5/8
G-4 1/2	3/8	1
G-6	3/8	1 3/8
S-6	3/8	1 3/8
T-7	3/8	2 3/8
G-8	1	1 3/8
S-8	1	2
RP-11	1 3/8	2 3/8

Medium Screw Base



Fig. 340

Bulb No.	Diam. Inches	Length Overall Inches
T-10	1 1/4	5 3/4
S-14	1 1/4	3 3/4
A-17	2 1/8	3 3/4
A-19	2 3/8	3 3/4
A-21	2 3/8	4 3/8

Volts	Candle Power	No.	Base	Clear Each
1.35	.06 amp.	1800	Min. Screw	\$.40
1.3	.1 amp.	351	Min. Bayonet	.28
2.5	.15 amp.	S-8	D. C.	1.80
2.5	.3 amp.	14	Min. Screw	.25
3.8	.3 amp.	13	Min. Screw	.28
4.0	.55 amp.	518	Min. Screw	.45
6	.04 amp.	1483	Min. Screw	.45
6	1	51	Min. Bayonet	.25
6	1 1/2	G-4 1/2	Min. Bayonet	.18
6-8	3	G-6	D. C.	.18
6-8	6	G-6	D. C.	.20
6-8	15	S-8	D. C.	.37
6-8	21	S-8	D. C.	.40
12	1 1/2	G-4 1/2	Min. Bayonet	.33
12-16	3	G-6	D. C.	.20
12-16	6	G-6	D. C.	.25
12-16	15	S-8	D. C.	.40
12-16	21	S-8	D. C.	.45
32	3	G-6	D. C.	.77
32	6	G-8	D. C.	.90
32	15	S-8	D. C.	1.00
110	6 watt	S-6	D. C.	.66
120	10 watt	C-7	D. C.	.55
120	15 watt	T-7	Candelabra	1.05

Packed, 10 bulbs to a box.

FOR DOME AND BERTH LIGHTS



Fig. 8

Bulb No.	Diam. Inches	Length Overall Inches	Clear Each
S-11	1 1/4	2 1/4	\$1.00
6-8	1 1/4	2 1/4	1.65
12-16	1 1/4	2 1/4	1.75
32	1 1/4	2 1/4	.75
120	1 1/4	2 1/4	.75

Packed, 6 bulbs to a box



Fig. 532

Two Filament Bulbs
MOGUL BASE FOR THREE WIRE SYSTEM
120 VOLTS

Eliminates the method of using two separate bulbs in two light electric installations. Lamps are always properly focused.

Should one filament burn out it will be indicated on the telltale panel, the other filament can be immediately switched into use.

Watts	Each	Height Overall Inches	Diam. Inches
50-50	\$5.50	5	3 3/8
100-100	5.75	5	3 3/8

Mazda Searchlight Bulbs Fig. 24

Volts	Watts	Candle Power	No.	Base	Diameter Inches	Length Overall Inches	Each
6-8		32	RP-11	D. C.	1 1/4	2 3/8	\$.45
6-8		50	RP-11	D. C.	1 3/8	2 3/8	.50
6-8		100	G-16 1/2	D. C.	2 3/8	3	2.20
6-8	108	18 amp.	P-25	Medium	3 3/8	4 3/4	5.25
12-16		32	RP-11	D. C.	1 1/4	2 3/8	.60
12-16		50	RP-11	D. C.	1 3/8	2 3/8	.90
12-16		100	G-16 1/2	D. C.	2 3/8	3	2.20
12-16	216	18 amp.	P-25	Medium	3 3/8	4 3/4	6.00
32		32	RP-11	D. C.	1 1/4	2 3/8	1.40
32		50	RP-11	D. C.	1 3/8	2 3/8	1.90
32	2. amp.	100	G-16 1/2	D. C.	2 3/8	3	2.50
32	3.5 amp.	150	G-16 1/2	D. C.	2 3/8	3	2.50
32	256		P-25	Medium	3 3/8	4 3/4	7.00
120	100		G-16 1/2	D. C.	2 3/8	3	3.00
120	250		T-10	Medium	1 1/4	5 1/2	7.00
120	500		T-20	Medium	2 1/2	5 1/2	9.00
120	1000		T-20	Medium	2 1/2	5 1/2	10.00
120	1000		T-20	Mogul Screw	2 1/2	9	10.50



As is
FRESNEL GLOBES

FOR POLE, MAST AND STERN LIGHTS



FIG.	Clear Each	Red Each	Green Each	Blue Each	Outside Diam. Inches	Height Overall Inches	Diam. Opening Inches	Diam. Thread Inches	Weight Ounces Each
604	\$1.35	\$1.90	\$1.90	\$1.90	1½	1¾	1¼	1¼	1¾
247	1.50				1½	2¾	1½	2	3
248	1.65				1½	2½	1½	2	3
249	2.65	3.75	3.75		3	3¾	2¼	2¾	10
250	1.90	2.50	2.50		2½	2¾	1½	2	6
251	1.90	2.50	2.50	2.50	3	3	1½	2	7
281	1.00				2¾	1¾	1¼		2

Figs. 247 - 248 - 250 - 251 - for Lights, Figs. 136, 329, 330, 362, 422, 438, 484, 491, 506, 531, 658, 1233, 1239.

Fig. 249 for Lights Figs. 103, 104.

Fig. 281 for Tru-Beam Pole Light Fig. 1276.

Fig. 604 High Intensity for Lights, Figs. 404, 439, 600, 603, 609, 625, 846, 1145, 1148.

Mast Light GLOBES

WITH THREADED BASE

2¾ INCH DIAMETER

For mast lights Figs. 488 and 489.

Outside diameter	2¾ in.
Height overall	5½ in.
Diameter of opening	1¾ in.
Diameter of thread	2¾ in.
Net weight, each	9 oz.



Fig. 77

Clear Each	Red Each	Green Each	Blue Each
\$2.40	\$3.50	\$3.50	\$3.50

3½ INCH DIAMETER

For mast and stern lights, Figs. 83, 112, 113, 145, 309, 1163.

Outside diameter	3½ in.
Height overall	5 in.
Diameter of opening	2¾ in.
Diameter of thread	3¾ in.
Net weight, each	1¼ lbs.



Fig. 106

Clear Each	Red Each	Green Each	Blue Each	Amber Each
\$3.60	\$4.95	\$4.95	\$4.95	\$4.95

Dome Light GLASSES

RIBBED DIFFUSING TYPE

For Dome Lights, Figs. 294, 383 and 555.



Fig. 257

Trade Size Inches	Each	Diam. Overall Inches	Depth Inches
3	\$1.30	2¾	2¾
4	1.65	4	¾
5	1.90	5	1¼
6	2.20	6	1½

FROSTED TYPE

For Dome Lights Figs. 296, 753.



Fig. 132

Trade Size Inches	Each	Diam. Overall Inches	Depth Inches
3	\$1.30	2¾	¾
4	1.65	4	½
5	1.90	5	¾
6	2.20	6	¾
8	2.75	7¾	¾

RIBBED OPAL TYPE

For Dome Light Fig. 385.



Fig. 133

Outside Diam. Inches	Each	Extreme Depth Inches
4¼	\$2.75	1¼
5¾	3.00	1¾

NOTE—Spare gaskets for above ball and mast light globes, \$.20 each.

Spare gaskets for above dome glasses and globes, \$.30 each.

Standard Package, Entire Page, 12*



FRESNEL LENSES

FOR SIDE AND COMBINATION LIGHTS
112½ DEGREES

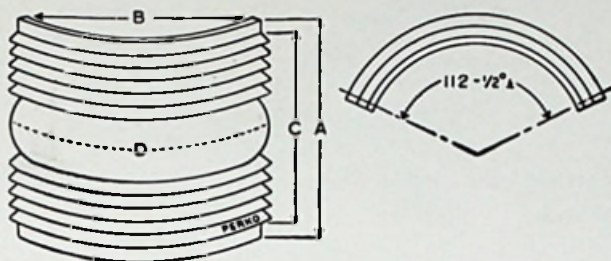


Fig. 259

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Red or Green Each	Amber Each
Class A-L.J.	1 7/8	1 1/8	1 1/8	1 3/4		\$1.10	
Class A Std.	2 1/8	1 13/16	2 1/8	3		1.70	
Class A Spec.	2 1/8	1 3/8	2 1/8	3		1.70	
Class A Rocket	1 1/8	2 1/4	1 3/8	3		1.20	
Class 1	3 1/8	2 1/8	2 1/8	3 3/8		2.50	\$2.60
Class 2	4 1/4	3 3/8	3 1/16	4 1/4	\$3.45	3.45	
Class 3	5 1/8	3 1/16	4 3/8	5 1/8		4.35	

For Vessels Over 65 ft.

No. 8	5 1/2	4 1/8	4 1/8	5 3/8		6.90	
No. 0 or 9	5 1/2	5 1/4	5	8 3/8	9.40	9.40	
No. 1 or 10	6 3/4	6	6	8 3/8		13.75	
No. 2 or 11	7 1/2	8 1/2	6 1/8	11 1/8		18.25	
No. 3	8 1/2	9 3/4	7 3/4	13		21.00	

Class A-L.J. For Figs. 1146-1247.

Class A-Std. For Figs. 416-485-1140-1140A-1147-1274.

Class A-Spec. For Figs. 1232-1235-1236.

Class A Rocket For Fig. 1275.

FOR ANCHOR LIGHTS—360 DEGREES

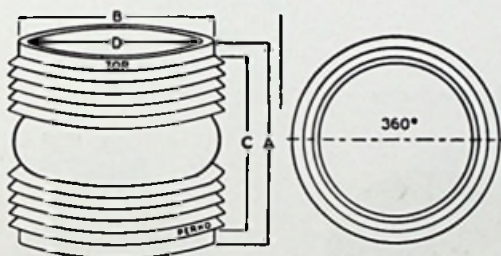


Fig. 261

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Junior	3 3/8	3 3/8	2 3/8	2 3/4	\$2.50	\$3.35
Senior	4 1/4	4	3 3/8	3 3/8	3.35	5.00

For Vessels Over 65 ft.

No. 0 or 22	5 1/2	5 1/2	5	4 3/8	9.60	16.50
No. 1 or 22 1/2	6 3/4	5 1/4	6 1/8	4 1/2	14.00	21.00
No. 1 1/2	6 3/4	6	6	5 1/8	15.50	22.00
No. 2 or 23	7 1/2	7 1/2	6 1/4	6 1/2	16.50	25.00
No. 3	8 1/2	8 1/2	7 3/4	7 3/4	21.00	33.00

Colors are red, green, blue or amber.

Sizes Senior, No. 1 and 2 not available in blue.

Sizes No. 1 1/2 and 3 not available in blue or amber.

FOR BOW LIGHTS—180 DEGREES

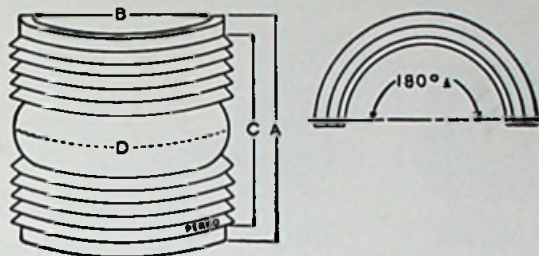


Fig. 260

For Motor Boats	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Class 1	3 3/8	2 1/4	2 1/4	5 3/8	\$3.35	\$5.80
Class 2	4 1/4	3 1/4	3 3/8	6 3/8	3.45	5.95
Class 3	5 3/8	3 3/8	4 1/8	7 1/8	4.35	7.25
Mld. 59	7 3/8	6 3/8	6 3/8	12 3/8	16.50	23.00

Colors are red, green, blue or amber.

Class 3 not available in amber.

Mld. 59 not available in blue.

Mld. 59 used in pier and lift span lights for bridges.

FOR MASTHEAD LIGHTS—225 DEGREES

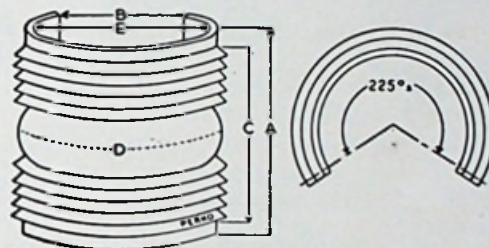


Fig. 256

	A In.	B In.	C In.	D In.	E In.	Clear Each	Colored Each
Int'l	4 1/4	4	3 3/8	8 3/8	3 1/4	\$4.00	
No. 0	5 1/2	4	5	12 1/4	4 3/8	11.50	\$23.60
No. 1	6 3/4	4	6	12 3/8	4 1/2	14.80	27.00
No. 2	7 1/2	5 3/8	6 3/8	16 3/8	6 1/2	16.50	31.00
No. 3	8 1/2	6 3/8	7 3/8	18 3/8	7 3/4	20.30	35.25

Colors are red, green or amber.

Size No. 3 not available in amber.

FOR STERN LIGHTS—135 DEGREES

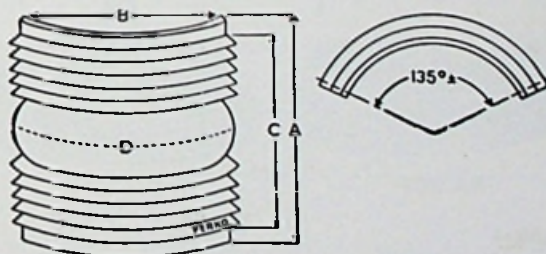


Fig. 269

	A In.	B In.	C In.	D In.	Clear Each	Colored Each
Int'l	4 1/4	3 1/2	3 3/8	4 3/8	\$3.45	
No. 0	5 1/2	4 3/8	4 3/8	7 1/2	9.35	\$13.25
No. 1	6 3/4	4 3/8	6 3/8	7 1/2	10.50	14.25
No. 2	7 1/2	6 3/8	6 3/4	10	13.25	21.00
No. 3	8 1/2	7 1/2	7 3/4	11 1/4	16.00	23.60

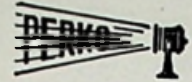
Colors are red, green, blue or amber.

Size No. 0 not available in blue.

Size No. 3 not available in blue or amber.

Standard Package, 12* *

DIMENSIONS SUBJECT TO GOVERNMENT STANDARD TOLERANCES—PLUS OR MINUS



OIL FOUNTS AND ELECTRIC ADAPTERS

ALL BRASS—FOR LIGHTS CLASS 3 AND SMALLER



Fig. 582

Medium Screw Electric



Fig. 588

Delite Type

Fig.	Each	Diameter Inches	Weight Ounces	For Lights Figs.
582	\$2.30	2 3/4	4	01-04-05-08-09
588	3.50	2 3/4	4	01-04-05-08-09

Price of Fig. 582 does not include holder illustrated.

Holder only, \$1.20 each.

Spring Type

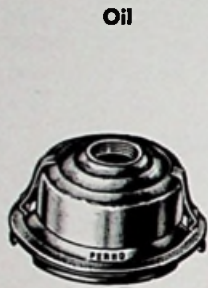


Fig. 286

Oil and Electric Double Contact

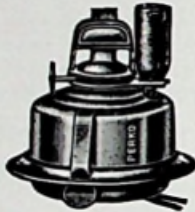


Fig. 736

Electric Double Contact

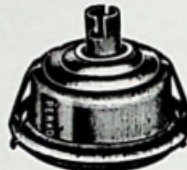


Fig. 291

Electric Medium Screw

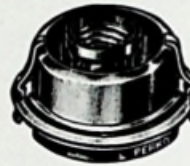


Fig. 292

Oil and Electric Double Contact



Fig. 733

Fig.	Each	Diameter Overall Inches	Opening In Light Inches	Weight Per Dozen Pounds	For Lights Figs.
286	\$2.30	3 3/8	3 3/8	2 1/2	06-17-18-19-20-49-408 No. 0 and 44, 8 inch size
291	3.50	3 3/8	3 3/8	3	4-5-06-12-17-18-19-20
292	3.50	3 3/8	3 3/8	3 1/2	06-12-17-18-19-20-49-408 No. 0 and 44, 8 inch size
*733 Oil only	2.30	3 1/2	2 1/2	2	1
733 Oil and Electric	5.00	3 1/2	2 1/2	3 1/2	1
736	5.00	3 3/8	3 3/8	4 1/2	06-17-18-19-20

*Supplied without burner or wick.

Swivel Type



Fig. 287

Electric Double Contact



Fig. 293

Electric Medium Screw



Fig. 274

Oil and Electric Double Contact

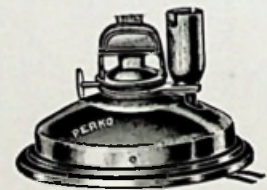


Fig. 735

Fig.	Each	Diameter Overall Inches	Opening In Light Inches	Weight Per Dozen Pounds	For Lights Figs.
274	\$3.50	4 1/2	4	4	02-11-69 and 44, 6 inch size
287	2.30	4 1/2	4	3	02-69 and 44, 6 inch size
293	3.50	4 1/2	4	4	02-11-69 and 44, 6 inch size
735	5.00	4 1/2	4	4 1/2	02-69

NOTES

Oil burners and wicks, see Figs. 246 and 302.

D. C. Electric sockets for Figs. 291 and 293, see Fig. 355.

D. C. Electric sockets for Figs. 733, 735 and 736, see Fig. 276.

D. C. Electric sockets and holders for Figs. 733, 735 and 736, see Fig. 458.

Medium screw sockets for Figs. 274, 292 and 588, see Fig. 346, No. 1.

Standard Package, Entire Page, 12**



FLOODLIGHTS

WEATHERPROOF — WITH MOGUL SOCKET

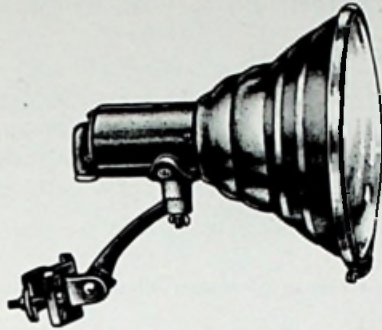


Fig. 227

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

For mounting on wall, cross arm or pipe up to 2½ inches.

Each	Spare Lens Each	Spare Rims Each	Diam. Lens Inches	Length Housing Inches	Maximum Wattage	Weight Pounds
\$26.00	\$7.35	\$4.50	12	14	500	7

DECK TYPE
with Medium Screw Socket



Fig. 228

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

Each	Diam. Lens Inches	Length Housing Inches	Diam. Base Inches	Maximum Wattage	Weight Pounds
\$8.80	7½	8	4¼	100	3

Spare lenses with gasket, each \$4.00.

Spare rim for lens, each \$2.20.

FRONT LENS
FOR SEARCHLIGHTS



Diam. Inches	Each	For Searchlights Fig. and Size
7	\$2.20	1022-1023
7½	2.50	305-306
8½	2.75	297-529—8 inch
10½	3.15	297-529—10 inch
12½	4.30	297-529—12 inch
14½	5.00	297-529—14 inch

Fig. 429

New Spreader FLOODLIGHT

ALL BRASS — CHROMIUM PLATED
SEALED BEAM — 6 OR 12 VOLTS

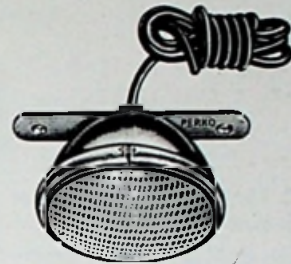


Fig. 268

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

Each	Diameter Overall Inches	Depth Inches	Size Mounting Plate Inches	Weight Pounds	Standard Package
\$12.50	4¾	4¼	6 x 1	1¼	6"

Specify voltage, 6 volt supplied unless otherwise specified.

Cost 10/13/57
Body & Ring .95
S. B. Unit .78
Base .26
Bracket .03
2 Rivets .04
Wire .04
Polishing .25
Chrome Pld. .25
Lat. Tool .12
Drilling .15
Box .06
Label .25
3.18
W.M.C. 5.09

Spreader FLOODLIGHT

ALL BRASS—CHROMIUM PLATED
DOUBLE CONTACT BAYONET SOCKET
WITH 6, 12 OR 32 VOLT—15 C.P. BULB



Fig. 254

For illumination of sails and rigging when underway at night or for flood-lighting decks, anchorages, docks, etc.

Each	Diameter Reflector Inches	Depth Inches	Size Mounting Plate Inches	Weight Ounces	Standard Package
\$11.75	4¾	3½	6 x 1	8	6"

Specify voltage, 6 volt supplied unless otherwise specified.

Parabolic MIRROR REFLECTORS
FOR SEARCHLIGHTS

High grade mirrors designed for long distance projection of concentrated beam of light.

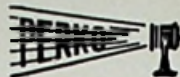


Diam. Inches	Each	For Searchlights Fig. and Size
7	\$12.00	305-306 No. 4
7½	10.00	305-306 No. 3
8	20.00	297-529—8 inch
10	22.00	297-529—10 inch
12	27.50	297-529—12 inch
14	37.50	297-529—14 inch

Fig. 427

Sizes 8-10-12-14 inches with asbestos insulation, copper back and rim add \$16.50 to above prices.

Lee Marvin



"PERKO" SEALED BEAM SEARCHLIGHTS

All Brass — Chromium Plated

With Clear Lens — Not Fluted

SIZE NO. 1 — 6 AND 12 VOLT — 30 WATT — RANGE ABOUT ¼ MILE — 45,000 BEAM CANDLEPOWER
 SIZE NO. 2 — 6 AND 12 VOLT — 30 WATT — RANGE ABOUT ½ MILE — 95,000 BEAM CANDLEPOWER
 SIZE NO. 3 — 6 AND 12 VOLT — 100 WATT — RANGE ABOUT ½ MILE — 200,000 BEAM CANDLEPOWER
 SIZE NO. 3 — 32 VOLT — 200 WATT — RANGE ABOUT ¾ MILE — 260,000 BEAM CANDLEPOWER

A "SEALED BEAM" unit consisting of the bulb, reflector and lens all in one piece is the most practical for marine searchlights. It is absolutely watertight and vibration proof.

A watertight packing gland is installed around control rod to prevent entrance of water where rod passes through pilot house roof.

Deck Control

WITH TOGGLE SWITCH IN HEAD
 WIRING NOT VISIBLE

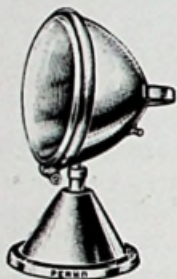


Fig. 454

No.	6 Volt Each	12 Volt Each	Diam. Lens Inches	Diam. Base Inches	Height Above Deck Inches	Weight Pounds
1	\$20.50	\$20.50	4½	3½	7¾	1¼
2	22.00	22.00	6	4¾	9	1¾

Standard Package, 12**

Deck Control

WITH TOGGLE SWITCH IN HEAD
 WIRING NOT VISIBLE



Fig. 436

No.	6 Volt Each	12 Volt Each	Diam. Lens Inches	Diam. Base Inches	Height Above Deck Inches	Weight Pounds
3	\$36.75	\$36.75	7	6¼	13	4

For 32 Volt add \$4.75

Standard Package, 12**

Pilot House Control

WIRING NOT VISIBLE

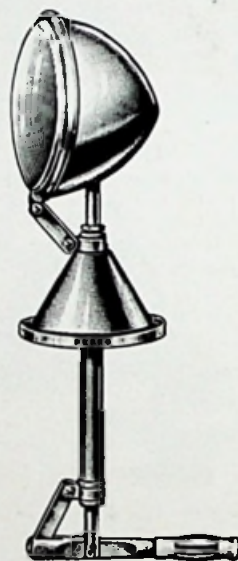


Fig. 437

Length of control below base, 8 inches.

No.	6 Volt Each	12 Volt Each	32 Volt Each
1	\$39.50	\$39.50	
2	41.00	41.00	
3	51.00	51.00	\$55.75

No.	Diam. Lens Inches	Diam. Base Inches	Height Above Deck Inches	Weight Pounds
1	4½	4¾	8¾	2¾
2	6	4¾	10¼	3
3	7	6¼	13¾	5

Standard Package, 6**

See Marin



Perkins Marine Lamp & Hardware Corp. 65

Adjustable SEARCHLIGHT

BRASS—CHROMIUM PLATED
SEALED BEAM—6 OR 12 VOLTS
STREAMLINE BASE

For Mounting Forward or Aft of Windshield

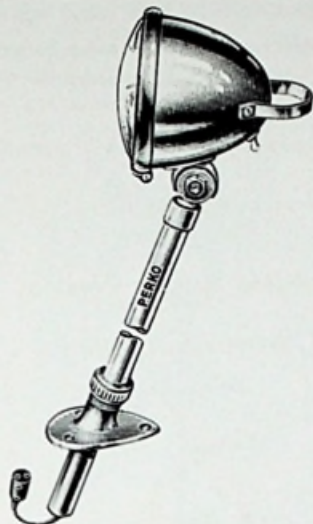


Fig. 240-A

Adjustable to various heights. From under the searchlight head to the deck, maximum 17 inches, minimum 3 inches, measured vertically.

Knurled nut and washer holds staff at desired height.

Angle of staff from deck is 68 degrees. Complete with toggle switch.

No.	6 Volt Each	12 Volt Each	Diam. Lens Inches	Diam. Base Inches	Weight Pounds
1	\$29.50	\$29.50	4½	3¾x2¼	2¼
2	32.00	32.00	6	3¾x2¼	2¾

Combination LIGHT and SEARCHLIGHT

ALL BRASS—CHROMIUM PLATED
SEALED BEAM SEARCHLIGHT

6 OR 12 VOLT—30 WATT—RANGE ¼ MILE

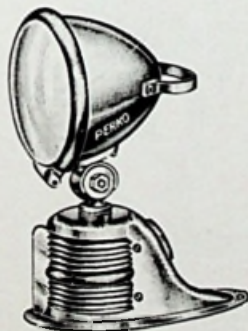


Fig. 416

The searchlight is our 4½ inch diameter sealed beam type. The combination light is our Fig. 1140 with rebulbing feature. The searchlight has a toggle switch.

6 Volt Each	12 Volt Each	Height Overall Inches	Size Base Inches	Weight Pounds
\$32.00	\$32.00	9	3¾x6¼	2¼

Remote Control SEARCHLIGHTS

BRASS—CHROMIUM PLATED
FOR OPERATION FROM DASH
SEALED BEAM—6 OR 12 VOLTS

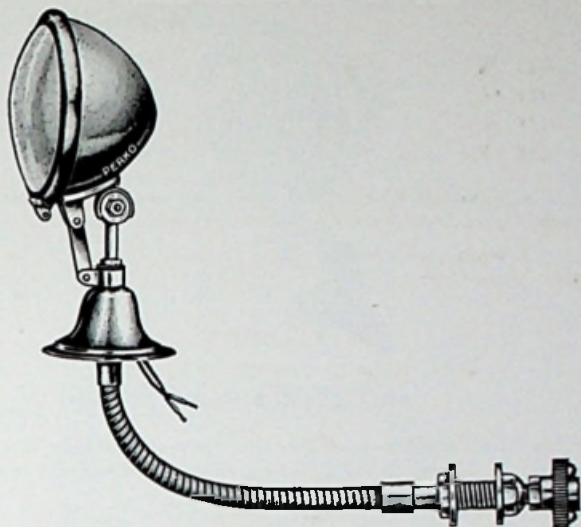


Fig. 241

These operate with extreme ease in both the vertical and horizontal range by an effortless twist or pull of the attractive control handle on the dash.

The light may be mounted at any desired location on the deck.

The control casing is galvanized steel with okoseal rubber covering which protects the casing against corrosion and acts as a grease retainer.

Horizontal angle of beam is 360 degrees. Vertical angle of beam is 27 degrees below and 35 degrees above horizontal.

No.	With 30 Inch Control		With 40 Inch Control		With 50 Inch Control	
	6 Volt Each	12 Volt Each	6 Volt Each	12 Volt Each	6 Volt Each	12 Volt Each
1	\$60.00	\$60.00	\$63.00	\$63.00	\$67.00	\$67.00
2	63.00	63.00	65.75	65.75	70.00	70.00

Sealed Beam SPOTLIGHT UNITS

6 OR 12 VOLTS



Fig. 433

This sealed all glass, unit is used in the searchlights on this and the preceding page. The lens is hermetically sealed to the reflector. Dirt and moisture are positively excluded. The reflector cannot tarnish.

No.	6 Volt Each	12 Volt Each	32 Volt Each	Diam. Lens Inches	Watts	Range About
1	\$2.85	\$3.75		4½	30	¼ mile
2	3.00	3.75		6	30	½ mile
3	6.50	6.50		7	100	½ mile
3			\$9.25	7	200	¾ mile



Flying Bridge SEARCHLIGHT

ALL BRASS — CHROMIUM PLATED
SEALED BEAM — 6 OR 12 VOLTS



Fig. 452

The head swivels and tilts to various positions, the bracket can be mounted in any position. Countersunk on both sides.

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

Standard Package, 6**

Price by L.P. 5/10/76 10/23/87

Hand SEARCHLIGHT

BRASS—CHROMIUM PLATED
SEALED BEAM—PISTOL GRIP

PUSH BUTTON SWITCH—8 FT. COILED CORD
WITH DOUBLE CONTACT OR CIGAR LIGHTER PLUG

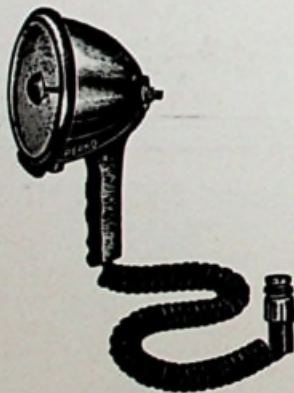


Fig. 440

Has sealed beam spotlight unit, range about ¼ mile. Supplied with ring on handle for hanging.

Volts	Each	Diameter Lens Inches	Weight Pounds
6	\$23.75	4½	2
12	23.75	4½	2

Standard Package, 6**

Supplied with cigar lighter plug unless otherwise specified.

"Sunbeam" SEARCHLIGHTS

WITH GLASS MIRROR REFLECTOR
6 OR 12 VOLT—50 CANDLEPOWER
BAYONET DOUBLE CONTACT SOCKET
ENCASED WIRING—FOCUSING DEVICE
WATERTIGHT GLANDS AT CABLE
AND CONTROL ROD ENTRANCES

For higher power see notes below.

PILOT HOUSE CONTROL

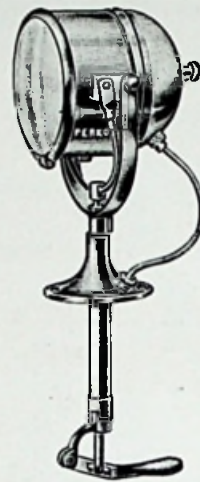


Fig. 306

No.	Polished Brass Each	Chromium Plated Each	Diam. Inches	Diam. Reflector Inches	Height Above Deck Inches	Diam. Base Inches
3	\$105.00	\$120.00	8	7¼	14	5½
4	113.00	130.00	8	7	14	5½

Standard Package, 6**

Length control rod below base, 10 inches.

No. 3 has parabolic mirror reflector, range about ½ mile.

No. 4 has mangin mirror reflector and 100 C. P. bulb, range about ¾ mile.

DECK CONTROL
WITH TOGGLE SWITCH IN HEAD



Fig. 305

No.	Polished Brass Each	Chromium Plated Each	Diam. Inches	Diam. Reflector Inches	Height Above Deck Inches	Diam. Base Inches
3	\$73.00	\$83.50	8	7¼	14	5½
4	79.50	90.00	8	7	14	5½

Standard Package, 6**

No. 3 has parabolic mirror reflector and 50 C. P. bulb. No. 4 has mangin mirror reflector and 100 C. P. bulb. Figs. 305 and 306 size 3 with 6 or 12 volt 100 C. P. bulb, add \$2.00 each.

Both sizes with 32 volt 50 C. P. bulb, add \$1.75 each. Both sizes with 32 volt 100 C. P. bulb, add \$2.50 each.



"Perko" High Power SEARCHLIGHTS

WITH MIRROR REFLECTOR—MEDIUM SCREW SOCKET

VOLTAGE—6, 12, 32, AND 120 VOLTS

PACKING GLANDS AT CABLE AND CONTROL ROD ENTRANCES

BODIES—are constructed of heavy wrought brass; stands, yokes, and control mechanism are all cast bronze.

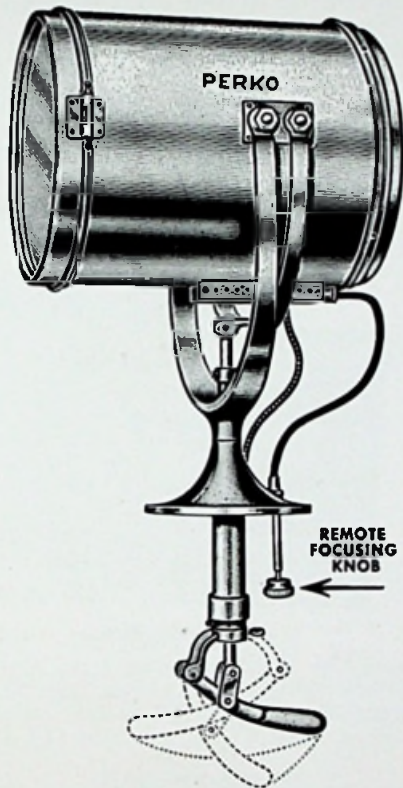
REFLECTORS—a glass mirror reflector, which projects a highly concentrated beam of light a great distance.

FOCUSING DEVICE—new remote control type, diameter of beam can be changed from inside pilot house.

PILOT HOUSE CONTROLS—are of the wheel or lever type, both having their distinct advantages.

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

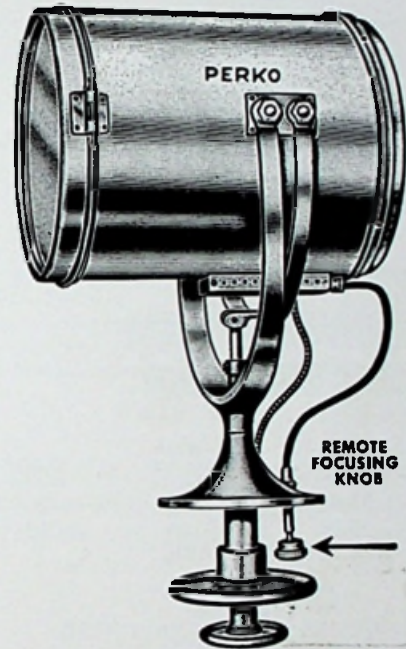
BULBS—Bulbs furnished as standard equipment in various voltages are as follows—6 volts, 18 amps.; 12 volts, 18 amps.; 32 volts, 8 amps.; 120 volts, 500 watt. Can also furnish 120 volts, 250 or 1000 watt bulbs for additional price. See notes below.



LEVER CONTROL

Fig. 297

Size Inches	Polished Brass Each	Chromium Plated Each
8	\$240.00	\$270.00
10	270.00	300.00
12	324.00	360.00
14	390.00	425.00



WHEEL CONTROL

Fig. 529

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

Size Inches	Diameter Reflector Inches	Range	Beam Candle Power	Length of Body Inches	Clearance of Glass in Door Inches	Height Above Deck Inches	Diameter of Base Inches	Weight Pounds
8	8	up to ¾ mile	350,000	12¾	7¾	19	6¾	30
10	10	up to 1 mile	590,000	14¾	9½	21	6¾	34
12	12	up to 1½ miles	700,000	17	11¾	24	6¾	41
14	14	up to 2 miles	850,000	19	13¾	26	8¾	56

NOTES

With 120 volt 250 watt bulb, add \$2.00 each.
 With 120 volt 1000 watt mogul screw bulb (special construction) in 12 or 14 inch sizes only, add \$40.00 each.
 Spare bulbs, reflectors, lenses, etc. See pages 57 and 63.
 Standard length of control below base, Fig. 297 all

sizes, from base to fulcrum of handle, 8 inches. Fig. 529 all sizes from base to center of upper wheel rim, 6½ in.
 Special length of pilot house control on Fig. 297 only to order, price on application.
 Spare medium screw sockets, \$1.20 each.



Lucite PARALLEL RULES
TRANSPARENT
WITH BRASS, CHROMIUM PLATED BARS

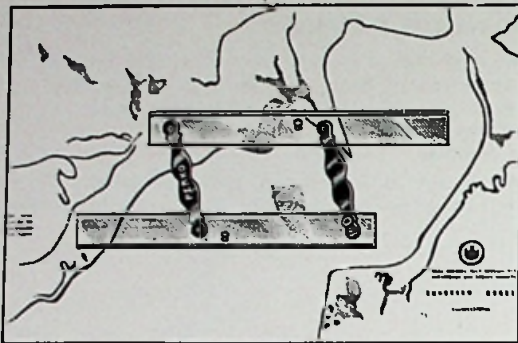


Fig. 630

A new transparent rule of heavy lucite through which the chart data can be easily seen.

Supplied with finger grips and tightening device.

Length Closed Inches	Each	Width Closed Inches	Weight Ounces
12	\$8.25	2½	5
15	9.95	2½	6½
18	11.80	2½	7½

PARALLEL RULES

EBONY FINISH—BRASS, NICKEL PLATED PARTS



Fig. 686

Length Closed Inches	Each	Width Closed Inches	Weight Ounces
12	\$5.30	2½	6
15	5.95	2½	6½
18	6.75	2½	7

DIVIDERS

BRASS—NICKEL PLATED—NAVY TYPE



Fig. 693

- No.
- 1 Length, 5½ inches, each \$1.40
 - 2 Length, 7 inches, each 3.75

CHART CASES



Fig. 372

Made of galvanized iron or sheet copper, water-tight cover, folding handle on side for carrying.

Diam. Inches	Length Inches	Galv. Each	Copper Each
3	36	\$9.00	\$18.00
4	36	11.00	21.50

Improved COURSE PROTRACTOR
INDICATES COURSE AND REVERSE COURSE
TRANSPARENT

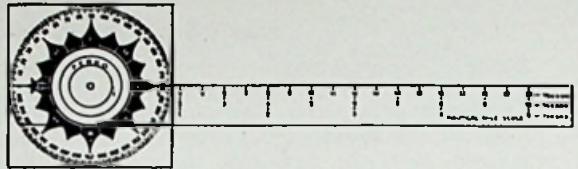


Fig. 706

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 when covered by protractor.

Each	Extreme Length Inches	Diam. Compass Card Inches
\$3.25	21½	6¾

Yacht LOG BOOKS

100 PAGES

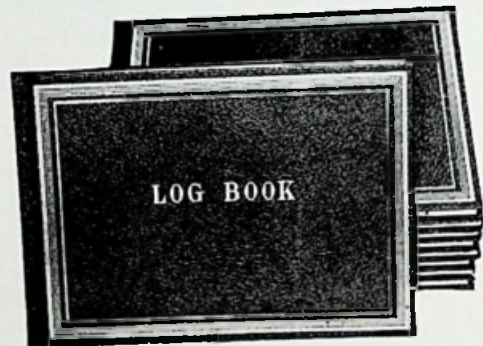


Fig. 708

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, gуст log and marine telephone log.

No. 1 Binding: Imitation leather, pebble finish, starboard green color, gold letters, without gold border. Each \$4.35

No. 2 Binding: Imitation leather, pebble finish, pilot blue color, gold letters and gold border. Each \$4.50

Electric COMPASS LIGHT

BRASS—CHROMIUM PLATED



Fig. 707

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

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

NOTE—Shield will accommodate a G-6 bayonet D.C. bulb 6, 12 or 32 volt.



STAR SPHERICAL COMPASSES

WITH BUILT-IN COMPENSATOR

3 1/2 INCH DIAMETER 5 DEGREE BLACK CARD—WHITE POINTS AND LETTERING

PLEXIGLAS DOME—OVERLIGHTED—ALL BRASS HOUSING—BLACK FINISH

OSCILLATION PERIOD—6 SECONDS

DISPLACEMENT FACTOR—LESS THAN 5° AFTER MAXIMUM DISTURBANCE

Featuring a super-sensitive metal barometer type diaphragm, special alloy high power magnets, non-warping all metal dial, genuine hand polished sapphire jewel and pivot bearing. Universal bracket for vertical or horizontal mounting.

**THE "GUIDARE"
CRUISER MODEL**



Fig. 448

Each	Diameter Overall Inches	Height Overall Inches	Weight Pounds
\$47.75	4 3/8	5 1/4	3

Supplied with Flush Shelf Mounting if desired, add \$6.75 each.

**THE "GUIDARE"
SAILBOAT MODEL**



Fig. 562

With internal gimbal ring to compensate for extra amount of heel prevalent in all types of sailing craft. Gives steady performance even at 90 degree heel. Lubber line is also self aligning.

Each	Diameter Overall Inches	Height Overall Inches	Weight Pounds
\$75.50	4 3/8	5 1/4	3

Supplied with Flush Shelf Mounting if desired, add \$6.75 each.

**"Star" Spherical Compasses
In Semi-binnacle**

BRASS—CHROMIUM PLATED

The compasses illustrated on this page are available in semi-binnacle for deck or shelf mounting on cruiser or sailboat.

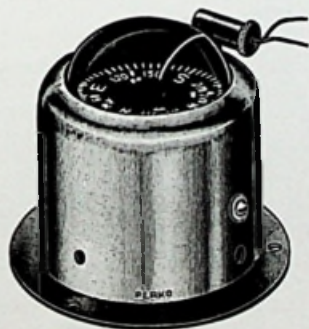


Fig. 560

With Fig. 448 Compass Chromium Plated Each	With Fig. 449 Compass Chromium Plated Each	With Fig. 562 Compass Chromium Plated Each	Binnacle only Chromium Plated Each
\$63.75	\$66.00	\$91.50	\$16.00

Complete			Binnacle Only		
Height Overall Inches	Diam. Base Inches	Weight Pounds	Height Inches	Diam. Opening For Dome Inches	Weight Pounds
5 1/4	6 1/4	3 1/2	4	3 3/8	1/2

**THE "CRUISARE"
CRUISER MODEL**



Fig. 449

Front reading—with semi-vertical dial and unique built-in glare shield. Easy to read from any angle or normal distance.

Each	Diameter Overall Inches	Height Overall Inches	Weight Pounds
\$50.00	4 3/8	5 1/4	3

Supplied with Flush Shelf Mounting if desired, add \$6.75 each.



"PERKO" MONEL ALCOHOL STOVE

2 BURNER—PRESSURE TYPE—WITH REMOVABLE TRAY
MONEL METAL BODY AND TRAY—NATURAL FINISH
CAST BRONZE BURNERS
BRASS, CHROMIUM PLATED GUARD RAIL

CONSTRUCTION — of heavy gauge monel metal. Satin finish.

BURNERS — Cast bronze with slotted manifold producing intense heat.

TRAY — An integral part of front apron, readily removable for cleaning but will not rattle. It insulates the fuel tank from heat. Sheet asbestos is affixed to its bottom. Tray cannot slide out when boat is heeled.

GUARD RAIL — Brass, chromium plated. Front section is removable to accommodate large pots and pans.

AIR PRESSURE GAUGE — Accurate and easy to read; it shows best working pressure.

PRESSURE PUMP — All brass, knob locks into pump, cannot back out under back pressure.

FILLER CAP AND AIR ESCAPE VALVE — Inside of front apron, but readily accessible.

FUEL TANK — 1½ gallon capacity, rectangular shape and hidden by front apron, fully insulated from heat of burners.

FUEL CONSUMPTION — Using a good grade of "Burning Alcohol," both burners will operate continuously for 14 hours on one gallon of fuel and one pound of air pressure.

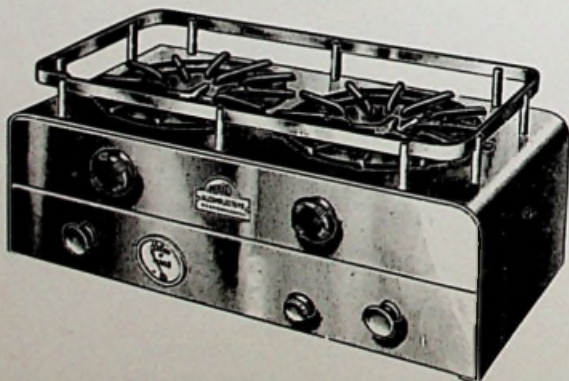


Fig. 364

Complete Each	Extreme Length Inches	Extreme Width Inches	Extreme Height Inches	Weight Pounds
\$99.50	20½	12	8½	27

Above price includes a Fig. 365 funnel for filling.

"PERKO" STAINLESS STEEL ALCOHOL STOVE

SATIN FINISH STAINLESS STEEL BODY
CAST ALUMINUM FLAT TOP GRATE
STAINLESS STEEL REMOVABLE TRAY
CAST ALUMINUM BOTTOM WITH FASTENING LUGS
SATIN FINISH REMOVABLE BRASS RAILS

Round, Stainless Steel Tank—1¼ quarts capacity. Air Pressure Gauge—Easy to read for best working pressure.

Pressure Pump—All Brass, Knob Locks to prevent back-out under pressure.

Cast Bronze "Hy Heat" Burners with Bakelite Knobs.

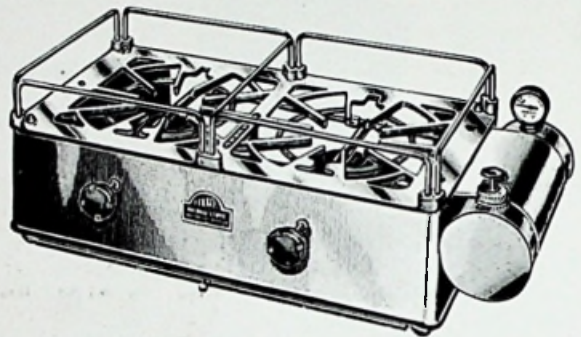


Fig. 334

Each	Extreme Length Inches	Extreme Width Inches	Extreme Height Inches	Weight Pounds
\$89.50	25½	13	8¼	20

"Galley Slave" GRAVITY ALCOHOL STOVE

WHITE VITREOUS ENAMELED BODY—BRASS GUARD RAILS
BRASS BURNERS—BRASS FUEL TANK

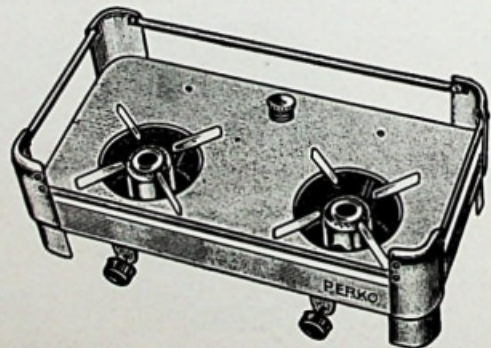
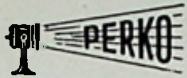


Fig. 376

The Fuel Tank is underneath out of sight, filled through filler cap located on top behind burners. An economical and easy to operate stove, no pumping necessary. Just preheat burners then operate with knobs like stove at home. Has an intense blue flame with remarkable heating ability.

Each	Length Overall Inches	Width Overall Inches	Height Overall Inches	Weight Pounds
\$26.25	19½	11	6½	6½



"PERKO" MONEL BOTTLED GAS STOVE

FOR USE WITH PROPANE OR BUTANE L. P. GAS

2 BURNER — WITH REMOVABLE TRAY

MONEL METAL BODY AND TRAY — SATIN FINISH

COLD FORGED ALUMINUM CENTER SIMMER BURNERS

BRASS, CHROMIUM PLATED GUARD RAIL AND POSTS

BLACK PLASTIC CONTROL KNOBS AND TRAY HANDLE

The last word in convenience, practicability and good looks with many of the faults of older models eliminated. No enamel to chip, crack or discolor. Monel metal is rich looking, easily cleaned and is non-corrosive.

THE BURNER is especially unique, in fact it's two burners in one. The outer rim is a high speed cooking burner for quick broiling, frying, etc. There is also a tiny, inner, economical simmer burner which maintains the cooking while using only a fraction of the gas usually consumed with ordinary single burners and it can be used independently of the starting burner; no other type of burner possesses this decided advantage. The center simmer burner provides exactly the right heat for every cooking requirement from the full fire power of the starting burner to the mere beads of flame of the "keep-warm" position of the center simmer. All controlled by the one control knob.

EASY CLEANING — The burner cap can be removed in less than one second.

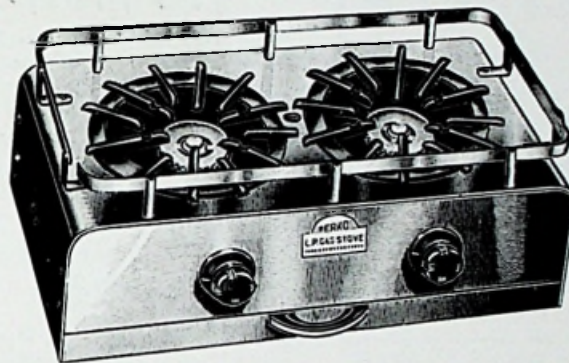


Fig. 373

Complete Each	Extreme Length Inches	Extreme Width Inches	Extreme Height Inches	Weight Pounds
\$86.00	20 $\frac{1}{2}$	12	8 $\frac{1}{2}$	25

BOTTLED GAS STOVE EQUIPMENT

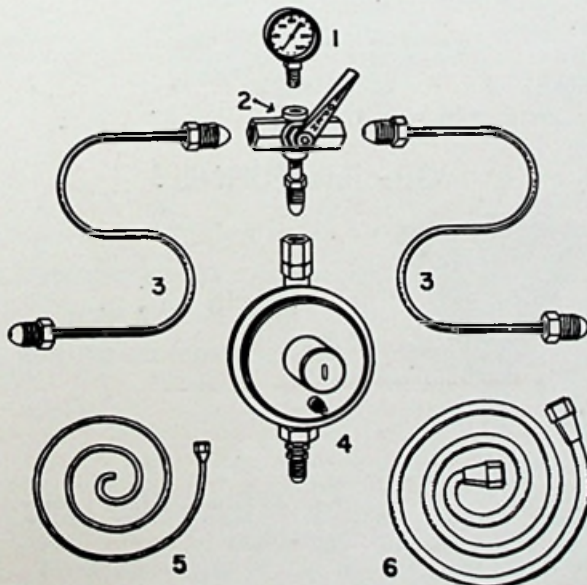
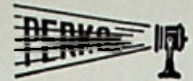


Fig. 374

No.	Description	Each
1	Polished Brass Pressure Gauge	\$ 4.60
2	Forged Bronze Two Way Valve Manifold with Indicating Handle	16.00
3	Pigtails (Tank Connections)	2.80
4	Pressure Regulator with Relief Valve and Mounting Brackets	11.50
5	$\frac{1}{4}$ inch Copper 10 Foot Vent Line with One Fitting	4.50
6	$\frac{1}{2}$ inch Copper 20 Foot Fuel Supply Line with Two Fittings	13.50
7	Plugs for Manifold	1.80

Note — The above Manifold item No. 2 and Regulator item No. 4 is listed by the Underwriters Laboratories.



"Perko" ALCOHOL BURNER CAST BRONZE



Fig. 367 Burner for Fig. 364 Stove	Each	\$16.00
Fig. 367-A Burner for Fig. 334 Stove	Each	16.00
(Priming Pan and Filter Not Included)		
Wire Brush Filters Only	Each	2.40
Priming Pan Only	Each	1.50
Packing Nut for Valve Stem	Each	.45
Grates only for Stove	Each	2.40

Alcohol Stove Parts

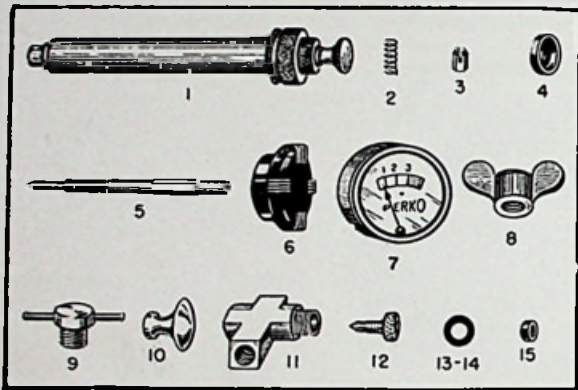


Fig. 368

No.	Each	
1 Fuel Tank Air Pump complete	\$3.75	
2 Pump Check Valve Spring	.40	
3 Pump Check Valve	.60	
4 Leather Plunger for Pump	.40	
5 Needle Valve Stem	.85	
6 Plastic Control Knob	1.00	
7 Air Pressure Gauge	3.00	
8 Wing Nut for Filter Entrance	.85	
9 Filler Cap for Fuel Tank	1.25	
10 Knob for Removable Tray	.85	
11 Fitting for Fuel Supply Line	1.20	
12 Screw for Air Escape Valve	.40	
13 Lead Gasket for Wing Nut No. 8	.30	
14 Lead Gasket for Filler Cap No. 9	.30	
15 Graphite Packing for Valve Stem	.12	

POT HOLDERS ALL BRASS—CHROMIUM PLATED



Fig. 369

Made for attachment to our alcohol stoves Figs. 334 and 364. Adjustable on the stove for various sizes of pots, pans, etc.

No.	Per Pair	Length Centers of Rail Inches	Weight Per Pair Ounces
1	\$4.50	9 3/4	7 1/2
2	4.50	10 1/2	8

Size No. 1 is for older models of Fig. 364 stove.

Hot Air CABIN HEATER CAST ALUMINUM BODY 6 OR 12 VOLTS

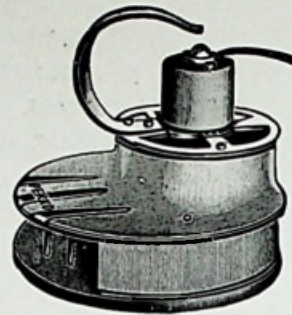


Fig. 595

Now you can use your galley stove to heat your boat.

Works equally well on gas, alcohol, kerosene, coal or any other type of stove.

This Hot Air Heater takes the heat from the stove and distributes it to all corners of the cabin. This blast of hot air will heat the average cabin in a few minutes and maintain a comfortable temperature as long as required.

Just place the heater on the stove over the burner, connect electric fan wires to battery, light the stove and in a few minutes the cabin will be as comfortable as you want it.

Volts	Each	Amperes	Diam. Inches	Height Inches	Weight Pounds
6	\$30.00	1.5	8 1/2	7	9 1/2
12	32.00	.75	8 1/2	7 1/4	9 3/4

Specify Voltage When Ordering

Standard Package, 6***

Offset FUNNEL

HEAVY GAUGE ZINC BRASS STRAINER



Fig. 365

Designed primarily for filling our stoves, this funnel is a handy one for various purposes on a boat, at home or in a garage.

Each	Capacity Ounces	Diam. Mouth Inches	Diam. Spout Inches	Weight Ounces
\$3.00	3	3	3/8	2

Standard Package, 12

Gasoline FUNNELS



Fig. 81

GALVANIZED SHEET STEEL WITH No. 100 MESH BRONZE REMOVABLE STRAINER

No.	Each	Diam. Top Inches	Height Inches	Capacity Pints	Weight Ounces
1	\$2.30	6 3/4	7	1	6
2	2.65	8	8 1/2	2	8

Standard Package, 12*



Marine EXHAUST BLOWERS
CAST ALUMINUM HOUSING
6-12 OR 110 VOLTS

WMB
7/21/58
Marin
6V 12V
1 9.05 9.05
2 13.15 13.15

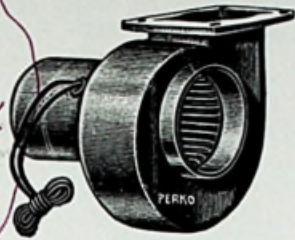


Fig. 778

For removing dangerous gasoline fumes from the bilge and engine room, exhausting excess heat and cooking odors from the galley. Getting rid of foul air or odors from cargo holds and bilges.

An absolute necessity to the motor boat because their use decreases the hazard of fires and explosions from gasoline fumes.

No.	Size Intake Inches	Size Outlet Inches	Dimensions Overall Inches	Capacity Cubic Feet Per Minute	Size Flange Inches
1	3	2½	7½x6x6	90	3½x3½
2	4	4	8½x8x8	186	4½x4½

Volts	No. 1 Each	No. 2 Each	Amperes	Horsepower
6	\$23.25	\$36.75	8.0	1/40
12	25.25	40.00	4.0	1/40
110 D.C.		45.00	.32	1/40

Standard Package, 6**

A caution plate is furnished with every Blower.

EXHAUST BLOWERS For Bilge Installation

FULLY ENCLOSED SPARKPROOF MOTOR
CAST ALUMINUM HOUSING—ALL VOLTAGES



Fig. 791

A blower that may be installed in the bilge without fear of sparks igniting gasoline fumes.

Motor enclosed in brass cover. Shaft passes through a Neoprene seal and electric cable enters cover through a watertight packing gland.

No.	Size Intake Inches	Size Outlet Inches	Dimensions Overall Inches	Capacity Cubic Feet Per Minute	Flange Inches
1	3	2½	7½x6x6	90	3½x3½
2	4	4	8½x8x8	186	4½x4½

Volts	No. 1 Each	No. 2 Each	Amperes	Horsepower
6	\$31.00	\$44.50	8.0	1/40
12	33.00	47.75	4.0	1/40
110 D.C.		53.00	.32	1/40

Standard Package, 6**

A caution plate is furnished with every Blower.

Improved EXHAUST BLOWERS
CAST ALUMINUM HOUSING
6-12 OR 110 VOLTS

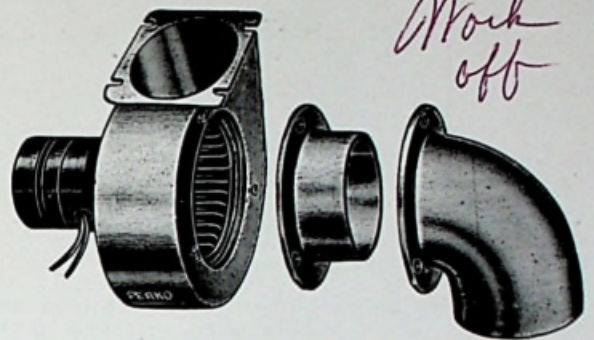


Fig. 795

The improvement is obvious; notice that the inlet fittings are not an integral part of the housing, permitting use of the straight or 90° fitting whichever is preferred.

The neck of the straight fitting is 1½ inches long allowing better fit of duct. The 90° fitting can be set at three different angles and eliminates the use of an elbow in the duct.

Volts	No. 1-3 Inch		No. 2-4 Inch	
	With Straight Inlet Each	With 90° Inlet Each	With Straight Inlet Each	With 90° Inlet Each
6	\$27.50	\$29.25	\$42.50	\$45.25
12	29.50	31.25	45.75	48.50
110 D.C.			50.00	52.50

Standard Package, 6**

All other dimensions and data, same as Fig. 778. Specify type of inlet required.

Improved Blower and Ignition SWITCHES

CAST BRONZE—FLUSH TYPE



Watertite Enclosed Switch
Fig. 149



Non-Watertite Switch
Fig. 155

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 operation.

Fig.	Polished Bronze Each	Chromium Plated Each	Diam. Face Plate Inches	Diam. Box Inches	Depth Inches	Weight Pounds
149	\$17.00	\$17.50	4¼	3¼	1¾	1¾
155	16.00	16.50	3¾	...	1¾	½

Standard Package, 6††



Turbine VENTILATORS

FOR MARINE USE
IMPROVED BEARING RUNNING IN OIL
GALVANIZED STEEL OR COPPER

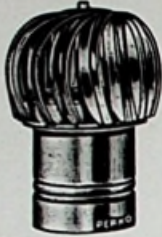


Fig. 744

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 Diam. Inches	Galv. Steel Each	Copper Each	Height Overall Inches	Diam. Overall Inches	Capacity C.F.M.	Galv. Weight Pounds
4	\$13.00	\$22.00	10	7	140	2 3/4
5	13.50	22.50	12	8 1/2	152	3 1/2
6	14.00	23.00	13	9 1/2	196	4 1/2
7	16.25	27.50	15	11	243	6
8	17.50	28.75	16	12 1/2	285	7
10	21.00	35.75	18 1/2	15	445	10
12	24.50	39.75	20	17 1/2	650	12

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

Galvanized vents are painted aluminum.

WATER DECK IRONS

GALVANIZED CAST IRON



Check specs

Fig. 430

Size of Stove Pipe Inches	Each	Outside Diam. of Neck Inches	Diam. Flange Inches	Weight Pounds
2	\$3.90	2 1/4	5 1/2	1 1/4
2 1/2	5.85	2 3/4	6 1/2	1 3/4
3	6.25	3 1/4	7 1/2	4
3 1/2	7.25	3 3/4	8 1/2	5
4	7.80	4 1/4	9 1/2	6 1/4
4 1/2	9.75	4 3/4	10	8
5	10.50	5 1/4	10 1/2	9
5 1/2	12.50	5 3/4	11	9 3/4
6	12.75	6 1/2	11 1/4	11 1/4

VENTILATOR NOTES

Spare Deck Plates for above Cowl Ventilators, see Figs. 419 and 527.

When ordering cowl ventilators only, without deck plate, please specify whether with or without ring on neck.

All above cowl ventilator sizes are standard; special sizes and heights made to order.

Cowl VENTILATORS

ROUND MOUTH
WITH THREADED DECK PLATE
SHEET STEEL OR SHEET BRASS
CAST BRONZE DECK PLATE



Fig. 510

Steel ventilators are hot galvanized after fabrication.

Deck Plate Size Inches	Galv. Each	Polished Brass Each	Chromium Plated Each	Diam. Mouth Inches	Height Overall Inches	Weight Pounds
2	\$19.00	\$27.50	\$35.00	4	5 1/2	1 1/8
2 1/2	20.50	29.75	37.00	5	6 1/2	1 3/4
3	22.50	32.50	40.00	6	8	2 1/2
4	27.00	37.00	44.00	8	11	4
5	46.00	56.00	66.00	10	13	6
6	62.00	72.00	82.00	12	16	9
8	115.00	143.00	166.00	16	21	15 1/2

Cowl VENTILATORS

WITH SWIVEL DECK PLATE
SHEET STEEL OR SHEET BRASS
CAST BRONZE DECK PLATE



Fig. 513

Deck Plate Size Inches	Galv. Each	Polished Brass Each	Chromium Plated Each	Diam. Mouth Inches	Height Overall Inches	Weight Pounds
3	\$25.75	\$35.00	\$43.00	6	8	2
4	32.50	42.00	50.00	8	12	3 1/4
5	49.00	60.00	70.00	10	13 1/2	4 3/4
6	65.00	75.00	86.00	12	17 1/2	7 1/2
8	96.00	123.00	145.00	16	20 1/2	11 1/2
10	167.00			20	28	30

Note—10 inch size is heavy 18 gauge steel and price applies to cowl only with galvanized band on neck. No deck plate.

Cover for Fig. 513 deck plate for use when ventilator is removed, price on application.

Polished copper vents supplied to order, price on application.



Cowl VENTILATORS
 OVAL MOUTH
 CAST BRONZE—WITH THREADED DECK PLATE



Fig. 509

Deck Plate Size Inches	Polished Bronze Each	Chromium Plated Each	Size Mouth Inches	Height Above Deck Inches	Weight Pounds
4	\$38.50	\$48.00	6½x4¾	8¾	8

Standard Package, 6*

Mark off

Cowl VENTILATORS
 OVAL MOUTH
 CAST BRONZE—WITH SWIVEL DECK PLATE



Fig. 515

Supplied complete with cover for use when ventilator is removed.

Deck Plate Size Inches	Polished Bronze Each	Chromium Plated Each	Size Mouth Inches	Height Above Deck Inches	Weight Pounds
3	\$35.00	\$42.50	6¼x4	9½	6
4	44.50	54.00	6½x4¾	9¾	8

Standard Package, 6*

Locker VENTILATORS
 CAST BRONZE

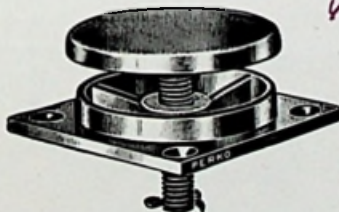


Fig. 783

No.	Polished Bronze Each	Chromium Plated Each	Diam. of Opening Inches	Size Plate Inches	Weight Pounds
1	\$7.20	\$9.25	1½	2½x2½	½
2	7.50	9.75	2½	3¼x3¼	1
3	8.25	11.25	3	4⅞x4⅞	1½
4	11.25	13.50	3¾	4¾x4¾	1¾

Standard Package, 6*

Cruiser VENTILATOR
 STREAMLINE—CAST BRONZE

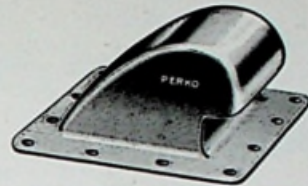
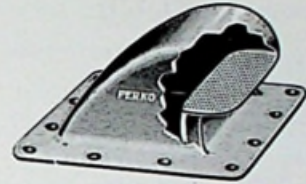


Fig. 908



Cut away view showing screen and water guard

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
\$14.50	\$22.50	\$24.00	7x7	3½	8	4¾

Standard Package, 6*

Junior Transom VENTILATOR
 CAST BRONZE



Fig. 1069

Burnished Bronze Each	Chromium Plated Each	Size Flange Inches	Depth Collar Inches	For Screw No.	Weight Pounds
\$2.20	\$4.20	6¼x2¼	¾	6	¾

Standard Package, 12*

With bronze screen soldered in, add \$.90 each.

Senior Transom VENTILATOR
 CAST BRONZE



Fig. 1062

Plain Bronze Each	Chromium Plated Each	Dimensions Inches	For Screw No.	Weight Pounds
\$3.45	\$5.80	10x4	8	1

Standard Package, 12*



Streamline Space Saver VENTILATOR

CAST BRONZE



Starboard Side
Fig. 771

For mounting on catwalk against outside of deck house or bulkhead where space is limited.

Bosses for fastening are inside ventilator out of sight but angled toward mouth for insertion of wood screws. Drilled for No. 8 F.H. wood screw.

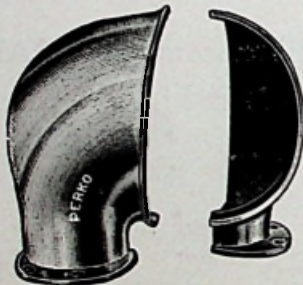
Supplied in pairs for starboard and port sides. When ordering a half pair mention side required.

Polished Bronze Per Pair	Chromium Plated Per Pair	Length Overall Inches	Height Overall Inches	Dimensions Mouth Inches	Weight Per Pair Pounds
\$13.50	\$14.50	9 $\frac{3}{4}$	4 $\frac{1}{2}$	4x1 $\frac{3}{4}$	2 $\frac{3}{4}$

Standard Package, 6 Pairs*

Space Saver VENTILATORS

CAST BRONZE



Starboard Side Port Side

Fig. 782

Designed especially for mounting against outside of deck house or cabin, takes up very little space, can be used to advantage in connection with exhaust fan Fig. 778.

No.	Inside Diameter at Base Inches	Measurements Inside at Mouth Inches	Height Overall Inches	For Screw No.	Weight Per Pair Pounds
1	2 $\frac{1}{2}$	2 $\frac{3}{4}$ x5	6 $\frac{3}{4}$	8	3 $\frac{3}{4}$
2	3 $\frac{1}{2}$	3 $\frac{1}{2}$ x7 $\frac{1}{2}$	9	8	6

No.	Polished Bronze Per Pair	Chromium Plated Per Pair
1	\$17.65	\$22.25
2	\$30.00	27.75

Standard Package, 6 Pairs*

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

Clam Shell VENTILATORS

CAST BRONZE



Fig. 323

No.	Width Opening Inches	Height Opening Inches	Size Base Inches	For Screw No.	Weight Ounces
4	2 $\frac{3}{4}$	1 $\frac{3}{4}$	3 $\frac{3}{8}$ x3 $\frac{1}{2}$	7	7
5	3 $\frac{1}{2}$	2	4 x3 $\frac{3}{8}$	7	14

No.	Polished Bronze Each	Chromium Plated Each
4	\$2.65	\$3.40
5	3.10	3.85

Streamline VENTILATORS

CAST BRONZE



Fig. 324

No.	Width Opening Inches	Height Opening Inches	Size Base Inches	For Screw No.	Weight Ounces
2	1 $\frac{3}{4}$	1	2 $\frac{3}{8}$ x3 $\frac{3}{8}$	7	6
3	2 $\frac{1}{2}$	1 $\frac{5}{8}$	3 $\frac{3}{8}$ x4 $\frac{1}{4}$	7	12

No.	Polished Bronze Each	Chromium Plated Each
2	\$2.65	\$3.40
3	3.10	3.85

Streamline VENTILATORS

CAST BRONZE



Fig. 476

No.	Polished Bronze Each	Chromium Plated Each	Width Opening Inches	Height Opening Inches	Size Base Inches	Weight Pounds
6	\$6.85	\$7.90	3 $\frac{1}{2}$	2 $\frac{1}{4}$	5x6	1

All sizes drilled for No. 8 F.H. wood screw.

Streamline VENTILATOR

CAST BRONZE



Fig. 310

A ventilator with graceful lines that will enhance the appearance of any boat.

Polished Bronze Each	Chromium Plated Each	Size Opening Inches	Size Base Inches	For Screw No.	Weight Pounds
\$6.85	\$8.25	3x1	7 $\frac{1}{2}$ x4	6	1 $\frac{1}{2}$

Standard Package, Figs. 310, 323, 324 and 476, 12†



New "Midget" VENTILATORS

CAST BRONZE *Metal 4¢ Labor 7½¢ For & etc 10¢*

*Stamping - 8/25/57
Tools - 525.00
Stamp - Blank & Piece 7.50
Labor 12.25
Dr. Metal - 19.75
Over material 4.60*



Fig. 321

Popular for shielding gas tank vent outlets.

No.	Burnished Each	Chromium Plated Each	Dimensions Base Inches	Height Opening Inches	For Screw No.	Weight Ounces
1	\$.40	\$1.25	1½ x 1½	¾	4	1½
2	.50	1.50	2 x 2	½	6	2½

Standard Package, 12†

Ventilator DECK PLATES

CAST BRONZE—SCREW TYPE



Fig. 527

Complete with key and extra ring for cowl.

Diameter Opening Inches	Machine Finish Each	Polished Bronze Each	Chromium Plated Each	Diameter Plate Inches	Weight Pounds
2	\$7.50	\$8.80	\$10.75	3¾	¾
2½	8.50	9.65	11.50	4½	1¼
3	9.65	11.25	13.25	4¾	1¾
3½	12.65	14.25	17.00	5½	2
4	14.25	17.00	19.25	5¾	2½
5	21.00	24.25	27.00	7¼	3½
6	26.50	30.25	33.00	8¼	6¼
8	57.00	62.50	68.00	10¼	8½

Swivel DECK PLATES

CAST BRONZE—FOR COWL VENTILATORS

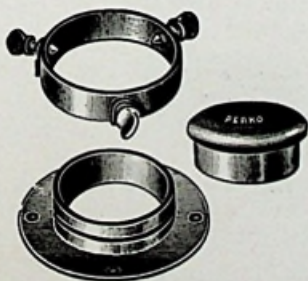


Fig. 419

For Size Ventilator Inches	Opening in Base Inches	Machine Finish Each
3	2¼	\$12.50
4	3¼	18.75
5	4½	23.00
6	5	27.50
8	7	36.25

Permits cowl to be turned to any direction.

Price does not include cap, if cap is desired add 25% to above prices.

Pump VALVES



Fig. 237

Galvanized iron with oak leather clapper, galvanized iron weight on both sides of leather riveted together and screwed to casting.

Diameter inches	2	2½	3	4
Wgt. per doz. lbs.	4	6	7	11
Per doz.	\$8.80	\$11.00	\$13.00	\$19.80

Standard Package, 2 Dozen*

Leather PLUNGERS

OAK LEATHER

Riveted together, strong and durable.



Fig. 239.

For Diam. Pump Inches	Per Dozen	Weight Per Dozen Pounds
2	\$6.35	¾
2½	7.25	1¼
3	7.70	1½
4	9.50	1¾

Standard Package, 3 Dozen*

Parts for Brass Bilge Pumps

Flange and cup washers are leather, especially treated for use in salt water. Split washer is wrought brass. Ball is hollow and made of wrought brass.

No. 1 for numbers 1 and 5 bilge pumps.

No. 2 for numbers 2, 4, 6 and 8 bilge pumps.



	No. 1	Outside Diam. Inches	Each
Flange Washer Fig. 203	No. 1	1¼	\$.40
	No. 2	1¾	.45



Cup Washer Fig. 204	No. 1	1¼	\$.40
	No. 2	1¾	.45



Split Washer Fig. 205	No. 1	1¼	\$.11
	No. 2	1¾	.17



Hollow Ball Fig. 206	No. 1	½	\$.35
	No. 2	¾	.40



Valve Fitting For Plunger Fig. 456	No. 1		\$1.25
	No. 2		1.35



Packing Nut Fig. 457	No. 1		1.35
	No. 2		1.75

NOTE—The above parts are also used in Fig. 345 bilge pumps, and Fig. 146 crank case pump.

Rubber Hose and Strainer

FOR FIGS. 200, 202 and 723 BRASS BILGE PUMPS



Fig. 208



Fig. 209

Heavy moulded rubber hose, durable and lasting. ¾ inch inside diameter.

Standard 5 ft. length	Each	\$1.20
Cast Bronze Strainer		.90

Other lengths of hose can be furnished. Price on application.



Automatic BOAT BAILERS

BRASS TUBING—CAST BRONZE FITTINGS
WITH BALL CHECK
FOR RUNABOUTS

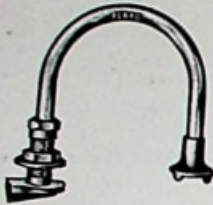


Fig. 410

Has outlet fitting in streamline design to reduce resistance, screened inlet fitting.

Operates at speed of about 7 miles per hour.

Requires no further attention after installation.

Each	Height Inside Hull Inches	Diam. Tubing Inches	For Hull Thickness Inches	Weight Pounds
\$11.00	7	3/4	up to 1 1/4	1 1/2

Standard Package, 6

Spare rubber balls, per dozen \$1.50.

Small BOAT DRAINER

THREADED TYPE

CAST BRONZE—BURNISHED

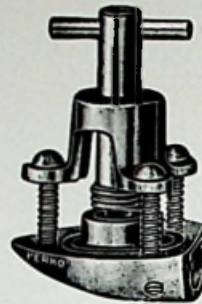


Fig. 386

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
\$6.10	2 3/4	2 1/2	1 1/4

Standard Package, 12

Small BOAT DRAINER

SPRING TYPE—STAINLESS STEEL SPRING
CAST BRONZE

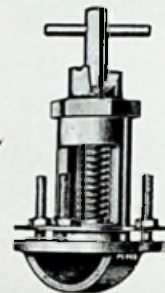


Fig. 387

Installed in after end of boat with mouth toward stern. Starts draining at about 5 miles per hour.

To open lift "T" handle and lock by half turn to left. A slight turn to right will release strong spring closing drainer tightly.

For use in metal or wood boats.

Bronze Each	Height Inside Boat Inches	Diam. Flange Inches	Weight Bronze Pounds
\$6.95	4	2 3/4	1

Standard Package, 12

Transom DRAIN PLUGS

FOR OUTBOARD BOATS
PLAIN BRASS

*12/4/57
w. m. c. 78 20. 1*

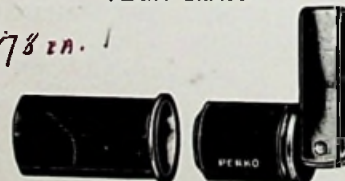


Fig. 414

To release plug, raise handle to position illustrated. Remove plug while boat is in motion and water will drain out. Install in lowest part of transom. Watertight when closed.

Each	Diam. Tube Inches	Length Overall Inches	Length Tube Inches	Weight Ounces
\$2.40	1	2 1/2	2	4 1/2

Standard Package, 25
Bulk Package, 100

Automatic BOAT DRAINERS

CAST BRONZE—BURNISHED



Fig. 213

For use in life boats. Made of heavy cast bronze, with sponge rubber ball valve. Cast bronze cover with chain attached, threaded 1 1/8 inches, No. 14 thread.

Complete Each	Caps Only With Chain Each	Balls Only Per Dozen	Diam. Opening Inches	Diam. Flange Inches	Diam. Ball Inches
\$6.25	\$1.95	\$3.00	1 1/4	3 3/8	1 1/2

Standard Package, 6

Steel BOAT BAILERS

GALVANIZED—RIVETED HANDLE



Fig. 180

Each	Diameter Inches	Weight Pounds
\$4.00	8 3/4	1

Standard Package, 6



Garboard DRAIN PLUGS

CAST BRONZE—BURNISHED



Fig. 263

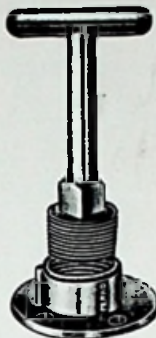


Fig. 266

The handle and plug are cast in one piece eliminating the need for a wrench. However if the plug should "freeze" into the flange a wrench may be used on the squared portion of the stem.

Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
\$3.65	3/4	2 3/8	3/8	11

Standard Package, 12*

Garboard DRAIN PLUGS

CAST BRONZE—BURNISHED



Fig. 714



Fig. 737



Fig. 714-A



Fig. 737-A

Figs. 737 and 737-A has extra brass flange and 3 F.H. machine screws, maximum space between flanges is 3/16 inches.

Fig.	Burnished Bronze Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
714	\$2.15	1/2	2	3/8	3
714-A	2.50	1/2	2	3/8	4
737	2.90	1/2	2	3/8	6
737-A	3.25	1/2	2	3/8	7

Standard Package, 12*

Garboard DRAIN PLUGS

CAST BRONZE — BURNISHED

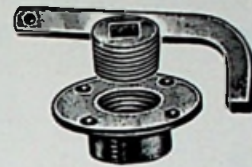


Fig. 124

*8/24/58
WMC
less wrench
P.I.P*

A few of these drain plugs installed in garboard allows quick drainage of boat when hauled out, by removing heavy plug. Threads are tapered pipe sizes and plugs are watertight.

Burnished Bronze Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
\$4.60	1	3 1/2	1	10

Standard Package, 12

Furnished complete with galvanized wrench.

Bronze Navy Pump STRAINERS

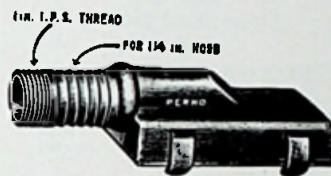


Fig. 704

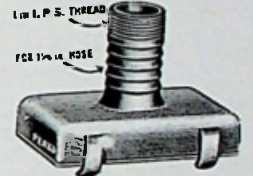


Fig. 705



Fig. 721



Fig. 722

Fig.	Each	Pipe Thread Inches	For Hose Inches	Length Inches	Width Inches	Weight Pounds
704	\$4.25	1	1 1/4	7	2 3/4	2
705	4.25	1	1 1/4	4 3/4	2 3/4	1 1/2
721	4.25	1 1/4		5	2 3/4	1 1/2
722	4.25	1 1/4		4 3/4	2 3/4	1 3/8

Standard Package, 6*

Junior STRAINER

CAST BRONZE FOR 3/8 INCH RUBBER HOSE



Fig. 709

Excellent for use with bilge pumps having 3/8 inch hose for intake such as our Fig. 202, etc.

Each	Length Overall Inches	Width Inches	Weight Ounces
\$2.40	4	1 3/4	6

Standard Package, 6



"Champion" Navy BILGE PUMP
FOR PIPE
BRASS CYLINDER—CAST BRONZE PARTS
WITH WEIGHTED LEATHER VALVE



Fig. 1016
CAPACITY—13 STROKES—5 GALLONS

Each	Extreme Length Inches	Diameter Cylinder Inches	Inlet Pipe Thread Inches	Outlet Pipe Thread Inches	Diameter Plunger Rod Inches
\$28.50	24	2 3/4	1 1/4	1 1/2	1/2

Fig. 147—Weighted leather valve only, each \$1.50
Fig. 151—Flax packed plunger only, each 2.75

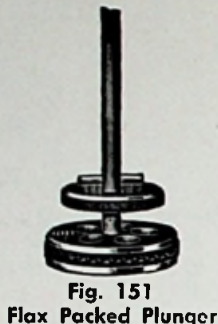


Fig. 151
Flax Packed Plunger



Fig. 147
Weighted Leather Valve

"Super" Navy BILGE PUMP
FOR HOSE OR PIPE
WITH WEIGHTED LEATHER VALVE

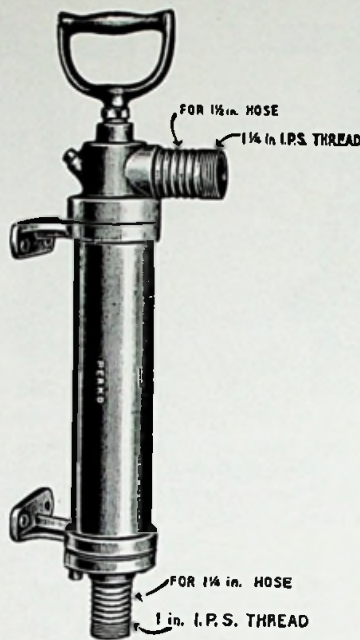


Fig. 701

This is our very popular "Champion" Pump improved by cast bronze integral fittings at inlet and outlet ends for connecting hose or pipe.

Each	Extreme Length Inches	Inlet Sizes		Outlet Sizes	
		Pipe Inches	Hose Inches	Pipe Inches	Hose Inches
\$32.00	27	1	1 1/4	1 1/4	1 1/2

"Junior" Navy BILGE PUMP



Fig. 1018

CAPACITY—13 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
\$27.00	16 1/4	2 3/4	1 1/4	1 1/2	5 1/2

Fig. 108 Plunger Assembly only, complete, No. 1 for pumps Figs. 702 and 1018, \$8.50 each, No. 2 for pumps Figs. 701 and 1016, \$9.00 each.

"Midget" Navy BILGE PUMP

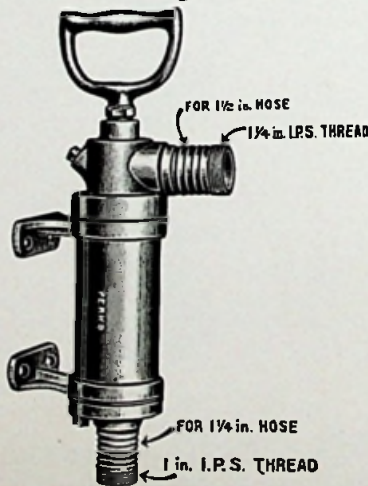


Fig. 702

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	Diam. Cylinder Inches	Inlet Sizes		Outlet Sizes	
			Pipe Inches	Hose Inches	Pipe Inches	Hose Inches
\$29.50	18 1/4	2 3/4	1	1 1/4	1 1/4	1 1/2



Fig. 108



Brass BILGE PUMPS
DOUBLE ACTION

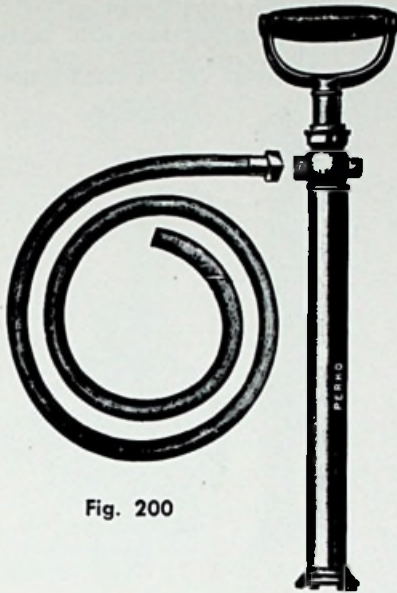


Fig. 200

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	\$10.35	17 $\frac{3}{8}$	1 $\frac{1}{8}$	6	2 $\frac{1}{4}$
2	14.00	20	1 $\frac{1}{2}$	12	3 $\frac{1}{4}$

Without hose, deduct \$.50 each.

Brass BILGE PUMPS
DOUBLE ACTION

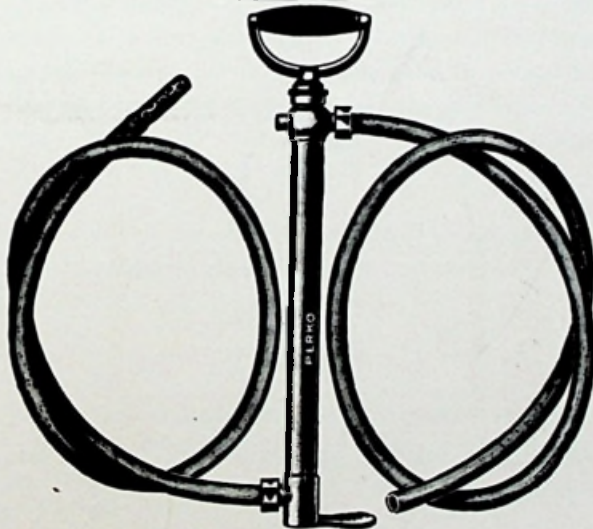


Fig. 202

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	\$13.60	18 $\frac{3}{8}$	1 $\frac{1}{8}$	6	3
6	17.65	21	1 $\frac{1}{2}$	12	4

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

NEW "SEA JET"
Brass BILGE PUMP

NEOPRENE CAP, VALVE, PLUNGER AND HOSE
HARD RUBBER FULL GRIP HANDLE

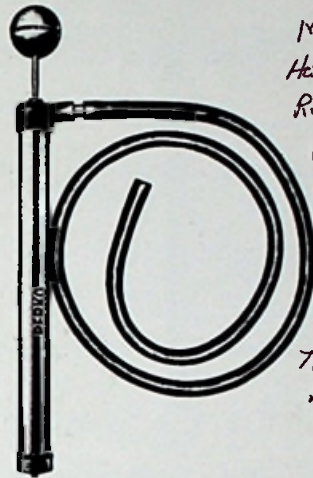


Fig. 183

The plunger and valve of neoprene will not dry out or rot. A long lasting pump for small boats.

CAPACITY, 14 STROKES PER GALLON

Complete Each	Diameter Tubing Inches	Height Overall Inches	Weight Pounds
\$7.25	1 $\frac{1}{4}$	17 $\frac{1}{2}$	2

METAL 63 50
 HOSE+KNOB 31 00
 RUBBER PARTS 42 00
 RIVETS 17 00
 LABOR 41 00

 194 50
 1.95
 TOOLS - 16 00
 BAG - 6 00

Brass BILGE PUMP
SINGLE ACTION

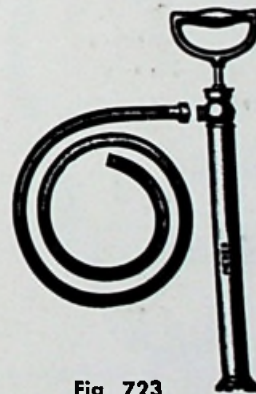


Fig. 723

Complete with 5 feet of rubber hose.

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

With Hose Each	Without Hose Each	Diameter Inches	Extreme Length Inches	Weight Pounds
\$9.35	\$8.85	1 $\frac{1}{8}$	17 $\frac{3}{8}$	2



Small Boat BILGE PUMP

STEEL—ZINC PLATED OR ALUMINUM
GOOD CAPACITY—EASY OPERATION



Fig. 152

These have felt retainer washer to prevent squirt through cap. Capacity—7 gallons per minute at normal speed.

Aluminum Pump has cast top with integral spout

	Each	Length Inches	Diameter Body Inches	Diameter Spout Inches	Weight Pounds
Steel	\$3.75	25	1½	¾	2½
Aluminum	5.65	26	1½	¾	1½

Standard Package, 50*

Outboard BILGE PUMP

ALL BRASS—WITH 3 FT. RUBBER HOSE
BRASS BRACKETS FOR MOUNTING

PARTS
BRACKETS W M.C. 48 R.
NBR
C 209 W.M.C. 38 EA

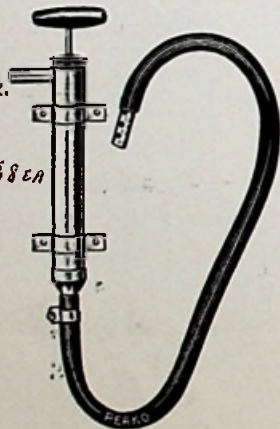


Fig. 201

For small boats, outboard motor, sail or rowboats. Brackets permit permanent installation on transom or side, allowing one hand pumping while boat is in use. Complete with bronze intake strainer.

Each	Length Body Inches	Diam. Inches	Capacity Per Min. Gallons	Weight Pounds
\$9.00	11	1½	1½	2¼

Standard Package, 6

"Perko" WING PUMPS

DOUBLE ACTION—ALL BRONZE
FOR MARINE, INDUSTRIAL AND DOMESTIC USE
IMPROVED VALVES HOLD PRIME

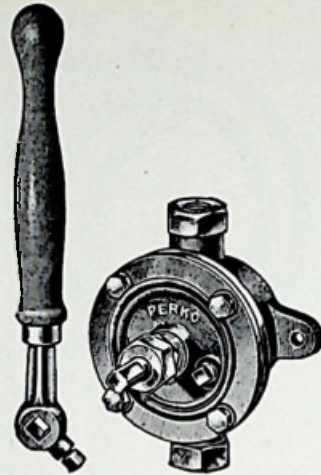


Fig. 681

Constructed entirely of cast bronze, principally for use as a marine bilge pump, but is used in large quantities in the industrial field for pumping oil and gasoline, hot liquids, juices, etc.

The interior consists of a cast bronze wing which oscillates on a bronze shaft connected to handle. The wing has lubricated square flax packing set in grooves which runs on interior of drum and as no metal parts rub together this pump will last for years without noticeable wear. Packing is very easily replaced.

Intake valves have greatly improved and priming is unnecessary even after several weeks of disuse.

GREAT CAPACITY—LIFT AND HEAD OVER 35 FT.
EFFORTLESS OPERATION—HARDWOOD HANDLE

No.	Each	Size Pipe Con- nection Inches	Overall Diam. of Body Inches	Capacity Per Minute Gallons	Weight Pounds
0	\$54.50	½	5¼	5	11½
1	63.00	¾	5¾	7	14
2	69.25	1	6¾	9¾	19½

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



Brass BILGE PUMPS

DOUBLE ACTION—WITH BULKHEAD BRACKETS
THREADED FOR 3/4 INCH PIPE



Fig. 345

Without Tail Pieces Each	With Tail Pieces Each	Length Overall Inches	Diam. Barrel Inches	Weight Pounds
\$20.50	\$22.85	21	1 1/2	3

Spare Parts, See Page 77.

Supplied with tail pieces if not otherwise specified.

CRANK CASE PUMP

DOUBLE ACTION—ALL BRASS



Fig. 146

For draining the crank case through filler opening, with outlet spout for attaching rubber hose. Intake is bronze flexible metal hose.

Complete Each	Spare Intake Hose Each	Length Overall Inches	Length Intake Hose Inches	Diam. Pump Inches	Weight Pounds
\$13.00	\$4.00	17 1/2	12 1/2	1 1/8	2 1/2

NOTE—Above supplied with intake tube for 5/8 inch rubber hose instead of metal hose illustrated, specify Fig. 1029, \$10.00 each.

Improved CRANK CASE PUMP

SINGLE ACTION—ALL BRASS
WITH BRONZE FLEXIBLE METAL HOSE
OUTLET SPOUT AND NEOPRENE PLUNGER



Fig. 388

Outlet spout permits continuous operation. The new plunger has increased capacity with smoother operation.

Complete Each	Spare Intake Hose Each	Diam. Barrel Inches	Length Barrel Inches	Length Overall Inches	Weight Pounds
\$9.25	\$3.65	1 1/2	12	15 1/2	2

Spare Neoprene plungers, \$.35 each.

CRANK CASE PUMP

WITH FLEXIBLE METAL INTAKE HOSE
SINGLE ACTION—STEEL OR BRASS

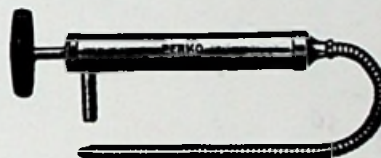


Fig. 336

Steel pump is painted red. Brass pump is in natural finish.

Flexible intake hose is 18 inches long, 1/2 inch outside diameter. Outlet spout is 2 1/4 inches long, 3/8 inches outside diameter.

Steel Each	Brass Each	Length Body Inches	Diam. Body Inches	Weight Pounds
\$4.60	\$7.00	11	1 1/2	1 1/2

CRANK CASE PUMP

FOR RUBBER HOSE OR TUBING
SINGLE ACTION—STEEL OR BRASS

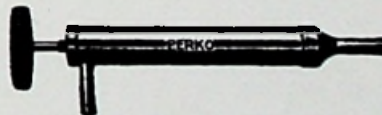


Fig. 335

Steel pump is painted red. Brass pump is in natural finish.

Inlet and outlet tubes will fit 3/8 inch rubber hose or tubing, so equipped, this pump may also be used as a bilge pump for small boats.

Steel Each	Brass Each	Length Body Inches	Diam. Body Inches	Weight Pounds
\$3.75	\$6.00	11	1 1/2	1 1/2



PERKO IMPROVED "FLEXO-SHAFT" ELECTRIC BILGE PUMPS

Patented

WITH FLEXIBLE PHOSPHOR BRONZE DRIVE SHAFT AND WATERPROOF CASING
CASING HAS "TEMFLEX" PLASTIC COVERING TO INCREASE ITS STRENGTH
ALL BRONZE EXCEPT MOTOR—BURNISHED FINISH.

The value of this pump arrangement is obvious at first sight.

Pass the shaft around corners, over or under bulkhead, ribs or any other obstructions and it operates.

Mount the motor anywhere, in a cabin, pilot house, or out in the cockpit far removed from gasoline fumes that usually settle in low places; place the pump where it is needed at the moment, at the lowest point of the bilge, under the engine, under low decking or any place other types of pumps cannot reach.

Inlet is through base which has heavy gauge brass strainer. Outlet is illustrated and is for 1 inch rubber hose, or 1/2 inch pipe.

CAPACITY—500 gallons per hour at 1 foot MAXIMUM HEAD—8 feet, with 3 foot shaft.
MOTOR IS LOW AMPERAGE 1/40 H.P. at 2000 R.P.M.

WITH DIRECT DRIVE

WITH ANGLE DRIVE

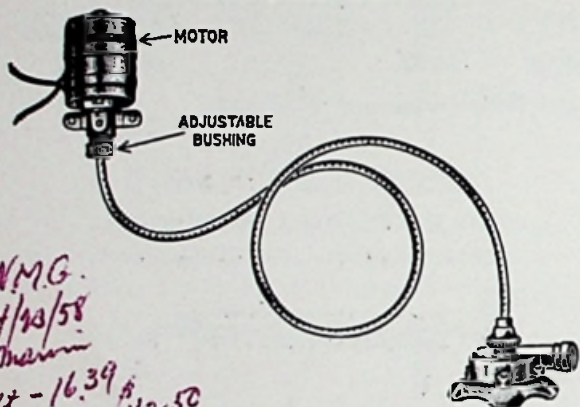


Fig. 666

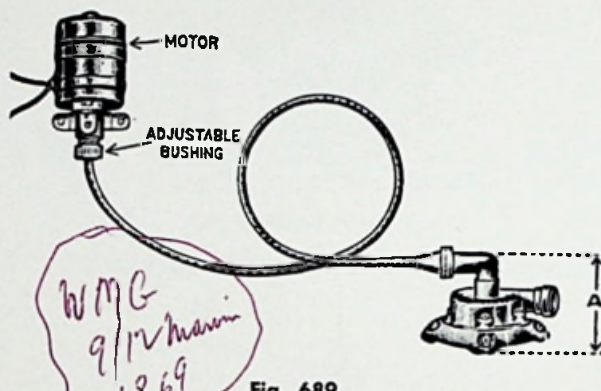


Fig. 689

Height Pump Inches
4 1/4

Diam. Base Inches
4 3/8

Weight Pounds
7

Height at "A" Inches
3 3/8

Diam. Base Inches
4 3/8

Weight Pounds
7 1/2

With 3 ft. shaft
With 6 ft. shaft
Motor only

6 Volt Each	12 Volt Each
\$45.00	\$45.00
50.00	50.00
12.00	12.00

With 3 ft. shaft
With 6 ft. shaft
Motor only

6 Volt Each	12 Volt Each
\$52.00	\$52.00
57.00	57.00
12.00	12.00

Standard Package, 6+++

CAPACITY WITH 4 FOOT HEAD—300 GALLONS PER HOUR
CAPACITY WITH 8 FOOT HEAD—120 GALLONS PER HOUR

SPARE PARTS

3 Foot shafts only	\$10.75 Each
6 Foot shafts only	15.25 Each
Fig. 666 Complete Pump Unit only	18.50 Each
Fig. 689 Complete Pump Unit only	25.50 Each
Impeller only	1.50 Each

Fig. 689 Mitre Gears with shaft	\$4.00 Per Pair
Fig. 689 Angle Elbow Less Gears	4.00 Each
Motor Bulkhead Bracket only	4.50 Each

NOTE—See page 88 for "Pipe to Hose" coupling, which permits attaching 3/8 inch hose to above pumps.

AUTOMATIC SWITCH FOR BILGE PUMPS

PRESSURE OPERATED DIAPHRAGM TYPE—FOR NON-AUTOMATIC BILGE PUMPS
CAST BRONZE—WITH SYNTHETIC RUBBER DIAPHRAGM—HEAVY DUTY MECHANICAL SWITCH

For All Voltages From 6 to 110

This device consists of a very sensitive switch in contact with a diaphragm of oil and grease resistant material. The wires are led through a neoprene hose above any normal water level.

This switch will start the pump operating when the water reaches the top of the switch or 2 1/4 inches. It will turn off again when the water reaches a depth of 1 inch but by connecting 1/4 inch tubing to the 1/8 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.

Burnished Complete Each	Spare Switch Each	Spare Diaphragm Each	Height Inches	Diam. Base Inches	Weight Pounds
\$17.50	\$3.00	\$1.10	2 1/4	4 1/4	2

Standard Package, 6+



Fig. 662



PERKO IMPROVED "FLEXO-SHAFT" AUTOMATIC ELECTRIC BILGE PUMPS

Patented

FLEXIBLE PHOSPHOR BRONZE DRIVE SHAFT AND WATERPROOF CASING
 CASING HAS "TEMFLEX" PLASTIC COVERING TO INCREASE ITS STRENGTH
 PRESSURE OPERATED DIAPHRAGM TYPE AUTOMATIC SWITCH—THREE WAY DASHBOARD SWITCH
 ALL BRONZE EXCEPT MOTOR—6-12 AND 110 VOLTS—BURNISHED FINISH
 WATERTIGHT—OPERATES WITH PUMP AND SWITCH HOUSING SUBMERGED

FEATURES—See write up on Figs. 666 and 689 (opposite page) for installation and other features.
BREATHER TUBE—Is heavy flexible "Koroseal," 18 inches long with 1/8 inch wall.
THREE WAY DASHBOARD SWITCH—Is indicated "Off," "Automatic" and "Non-automatic" and permits remote control accordingly.
ADJUSTABLE BUSHING—For adjustment of tension on driveshaft to assure full R.P.M. of pump impeller.
AUTOMATIC SWITCH—Starts pump operating when bilge water reaches a depth of about 1 1/2 inches and will "Shut off" at a depth of about 3/4 inch.
CAPACITY—500 gallons per hour at 1 foot head—300 gallons at 4 feet—120 gallons at 8 feet. Maximum head 8 feet with 3 foot shaft.
MOTOR—Low amperage 1/40 H.P. at 2000 R.P.M.

WITH DIRECT DRIVE

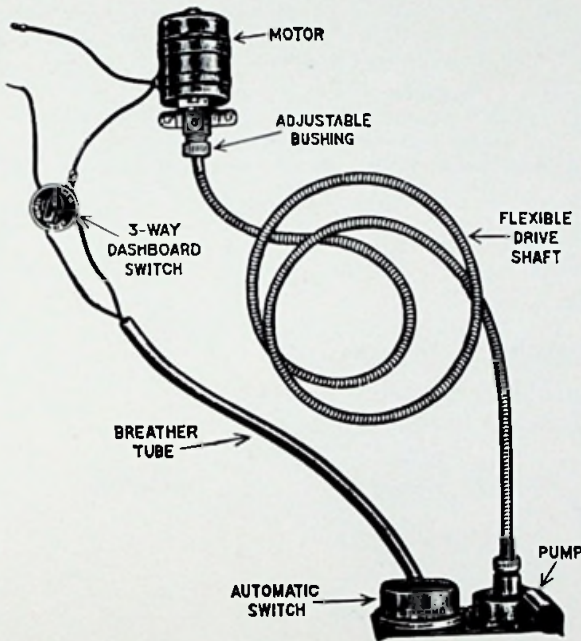


Fig. 742

WITH ANGLE DRIVE

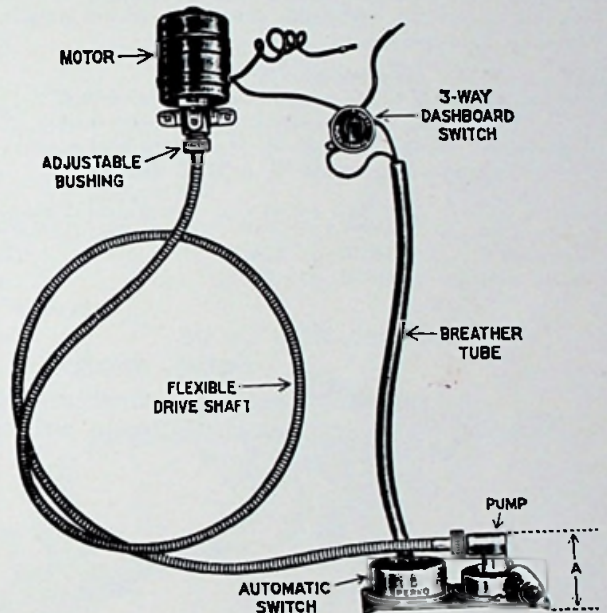


Fig. 743

	Fig. 742		Fig. 743		Fig. 742	Fig. 743	Size	Weight
	6 Volt	12 Volt	6 Volt	12 Volt	Height	Height	Base	Pounds
	Each	Each	Each	Each	Pump	at "A"	Inches	
					Inches	Inches		
With 3 foot shaft	\$70.00	\$70.00	\$76.00	\$76.00	2 1/2	2 3/4	7x4	8
With 6 foot shaft	75.00	75.00	81.00	81.00	2 1/2	2 3/4	7x4	8

Spare pump unit, complete except motor and shaft, Fig. 742, \$39.00 each, Fig. 743, \$44.00 each.
 Spare 3 way dashboard switches, \$4.00 each.
 Other spare parts, see page 84.

Perko "Flexo-Shaft" WATER SYSTEM PUMP

WITH PIPE INLET AND OUTLET—1/2 INCH
 CAST BRONZE—BURNISHED FINISH

Supplied complete with Flexible Drive Shaft and Motor per Fig. 666 Page 84.
 See Page 88 for diagram of installation. Capacity same as Fig. 666.

	6 Volt	12 Volt	Height	Weight
	Each	Each	Pump	Pump only
			Inches	Pounds
With 3 foot shaft	\$45.00	\$45.00	3 1/4	2
With 6 foot shaft	50.00	50.00	3 1/4	2

Pump only as illustrated, no shaft or motor, \$18.50 each.
NOTE—This pump does not have the ability to lift water from below the pump level, therefore, it is not intended for use as a bilge pump.
 See Page 88 for "Pipe to Hose" coupling, for attaching hose to above pumps.

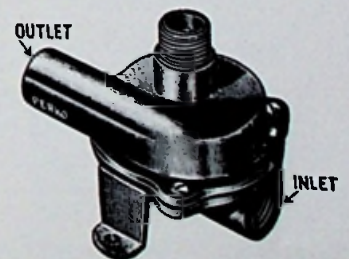


Fig. 748



"Junior" Electric BILGE PUMP

NON-AUTOMATIC—6 OR 12 VOLTS
ALL BRASS EXCEPT MOTOR
BAKED GRAY FINISH



Fig. 780

The result of a determined effort to produce a good practical electric bilge pump of high capacity at a price as low as possible and within the means of the majority of small boat owners.

Maximum head—7 feet
Capacity at 1 foot head—7 gallons per minute
Capacity at 4 foot head—4 gallons per minute
Motor is 1/40 H.P. at 2000 R.P.M.—8 amps. at 6 volts
Outlet is for regular 5/8 inch garden hose

	6 Volt Each	12 Volt Each	Height Overall Inches	Weight Pounds
Complete	\$26.50	\$26.50	8 1/2	2 3/8
Motor only	10.00	10.00		

BAIT TANK or WATER SYSTEM PUMP

ELECTRIC—6 OR 12 VOLTS
ALL BRASS EXCEPT MOTOR
BAKED GRAY FINISH

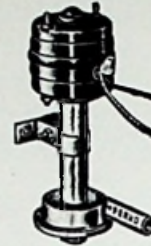


Fig. 781

When installed at or below the water line this pump is ideal for keeping the bait tank supplied with constant water changes.

As a water system pump it can be placed in the supply line from the fresh water tank to sink, lavatory, shower, etc., per diagram on page 88.

Complete with side mounting bracket
Outlet on side for regular 5/8 inch garden hose
Inlet in bottom tapped for 1/2 inch pipe
Information on head, capacity and motor see Fig. 780

	6 Volt Each	12 Volt Each	Height Overall Inches	Weight Pounds
Complete	\$26.50	\$26.50	8 1/2	2 3/8
Motor only	10.00	10.00		

Standard Package, 6†††

Perko Improved "ROTOFLEX" PUMPS

SYNTHETIC NEOPRENE COMPOUND ROTOR—NEOPRENE U-CUP SEALS—LEAKPROOF
ALL BRONZE BODY—MONEL SHAFT—BRASS GREASE CUPS—BURNISHED FINISH

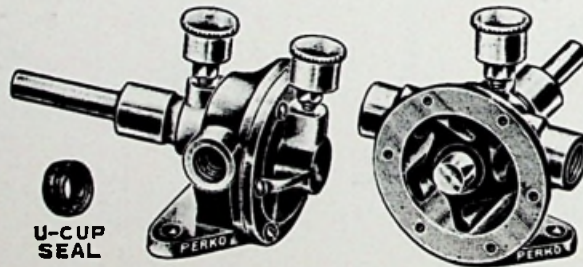


Fig. 696

Quiet operation—long continuous service—large capacity at low speed—for use with salt water, oil and tars self priming—will pump in either direction.

The rotor is a synthetic compound of neoprene and other chemicals resulting in high resistance to abrasion or wear, is impervious to oil and other impurities. The vanes of the rotor are highly flexible yet tough enough to resist the wear encountered by the passage of sand and other foreign matter; produce the necessary high vacuum and stand the continuous flexing as the rotor revolves.

The use of U-cup seals eliminates packing and packing glands.
Lift in feet, 25 to 30. Head in feet, 30 to 40.

Not to be used with synthetic solvents such as gasoline, naphtha, etc.

No.	Each	Spare Rotors Each	Size Pipe Connection Inches	Diam. Shaft Inches	Extreme Height Inches	Extreme Width Inches	Extreme Length Inches	Dimensions Base Inches	Capacity G.P.M.			Weight Pounds
									600 R.P.M.	*1000 R.P.M.	1500 R.P.M.	
2	\$16.00	\$1.65	3/8	1/2	3 1/2	3 1/2	6 1/4	3 x 1 1/4	4.1	4.9	6.4	2 3/8
3	21.00	2.40	1/2	3/8	3 3/4	4	6 3/4	3 3/4 x 2 1/4	7.1	8.5	11.0	3 3/8
4	25.50	2.85	3/4	3/4	4	4 1/2	8 3/4	4 x 3	13.0	16.5	22.0	5 1/4
5	30.50	2.85	1	3/4	4	5	8 3/4	4 1/2 x 3	15.7	19.2	26.0	6
6	56.75	6.50	1 1/4	3/4	5	7 1/4	9 1/2	5 1/2 x 3 1/2	19.5	33.5	48.0	14

Spare U-cup seals with brass retainer—\$.60 each. Specify size of shaft.

*Recommended maximum for continuous duty. Capacity shown based on 0 lbs. pressure. With special length of shaft, price on application. Motor recommended 1/4 to 1/2 H.P. for sizes No. 2-3-4-5 and up to 3/4 H.P. for size No. 6.



"PERKO" BRONZE GEAR TYPE PUMPS

SIZES NO. 3 AND 4 HAVE DROP FORGED BRONZE BODIES

The entire interior, including bearings, is tool machined, insuring perfect alignment and absolutely tight joints, blank bearing ends are solid (not soldered), all bearings are fully lubricated by brass grease cups. The drive shaft is in perfect alignment with the pump body. Pipe connections are Briggs standard pipe tap.

SINGLE LOWER DRIVE SHAFT

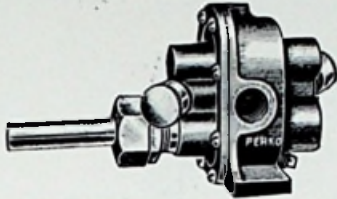


Fig. 684

Pump No.	With Spur Gears Each	With Herringbone Gears Each	Size Pipe Con- nection Inches	Size Drive Shaft Inches	Approximate Weight Each Pounds
2	\$21.75	\$21.75	1/4	1/2	3 3/4
3	24.90	....	3/8	5/8	5 1/2
4	28.00	....	1/2	3/4	6
7	34.90	....	3/4	5/8	9
9	36.50	36.50	1	3/4	9 1/2

SINGLE UPPER DRIVE SHAFT

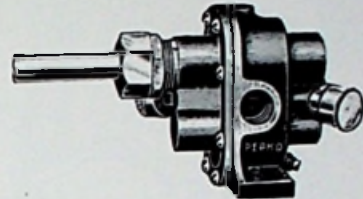


Fig. 682

Pump No.	With Spur Gears Each	With Herringbone Gears Each	Size Pipe Con- nection Inches	Size Drive Shaft Inches	Approximate Weight Each Pounds
2	\$21.75	\$21.75	1/4	1/2	3 3/4
3	24.90	24.90	3/8	5/8	5 1/2
4	28.00	....	1/2	3/4	6
7	34.90	34.90	3/4	5/8	9
9	36.50	36.50	1	3/4	9 1/2

DOUBLE LOWER DRIVE SHAFT

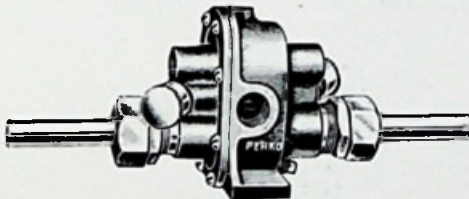


Fig. 685

Pump No.	With Spur Gears Each	With Herringbone Gears Each	Size Pipe Con- nection Inches	Size Drive Shaft Inches	Approximate Weight Each Pounds
2	\$25.50	\$25.50	1/4	1/2	4 1/2
3	30.50	....	3/8	5/8	6 1/4
4	31.50	....	1/2	3/4	6 3/4
7	40.25	40.25	3/4	5/8	9 1/2
9	43.00	43.00	1	3/4	9 3/4

DOUBLE UPPER DRIVE SHAFT

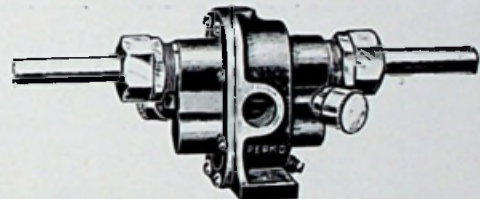


Fig. 683

Pump No.	With Spur Gears Each	With Herringbone Gears Each	Size Pipe Con- nection Inches	Size Drive Shaft Inches	Approximate Weight Each Pounds
2	\$25.50	\$25.50	1/4	1/2	4 1/2
3	30.50	....	3/8	5/8	6 1/4
4	31.50	....	1/2	3/4	6 3/4
7	40.25	40.25	3/4	5/8	9 1/2
9	43.00	43.00	1	3/4	9 3/4

NOTE—Figs. 682 and 684 in all sizes except 1 inch are reversible. That is, any person, dealer, user, etc., can change a lower shaft pump to "upper shaft" or vice versa in a few minutes.

NOTE—Don't fail to state figure and pump number desired. When ordering pump with herringbone gears be sure to specify direction of rotation, clockwise or counter-clockwise.

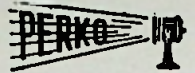
CAUTION—When above pumps are operated by belt and pulley be sure to use intermediate bearing on shaft.

GEAR PUMP PARTS

Pump No.	Spur Gears Each	Herringbone Gears Each	Drive Shaft Each	Idle Shaft Each
2	\$3.00	\$3.25	\$2.50	\$1.75
3	3.00	3.25	3.00	2.25
4	3.75	....	3.00	2.25
7	5.75	6.00	3.00	2.25
9	6.50	6.75	3.00	2.25

**CAPACITY TABLES FOR GEAR PUMPS AT 1725 R.P.M.
PRESSURE AND GALLONS PER MINUTE**

Pump No.	2		20		40		60		80	
	Lbs.	H.P.	Lbs.	H.P.	Lbs.	H.P.	Lbs.	H.P.	Lbs.	H.P.
2	4.0	1/4	3.7	1/4	3.5	1/3	3.4	1/3	3.2	1/2
3	7.5	1/2	7.0	1/2	6.5	3/4	6.5	1	6.3	1
4	10.5	1/2	10.0	3/4	9.5	3/4	9.1	1	8.5	1 1/2
7	19.5	3/4	19.0	1	18.5	1 1/2	18.5	2	18.5	2
9	23.5	1	23.0	1 1/2	22.5	2	22.0	2	21.5	3



"Perko" Electric WATER FAUCETS

ALL CAST BRONZE—WITH ADJUSTABLE SPOUT—6 AND 12 VOLTS

TURN THE HANDLE AND THE WATER STARTS TO FLOW. NO HAND PUMPING OR PRIMING NECESSARY.

Connect one or several of the faucets to our Figure 748 electric pump. (See below for suggested installation.) Water is then supplied to your sink or lavatory as easily as in your home. All connections are threaded for 1/2 inch pipe.

WITH HAND SWITCH



High Spout
Fig. 727



Low Spout
Fig. 728

SELF CLOSING TYPE



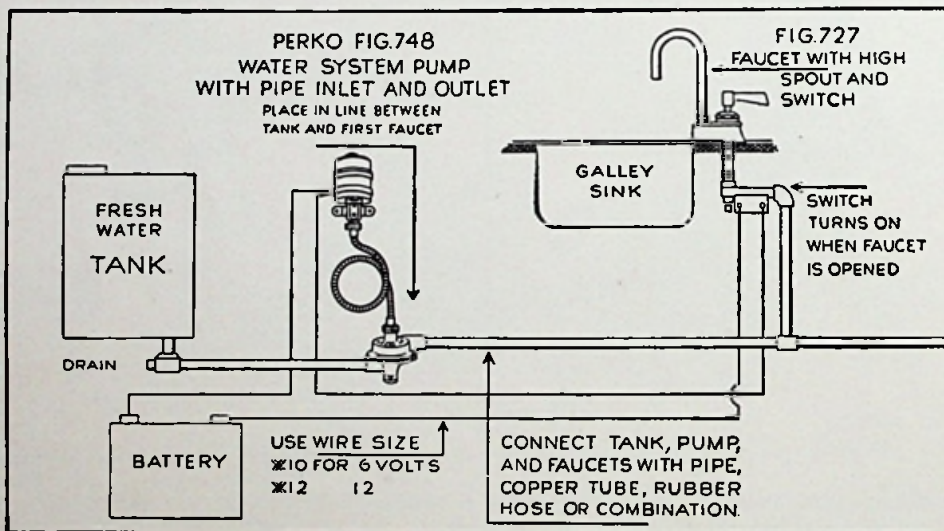
Fig. 740

Fig.	Chromium Plated Each	Height Above Drain Board Inches	Length Below Drain Board Inches	Weight Pounds
727	\$27.00	8 1/4	5 1/2	2 1/2
728	19.75	3 1/4	5 1/2	2

Standard Package, 6*

Chromium Plated Each	Height Above Drain Board Inches	Spout Projection Inches	Weight Pounds
\$22.50	3 3/4	2 3/4	2 1/2

Standard Package, 6



Bronze Utility CHECK VALVE

WITH BRASS BALL CHECK AND STRAINER



Fig. 265

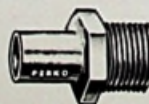
Ideal for holding prime in the inlet line of galley and lavatory pumps, bilge pumps, etc. Threaded both ends.

Each	Pipe Size Inches	Length Inches	Weight Ounces
\$2.25	1/2	1 1/8	3 1/2

Standard Package, 12

Brass "Pipe To Hose" COUPLINGS

1/2" PIPE TO 3/8" HOSE



Male Pipe Thread
Fig. 210

Each	Length Overall Inches
\$1.25	1 1/2

Standard Package, 12*



Female Pipe Thread
Fig. 212

Length Hose Couplings Inches	Weight Ounces
3/4	2 1/4



Improved Galley and Lavatory PUMPS
BRONZE—CHROMIUM PLATED



Fig. 467
Metal Handle

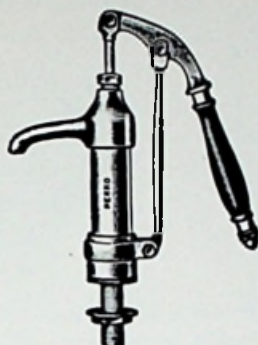


Fig. 473
Mahogany Handle



Fig. 144



Fig. 1040

IMPROVED INLET VALVE TO HOLD PRIME
WITH LEAKPROOF NEOPRENE U-CUP SEALS

Fig.	Diam. Barrel Inches	Length Barrel Inches	Length Neck Inches	Threaded For Pipe Inches	Weight Pounds
467	1½	6½	2½	½	3½
473	1½	6	2½	½	3½

Fig.	Chromium Plated Each	Chromium Plated Handle Only Each	Mahogany Grip Only Each
467	\$29.50	\$4.50	
473	30.50	5.50	\$1.05

Repair Kit, each \$3.00.

FLARED FLANGE — NEOPRENE PLUNGER
IMPROVED VALVE TO HOLD PRIME

Length of stroke is 5¼ inches.

Inlet is threaded for ¾ inch pipe.

Fig.	Diam. Barrel Inches	Length Overall Inches	Projection Spout Inches	Height Spout Inches	Weight Pounds
144	1½	13½	3	0	3
1040	1½	14½	4½	3	3½

—Exposed Parts Only—
Chromium Plated Each

Fig.	Chromium Plated Each	Repair Kits Each
144	\$23.00	\$2.75
1040	25.00	2.75

ANGLE TYPE
DOUBLE ACTION—SWIVEL SPOUT
EFFORTLESS OPERATION



Fig. 677

Angle toward user when installed permits easy effortless operation.

Spout swivels to various positions.

Bottom valve is an improved type to hold prime.

Capacity, 10 strokes per quart.

Chromium Plated Each	Inlet Pipe Size Inches	Spout Projection Inches	Height Flange to Spout Inches	Weight Pounds
\$19.00	¾	4	4¼	2¼

Repair Kit, each \$2.25.

"EZY-FLO"
ALL BRASS—CHROMIUM PLATED

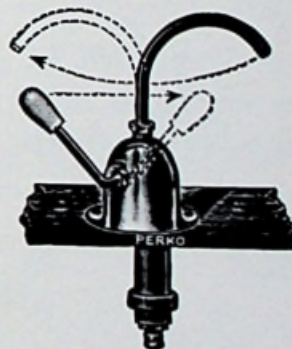


Fig. 177

Finger tip control, easy operation, self priming.

Handle operates with short rocking strokes so effortless a child can work it.

Spout swivels to any direction desired.

Inlet fits 5/8" rubber hose or 3/8" pipe.

Capacity—20 strokes per quart.

Each	Extreme Height Above Drain Board Inches	Dimensions Mounting Base Inches	Weight Pounds
\$26.00	8	4x1½	2¼

Repair Kit, each 4.15.



Stainless Steel SINKS

DEEP DRAWN, SEAMLESS CONSTRUCTION
19 GAUGE 18-8—NATURAL FINISH

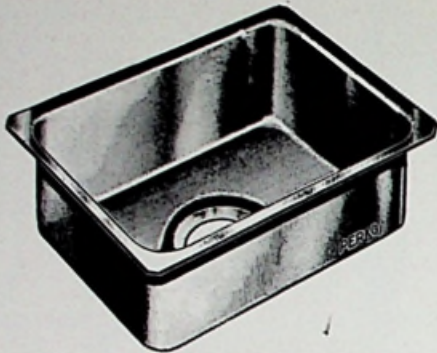


Fig. 356

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	\$26.00	9 $\frac{1}{4}$ x13 $\frac{3}{8}$	11 $\frac{1}{8}$ x15 $\frac{1}{8}$	5	4
2	32.50	11 $\frac{1}{2}$ x16 $\frac{1}{4}$	13 $\frac{1}{2}$ x18 $\frac{3}{8}$	6	6 $\frac{1}{2}$
3	39.50	11 $\frac{3}{4}$ x19 $\frac{3}{8}$	13 $\frac{3}{8}$ x21 $\frac{1}{8}$	7	7 $\frac{1}{2}$
4	63.00	16 x20	18 x22	8 $\frac{1}{2}$	9 $\frac{1}{2}$

Drain fittings for above, see fig. 357.

Stainless Steel SINK FRAMES

FOR FLUSH INSTALLATION—SELF SEALING
EASILY INSTALLED—NO SPECIAL TOOLS REQUIRED



Fig. 347

Complete with mounting lugs, bolts and corner brackets.

No.	Each	For Sink Outside Dimensions Inches
1	\$9.75	11 $\frac{1}{8}$ x15 $\frac{1}{8}$
2	9.75	13 $\frac{1}{2}$ x18 $\frac{3}{8}$
3	9.75	13 $\frac{3}{8}$ x21 $\frac{1}{8}$
4	10.50	18 x22

Stainless Steel SINKS

ROUND
DEEP DRAWN, SEAMLESS CONSTRUCTION
20 GAUGE 18-8 NATURAL FINISH



Fig. 271

Bottom is heavily undercoated for sound deadening.
Packed in individual cartons.

No.	Each	Diameter Inside Inches	Diameter Outside Inches	Depth Inside Inches	Weight Pounds
6	\$14.50	10 $\frac{1}{4}$	12 $\frac{1}{4}$	5	2

Drain fitting for above, see fig. 586.

Pressed Steel SINK

WHITE PORCELAIN ENAMELED
FLAT RIM



Fig. 402

Packed in individual cartons.

Sink Only Each	Size Inside Inches	Size Outside Inches	Depth Inches	Weight Pounds
\$10.25	10 $\frac{1}{2}$ x16	12 $\frac{3}{4}$ x18	4 $\frac{3}{4}$	4

Drain fitting for above, see fig. 586.

DRAIN FITTINGS WITH TAIL PIECE FOR HOSE



Fig. 357



Fig. 586

Fig.	Each	Opening In Sink Inches	Diameter Tail Piece Inches	Weight Ounces
357	\$5.50	3 $\frac{1}{2}$	1 $\frac{1}{2}$	20
586	2.60	2	1 $\frac{1}{2}$	10

Fig. 357 is stainless steel and is for sink fig. 356.

Fig. 586 is brass, chromium plated and is for sinks Figs. 271 and 402.

8.75
11.00
13.30
L 21 30

over cost
4.90

LAVATORIES

WHITE VITREOUS CHINA LAVATORIES WITH INTEGRAL BACK AND ROUND BASIN WITH OVERFLOW.



Fig. 830
Corner Type



Fig. 831
Flat Back



Fig. 832
Flat Back

Fitted with chromium plated waste plug, chainstay, chain, stopper and tail piece.

Fig.	No.	Without Pump or Faucet Each	With Faucet Each	Lavatory Size Inches	Diameter Basin Inches	Diameter Outlet Inches	Diameter Pump Inlet Inches	Height Back Inches
830	1	\$38.25	\$47.75	12x12	10	1 1/4	1/2	2 1/2
	2	47.00	56.50	14x14	11	1 1/4	1/2	2 1/2
831		32.00	41.50	12x12	10	1 1/4	1/2	2 1/2
832		36.50	46.00	14x14	11	1 1/4	1/2	2 1/2

NOTE: Pumps for above, see Figs. 144-467-473-1040. Faucets are Chromium plated bronze, marked "Hot" or "Cold", please specify. All above furnished without pump or faucet unless otherwise specified.

LUCITE LAVATORIES

CHIP PROOF—HEAT RESISTANT—RESILIENT

LIGHTWEIGHT—IMPERVIOUS TO RUST

LUSTROUS WHITE

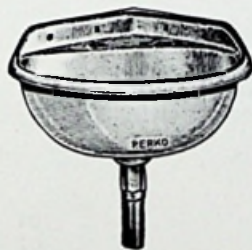


Fig. 823



Fig. 825

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

Will accommodate regular faucets or our various lavatory pumps.

Supplied complete with 1 1/4 inch tail piece for outlet.

Fig.	Each	Size Inches	Size Basin Inches	Height Back Inches	Weight Pounds
823	\$19.25	14 x 15 1/4	12 x 9	1 1/4	1 1/4
825	19.25	14 1/4 x 12 3/4	12 1/2 x 7 1/2	1 1/8	2

Standard Package, 6*

TOILET REPAIR PARTS AND KITS

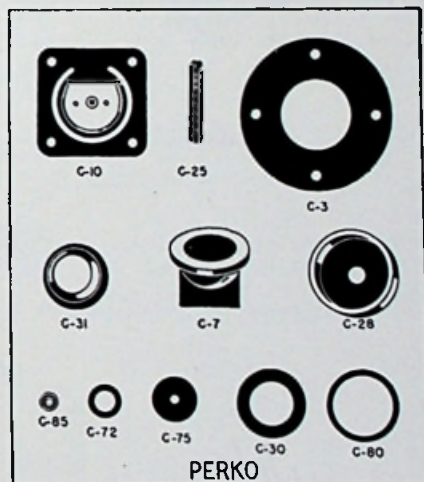


Fig. 909

White Seat and Cover complete Each \$8.75
White Vitreous Bowl only Each 20.00
Flush Tube (Rubber Hose) Each 1.30

REPAIR KITS

Repair Kits complete, consisting of the following parts and quantity in each kit Each \$7.50

Part No.	Each	Description	Quantity Per Closet
C-3	\$.90	Bowl Flange Gasket	1
C-7	1.30	Neoprene Jaker Valve	1
C-10	1.00	Neoprene Check Valve	2
C-25	.20	Flax Piston Rod Packing	2
C-28	.60	Cup Leathers for Piston	2
C-30	.10	Bowl Spud Friction Washer	2
C-31	.10	Bowl Spud Gasket	1
C-72	.10	Inlet Coupling Washer	2
C-75	.15	Inlet Valve Seat Rubber	1
C-80	.10	Cap Nut Washer	2
C-85	.30	U-Cup Seal for Supply Valve	1
C-86	.02	Brass Cotter Pins 1/16 x 1	6



"PERKO" IMPROVED MARINE CLOSETS

FOR ABOVE OR BELOW WATERLINE

WHITE VITREOUS CHINA BOWLS—ALL BRONZE PUMPS AND FITTINGS, WHITE FINISH
ALL WHITE SEATS AND COVERS WITH BRASS CHROMIUM PLATED HINGES
WITH NEOPRENE "JOKER" BACKWATER CHECK VALVE

BOWL is of rim flushing type with thru-way integral boss on back for positive and watertight connection of supply pipe.

PUMP for supply and discharge is 2½ inches with double action cup leather piston. Length of stroke is 2 inches.

VALVES, waste valve contains Neoprene Clack Washers. The combination supply and check valve has thick Neoprene washer. A Neoprene "Joker" Backwater Check Valve is in the discharge tail piece.

WASTE ARM has ½ inch pipe size clean out opening in both ends ample to allow cleaning out of foreign matter or quick draining when hauling out.

OUTLET is 1½ inches I. P. S. with tail piece for lead pipe or hose connection.

INLET is ¾ inch I. P. S. with tail piece for lead pipe or hose connection.

"Boatman"

With Hand Operated Supply Valve

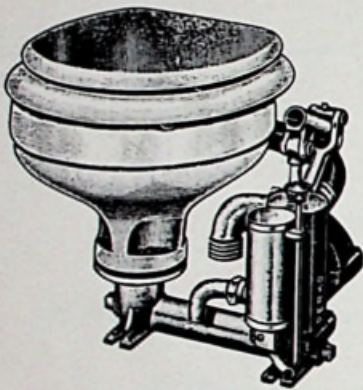
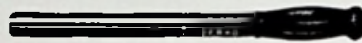


Fig. 828-C



Horizontal Handle



Vertical Handle

"Yachtsman"

With Foot Operated Supply Valve

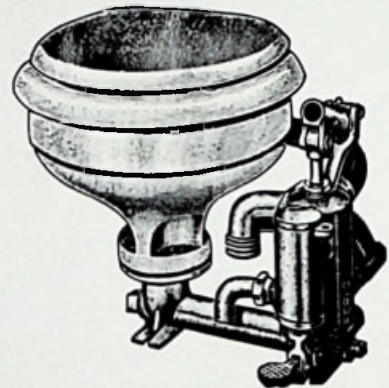


Fig. 829-C

Overall Width
Side to Side
Inches
17

Overall Depth
Front to Back
Inches
16

Overall
Height
Inches
13¼

Overall Size
Base
Inches
10¼x4¾

Weight
Pounds
47

Fig. 828-C-H with Horizontal Handle Each \$ 99.50
Fig. 828-C-V with Vertical Handle Each 102.00

Fig. 829-C-H with Horizontal Handle Each \$101.50
Fig. 829-C-V with Vertical Handle Each 102.50

Furnished with pump on right or left side. Right hand facing supplied unless otherwise specified.

New "Little John"

*6/6/58
maxon
W.M.G.
\$39.84*

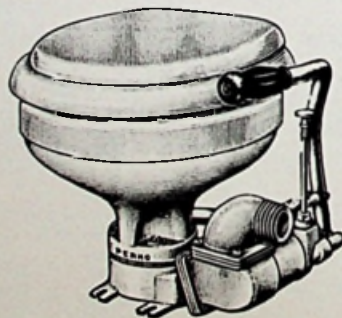


Fig. 833

Each
\$86.50

Overall Width
Side to Side
Inches
16

Overall Depth
Front to Back
Inches
16

Overall
Height
Inches
13¼

Overall Size
Base
Inches
9x5

Weight
Pounds
36

This compact little closet was designed primarily for small boats where space is limited. The specifications above apply except for the "Joker" valve which is not necessary, valves are neoprene clack type.



Bronze SEA COCKS
WITH DRAIN PLUGS—ROUND WAY
REMOVABLE HANDLE



Fig. 834



Fig. 835

Size Inches	Fig. 834 Each	Fig. 835 Each	With Fig. 86 Strainer Add Each	Size Strainer Inches	Without Hull Connection Deduct Each
3/4	\$17.40	\$17.00	\$1.20	3 1/2	\$2.00
1	23.20	22.35	1.20	3 1/2	2.65
1 1/4	28.80	28.00	1.60	4 1/4	3.80
1 1/2	33.10	32.45	2.40	5	4.75
2	56.00	55.00	3.10	6	7.00

Standard Package, 6**

Bronze TAIL PIECES

For lead pipe or hose connections, furnished complete with rubber washer.



Fig. 67 Straight
Fig. 78,
90 Degree

I.P.S. Size Inches	O.D. Tail Piece Inches	Fig. 67 Each	Fig. 78 Each
3/4	3/4	\$.80	
3/8	1/2	.80	
1/2	1/2	1.05	
3/4	3/4	1.25	\$1.65
1	1	1.80	2.80
1 1/4	1 1/4	2.15	3.05
1 1/2	1 1/2	3.20	3.85
2	2	4.35	5.50

Standard Package, 6*

Thru-Hull CONNECTIONS
CAST BRONZE—BURNISHED
WITH AND WITHOUT TAIL PIECE

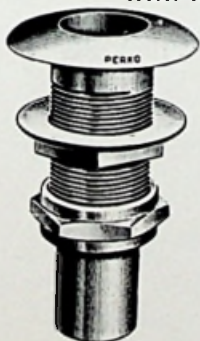


Fig. 64

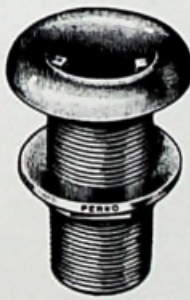


Fig. 322

Size Pipe Inches	Fig. 64 Each	Fig. 322 Each	Length Neck Inches	O.D. Tail Piece Inches	Diam. Flange Inches	Wt. Fig. 64 Lbs.	Wt. Fig. 322 Lbs.
3/8	\$2.70	\$1.90	2 3/8	1/2	1 3/8	3/8	1/4
1/2	3.15	2.10	2 3/8	1/2	1 3/8	1/2	3/8
3/4	3.95	2.70	2 5/8	3/4	2	3/4	1/2
1	5.45	3.65	2 3/4	1	2 1/4	1	3/4
1 1/4	7.60	5.45	3 1/2	1 1/4	2 3/4	1 3/4	1 1/2
1 1/2	10.00	6.80	3 3/4	1 1/2	3	2 1/8	1 3/8
2	14.00	10.00	4	2	3 1/2	3	1 3/4
2 1/2		13.30	4	2	4 1/2	5	2 1/4

Standard Package, 6*

Water OUTLETS
CAST BRONZE



Fig. 332

No.	Size Pipe Inches	Diam. Flange Inches	Length of Pipe Inches	Weight
1	3/4	2 1/4	2 1/4	12 oz.
2	1	3	3 1/4	1 lb.

No.	Burnished Bronze Each	Polished Bronze Each	Chromium Plated Each
1	\$4.75	\$5.75	\$6.50
2	5.00	6.00	6.75

Standard Package, 6*

Speedboat STRAINERS

CAST BRONZE—BURNISHED

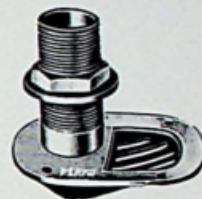


Fig. 65

Designed to prevent clogging. Will admit full supply of water at all speeds.

Size Pipe Inches	Each	Length Pipe Inches	Size Strainer Inches	Weight Pounds
1/2	\$3.45	2 1/4	2 1/2 x 3 1/2	3/8
3/4	4.20	2 3/4	3 x 4	3/8
1	5.20	3	3 3/4 x 4 1/4	1 1/8
1 1/4	7.85	3 3/4	3 3/4 x 4 1/2	1 1/4

Standard Package, 6*

Scoop STRAINERS

CAST BRONZE—BURNISHED



Fig. 66

Can be used with inlet connection, Fig. 64. No. 1 will fit up to 1/2 inch. No. 2 will fit up to 1 inch. No. 3 will fit up to 1 1/4 inches. No. 4 up to 2 inches.

No.	Each	Outside Dimension Inches	Weight Each
1	\$.95	3 1/2 x 2 1/2	4 oz.
2	1.40	5 x 3 1/2	7 oz.
3	2.75	6 1/4 x 4 1/4	1 lb.
4	5.20	8 1/4 x 5 1/4	2 lbs.

Standard Package, 6*

Round STRAINERS

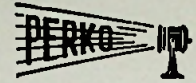
CAST BRONZE—BURNISHED



Fig. 86

Outside Diam. Inches	Each	Inside Diam. Inches	Weight Each
2 1/2	\$.70	1 3/4	2 oz.
3	.80	2	4 oz.
3 1/2	1.20	2 3/8	5 oz.
4 1/4	1.60	3	6 oz.
5	2.40	3 3/4	12 oz.
6	3.10	4 1/2	1 lb.
8	5.25	6	2 lbs.
10	8.00	8 1/4	3 lbs.

Standard Package, 6*



IMPROVED "AIR SCOOP" CABIN WINDOWS

WITH SPIGOT — FINISHING FRAME — BUILT-IN SCREEN

CAST BRONZE OR CAST ALUMINUM

HINGED PLEXIGLAS WINDOW, RUBBER GASKETED, WATERTIGHT

Patent No. 2,789,635

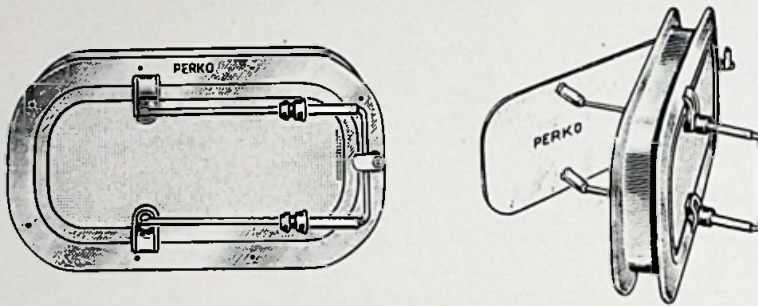


Fig. 843

A new idea in marine windows but a proven principle for gathering in every possible cup full of air as any owner of a modern automobile will agree.

The answer to a galley slave's prayer.

Eliminates the need for old fashioned unsightly wind scoops.

Eliminates the heavy hinged door, the tightening and loosening of large wing nuts, the chains, hooks etc. necessary to keep the window open.

The window handle serves two purposes, to open or close the window and to hold the window at the desired opening for a little or lot of ventilation.

The handle is held in closed position by a turn latch. The simple method of operating is clearly shown in the above illustration. The window, when closed against the soft rubber gasket, is watertight. The rubber corks visible on the handle are used to close opening in screen when window is open.

The screen is permanently built in and does not interfere with opening or closing the window.

No.	Size of Opening Inches	Plain Bronze Each	Plain Aluminum Each	Without Finishing Frame Deduct		Outside Dimensions of Frame Inches	Length Spigot Inches	Thickness Glass Inches	Bronze Weight Pounds	Aluminum Weight Pounds
				Bronze Each	Aluminum Each					
1	5x12	\$35.50	\$25.50	\$2.80	\$1.60	8x15	2	3/16	12	4 1/4
2	7x16	52.25		3.70		10x19	2	3/16	15 1/2	



Round PORTLIGHTS

CAST BRONZE

GLASS AREA IS SAME DIAMETER AS OPENING



Fig. 317

Diam. Opening Inches	Plain Bronze Each	Diam. Clear Glass Inches	Outside Diam. Frame Inches	Thickness Glass Inches	Weight Pounds
4	\$12.20	4	7 ³ / ₈	1/4	2 ³ / ₄
5	15.20	5	8 ³ / ₄	1/4	4 ³ / ₈
6	17.65	6	9 ³ / ₄	1/4	5 ⁵ / ₁₆
7	25.00	7	10 ⁷ / ₈	3/8	8
8	28.30	8	12 ¹ / ₄	3/8	9 ⁷ / ₈
10	55.00	10	15 ³ / ₄	1/2	19 ¹ / ₂

All sizes have Removable Hinge Pin.

10 inch has Two Fastenings.

Standard Package, 6*

DECK LIGHTS

CAST BRONZE—FOR WOOD DECKS



Fig. 838

Diameter Clear Glass Inches	Plain Bronze Each	Polished Bronze Each	Thickness Glass Inches	Outside Diam. Frame Inches	Weight Pounds
3 ¹ / ₂	\$ 5.60	\$ 9.00	1/4	5 ³ / ₄	1 ¹ / ₄
4	6.10	9.60	1/4	6 ¹ / ₂	2
5	9.80	13.75	3/8	7 ¹ / ₂	3 ³ / ₈
6	12.20	16.75	3/8	8 ¹ / ₂	3 ³ / ₈
8	20.90	25.90	1/2	11	7 ¹ / ₄

More-Air PORTLIGHTS

INSIDE PATTERN—FOR WOOD HULLS

CAST BRONZE—PLAIN

COMPLETE WITH OUTSIDE FINISHING RING

GLASS AREA IS SAME DIAMETER AS OPENING

ALL SIZES ARE GROOVED FOR SCREENS

WITH REMOVABLE HINGE PIN

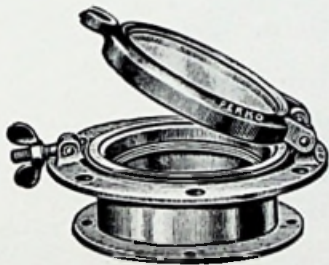
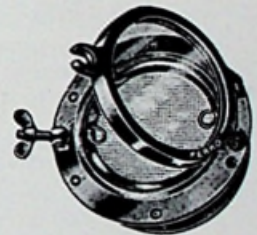


Fig. 157

Showing Screen in Place



Opening Inches	For Thickness of Wood		Outside Diameter Frame Inches	Thickness Glass Inches	Weight 1 1/2 inch Spigot In Pounds
	1 1/2 Inch Plain Bronze Each	3 Inch Plain Bronze Each			
4	\$13.00	\$14.75	6 ⁷ / ₈	1/4	4 ¹ / ₂
5	14.75	17.75	7 ³ / ₄	1/4	6
6	19.00	21.90	8 ³ / ₄	1/4	7 ³ / ₄
7	25.50	30.40	10 ¹ / ₂	3/8	11
8	29.75	34.00	11 ¹ / ₂	3/8	14 ¹ / ₂
10	51.00	57.00	14 ¹ / ₂	1/2	20

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

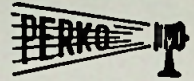
10 inch size has two fastenings.

Without outside finishing ring, deduct from above prices the following:

Plain	4 Inch	5 Inch	6 Inch	7 Inch	8 Inch	10 Inch
	\$1.15	\$1.30	\$1.60	\$2.70	\$3.10	\$5.15

NOTE—Screens for all portlights above see Fig. 442.

Stock size is for 1 1/2 inch wood, other sizes made to order only.



**Marine WINDOWS
WITH SPIGOT
PLAIN BRONZE OR ALUMINUM
WATERTIGHT—TWO FASTENINGS**

*TSOC
6/10/58
Mason
Br Alum
1-12.15-885
2-16.18-1143*



Fig. 796

Furnished complete with removable screen and outside finishing frame.

Designed to supply the maximum amount of air and light possible while keeping bulk and weight to a minimum.

No.	Size of Opening Inches	Plain Bronze Each	Plain Aluminum Each	Without Finishing Frame Deduct	
				Bronze Each	Aluminum Each
1	5x12	\$36.60	\$28.65	\$2.70	\$1.80
2	7x16	50.70	35.50	3.40	2.15

Standard Package, 25**

No.	Dimensions Outside of Frame Inches	Length Spigot Inches	Thickness Glass Inches	Bronze Weight Pounds	Aluminum Weight Pounds
1	7 3/4 x 14 3/4	2	1/4	16	7
2	10 x 19 1/4	2	1/4	22	10

**Marine WINDOWS
WITHOUT SPIGOT
PLAIN BRONZE OR ALUMINUM
WATERTIGHT—TWO FASTENINGS**



Fig. 803

Furnished complete with removable screen. Without finishing frame.

No.	Size of Opening Inches	Plain Bronze Each	Plain Aluminum Each	Bronze Weight Pounds	Aluminum Weight Pounds
3	5x12	\$29.00	\$24.00	11 1/2	5
4	7x12	37.00	29.00	16	7

SPECIAL FINISHING FRAMES FOR FIG. 803

3	5x12	\$ 6.00	\$ 5.50	2 1/2	1
4	7x16	7.50	7.00	3 1/2	1 1/2

Standard Package, 25**

NOTE—These Special Finishing Frames have mounting holes drilled to line up with those in window frame.

For other dimensions, see Fig. 796 above.

NOTE—Spare Screens for Figs. 796 and 803, size 5x12 inches—\$5.50 each. Size 7x16 inches—\$6.25 each.

**Oval Inside PORTLIGHTS
PLAIN BRONZE OR ALUMINUM
WITH OUTSIDE FINISHING RING AND
REMOVABLE HINGE PIN**

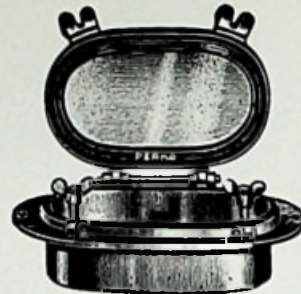


Fig. 897

Size of Opening Inches	Bronze For Wood Thickness 1 1/2 Inches	Aluminum For Wood Thickness 1 1/2 Inches
4x7	\$24.70	\$18.70
5x9	31.60	23.20

Standard Package, 25**

Without Outside Finishing Ring, Deduct from Above Prices the Following:

Size Inches	Bronze Each	Aluminum Each
4x7	\$ 2.00	\$ 1.50
5x9	2.85	2.20

Size of Opening Inches	Length Flange Inches	Width Flange Inches	Thickness Glass Inches	Bronze Weight Pounds	Aluminum Weight Pounds
4x7	10	7	3/8	8 1/2	4 1/4
5x9	12 1/2	8	3/8	11 3/4	6

NOTE—Screens for above, see Fig. 443.

RUBBER for Portlights



Fig. 461

Size	Per Foot
1/4 inch square	\$.17
3/8 inch square	.22
1/2 inch square	.33

Standard Package, 12 Lengths**

Supplied only in 12 1/2 foot lengths

**Glass Run WINDOW CHANNEL
WITH STAINLESS STEEL BEAD**

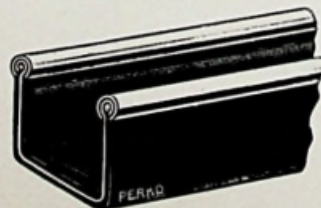
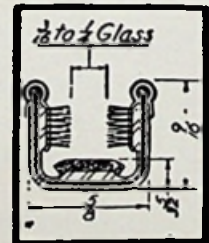


Fig. 482



Vulcanized rubber covered, mohair lined. The highest quality channel of its type.

Supplied only in 8 foot lengths.

Per Length	Outside Width Inches	Height Inches	For Glass Inches	Weight Per Length Pounds
\$5.80	3/4	3/8	3/16-1/4	1 1/4

Standard Package, 12 Lengths.



ROUND FRAMES For Glass
CAST BRONZE



Fig. 444

Size No.	Plain Each	Inside Diam. Inches	Outside Diam. Inches	Weight Pounds
1	\$1.55	4	5 $\frac{3}{4}$	$\frac{1}{2}$
2	1.85	4 $\frac{1}{4}$	6 $\frac{1}{4}$	$\frac{3}{8}$
3	2.00	5	6 $\frac{3}{4}$	$\frac{11}{16}$
4	2.10	5 $\frac{1}{2}$	7 $\frac{1}{4}$	$\frac{3}{4}$
5	3.10	6	8	$\frac{7}{8}$
6	3.60	6 $\frac{3}{8}$	8 $\frac{1}{2}$	1
7	4.10	7 $\frac{1}{4}$	9 $\frac{3}{4}$	1 $\frac{1}{8}$
8	6.25	8 $\frac{1}{8}$	11 $\frac{1}{4}$	1 $\frac{1}{4}$
10	8.40	10 $\frac{3}{8}$	13 $\frac{1}{4}$	2 $\frac{1}{4}$

Polished or Chromium Plated price on application.

Round Portlight SCREENS
BRONZE—SPRING TYPE
FOR FIGS. 157 AND 317 PORTLIGHTS



Fig. 442

For Size Opening Inches	Bronze Each	Dull Chromium Plated Each	For Size Opening Inches	Bronze Each	Dull Chromium Plated Each
4	\$2.65	\$3.65	7	\$3.95	\$5.00
5	3.00	4.00	8	4.35	5.35
6	3.35	4.35	10	5.75	6.75

Oval Portlight SCREENS
BRONZE—SPRING TYPE
FOR FIG. 897 PORTLIGHT



Fig. 443

For Size Opening Inches	Bronze Each	Dull Chromium Plated Each
4x7	\$3.85	\$4.85
5x9	4.50	5.50

Round FINISHING RINGS
For Inside Portlights
CAST BRONZE—PLAIN



Fig. 455

Size No.	Plain Each	For Size Portlight Inches	Inside Diam. Inches	Outside Diam. Inches	Weight Pounds
1	\$1.15	4	4 $\frac{1}{2}$	5 $\frac{1}{8}$	$\frac{1}{2}$
2	1.30	5	5 $\frac{1}{8}$	6 $\frac{1}{8}$	$\frac{1}{2}$
3	1.60	6	6 $\frac{3}{8}$	7 $\frac{1}{8}$	$\frac{3}{8}$
4	2.70	7	7 $\frac{3}{8}$	9 $\frac{1}{8}$	1
5	3.10	8	8 $\frac{3}{8}$	10 $\frac{1}{4}$	1 $\frac{3}{4}$
7	5.15	10	10 $\frac{3}{8}$	13	2 $\frac{1}{4}$

Round Portlight SCREENS
BRASS FRAME—COPPER SCREENING
FRICTION TYPE—FOR RECESSED PORTLIGHTS



Fig. 434

Outside Diameter Inches	For Size Portlight Inches	Each	Outside Diameter Inches	For Size Portlight Inches	Each
4 $\frac{1}{8}$	4	\$2.75	8 $\frac{1}{8}$	8	\$4.60
5 $\frac{1}{8}$	5	3.15	9 $\frac{1}{8}$	9	4.80
6 $\frac{1}{8}$	6	3.45	10 $\frac{1}{8}$	10	6.00
7 $\frac{1}{8}$	7	4.20	12 $\frac{1}{8}$	12	6.85

Larger sizes made to order—Price on application.

Portlight CHAINS
BRONZE



Fig. 441

Polished Each	Chromium Plated Each	Length Inches	Size Plate Inches	Weight Ounces
\$2.00	\$2.85	8	1 $\frac{1}{4}$ x1	3



THE NEW "PERKO" OUTBOARD STEERERS

BRILLIANT COLORS — MODERN STYLING — CHROMIUM PLATED HOUSING — NYLON BEARINGS

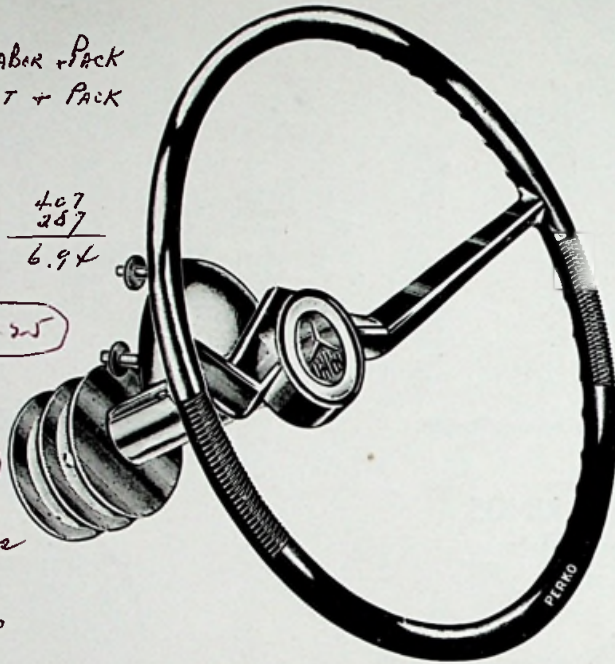
7/16/57

Body COSTS 2.54 inc. LABOR + PACK
WHEEL COSTS 2.39 inc. FT + PACK

2.54	2.39	4.07
15	48	287
3.39	2.87	6.94
15		
4.07		

We get \$7.25

our cost (less tool amortization) 6.94
leaves \$14 each for tools
TOOLS COST OVER \$15,000



5 COLORS

IVORY — RED — GREEN — EVINRUDE BLUE — JOHNSON BRONZE

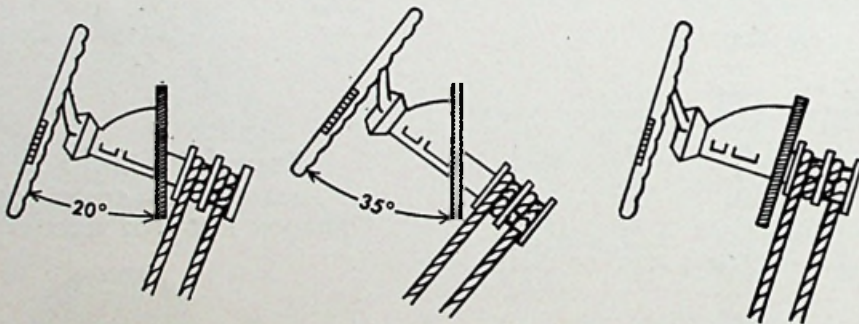


FIG. 1270

FIG. 1271

FOR ANGLE DASH
FIG. 1272

Each	Outside Diameter Wheel Inches	Diameter Drum Inches	Length Overall Inches	Length Dash To Center of Wheel Inches	Weight Pounds
\$16.95	15	2 3/8	12 3/8	7 1/2	7 1/4

A VERY ATTRACTIVE WHEEL OF MODERN DEEP DISH, 2-SPOKE DESIGN WITH MOULDED FINGER GRIPS FOR EASE OF HANDLING.

HOUSING IS A PERFECTLY ENGINEERED, HIGH GRADE PRECISION DIE CASTING, POLISHED AND CHROMIUM PLATED. BEARINGS ARE NYLON, ASSURING SMOOTH OPERATION.

Standard Package, 12++



Outboard Cruiser STEERER

FOR TILLER ROPE
BRASS-CHROMIUM PLATED BULKHEAD BRACKET
15 INCH DIAMETER WHEEL—RED OR IVORY
CAST ALUMINUM DOUBLE DRUM

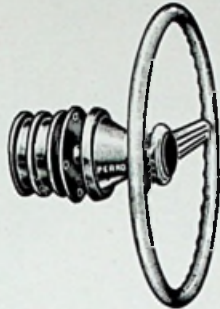


Fig. 570

Complete with four chromium plated bolts and nuts for mounting.

Each	Diameter Drum Inches	Length Overall Inches	Diameter Bracket Inches	Weight Pounds
\$21.00	3½	9½	4¾	7

Standard Package, 3†

Universal Worm Geared STEERER

CAST BRONZE HOUSING—ALL BRONZE GEARS

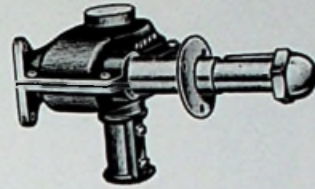


Fig. 524

A completely universal steerer in all respects. Can be operated either right or left hand and wheel shaft may be quickly and easily reversed for wheel box or thru-bulkhead mounting.

For rudder of 4 square foot area.

For 1 inch diameter vertical shaft.

Each	Diam. Wheel Shaft Inches	*Length Wheel Shaft Inches	Length For Hub Inches	Size Bracket Overall Inches	Weight Pounds
\$70.00	1	3	2½	5x2¾	7½

With Chromium plated nut and plate add \$1.00.

*Length between box and wheel.

Drum STEERERS

GALVANIZED CAST IRON OR CAST BRONZE FOR TILLER ROPE



Fig. 661

Diam. Overall Inches	Galv. Each	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Diam. Drum Inches	Length Drum Inches
12	\$ 9.50	\$15.00	\$17.75	3½x3¾	2¾	3
16	13.00	22.30	26.75	4 x4	2½	3½
20	21.90	38.80	43.00	5½x5½	3¾	4¾

SPARE PARTS

	12 inch		16 inch		20 inch	
	Galv. Each	Bronze Each	Galv. Each	Bronze Each	Galv. Each	Bronze Each
Posts with Back Plates	\$1.80	\$3.15	\$3.00	\$4.20	\$5.20	\$7.50
Wood Drums	.90	.90	1.60	1.60	5.00	5.00
Acorn Nuts	.50	.75	.50	1.35	.50	1.90
*Wheel Only	4.00	5.75	5.75	9.25	8.50	12.50

*Does not include handles or bolts.

Standard Package 6*

WITH WHEEL AND FITTINGS
ALL BRONZE
WITHOUT VERTICAL SHAFT

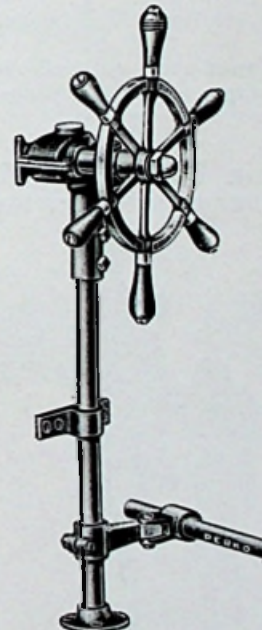


Fig. 820

No.	With Polished Bronze Wheel Each	With Chromium Plated Wheel Each	Diameter Wheel Inches	Weight Pounds
1	\$116.00	\$123.00	16	22
2	123.50	132.50	20	25
3	142.00	152.00	24	29

Wheel used is Fig. 976 sizes 4, 5 or 6.

If preferred with wheel Figs. 657 or 914 add difference in price of wheel only.

Other spare parts see Fig. 865 Part Nos. 1, 5, 6 & 8.

HANDLES and BOLTS FOR STEERING WHEELS



Fig. 553

Length Inches	Each
3	\$.30
3½	.35
4	.45

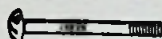


Fig. 554

Size Inches	Each	Size Inches	Each
Galvanized Bolts Only		Bronze Bolts Only	
¾x3½	\$.30	¾x3¼	\$.55
¾x4	.40	¾x4	.65
		¾x4½	.80



Chain Type STEERERS ALL BRONZE—WITH ROLLER CHAIN FOR WHEEL BOX MOUNTING

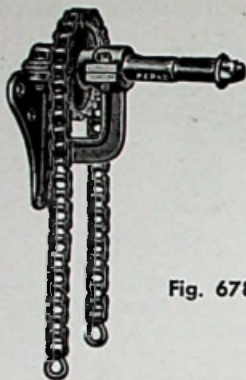


Fig. 678

Sprocket, $4\frac{3}{8}$ inch diameter, 21 teeth.
Chain, 36 inches long, $\frac{3}{8}$ inch pitch.
Shaft machined for hub $2\frac{1}{8}$ inches thick.

Wheel End of Shaft Inches	Each	*Length Shaft Inches	Dimensions of Bracket Inches	Weight Pounds
$\frac{7}{8}$	\$50.00	$2\frac{1}{8}$	$6 \times 5\frac{1}{2}$	11
1	50.00	$2\frac{1}{8}$	$6 \times 5\frac{1}{2}$	$11\frac{1}{2}$

*Length between bracket and wheel.

With chromium plated nut add \$.75 each.

Chain only, without Shackles, per foot	\$5.50
Chain Shackles, each	1.00
Acorn Nuts, each	2.00
Sprocket only, each	6.00

Wheels for above see Figs. 657, 914 and 976, Sizes 4, 5 and 6.

Special machining of shaft, on application.

Supplied with reversed shaft for thru-bulkhead mounting at above prices, please specify.

Chain Type STEERERS WITH INLAID MAHOGANY WHEEL

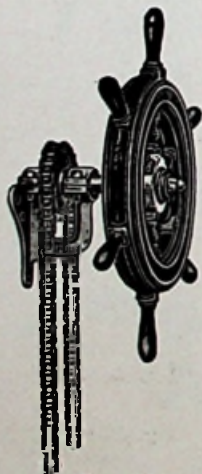


Fig. 676

Diameter Wheel Inches	Polished Bronze Hub Each	Chromium Plated Hub Each	Wheel End of Shaft Inches
20	\$104.00	\$109.50	$\frac{7}{8}$
24	110.50	116.00	1
28	126.00	135.00	1

Supplied for wheel box or thru-bulkhead mounting at same price. Supplied as illustrated unless otherwise specified.

Chain Type STEERERS WITH CAST BRONZE WHEEL POLISHED OR CHROMIUM PLATED

These are our Fig. 678 steerers with Fig. 976 sizes No. 1, 2 or 3 wheels.



Fig. 674
For Wheel Box Mounting



Fig. 675
For Thru-Bulkhead Mounting

Diameter Wheel Inches	Polished Bronze Each	Chromium Plated Each	Machined Wheel End of Shaft Inches	Diam. Shaft Inches
16	\$68.75	\$74.75	$\frac{7}{8}$	1
20	77.00	85.00	$\frac{7}{8}$	1
24	94.00	103.00	1	1

Wheel, shaft and nut only are polished or plated, balance of steerer is plain bronze.

NOTE—Both of the above steerers can be supplied with Fig. 914 wheel. For price, add the difference between Figs. 976 and 914, sizes No. 1, 2 or 3.

STEERING WHEELS CAST BRONZE—WOOD GRIPS $\frac{1}{4}$ INCH KEYWAY

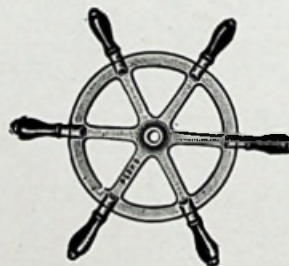


Fig. 976

With Short Hub for Steerers Figs. 674 and 675

No.	Diam. Overall Inches	Polished Bronze Each	Chromium Plated Each	For Shaft Inches	Length Hub Inches	Weight Pounds
1	16	\$18.75	\$24.75	$\frac{7}{8}$	1	4
2	20	27.00	35.00	$\frac{7}{8}$	1	$6\frac{3}{4}$
3	24	44.00	53.00	1	$1\frac{1}{4}$	10 $\frac{1}{2}$

With Long Hub for Steerers Figs. 524 and 678

No.	Diam. Overall Inches	Polished Bronze Each	Chromium Plated Each	For Shaft Inches	Length Hub Inches	Wt. Lbs.
4	16	\$23.00	\$29.00	$\frac{3}{4}$, $\frac{7}{8}$ or 1	$2\frac{1}{8}$	4 $\frac{1}{2}$
5	20	31.50	39.50	$\frac{3}{4}$, $\frac{7}{8}$ or 1	$2\frac{1}{8}$	7 $\frac{3}{4}$
6	24	49.00	58.00	1	$2\frac{1}{8}$	11

Standard Package, 6*



STEERING WHEELS

BRASS—WOOD GRIPS—ROUND SPOKES
1/4 INCH KEYWAY

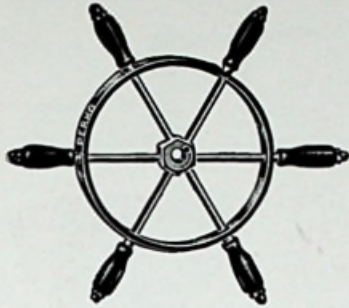


Fig. 914

With Short Hub for Steerers Figs. 674 and 675

No.	Diam. Overall Inches	Polished Brass Each	Chromium Plated Each	For Shaft Inches	Length Hub Inches	Weight Pounds
1	16	\$26.50	\$32.00	7/8	1	4 1/4
2	20	31.00	37.50	3/4	1	5 1/4
3	24	38.00	46.50	1	1 1/4	6 1/2

With Long Hub for Steerers Figs. 524 and 678

No.	Diam. Overall Inches	Polished Brass Each	Chromium Plated Each	For Shaft Inches	Length Hub Inches	Wt. Lbs.
4	16	\$29.50	\$55.75	3/4, 7/8 or 1	2 1/8	4 1/4
5	20	36.50	43.00	3/4, 7/8 or 1	2 1/8	6 1/4
6	24	44.00	52.50	1	2 1/2	7

Standard Package, 6*

Mahogany STEERING WHEELS

WITH PLUGGED OR INLAID RIM
CAST BRONZE HUB—POLISHED

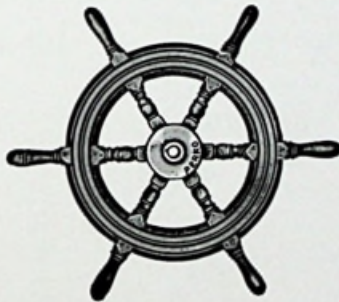


Fig. 657

Diam. Overall Inches	Plugged Each	Inlaid Each	For Shaft Inches	Size Keyway Inches	Thickness of Hub Inches	No. of Spokes
*18	\$43.50	\$49.00	3/8 or 1	1/4	2 1/8	6
*20	46.50	54.00	3/8 or 1	1/4	2 1/8	6
*24	54.25	60.50	1	1/4	2 1/8	6
28	70.75	76.00	1	1/4	2 1/8	6
30	77.50	86.00	1	3/8	2 1/4	8
32	91.00	103.50	1 1/4	3/8	2 1/4	8
36	122.00	136.50	1 1/4	3/8	2 1/2	8
42	141.00	156.00	1 1/4	3/8	2 1/2	8
48	160.00	174.00	1 3/8	3/8	3	8
54	198.00	212.50	1 3/8	3/8	3	8
60	225.50	240.00	1 3/8	3/8	3	10

*These sizes with chromium plated hub carried in stock, add \$5.50 each.

Larger sizes with chromium plated hub made to order only, add \$7.00 each.

NOTE—Shaft sizes above are stock bores, special boring supplied to order, price on application.

Wheel with inlaid hub supplied unless otherwise specified.

"Snugfit" ELECTROLYSIS COLLARS

STREAMLINED ZINC DIE CASTINGS
PRECISION MADE AND BALANCED

*Make 7 collars
52 for 1/2" from
from list, in
file. - see
letter after
3/31/58*

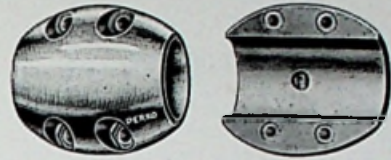


Fig. 252

The SNUGFIT electrolysis collar is the least expensive way of protecting the most expensive parts of any boat against electrolytic action.

It is a precision made collar of pure zinc designed to fit properly on any propeller shaft regardless of shaft R.P.M. The SNUGFIT collar is streamlined, balanced and die-cast to maintain a smooth exterior and strict uniformity.

SNUGFIT collars can be easily and almost instantly installed by anyone. They are doweled, so the two halves will always locate themselves.

SNUGFIT collars not only protect vital underwater fittings such as propellers, struts, shafts, strut bolts, but stop pitting of all underwater fastenings.

Shaft Size Inches	Each	Approx. Weight Pounds
3/4—7/8	\$4.00	3/4
1—1 1/8—1 1/4	5.00	1
1 3/8—1 1/2	6.00	1 1/2
1 3/4—2	8.25	2 1/4
2 1/2—3	12.00	4

Standard Package, 12*

ELECTROLYSIS ELIMINATORS

PURE ZINC

A necessity if the boat is used in salt water. Streamlined for mounting on the deadwood or planking. Arrests electrolysis of under water brass fittings.

CAST TYPE



Fig. 244

No.	Each	Length Inches	Width Inches	Depth Inches	Weight Pounds
1	\$1.00	3 1/2	1 3/4	3/8	1/2
2	1.20	5 1/4	2 1/8	1	1 1/2

DIE CAST TYPE

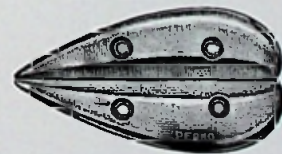
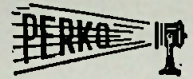


Fig. 253

Precision made, smooth and uniform. So designed that they can easily be divided into two identical parts if smaller sizes are desired.

No.	Each	Dimensions Inches	Weight Pounds
3	\$2.00	5x2 1/4	1 1/2
4	5.00	8x4	4

Standard Package, 12*



Cruiser RUDDERS
CAST MANGANESE BRONZE

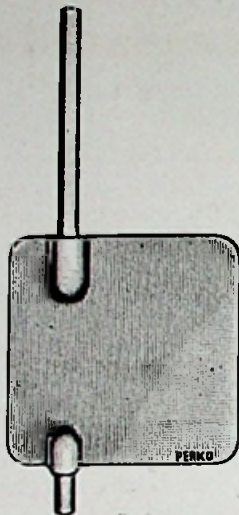


Fig. 816

No.	Blade Size Inches	Each	Blade Thick-ness Inches	Diam. of Stock Inches	Total Length of Stock Inches	Longer Stocks Per Inch	Weight Pounds
1	12x12	\$47.00	1/4	1	12	.50	15
2	13x13	51.00	1/4	1	12	.50	16

Speed Boat RUDDERS
CAST MANGANESE BRONZE

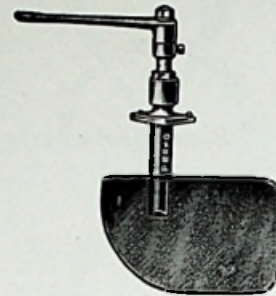


Fig. 813

Furnished complete with tiller, collar, nut, rudder port and machined stock. Standard length stock above blade 12 inches.

No.	Complete Each	Rudder Only Each	Blade Size Inches	Diam. Stock Inches	Length Tiller Inches	Weight Rudder Only Pounds
1	\$65.20	\$33.40	9x14	1	12	12

With stock longer than standard, price on application.

"Rudder Only" supplied without machined stock. With machined stock, price on application.

Hyspeed RUDDERS

CAST MANGANESE BRONZE

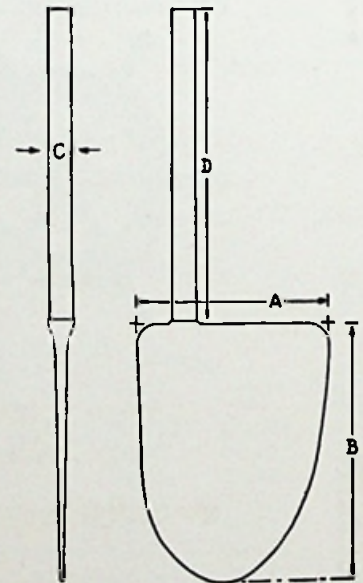


Fig. 818

Constructed in perfectly balanced proportion. Designed for express cruisers, runabouts, speedboats and all boats not carrying a skag.

No.	Each	Dimension Inches				Weight Pounds
		A	B	C	D	
1	\$39.90	9	12	1	16	12
2	48.90	10 1/2	14	1 1/8	18	17
3	54.00	12	16	1 1/4	18	20

With stock longer than standard, price on application.

Galvanized RUDDERS

GALVANIZED FORGED STEEL

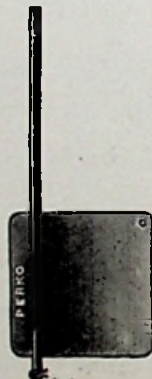


Fig. 647

Size No.	Galv. Each	Size Plato Inches	Square End of Post Inches	Length Rudder Post Inches	Diam. Rudder Post Inches	Weight Pounds
00	\$ 6.85	6x8x1/8	5/8	25	3/4	3
0	13.25	12x12x1/8	5/8	40	3/4	11
1	15.75	14x14x1/8	5/8	42	3/4	13
2	24.25	16x16x3/8	3/4	48	1	25
3	34.00	18x18x3/8	3/4	52	1	35

ink
H
2
3



Quadrant TILLERS

GALVANIZED MALLEABLE IRON



Fig. 651

Radius Inches	Galv. Each	Max. Diam. Rope Inches	Square Hole Adjustable Inches	Weight Pounds
7	\$ 7.35	3/8	3/8 to 3/4	3
10	17.20	3/8	3/8 to 1	5 1/2
12	21.75	3/8	3/4 to 1 1/4	8 1/2
15	42.50	1/2	3/4 to 1 1/4	13
18	59.50	3/4	1 to 1 1/4	27
24	92.00	3/4	1 1/2 to 1 3/4	46

Straight TILLERS

GALVANIZED MALLEABLE IRON OR BRONZE



Fig. 650

With square hole and set screw for Fig. 647 rudder.

Length Inches	Galv. Each	Plain Bronze Each	Size of Square Hole Inches	Weight (Iron) Pounds
8	\$ 3.50	\$ 4.40	5/8 x 5/8	1
10	3.95	5.00	3/4 x 3/4	1 1/4
12	5.95	7.35	3/4 x 3/4	2 1/2
15	7.55	13.40	3/4 x 3/4	3 1/2

Bronze TILLERS

CAST BRONZE



Fig. 810

For round stock rudders Figs. 813, 816, 818.

No.	Each	Length Inches	For Rudder Stock Inches	Size Keyway Inches	Weight Pounds
1	\$ 7.35	8	3/4 or 1	3/8 or 1/4	1 1/2
2	8.70	10	1	1/4	2
3	10.00	12	1	1/4	3 1/4

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

Rudder SKAGS

DROP FORGED STEEL OR BRONZE

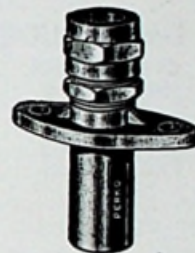


Fig. 649

Size No.	Galv. Each	Plain Bronze Each	Dimensions Inches	For Rudder Post Inches	Weight Pounds
0	\$ 5.25	\$10.25	24x1 1/2 x 3/8	3/4	4 1/2
1	7.35	16.25	30x1 3/4 x 1/2	3/4	9
2	14.25	30.50	42x2 x 3/4	1	17

RUDDER PORTS with Stuffing Box

CAST BRONZE—PLAIN



Mark off

Fig. 1089

Eliminates leakage at rudder post entrance through the hull.

Bronze bearing is full length of casting. Assures smooth action with minimum wear.

Size Inches	Each	Size Flange Inches	Length Bearing Inches	Drilled for Fastening Inches	Weight Pounds
3/4	\$11.50	4 x 2	5 1/2	3/8	3
7/8	12.00	4 1/4 x 2 1/4	5 3/4	3/8	3 1/4
1	12.50	4 1/2 x 2 1/2	5 1/2	3/8	3 1/2
1 1/8	13.75	5 x 2 3/4	5 1/4	1/2	3 3/4
1 1/4	18.25	5 3/4 x 3	6 3/4	1/2	5 1/2
1 3/8	19.25	6 1/4 x 3 1/4	6 3/4	1/2	6 1/2
1 1/2	21.00	6 1/2 x 3 1/2	6 3/4	1/2	6 3/4

Bronze Rudder COLLARS



Fig. 815

For Diam. Stock Inches	Each	Outside Diameter Inches	Thickness Inches	Weight Ounces
3/4	\$2.00	1 1/8	13/16	2 1/4
3/8	2.60	1 1/4	3/8	4
1	2.75	1 3/4	13/16	7
1 1/8	2.75	1 3/4	13/16	6 1/2
1 1/4	3.95	2 1/8	13/16	11
1 3/8	4.90	2 1/2	1 1/8	19
1 1/2	5.20	2 1/2	1 1/8	19

Rudder Brace PINTLES
CAST BRONZE

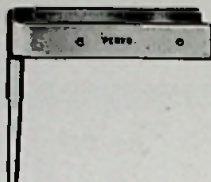


Fig. 1071

Size No.	Burnished Each	Between Straps Inches	Length Straps Inches	Width Straps Inches	Weight Ounces
00	\$.95	3/4	2 1/4	3/4	8
0	1.25	3/4	3 1/2	3/4	9
1	1.60	7/8	4 1/4	3/4	10
2	2.25	1	4 1/2	1	11
3	2.85	1 1/4	4 3/4	1	13
4	4.90	1 1/2	5 1/2	1 1/4	22

Sizes No. 00 to No. 1 inclusive have machined straight shank. Larger sizes have tapered shank.

Rudder Brace GUDGEONS
CAST BRONZE
STRAP TYPE



Fig. 1070

Size No.	Burnished Each	Between Straps Inches	Length Straps Inches	I. D. Hole Minimum Inches	Weight Ounces
00	\$.80	5/8	2	1/2	4
0	1.10	3/4	2 1/2	1/2	5
1	1.50	3/4	3	1/2	6 1/2
2	2.15	1	3	3/4	7
3	2.30	1 1/4	3 1/4	3/4	8
4	3.75	1 1/2	3 3/4	3/4	15

NARROW PLATE TYPE



Fig. 1072

Mark off

Size No.	Burnished Each	Length Plate Inches	Width Plate Inches	I. D. Hole Minimum Inches	Weight Ounces
00	\$.80	2	1	1/2	2 1/2
0	.90	2	1	1/2	2 1/2
1	1.05	2 1/4	1 1/8	1/2	4

WIDE PLATE TYPE



Fig. 1073

Size No.	Burnished Each	Length Plate Inches	Width Plate Inches	I. D. Hole Minimum Inches	Weight Ounces
00	\$.85	3 1/2	3/4	1/2	3
0	.90	3 1/2	3/4	1/2	3
1	1.10	3 3/4	3/4	1/2	4
2	1.50	4 1/4	1	3/8	6
3	1.80	4 3/4	1 1/4	3/8	8
4	1.90	4 3/4	1 1/4	1/2	9

Standard Package, All Above Rudder Fittings, 12*

Reverse Gear CONTROLS
CAST BRONZE



Fig. 720

A good substantial handle which will not bend under side leverage, special hard government bronze. Handle is removable and a flush plate is furnished to fit opening in deck flange.

Furnished with two sockets threaded for 3/4 inch rod. Deck flange is 5x2 1/4 inches. Length of throw is 8 1/2 inches.

Polished Bronze Each	Chromium Plated Each	Length Handle Inches	Length Lever Inches	Weight Pounds
\$39.00	\$51.50	25	8	11 1/2

Reverse Gear CONTROLS
CAST BRONZE



Fig. 278

An ideal control for light installations, such as run-abouts, small cruisers, etc. Clevis supplied for 1/2 inch pipe.

Polished Bronze Per Set	Chromium Plated Per Set	Length Overall Inches	Length Handle Inches	Size Base Inches	Weight Pounds
\$17.00	\$21.50	20	16	4 3/4 x 2 1/2	3 1/2

Standard Package, 6**

Spare clevises, see Fig. 865 Part No. 2.



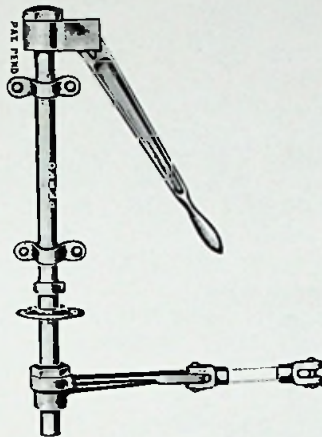
Reverse Gear CONTROLS

HEAVY CAST BRONZE—POLISHED
FOR 1 INCH OR 1 1/8 INCH SHAFT

NO MACHINING OF SHAFT—NO EXTRA EXPENSE

The main feature of "Perko" controls is that it is unnecessary to have shaft machined, such as threading, key seating or drilling.

A mechanically perfect wedging device is incorporated in both upper and lower lever. When installing it is only necessary to insert tapered bushing "B" around shaft and tighten nut "A" and an absolutely fast grip on the shaft is obtained, at no extra expense for machining, and very little labor.



Interior view of tapered fastening device.

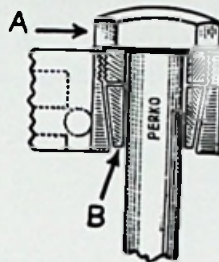


Fig. 663

Length Handles Inches	Length Lower Lever Inches	Sockets Threaded for Rod Inches	Bulkhead to Center of Shaft Inches	Weight Without Shaft Pounds
18	10	3/4	2	15 1/4

Fittings complete—except shaft \$49.75
Handle complete with tapered bushing and nut . . . 24.75
Lever complete with tapered bushing and nut 20.00
Chromium plated, add 25% to above prices.

Do not fail to specify size of shaft when ordering; parts for 1 1/8 inch shaft supplied unless otherwise specified.

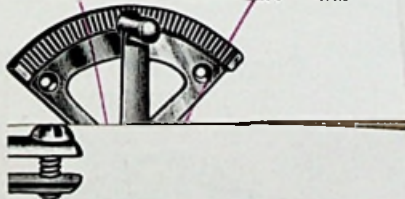
Clutch Control HANDLES

CAST BRONZE—FOR 1 INCH SHAFT

Supplied for 3/8 inch rod unless otherwise specified.

Throttle CONTROLS

RATCHET TYPE—CAST BRONZE
FOR CONTROL ROD OR BOWDEN WIRE



18

For bulkhead up to 2 inches thick.
Length of throw, 3 inches.
Rod socket is for 1/4, 3/8 or 1/2 inch rod.
Supplied for 1/4 inch rod unless otherwise specified.

Polished Bronze Each	Chromium Plated Each	Size Frame Inches	Weight Pounds
\$7.00	\$8.50	4 1/4 x 3 1/8	3/4

Standard Package,

Reverse Gear CONTROLS

HEAVY CAST BRONZE—POLISHED
FOR 1 INCH OR 1 1/8 INCH SHAFT

Same tapered bushing device as Fig. 663 in upper and lower levers, no machining of shaft necessary.

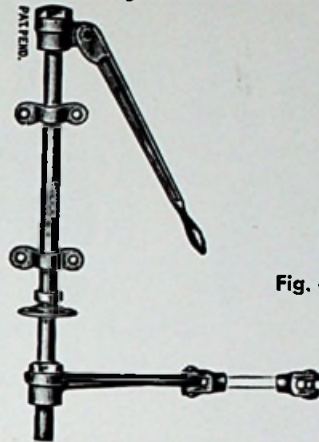


Fig. 664

Length Handle Inches	Length Lower Lever Inches	Sockets Threaded For Rod Inches	Bulkhead to Center of Shaft Inches	Weight Without Shaft Pounds
18	10	3/4	2	13 1/4

Fittings complete—except shaft \$39.75
Handle complete with tapered bushing and nut . . . 20.50
Lever complete with tapered bushing and nut . . . 20.00
Chromium plated, add 25% to above price.

Specify size of shaft when ordering; parts for 1 inch shaft supplied unless otherwise specified.

Clutch CONTROLS

CAST BRONZE—FOR 1 INCH SHAFT

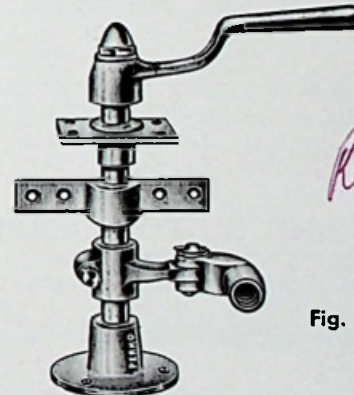


Fig. 822

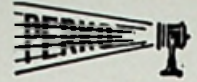
Supplied with bulkhead bracket or shelf plate (please specify). Shaft is not included.

With 8" Handle	With 10" Handle	With 12" Handle
Polished Chromium Plated Per Set	Polished Chromium Plated Per Set	Polished Chromium Plated Per Set
\$32.00	\$40.00	\$35.00
Polished Bronze Per Set	Polished Chromium Plated Per Set	Polished Chromium Plated Per Set
\$33.50	\$41.50	\$43.50

SPARE PARTS

Burnished Bronze Each	Polished Bronze Each	Chromium Plated Each
\$2.35	\$2.90	
Acorn Nut		
Shelf Plate, Fig. 865 No. 9	5.75	7.50
Bulkhead Bracket, Fig. 865 No. 6	6.00	8.00
Lever, Fig. 865 No. 3	\$7.75	
Clevis, Fig. 865 No. 4	6.90	
Lower Bearing, Fig. 865 No. 11	4.40	

NOTE—Spare parts for Figs. 663 and 664, see Fig. 865, Nos. 2, 7, 10 and 12.



"Perkomatic" CONTROLS
FOR THROTTLE AND CLUTCH
CAST BRONZE—CHROMIUM PLATED
HEAVY DUTY

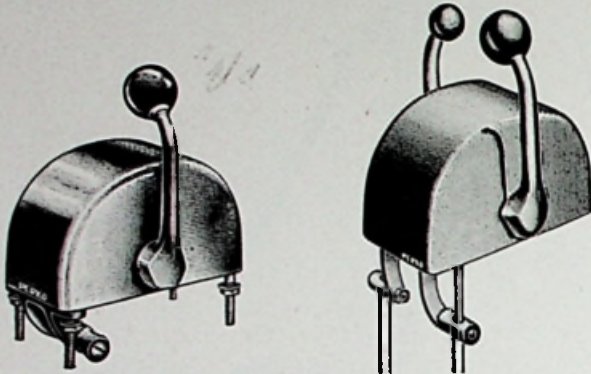


Fig. 698 No. 1
Single

Fig. 698 No. 2
Double

- No. 1 — C—For single clutch
- No. 1 — T—For single throttle
- No. 2 — CT—For clutch and throttle
- No. 2 — C—For double clutch
- No. 2 — T—For double throttle

Designed for easy operation and positive control of inboard engine throttles and hydraulic clutches.

The control with large knob for clutch, with small knob for throttle. The tension on both handles is adjustable to suit individual needs.

For push or pull operation and for use with the high quality modern control cable illustrated below.

The price does not include control cable.

No.	Each	Length Housing Inches	Width Housing Inches	Height Overall Inches	Weight Pounds
1	\$27.75	5 1/4	3 1/4	6	4 1/4
2	39.50	5 1/4	3 1/4	6	5

Standard Package, 6**

Flexible CONTROL CABLES
BRASS ROD—1/4-28 THREAD
BRASS TUBES—NEOPRENE COVERING



Fig. 699

For push-pull operation, these cables are solid as a rod but flexible as a wire rope.

1/13/53 Diameter rod, 1/4 inch; Outside diameter tubes, 5/8 inch.

Length Feet	Each	Length Feet	Each
F. OR — 8	\$14.50	T. PN -14	\$21.25
F. IC — 10	16.25	A. RI -16	23.50
I. NB — 12	18.25	R. BT -18	25.00
		PN CA -20	34.00

Standard Package, 6**

Shorter or longer lengths supplied to order. Price on application.

Throttle CONTROLS
RATCHET TYPE—CAST BRONZE
FOR BOWDEN WIRE



Fig. 715

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

Burnished Bronze Each	Polished Bronze Each	Chromium Plated Each	Length Plate Inches	Width Plate Inches	Weight Pounds
\$11.80	\$15.00	\$17.00	6	2 3/8	2

Standard Package, 6**

FOR CONTROL ROD



Fig. 716

Knob is black bakelite.
Length of throw, 3 inches.
Rod socket is for 1/4, 5/16 or 3/8 inch rod.

Burnished Bronze Each	Polished Bronze Each	Chromium Plated Each	Length Plate Inches	Width Plate Inches	Weight Pounds
\$11.80	\$15.00	\$17.00	6	2 3/8	2



Fig. 278

An ideal control for light installations, such as run-abouts, small cruisers, etc. Clevis supplied for 1/2 inch pipe.

Polished Bronze For Set	Chromium Plated Per Set	Length Overall Inches	Length Handle Inches	Size Base Inches	Weight Pounds
\$17.00	\$21.50	20	16	4 3/4 x 2 1/2	3 1/2

Standard Package, 6**

Spare clevises, see Fig. 865 Part No. 2.



"Sea-Way" Throttle CONTROLS
RATCHET TYPE—FOR 3/8 INCH ROD
CAST BRONZE



Fig. 847

A powerful control with a man sized handle. For mounting on top of wheel box or shelf.
A spring type ratchet inside handle hub holds control at desired position.

Polished Bronze Each	Chromium Plated Each	Length Handle Inches	For Diam. Rod Inches	Diam. Flange Inches	Weight Pounds
\$10.00	\$11.50	4 1/2	3/8	2 5/8	1

"Sea-Prince" Throttle CONTROLS
RATCHET TYPE—FOR CONTROL ROD
CAST BRONZE

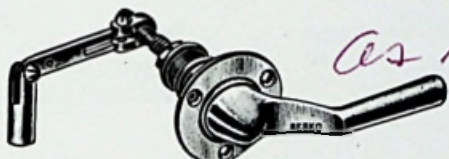


Fig. 848

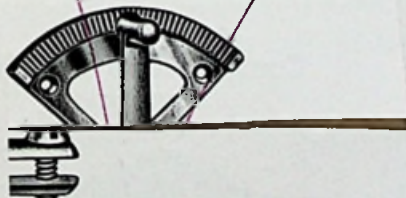
Same design and ability as the Sea-Way Control above but fitted with lever arm and socket for mounting on side of wheel box or bulkhead.

Length of throw is 5 inches.
Rod socket is for 1/4, 3/8 or 1/2 inch rod.

Polished Bronze Each	Chromium Plated Each	Length Handle Inches	Length Lever Arm Inches	Diam. Flange Inches	Weight Pounds
\$11.00	\$12.50	4 1/2	3 1/2	2 3/8	1

Supplied for 3/8 inch rod unless otherwise specified.

Throttle CONTROLS
RATCHET TYPE—CAST BRONZE
FOR CONTROL ROD OR BOWDEN WIRE



8

For bulkhead up to 2 inches thick.
Length of throw, 3 inches.
Rod socket is for 1/4, 3/8 or 1/2 inch rod.
Supplied for 1/4 inch rod unless otherwise specified.

Polished Bronze Each	Chromium Plated Each	Size Frame Inches	Weight Pounds
\$7.00	\$8.50	4 1/4 x 3 1/8	5/8

Spark and Throttle CONTROLS
RATCHET TYPE—FOR CONTROL WIRE
CAST BRONZE

Length of throw is 3 inches.

Extreme Length Arc Inches	Projection Inches	Mounting Plate Inches	Weight Pounds
2 1/2	5	1 1/8 x 1 3/8	3/4

	Chromium Plated Each	Polished Bronze Each
Single	\$7.60	\$10.00
Double	10.50	13.25

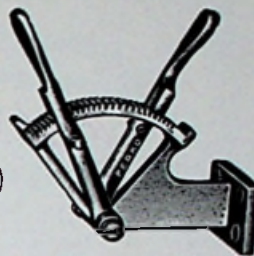


Fig. 409

Spark and Throttle CONTROLS
RATCHET TYPE—CAST BRONZE
FOR CONTROL ROD OR BOWDEN WIRE

Size Frame Inches	Weight Pounds
6x3	1 3/4

Polished Bronze Each	Chromium Plated Each
\$10.50	\$13.50

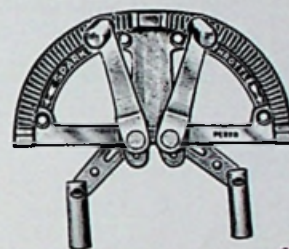


Fig. 691—For Rod
Fig. 691-A—For Wire

For bulkhead up to 2 inches thick.
Length of throw, 3 inches.
Rod sockets are for 1/4, 3/8 or 1/2 inch rod.
Supplied for 1/4 inch rod unless otherwise specified.

Spark and Throttle CONTROLS
RATCHET TYPE—FOR CONTROL ROD
CAST BRONZE—ADJUSTABLE

Dimensions of Base Inches	Dimensions of Frame Inches	Weight Ounces
2 x 7/8	4 1/2 x 3 3/4	10

	Polished Bronze Each	Chromium Plated Each
Single	\$5.25	\$7.25
Double	6.75	9.75



Fig. 904

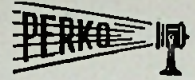
Control LEVERS
PLAIN BRASS



Fig. 354

No.	Each	Length Overall Inches	For Shaft Inches	For Clevis Pin Inches	Weight Ounces
1	\$1.00	2 3/8	3/8	5/2	1 1/4
2	1.50	3 3/4	3/8	5/2	1 1/2

Size No. 1 is used on controls Figs. 690, 690-A, 691, and 691-A. Size No. 2 is used on control Fig. 848.



Dashboard Choke CONTROLS

BRASS CHROMIUM PLATED HANDLE
WITH BRASS CASING AND WIRE

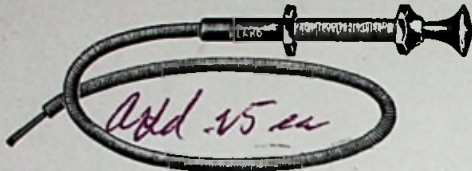


Fig. 371

5 Ft. Lengths Per Set	7 Ft. Lengths Per Set	10 Ft. Lengths Per Set	15 Ft. Lengths Per Set
\$5.00	\$5.80	\$7.10	\$9.00

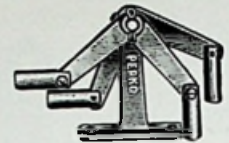
Standard Package, 6*

Control CRANKS

BURNISHED CAST BRONZE—FOR CONTROL ROD



Side Type
Fig. 636



Upright Type
Fig. 637

Length Arms Inches	Height Overall Inches	Size Base Inches	Weight Single Ounces	Weight Double Ounces
2	2 3/8	2 1/4 x 3/8	5	7
For Rod Inches	Single Complete Each	Double Complete Each	Cranks Only Each	Brackets Only Each
1/4	\$2.35	\$3.60	\$.60	\$.85
3/8	2.35	3.60	.60	.85
1/2	2.50	3.90	.60	.85

Standard Package, 6*

Supplied for 1/4 inch rod unless otherwise specified.

Bowden WIRE AND CASING

BRASS
1/4 INCH O.D. CASING—LEFT HAND LAY
WIRE DIAMETER .072 INCHES



Fig. 353

Stock Lengths in Feet	Complete	Casing Only	Wire Only
5	\$2.25	\$1.95	\$.30
7	3.05	2.65	.45
10	4.30	3.75	.55
15	6.15	5.50	.65
25	9.75	8.60	1.15
50	17.85	15.75	2.10

Handwritten notes: 9/12, 94.70 Mft, 100.5 Mft

Standard Package, 10 Lengths*

Improved CONTROL WIRE HANDLES

FOR CASING WITH RIGHT OR LEFT HAND LAY
ALL BRASS—CHROMIUM PLATED



Fig. 692

Control wire and casing can be easily attached. No soldering necessary, wire held by set screw in knob. Casing threaded into tube. For use on a dash or bulkhead up to 2 inches thick.

Each	Length Overall Closed Inches	Outside Diam. Stem Inches	Weight Ounces
\$2.50	4 1/2	3/8	

Handwritten notes: M.M. 93, P.P.R., New cut, OR, 4 7/8

Standard Package 6

Left hand thread supplied unless otherwise specified.

Bowden Casing CLAMP

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	Standard Package	Weight Ounces
\$.85	2 1/4 x 1	25	3

Handwritten note: As is

Fig. 352

Brass BALL JOINTS

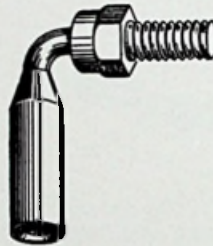


Fig. 792

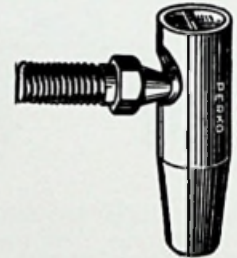


Fig. 793

Fig. 793 is adjustable for wear. Spring tension around ball with screw for adjusting.

No.	Fig. 792 Each	Fig. 793 Each	Thread Inches	Length Thread Inches	O. D. Female End Inches	Weight Ounces
1	\$.50	\$.70	1/4-20	1/2	3/16	1/2
2	.60	.80	3/8-18	1/2	3/16	1
3	.60	.80	1/4-28	1/2	3/16	1/2

Standard Package 50*

Control Wire SOCKETS

PLAIN BRASS

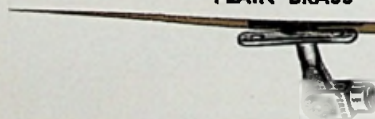


Fig. 278

An ideal control for light installation. Complete with brass cotter pin and brass set screws.

Each	Length Inches	Diameter Inches	Between Jaws Inches	Length Jaws Inches	Weight Ounces
\$.45	1	3/8	1/8	1/2	1/2

Standard Package, 24

Length jaws measured to center of screw.

Handwritten notes: #2 size, same as 295 #6

Handwritten note: #2



STEERER AND CONTROL PARTS
CAST BRONZE



1. Lever



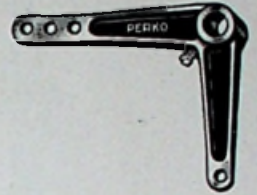
6. Bulkhead Bracket



9. Shelf Plate



12. Collar



13. Angle Lever



2. Clevis



4. Elbow Clevis



7. Bulkhead Bracket



10. Deck Plate



3. Lever



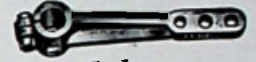
5. Angle Clevis



8. Lower Bearing



11. Lower Bearing



14-15. Lever

Fig. 865

No.	Item	Burnished Bronze Each	Polished Bronze Each	Chromium Plated Each	Length Overall Inches	Length C. to C. Inches	For Diam. Shaft Inches	For Diam. Pin Inches	Diam. Bolt Inches	Tapped For Rod Inches	Tapped For Pipe Inches	Width Jaw Inches	Width Base Inches	Diam. Flange Inches	Weight Pounds
1	Lever	\$8.90			8	6	1	1/2							1 3/4
2	Clevis	3.15			2 1/2				1/2	3/4		1/2			1/2
2-A	Clevis	3.15			2 1/2				1/2		1/2	1/2			1/2
2-B	Clevis	4.00			4 1/4				1/2		3/4	1/2			1
2-C	Clevis	4.00			4 1/4				1/2	1		1/2			1
3	Lever	7.75			4 1/2	2 3/4	1	1/2	3/4						1
4	Clevis	6.90			3 1/2				1/2		3/4	1/2			1
4-A	Clevis	6.90			3 1/2				1/2	1		1/2			1
5	Clevis	4.75			3				1/2		3/4	1/2			3/4
5-A	Clevis	4.75			3				1/2	1		1/2			3/4
6	Bracket		\$6.00	\$8.00	6 3/8		1						1		3/4
7	Bracket		6.00	8.00	4 1/4		1						1		3/4
7-A	Bracket		6.00	8.00	4 1/4		1 1/8						1		3/4
8	Bearing	4.30					1							3 1/2	3/4
9	Shelf Plate		5.75	7.50	3 3/8		1						3 1/4		1 1/4
10	Deck Plate		4.60	5.75			1							4	1/2
10-A	Deck Plate		4.60	5.75			1 1/8							4	1/2
11	Bearing	4.40					1							3 3/4	1
12	Collar		2.55	3.40			1								1/4
12-A	Collar		2.55	3.40			1 1/8								1/4
13	Lever	10.90				*6-7-8	1	1/2							2
14	Lever	8.00				**5-6	3/4	1/2	3/8						1
15	Lever	9.20				5-6-7	1	1/2	3/8						1 1/2

Depth of Bearing—No. 8, 5/8 inches—No. 9, 1 inch—No. 11, 1 1/4 inches.

*This applies to long arm. Length short arm center to center, 6 inches.

**No. 14 has two pin holes instead of three illustrated.

CONTROL ROD SOCKETS
PLAIN BRASS

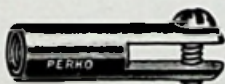


Fig. 328



Fig. 298

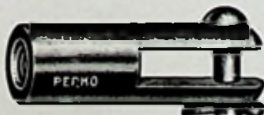


Fig. 295

Standard Fig. 328						
No.	Each	Tapped For Rod Inches	Outside Diam. Inches	Length Overall Inches	Between Jaws Inches	Length Jaws Inches
1	\$.45	1/4-20	3/8	1 3/8	3/8	3/8
2	.45	5/16-18	3/8	1 5/8	3/8	3/8
3	.50	3/8-16	1/2	1 3/4	1/4	3/4
Heavy Duty Fig. 295						
4	\$.55	1/4-20	1/2	1 3/8	1/4	3/4
4-A	.60	1/4-28	1/2	1 3/4	1/4	3/4
5	.65	5/16-18	1/2	1 3/4	1/4	3/4
6	.65	3/8-16	1/2	1 3/8	1/4	1 1/4
Heavy Duty Fig. 298						
7	\$.65	1/4-20	3/8	1 3/8	1/4	3/8
8	.65	5/16-18	3/8	1 3/8	1/4	3/8

Length jaws measured to center of pin
Standard Package 24*



STUFFING BOXES
CAST BRONZE—REGULAR

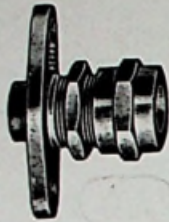


Fig. 320

Shaft Size Inches	Each	Size Flange Inches	For Diam. Bolt Inches	C. to C. Bolt Holes Inches	Length Bearing Inches	Weight Pounds
5/8	\$5.75	3 3/8 x 1 3/4	5/8	2 5/8	2 1/8	1 1/8
3/4	6.00	4 x 1 3/4	3/4	2 3/4	2 1/4	1 1/4
7/8	6.25	4 1/8 x 1 3/4	7/8	3	2 3/8	1 1/2
1	7.50	4 1/4 x 2 1/8	7/8	3	2 3/4	1 3/4
1 1/8	8.50	4 7/8 x 2 1/8	1 1/2	3 3/8	2 3/8	2 1/4
1 1/4	9.75	5 3/4 x 2 3/8	1 1/2	4 3/8	2 3/4	3
1 3/8	11.50	6 1/4 x 3	1 1/2	4 3/4	3	3 3/4
1 1/2	13.00	6 1/2 x 3	1 1/2	5	3	3 1/2
1 3/4	19.00	7 x 3 3/4	5/8	5 1/2	4	5 3/4

Self Aligning STUFFING BOXES
CAST BRONZE—RECTANGULAR FLANGE

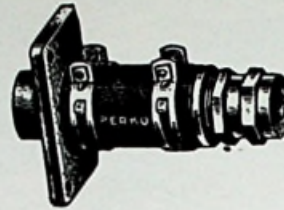


Fig. 734

No.	Each	For Shaft Inches	Size Flange Inches	Length from Flange to End of Box Inches	Weight Pounds
1	\$13.25	3/4	5 x 3 1/4	6 1/2	5
2	14.50	7/8	5 x 3 1/4	6 1/2	5
3	15.00	1	5 x 3 1/4	6 3/4	5
4	18.50	1 1/8	6 x 4 1/4	7 3/4	9
5	19.50	1 1/4	6 x 4 1/4	7 3/4	9 1/2
6	28.75	1 3/8	7 x 4 1/2	8	12 1/2
7	30.00	1 1/2	7 x 4 1/2	8 1/4	13

Extra Heavy STUFFING BOXES
RECTANGULAR FLANGE—CAST BRONZE

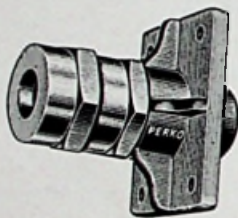


Fig. 819

Shaft Size Inches	Each	Size Flange Inches	For Diam. Bolt Inches	C. to C. Bolt Holes Inches	Length Bearing Inches	Weight Pounds
1	\$15.50	5 x 3	1/2	3 3/4 x 1 3/4	4	5 1/2
1 1/4	16.75	5 1/2 x 3 3/8	1/2	4 1/4 x 2 1/4	4 1/4	6 1/2
1 1/2	21.50	5 5/8 x 3 5/8	1/2	4 3/8 x 2 1/4	4 1/4	6 1/2
1 3/4	26.00	6 x 4	1/2	4 3/4 x 2 1/2	5	9
1 7/8	30.00	6 x 4 3/8	1/2	4 1/2 x 3	5 1/2	10
1 3/4	39.00	6 1/2 x 4 1/2	3/4	5 1/8 x 3 1/4	7	13 1/2
2	48.00	7 3/4 x 5	3/4	5 3/8 x 3 3/4	7 3/8	15 1/2

Flax Packed STUFFING BOXES and STERN BEARINGS
WITH RECTANGULAR FLANGE

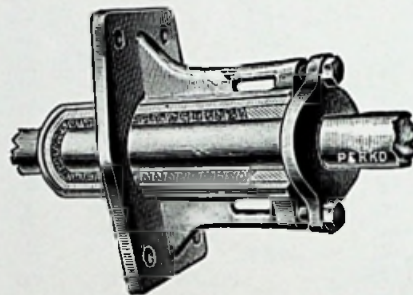


Fig. 811

Shaft Size Inches	Each	Size Flange Inches	Length Bearing Inches
1	\$19.70	5 1/4 x 3	5 1/4
1 1/8	21.65	6 x 3	5 1/2
1 1/4	29.00	6 3/4 x 3 1/2	5 3/4
1 3/8	31.00	7 x 3 3/8	5 3/4
1 1/2	40.00	7 1/2 x 4 1/4	6 1/2
1 3/4	53.00	8 1/2 x 4 3/4	6 1/2
2	67.25	9 1/2 x 5 1/4	8 1/2

PACKING NUTS and LOCKNUTS
FOR STUFFING BOXES—CAST BRONZE
BURNISHED



Fig. 73



Fig. 79

Shaft Size Inches	For Fig. 320		For Fig. 819	
	Fig. 73 Each	Fig. 79 Each	Fig. 73 Each	Fig. 79 Each
5/8	\$1.80	\$.70		
3/4	1.85	.75		
7/8	2.00	.80		
1	2.10	.90	\$4.25	\$1.80
1 1/8	2.15	1.00	4.60	1.85
1 1/4	2.45	1.10	4.85	2.00
1 3/8	2.90	1.30	5.50	2.15
1 1/2	3.85	1.50	6.00	2.15
1 3/4	4.65	2.00	7.25	2.75
2			7.85	3.00

Bronze UNIVERSAL JOINTS
CAST BRONZE—BURNISHED



Fig. 93

No.	Bored Each	Tapped Each	Bored for Rod Inches	Tapped for Pipe Inches	Extreme Length Inches	Weight Pounds
1	\$9.50	\$10.00	3/4	1/2	4 1/2	1
2	13.25	14.00	1	3/4	6	2 1/4

Specify if for rod or pipe.

Standard Package, Entire Page, up to 1" size inclusive, 12**. Larger sizes 6**.

NOTE—LENGTH BEARING SHOWN DOES NOT INCLUDE PACKING NUT OR SPACE FOR PACKING.



Gy-A-Liner ENGINE ALIGNERS

U. S. PATENT NOS. 2123484—2170690—2164615

A simple way to accurate engine alignment. "Gy-A-Liner" consists of leveling wedges made of cast iron. Designed for self adjustment with a few turns on the take-up bolts that anyone can do with accuracy.

Baked Enamel Finish—All Bolts Galvanized.



Fig. 1097

For use under motors having only single corner bed bolts. Can be used under intermediate propeller shaft bearings.

Each	Size Base Inches	Minimum Height Inches	Maximum Height Inches	For Engine Bolt Inches	Weight Pounds
\$2.65	2½x2½	¾	1¾	½	¾

Standard Package, 25

Flat BEARINGS

GRAY IRON—BABBITTED



Fig. 789

For Shaft Size Inches	Each	Dimensions of Base Inches	C. to C. Bolt Holes Inches	Diam. Bolt Holes Inches	Weight Pounds
¾	\$5.20	4 x 1¼	3¾	¼	1
¾	5.20	4¼ x 1¾	3½	¾	1½
¾	5.55	4¼ x 4¼	3¾	¾	1½
1	5.55	4¾ x 1½	3¾	¾	1½
1¼	6.50	5¼ x 1¾	4¼	¾	2½
1¼	6.50	5½ x 1¾	4¼	¾	2½
1¾	8.20	5¾ x 1¾	4¾	¾	3½
1½	8.20	6¼ x 2	4¾	¾	4¼
1¾	10.00	6¾ x 2¼	5¾	½	6
2	12.70	7½ x 2½	5¾	½	7¼

CAST BRONZE—NOT BABBITTED

Fig. 809

For Shaft Size Inches	Each	Dimensions of Base Inches	C. to C. Bolt Holes Inches	Diam. Bolt Holes Inches	Weight Pounds
¾	\$6.00	4½ x 2	3¾	¾	1½
¾	6.00	4½ x 2	3¾	¾	1½
1	6.00	4½ x 2	3¾	¾	1½

Iron Shaft COUPLINGS

CAST IRON

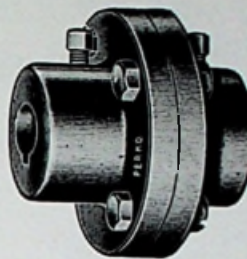


Fig. 327

No.	Each	For Diameter Shaft Inches	Diam. Flange Inches	Length Overall Inches	Wt. Lbs.
0	\$6.95	¾, ¾	3	2¾	2½
1	8.70	¾, ¾, ¾, 1, 1½	4	3½	5½
2	11.00	¾, ¾, 1, 1½, 1¾, 1¾	4½	4½	8

For divided sizes such as 1x1½, add \$1.80 each.

For ½ coupling add \$.120 to half of above prices. No bolts furnished.

SIZE OF KEYWAY IN SHAFT COUPLINGS

Size Shaft Inches	Keyway Inches
¾-¾	¾
¾-1-1½	½
1¼	¾
1¾-1½	¾

Bronze Shaft COUPLINGS

CAST BRONZE—BURNISHED

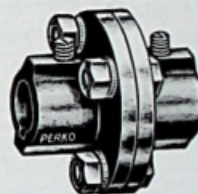


Fig. 389

Set screws, bolts and washers are all bronze.

Each	For Diameter Shaft Inches	Diam. Flange Inches	Length Overall Inches	Weight Pounds
\$9.50	¾, ¾, 1	2¾	2¾	1½

For divided sizes such as ¾ inch one end, 1 inch the other end, add \$.50 each.

¾ inch size has ¾ inch keyway.

¾ and 1 inch sizes have ¼ inch keyway.

Sleeve Type Shaft COUPLINGS

CAST BRONZE

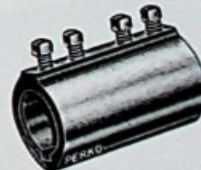


Fig. 378

No.	Each	For Diam. Shaft Inches	Length Inches	Keyway Inches	Weight Pounds
1	\$5.50	¾	3	¾	¾
2	5.50	¾	3	¼	¾
3	5.50	1	3	¼	¾



Midget Self Aligning SHAFT LOGS

CAST BRONZE—FOR SMALL INBOARD ENGINES



Fig. 695

Stuffing box and base are connected by heavy rubber hose to take up vibration and whip.
Base drilled for No. 10 screw.

No.	Each	Size Shaft Inches	Size Base Inches	Length Overall Inches	Degrees of Angle	Weight Pounds
0	\$11.50	3/8	9 3/4 x 2 1/2	15	12	3 3/4
1	11.50	3/8	9 3/8 x 2 1/2	15	12	3 3/4

This unit uses stuffing box Fig. 672 size 0 machined for either 3/8 or 3/4 inch shaft.

Self Aligning SHAFT LOGS

CAST BRONZE
ALLOWS INSTALLATION OF ENGINE WELL AFT

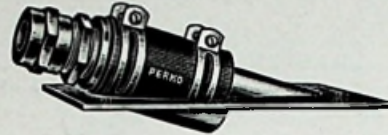


Fig. 589

Stuffing box and shaft are cushioned in rubber, reducing vibration in the hull to a minimum and eliminating excessive wear on shaft and bearing.

Base is drilled for bolts or screws.

No.	Each	For Size Shaft Inches	Size Base Inches	Length Overall Inches	Degrees of Angle	Wt. Lbs.
0	\$11.80	3/8 or 3/4	9x4	10	13	3 1/2
1	14.70	3/4	11x5	12 1/4	13	6
2	14.70	3/4	11x5	12 1/4	13	6
3	14.70	1	11x5	12 1/4	13	6

Adjustable SHAFT LOGS

CAST BRONZE

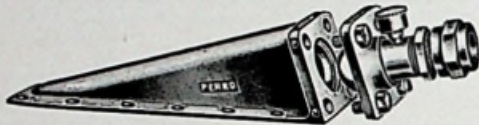


Fig. 577

Cast bronze ball and socket arrangement gives ample adjustment in all directions.

Range of adjustment between 12 and 25 degrees.

Flange bolts are locked with set screws.

Furnished complete with grease cup.

No.	Each	Size Shaft Inches	Length Overall Inches	Length Base Inches	Width Base Inches	Wt. Lbs.
1	\$35.50	3/4	17 3/4	14	3 3/4	11
2	35.50	3/8	17 3/4	14	3 3/8	11
3	35.50	1	17 3/4	14	3 3/4	11
4	54.50	1 1/8	25	20	4 1/2	21
5	54.50	1 1/4	25	20	4 1/2	21
6	84.00	1 3/8	28 1/2	23	5 1/2	28
7	84.00	1 1/2	28 1/2	23	5 1/4	28

Self Aligning SHAFT LOGS

CAST BRONZE



Fig. 671

Stuffing box and base are connected by heavy rubber hose to take up vibration and whip.

8/22/58 WMC

No.	Each	Size Shaft Inches	Size Base Inches	Length Overall Inches	Degrees of Angle	Wt. Lbs.
*1	\$15.80	3/4	12x3 1/2	18	13	6
*2	16.25	3/8	12x3 1/2	18	13	6
*3	17.55	1	12x3 1/2	18	13	6
4	27.10	1 1/8	17x4 1/4	23 1/2	10	12
5	33.50	1 1/4	17x4 1/4	23 1/2	10	12
6	46.75	1 3/8	19x5	28	10	20
7	47.10	1 1/2	19x5	28	10	20

T.A.A.

*Drilled for bolts or screws, balance of sizes not drilled.

Adjustable SHAFT LOGS

CAST BRONZE—EXTRA HEAVY



Fig. 627

Furnished complete with grease cup.

No.	Each	Size Shaft Inches	Length Base Inches	Width Base Inches	Weight Pounds
8	\$130.00	1 3/4	28	5 1/2	57
9	130.00	2	28	5 1/2	57

STUFFING BOX AND EXTRA RUBBER HOSE FOR SELF ALIGNING SHAFT LOG AND STUFFING BOX



For Log No.	Size Shaft Inches	Stuffing Box Each	Hose Each	Hose Clamps Per Pair	I. D. Hose Inches	O. D. Hose Inches	Length Hose Inches
0	3/8-3/4	\$4.65	\$.90	\$.90	1 1/4	1 3/4	3 1/2
1	3/4	5.30	1.30	1.20	1 3/4	2 1/4	4
2	3/8	5.60	1.30	1.20	1 3/4	2 1/4	4
3	1	7.25	1.30	1.20	1 3/4	2 1/4	4
4	1 1/8	8.15	2.20	1.90	2 3/8	3 3/8	5
5	1 1/4	9.50	2.20	1.90	2 3/8	3 3/8	5
6	1 3/8	12.15	3.50	2.40	2 3/8	3 3/8	5
7	1 1/2	12.50	3.50	2.40	2 3/8	3 3/8	5



Adjustable STRUTS
WITH MARINE BABBITT BEARING
ALL CAST BRONZE

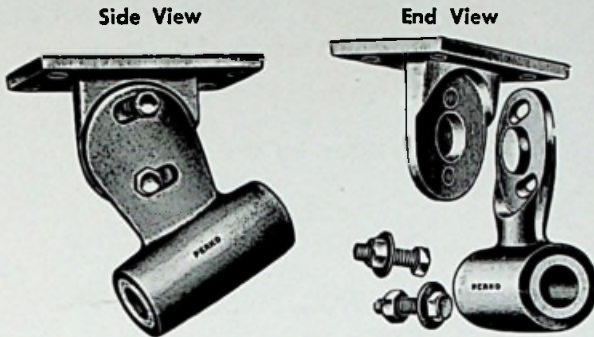


Fig. 628

Adjustable to any practical angle of the propeller shaft, held fast at necessary angle by two heavy bronze bolts. Bearing is of a special marine babbitt, the highest grade obtainable. Length of drop is figured from bottom of keel to center of shaft.

Size Shaft Inches	Width Flange Inches	Length Flange Inches	Length Bearing Inches	Weight Pounds
3/4	3	5 1/2	4 1/8	6 1/2
7/8	3	5 1/2	4 1/8	6 1/2
1	3	5 1/2	4 1/8	6 1/2
1 1/8	3	5 1/2	4 1/8	6 1/2
1 1/4	3 1/2	6 1/2	4 1/2	12 1/2
1 3/8	3 1/2	6 1/2	4 1/2	12 1/2
1 1/2	3 1/2	6 1/2	4 1/2	12 1/2

Lgth. Drop In.	Size Shaft Inches						
	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2
5	\$27.75	\$27.75	\$27.75	\$27.75			
6	\$28.60	28.60	28.60	28.60	\$42.00	\$42.00	\$42.00
7	28.60	28.60	28.60	28.60	43.00	43.00	43.00
8	30.35	30.35	30.35	30.35	43.90	43.90	43.90
9	31.20	31.20	31.20	31.20	45.00	45.00	45.00
10	32.90	32.90	32.90	32.90	46.20	46.20	46.20
11	34.40	34.40	34.40	34.40	47.40	47.40	47.40
12					50.00	50.00	50.00

Standard Package, 6**
Specify size of shaft and length of drop, when ordering.

Midget Adjustable STRUT
CAST BRONZE—FOR SMALL INBOARD ENGINES



Fig. 660

Maximum drop is 5 inches, can be reduced to 3 inches. Adjustable to any angle of shaft.

Plain Bronze Each	Diam. Shaft Inches	Size of Base Inches	Length Bearing Inches	Weight Pounds
\$6.50	3/8 or 3/4	3 1/2 x 2 1/4	2 1/4	2

Adjustable STRUTS
FOR CUTLESS RUBBER BEARING
CAST BRONZE—EXTRA HEAVY



Fig. 1019

Size Shaft Inches	Width Flange Inches	Length Flange Inches	Length Bearing Inches	Weight Pounds
3/4	3	5 1/2	3	6 3/4
7/8	3	5 1/2	3 1/2	6 3/4
1	3	5 1/2	4	6 3/4
1 1/8	3	5 1/2	4 1/2	6 3/4
1 1/4	3 1/2	6 1/2	5	12
1 3/8	3 1/2	6 1/2	5 1/2	12
1 1/2	3 1/2	6 1/2	6	12

PRICES BELOW DO NOT INCLUDE RUBBER BEARING
For bearings see Fig. 1021.

Use bearings having the smallest outside diameter listed.

Lgth. Drop In.	Size Shaft Inches					
	3/4	7/8	1	1 1/8	1 1/4	1 3/8
5	\$27.20	\$27.75	\$28.30	\$28.60		
6	28.00	28.60	29.20	29.75	\$40.45	\$41.60
7	28.90	29.50	30.00	30.60	41.30	42.45
8	29.75	30.30	30.90	31.50	42.20	43.30
9			31.75	32.35	43.00	44.20
10			33.50	34.10	44.50	45.30
11					47.00	47.65
12					49.40	50.00

Standard Package, 6**
Specify size of shaft and length of drop, when ordering.
If desired, complete with rubber bearing, please specify.

Safety SHAFT COLLARS
MILLED BAR STEEL—MACHINED



Fig. 787

Size Shaft Inches	Each	Outside Diameter Inches	Width Inches	Weight Ounces
3/4	.55	1 1/4	3/8	2
7/8	.65	1 1/2	3/8	3
1	.75	1 5/8	5/8	3 1/2
1 1/8	1.00	1 3/4	3/4	4
1 1/4	1.15	2	1 1/8	5 1/2
1 3/8	1.25	2 1/8	3/4	6 1/2
1 1/2	1.35	2 1/4	3/4	7
1 3/4	2.90	2 3/4	7/8	13
2	3.15	3	7/8	15



Exhaust Pipe FLANGES
CAST BRONZE

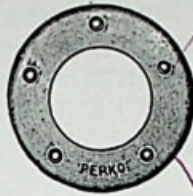


Fig. 214

For Pipe Inches	Inside Diameter Inches	Outside Diameter Inches	Weight Pounds
2	2 1/32	4	1/2
2 1/2	2 7/32	4 1/2	1/2
3	3 1/32	5 1/2	3/4
3 1/2	4 1/32	6	1

For Pipe Inches	Burnished Each	Chromium Plated Each	Standard Package
2	\$2.85	\$4.00	6"
2 1/2	3.25	5.00	6"
3	4.70	6.50	6"
3 1/2	5.00	7.00	6"

We can meet Kamer Passin at 50% in main 4/30/15

Gas Tank VENTS
CAST BRONZE
WITH FLANGED ELBOW

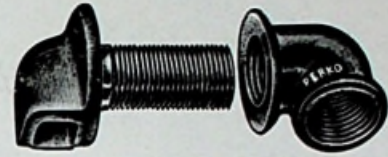


Fig. 503

A fitting designed for leading the gas tank vent out-board per recommendations of insurance underwriters.

No.	Plain Each	Chromium Plated Each	Pipe Size Inches	For Wood Inches	For Tanks Up To	Weight Ounces
1	\$3.20	\$4.50	3/8	1/8	100 Gals.	8
2	3.20	4.50	1/2	1/8	100 Gals.	8

Standard Package, 12*

Exhaust Tube FLANGES
CAST BRONZE

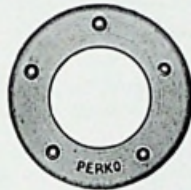


Fig. 738

For Tubing Inches	Inside Diam. Inches	Outside Diam. Inches	Weight Pounds
2	2 1/16	4	1/2
2 1/2	2 5/16	4 1/2	1/2
3	3 1/16	5 1/2	3/8
3 1/2	3 5/16	5 1/2	3/4
4	4 1/16	6	3/8

For Tubing Inches	Burnished Each	Chromium Plated Each	Standard Package
2	\$1.50	\$2.80	6"
2 1/2	2.90	4.50	6"
3	3.50	5.30	6"
3 1/2	5.00	7.00	6"
4	5.20	7.50	6"

"Perko" Zinc Marine OILERS

SPRING BRASS BOTTOM

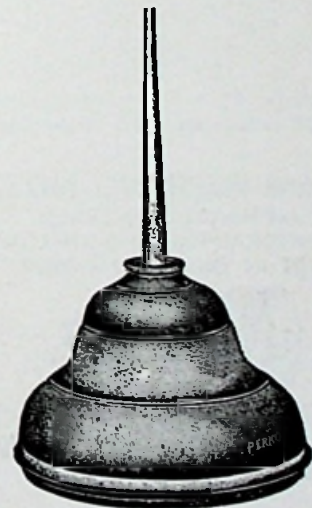


Fig. 326

Heavy gauge zinc with spring brass bottom, cut threads. Spouts are interchangeable.

No.	Complete Per Gross	Extra Spouts Per Gross	Capacity Ounces	Diam. Inches	Weight Per Gross Pounds
3	\$136.00	\$42.00	8	4	40

Supplied with 4 or 6 inch spouts, please specify.

Brass GREASE CUPS



Fig. 961

No.	Each	Height Closed Inches	Outside Diam. Inches	Pipe Thread Inches	Capacity Ounces
1	\$.60	1 1/16	3/8	1/8	1/4
2	.85	1 3/4	1 1/16	1/8	1/2
3	1.15	2	1 1/16	1/8	3/4

Standard Package, 50*

Intake Water STRAINERS

CAST BRONZE
STAINLESS STEEL STRAINER
TRANSPARENT LUCITE CYLINDER



Fig. 493

For installation between hull connection and water pump to the engine.

Lucite cylinders are difficult to break even when struck with hammer. Gaskets are corprene, (neoprene and cork) waterproof and resilient.

No.	Complete Each	Spare Cylinders Each	Spare Gaskets Each	Spare Strainers Each
1	\$22.00	\$ 5.00	\$.35	\$ 2.40
2	35.50	5.00	.45	3.75
3	37.00	5.20	.45	4.20
4	38.50	6.50	.45	4.75
5	48.50	10.50	.65	5.50
6	65.00	15.50	.65	8.00

No.	Pipe Size Inches	Size Cylinder Inches	Height Inches	Width Overall Inches	Weight Pounds
1	1/2	3 1/2 x 4	6	4 1/4	3 1/2
2	3/4	4 1/2 x 5	7 1/4	5 1/2	6 1/2
3	1	4 1/2 x 5 1/2	8 1/4	5 1/2	6 1/4
4	1 1/4	4 1/2 x 6	8 3/4	5 1/2	7
5	1 1/2	6 x 8	11 1/2	7	12
6	2	6 x 12	17 1/4	9	22

Standard Package, 12**

Height does not include top nut or drain plug.

Outboard FLUSHING NOZZLES

ALUMINUM AND BRASS
FOR INTERNAL FLUSHING OF LOWER UNIT IN OUTBOARD MOTOR

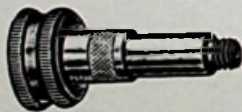


Fig. 179

The male threaded end is for attachment to all motors having flush plugs.

The female threaded end is for regular garden hose.

No.	Each	Size Thread	Length Overall Inches	Weight Ounces
1	\$1.25	3/8" x 16	2 1/8	1 1/2
2	1.35	3/8" x 16	2 1/4	2
3	1.25	1/4" Pipe	2	1 1/2
4	1.35	3/8" x 20	2 1/4	2

Standard Package, 12*

No. 1 for Johnson 25 H.P., Evinrude 14 and 25 H.P.

No. 2 for Evinrude 15 H.P., Johnson 10 H.P.

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

No. 4 for Evinrude and Johnson 3 H.P. and others.

The Improved "ENGINE SAVER" Combination Intake Water Strainer and Rust Preventer

CAST BRONZE—WITH MOUNTING BRACKETS
STAINLESS STEEL STRAINER
TRANSPARENT LUCITE CYLINDER
FILLED WITH ANTI-RUST CRYSTALS

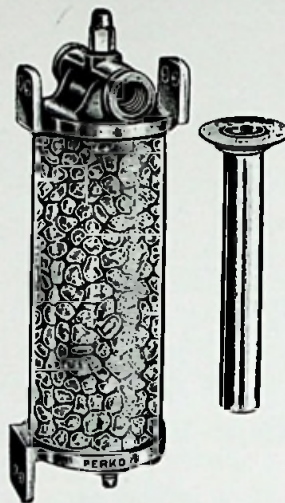


Fig. 494

For installation in the cooling system between the hull connection and pump or between pump and engine.

The cooling water (salt or fresh) passing through the "Engine Saver" slowly dissolves the crystals, creating a chemical solution which forms a very thin film on the inner surfaces of the cooling system (water jackets, manifolds etc.) protecting the metal from rust and assisting in the control of electrolysis.

The rate of crystal consumption is very small, as low as 2 pounds per year in the No. 2 size, depending upon the amount of use and temperature of the water.

The stainless steel perforated strainer in tubular form is permanently attached to the lower end of the brass tube illustrated. This assures maximum solution and filtering as the water must pass into the lower end of the tube to reach the outlet.

Gaskets are of neoprene and cork. Castings are carefully machined against leakage.

No.	Motor H.P.	Complete Each	Spare Cylinders Each	Spare Gaskets Each	Spare Strainers Each
1	up to 60	\$40.75	\$10.00	\$.35	\$4.00
2	60 to 150	61.50	10.85	.45	5.50
3	60 to 150	63.50	12.85	.45	6.00
4	60 to 150	65.50	13.25	.45	8.00
5	150 to 200	92.00	14.50	.65	8.50

Anti-rust crystals, per pound \$1.65, in 1, 5 or 10 pound bags.

No.	Pipe Size Inches	Size Cylinder Inches	Height Inches	Width Overall Inches	Amount Crystals Used Pounds	Weight Complete Pounds
1	1/2	3 1/2 x 8 1/2	10 1/2	4 1/4	2	11
2	3/4	4 1/2 x 11	14	5 1/2	4 1/2	15 1/2
3	1	4 1/2 x 12	15	5 1/2	5	18
4	1 1/4	4 1/2 x 13	16	5 1/2	6 1/2	20
5	1 1/2	6 x 15	18 1/2	7	14 1/4	30

Standard Package, 6*

Height does not include top nut or drain plug.



Improved Gasoline STRAINERS

CAST BRONZE HOUSING
WITH "KWICK KLEAN" FILTER ELEMENTS
AND CORPRENE GASKETS

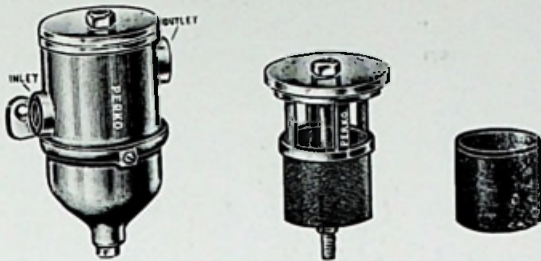


Fig. 299

The filter elements used are equivalent to 300 mesh screen cloth and are guaranteed to strain water from gasoline. They have a high flow rate, long life and are easy to clean. They can also be replaced in a few minutes by the removal of one nut. A soldering iron is not necessary.

Size No.	Complete Each	Spare Elements Each	Length Overall Inches	Diam. Inches	Tapped For Pipe Inches	Weight Pounds
1	\$14.20	\$.80	5½	2¾	¼ or ⅜	3¾
1½	18.25	.95	6¼	3¼	⅜ or ½	6
2	25.40	1.25	7¼	3¾	½ or ¾	8

Standard Package, 6**

Note—When ordering, be sure to specify pipe size, otherwise largest size shown will be supplied.

FLAME ARRESTERS

REQUIRED BY LAW ON ALL MARINE
CARBURETOR INSTALLATION

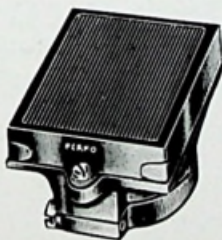


Fig. 464

A Flame Arrester attached to the air inlet of the carburetor eliminates the possibility of a fire being caused by backfiring through the carburetor.

Size No.	Style No.	Each	Inside Diam. Inches	Dimensions of Top Inches	Height Overall Inches
1	C-175-11A	\$11.75	1¼	2¼ x 2¼	2
2	B-175-19	12.25	1¾	3½ x 2¾	2½
3	B-175-19A	12.25	1½	3¾ x 2¾	2½
4	B-175-14	14.20	2¼	4¼ x 2¼	2½
5	B-175-12A	15.85	2¾	5¼ x 2¼	2½
6	B-175-12	15.85	2¾	5¼ x 2¼	2½
7	B-175-16	15.85	2¾	5¼ x 2¼	2½
8	B-175-13	19.50	3	5¼ x 3¼	2½

"Neptune" Marked LEAD LINES

WITH VINYLITE PLASTIC MARKERS
1-INCH CIRC. ITALIAN HEMP LINE

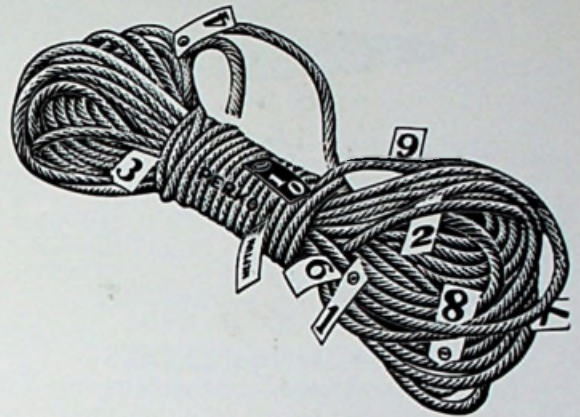


Fig. 190

A lead line that makes sense and can be easily read by anyone using it regardless of experience.

Instead of the old cryptic markings, it makes use of colored Vinylite 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.

Length Fathoms	Each	Length Fathoms	Each
7	\$ 7.70	25	\$17.70
10	9.25	30	20.80
15	12.30	40	27.70
20	14.65	50	34.25

Longer lengths made to order, price on application.

NOTE: Markings up to 10 fathoms inclusive marked every fathom and half fathom, the latter indicated by yellow strip.

Longer lines marked according to Navy standard i.e. 2-3-5-7-10-13-15-17-20 fathoms and every 5 fathoms thereafter.

SOUNDING LEADS



Fig. 940

All weights from 2 to 16 pounds each inclusive carried in stock.

	Per Pound
2 to 14 Pounds	\$.78
15 to 50 Pounds	.75
Larger Sizes	.70



Streamline CLEATS

ZAMAK DIE CASTINGS—CHROMIUM PLATED
SOLID BASE



Fig. 566

Length Inches	Chromium Plated Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
2	\$.60	2 x 1	3/8	7	25	1 1/4
3	.85	2 3/4 x 1 3/8	3/8	8	25	2 1/2
4 1/2	1.50	4 3/8 x 1 3/4	3/8	10	10	6
6	2.20	5 1/2 x 2	3/4	12	5	11 1/2

Standard Package, 50*

Modern Design CLEATS

ZAMAK DIE CASTINGS—CHROMIUM PLATED



Fig. 1250

Length Inches	Chromium Plated Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Ounces
3	\$1.25	1 1/2 x 1 1/4	3/8	8	25	2 1/2
4 1/2	1.60	1 3/4 x 1 1/2	1/2	8	10	8
6	2.25	2 1/4 x 2 1/8	3/4	10	5	13

Standard Package, 30*

Sturdy CLEATS

CAST BRONZE—HEAVY DUTY



Fig. 384

Length Inches	Polished Bronze Each	Chromium Plated Each	For Diam. Rope Inches	For Screw No.	Packed Per Box	Weight Pounds
4	\$2.15	\$2.90	1/4	8	5	1/2
5	4.00	4.85	3/8	8	5	3/4
6	4.75	5.70	3/8	10	5	1

Standard Package, 6*

Hollow CLEATS

CAST BRONZE—CLOSED ENDS



Fig. 572 WMG

Length Inches	Polished Bronze Each	Chromium Plated Each	For Screw No.	Weight Pounds	Packed Per Box
4 1/2	\$2.80	\$3.80	8	1/2	10
5 1/2	3.10	4.30-1.76	8	3/4	10
6 1/2	3.60	5.00	10	3/4	10
8	4.90	6.40	12	1 1/4	
10	9.30	10.90	1 1/2"	2	
12	13.00	15.35	1 3/4"	3	

Standard Package, 6*

Open Base Boat CLEATS

GALVANIZED IRON OR CAST BRONZE



Fig. 544

Length Inches	Cast Iron Each	Mall. Iron Each	Polished Bronze Each	Chromium Plated Each	Galv. Weight Pounds
3 1/2	\$.28	\$.41			3/8
4	.30	.52			1/4
5	.46	.64			3/8
6	.56	.93			1/2
8	1.20	1.70	\$3.90	\$4.90	1 1/4
10	2.10	2.65	6.00	7.85	2 1/4
12	3.15	3.70	8.00	10.00	3 3/4
14	4.50	6.40			6 1/4
18	7.75	11.45			11 1/2

Standard Package. Sizes 3 1/2 to 6 inch 20*, size 8 inch 6*.

Galvanized cleats supplied in cast unless otherwise specified.

Solid Base Boat CLEATS

DROP FORGED BRONZE



Fig. 544-A

These have much greater strength than cast bronze cleats. The finish is finer (no sand holes). They polish and plate to smoothness and brilliance not probable with castings.

Length Inches	Polished Bronze Each	Chromium Plated Each	For Screw No.	Packed Per Box	Weight Ounces
3	\$1.35	\$1.85	8	25	2 1/2
4	1.50	2.10	10	25	4
5	2.10	2.70	14	10	5 1/2
6	2.45	3.25	14	10	8

Standard Package 20*

Fender CLEATS

DROP FORGED BRONZE



Fig. 583

Length Inches	Dull Finish Each	Polished Bronze Each	Chromium Plated Each	Size Base Inches	For Screw No.	Weight Ounces
2 1/4	\$.70	\$1.10	\$1.50	1 1/2 x 1	6	1 1/2

Standard Package, 25*

Fender CLEATS

ZAMAK DIE CASTINGS—CHROMIUM PLATED



Fig. 1248

Length Inches	Chromium Plated Each	Size Base Inches	For Screw No.	Packed Per Bpx	Weight Ounces
2 1/4	\$.80	1 3/8 x 1	7	25	1 1/2

Standard Package, 25



Ship CLEATS
CAST IRON—HEAVY



Fig. 511

Length Inches	Galv. Each	Size of Base Inches	Holes for Diam. Bolts Inches	Weight Each Pounds
8	\$2.45	4 1/4 x 2 3/8	3/8	3
10	4.40	4 3/4 x 2 1/2	1/2	5 3/4
12	7.25	6 3/8 x 3	5/8	10
15	9.00	7 1/2 x 3 1/2	3/4	14
18	13.60	7 1/2 x 4	3/4	20 1/4
24	30.00	8 1/2 x 4 3/8	7/8	35

Standard Package, 6*

Skene Bow CHOCKS

ZAMAK DIE CASTING—CHROMIUM PLATED



Fig. 1223

Per Pair	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	For Screw No.	Packed Pairs Per Box	Weight Per Pair Ounces
\$1.50	3 1/2	7/8	5/8	8	10	4

Standard Package, 30 Pairs.

Bow CHOCKS

GALVANIZED OR BRONZE



Fig. 546

Lgth. Inches	Galv. Iron Per Pair	Polished Bronze Per Pair	Chrom. Plated Per Pair	Width Inches	For Diam. Rope Inches	Bronze For Screw No.	Wt. Per Pair Lbs.
3	\$.55	\$2.25	\$3.45	3/8	1/2	8	1/4
4	.62	2.85	3.95	3/4	3/8	10	1/2
5	1.10	4.10	5.50	7/8	3/8	10	1
6	1.95	7.50	9.50	1	1	14	1 1/2
8	3.00	11.00	14.00	1 1/4	1 1/8	14	3
10	4.90	17.00	23.25	1 3/4	1 1/4	16	5 3/4
12	12.00	25.50	31.50	2	1 1/4	16	11 1/4
15	27.25			3 1/2	1 3/4		40

Standard Package, 6 Pairs*

NOTE—3, 4 and 5 inch sizes are forged bronze.

Double Jam CLEATS
CAST BRONZE—POLISHED



Fig. 1030

No.	Length Overall Inches	Width Inches	For Screw No.	Weight Each Ounces	Packed Per Box
0	3	3/8	6		
1	4	1/2	7		
2	5	5/8	8		
0	\$1.15	2	25		
1	1.40	3 1/2	10		
2	1.95	5 1/2	10		

Standard Package, 12*

Automatic Jam CLEATS
CAST BRONZE—POLISHED

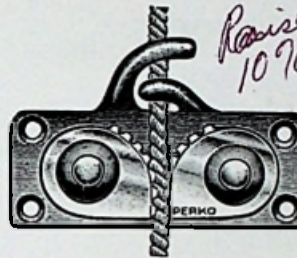


Fig. 895

No.	For Rope Inches	Size Base Inches	For Screw No.	Wt. Ozs.
1	1/4 - 3/8	3 1/2 x 1 1/2	8	10
2	3/8 - 1/2	5 1/8 x 1 1/4	10	18

Standard Package, 12*

Modern Design Bow CHOCKS
ZAMACK DIE CASTINGS—CHROMIUM PLATED



Fig. 1251

Per Pair	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	For Screw No.	Weight Per Pair Ounces	Packed Pairs Per Box
\$2.90	3 3/4	3/4	1/2	8	8 1/2	10

Standard Package, 30 Pairs.

Straight Stern CHOCKS
GALVANIZED OR BRONZE



Fig. 119

Lgth. Inches	Galv. Iron Each	Polished Bronze Each	Chrom. Plated Each	Width Inches	For Diam. Rope Inches	Bronze For Screw No.	Wt. Each Lbs.
4	\$.37	\$1.60	\$2.10	3/8	3/4	8	1/4
5	.58	2.30	3.00	1	3/8	10	1/2
6	.87	3.20	4.65	1 1/8	1	12	3/4
8	1.80	5.80	7.80	1 3/8	1 1/8	14	1 1/2
10	2.80	10.50	12.50	1 3/4	1 1/2	16	2 3/4
12	5.50	14.00	17.00	2 1/2	1 3/4	18	7 1/2
15	10.75			3 3/8	1 3/4		20
18	16.00			3 1/2	2		31

Standard Package, 12*

NOTE—4 and 5 inch sizes are forged bronze.



Streamline CHOCKS

FOR BOW OR STERN

ZAMAK DIE CASTINGS—CHROMIUM PLATED



Fig. 1240

The bow line can pass through these chocks at the usual angle without wear as the vertical part of each jaw is rounded for that purpose.

Per Pair	Length Inches	Extreme Width Inches	For Diameter Rope Inches	For Screw No.	Weight Ounces	Packed Pairs Per Box
\$2.50	4	1	1/2	10	3 1/2	10

Standard Package, 30 Pairs

Skene Bow CHOCKS

CAST BRONZE



Fig. 160

Size No.	Polished Bronze Per Pair	Chromium Plated Per Pair	Length Inches	Width Inches	Opening Inches	Weight Per Pair Pounds
1	\$ 4.60	\$ 6.00	4 1/2	3/4	3/4	3/4
2	6.60	9.00	5 1/8	1 1/8	3/8	1 1/2
3	14.50	17.00	7 1/4	1 1/2	1	4
4	16.50	20.50	8	1 1/2	1 1/8	5 1/2
5	21.50	25.50	10	1 3/4	1 1/2	8 1/2

Standard Package, 6 Pairs*

Skene Bulwark Bow CHOCKS

CAST BRONZE



Fig. 751

Length Inches	For Diam. Rope Up to Inches	Thick-ness of Rail Inches	Height Inches
7	1 1/4	1 1/2	2 3/4

Length Inches	Polished Bronze Per Pair	Chromium Plated Per Pair	Weight Per Pair Pounds
7	\$15.50	\$19.75	4 1/4

Standard Package, 6 Pairs*

Bulwark Bow CHOCKS

CAST BRONZE



Fig. 768

No.	Polished Bronze Per Pair	Chromium Plated Per Pair	Length Inches	Width Overall Inches	Height Inches	Size of Rope Inches
1	\$19.00	\$23.00	11 1/4	1 1/4	2 1/4	1 1/2

Standard Package, 6 Pairs*

Anchor LIFT LEADERS

GALVANIZED MALLEABLE IRON



Fig. 483

For attaching to bow of boat. The sheave projects over the stem. These are very handy for raising or dropping anchor.

Each	For Diam. Rope Inches	Size Sheave Inches	Length Overall Inches	Length Plate Inches	Weight Pounds
\$2.25	3/8	2x 1/2	7 1/2	4 1/2	1 1/4

Standard Package, 12

Skene Stern CHOCKS

CAST BRONZE



Fig. 161

Size No.	Polished Bronze Each	Chromium Plated Each	Length Inches	Width Inches	Opening Inches	Weight Each Pounds
11	\$ 2.10	\$ 3.00	4	3/4	3/4	1/2
12	3.65	5.00	5 3/4	1 1/4	1	1
13	6.60	8.50	7	1 5/8	1 3/4	2
14	11.50	14.00	9	2 1/8	1 3/4	4

Standard Package, 12*

Skene Bulwark Stern CHOCKS

CAST BRONZE



Fig. 752

Length Inches	Polished Bronze Each	Chromium Plated Each	For Diam. Rope Up to Inches	Thick-ness of Rail Inches	Height Inches	Weight Each Pounds
6	\$7.50	\$10.20	1 1/4	1 1/2	2 3/4	2

Standard Package, 6*

Bulwark Stern CHOCKS

CAST BRONZE



Fig. 769

No.	Polished Bronze Each	Chromium Plated Each	Length Inches	Width Overall Inches	Height Inches	Size of Rope Inches
1	\$10.00	\$12.00	9 1/4	1 3/8	2 3/8	1 1/2
2	11.50	14.00	11 1/2	1 3/4	3	1 3/4

Standard Package, 6*



Mooring BITTS

CAST BRONZE
ROUND POST—ROUND BASE
POST TAPERED TO HOLD LINE AT BOTTOM
ROUND TO PREVENT WEAR ON LINE

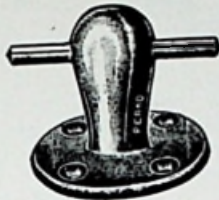


Fig. 597

No.	Polished Bronze Each	Chromium Plated Each	Diam. Base Inches	Height Inches	For Screw No.	Weight Pounds
1	\$5.75	\$7.50	2 1/4	2 3/8	10	3/4

Standard Package, 6*

Mooring BITTS
CAST BRONZE

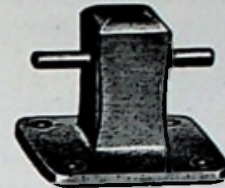


Fig. 608

No.	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Height Inches	For Screw No.	Weight Pounds
1	\$6.35	\$8.75	3 x 3	2 1/2	10	3/4
2	10.00	13.10	4 1/4 x 4 1/4	3 1/2	14	1 1/8
3	19.25	22.75	6 x 6	5	3/4"	4 1/2
4	31.00	35.75	7 x 7	6 1/2	1/2"	12

Standard Package, 6*

Riding BITTS

GALVANIZED CAST IRON



Fig. 926

No.	Each	Height Inches	Size Base Inches	Weight Pounds
01	\$6.00	5 3/4	3 1/2 x 3 1/2	4
1	7.80	6 3/4	5 x 5	6
1 1/2	11.75	8 1/4	5 1/2 x 5 1/2	9
2	22.00	10	5 1/2 x 7 1/2	18

Standard Package, 6*

Comb. BITT and Rope DECK PIPES
CAST BRONZE

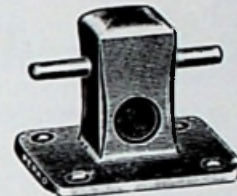


Fig. 431

A hollow one piece casting of minimum weight but maximum strength. An opening in one side of bitt to allow rope to be stored below deck but always ready for use.

No.	Polished Bronze Each	Chromium Plated Each	Size Base Inches	Height Inches	For Diam. Rope Inches	Weight Pounds
2	\$11.00	\$14.10	4 1/4 x 4 1/4	3 1/2	3/4	1 1/4
3	20.25	23.75	6 x 6	5	1	4

Standard Package, 6*

No. 2 Drilled for 1/4 inch bolt.

No. 3 Drilled for 3/8 inch bolt.

Silent Sheet Snubbing WINCH

CAST BRONZE
NOISELESS IN OPERATION—NO SPRING
NOTHING TO GET OUT OF ORDER



Fig. 937

No.	Height Inches	Diam. Top Inches	Diam. Base Inches	Wt. Ozs.
0	2 1/8	1 3/8	2	7
01	2 3/4	2 1/4	2	9

No.	Polished Bronze Each	Chromium Plated Each
0	\$7.50	\$9.25
01	7.75	9.50

Standard Package, 6*

Rope DECK PIPES

GALVANIZED CAST IRON OR CAST BRONZE

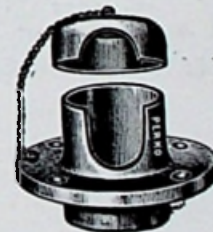


Fig. 741

No.	For Diam. Rope Inches	Inside Diam. Inches	Diam. Flange Inches	Height Above Deck Inches	Weight Pounds
0	3/8	1 1/4	3	1 3/8	3/4
1	3/4 & 1	1 3/4	4 1/4	1 3/4	1 1/4
2	1 1/4	2 1/4	4 3/4	1 3/4	1 3/4

No.	Galvanized Each	Chromium Plated Each
0	.....	\$ 6.25
1	\$2.90	13.30
2	4.75	17.75

Standard Package, 6*

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

LASHING HOOK

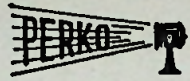
FOR BOAT COVERS
ZAMAK DIE CASTING—CHROMIUM PLATED



Fig. 1249

Chromium Plated Each	Length Overall Inches	Width Overall Inches	Inside Hook Inches	For Screw No.	Packed Per Box	Weight Ounces
\$.20	1 1/8	1/2	1/4	6	50	1/2

Standard Package, 50



**MODERN DESIGN
MATCHED HARDWARE**

ZAMAK DIE CASTINGS—CHROMIUM PLATED



CLEAT
Fig. 1250



BOW CHOCKS
Fig. 1251



TRANSOM HANDLE
Fig. 1254



BOW HANDLE
Fig. 1253



BOW HANDLE with EYE
Fig. 1269

CLEATS and CHOCKS

Figs.	Each	Per Pair	Length Inches	Packed Per Box
1250	\$1.25		3	25
1250	1.60		4½	10
1250	2.25		6	5
1251		\$2.90	3¾	10 Pr.

NOTE—For other details

Fig. 1250 See Page 118

Fig. 1251 See Page 119

HANDLES

Figs.	Each	Length Base Inches	Height Above Deck Inches	For Screw No.	Wt. Oz.	Packed Per Box
1253	\$3.75	11¾	2	10	19	5
1254	1.85	5¾	1¾	8	7	10
1269	4.00	11¾	2	10	18	5

Streamline BOW HANDLE
ZAMAK DIE CASTING—CHROMIUM PLATED

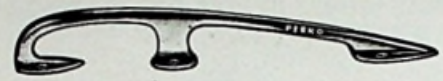


Fig. 1238

An extremely good looking bow handle for small boats. A practical grab handle for cabin boats.

Chromium Plated Each	Length Overall Inches	Height Above Deck Inches	For Screw No.	Weight Ounces	Packed Per Box
\$3.25	13¾	1¾	8	14	5

Streamline BOW HANDLE
ZAMAK DIE CASTING—CHROMIUM PLATED



Fig. 1244

Combining good looks and practicability, a fine bow handle for small boats or grab handle for cruisers.

Chromium Plated Each	Length Base Inches	Height Above Deck Inches	For Screw No.	Weight Ounces	Packed Per Box
\$2.75	12	1¾	8	13	5

BOW HANDLE

ZAMAK DIE CASTINGS—CHROMIUM PLATED



Fig. 1221

Fig. 1234

Chromium Plated Each	Length Overall Inches	Height Above Deck Inches	For Screw No.	Weight Ounces	Packed Per Box
\$1.90	6½	2	8	5½	10

BOW HANDLE

CAST BRONZE

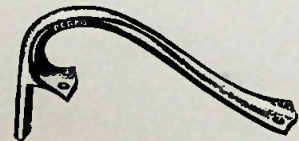
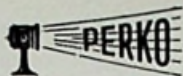


Fig. 363

Chromium Plated Each	Length Overall Inches	Height Above Deck Inches	For Screw No.	Weight Ounces	Packed Per Box
\$4.00	6½	2	8	9	10



**Round Grip
TRANSOM HANDLE**

ZAMAK DIE CASTING—CHROMIUM PLATED

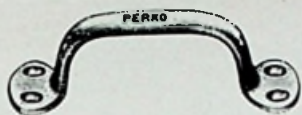


Fig. 1231

Extra strong for heavy boats. The round grip has no sharp edges and is ample to accommodate a man size hand.

Each	Length Overall Inches	Length Inside Inches	Height Inside Inches	For Screw No.	Weight Ounces	Packed Per Box
\$1.25	6	3½	1¾	10	7¼	10

Standard Package, 30

TRANSOM HANDLES

ZAMAK DIE CASTING—CHROMIUM PLATED

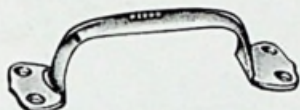


Fig. 1222

Chromium Plated Each	Length Overall Inches	Length Inside Inches	For Screw No.	Weight Ounces	Packed Per Box
\$1.10	5¾	3¾	8	3½	10

Standard Package, 30

**TRANSOM HANDLES
CAST BRONZE**



Fig. 775

No.	Polished Bronze Each	Chromium Plated Each	Length Overall Inches	Length Inside Inches	For Screw No.	Weight Ounces
1	\$1.00	\$1.20	4¼	2¾	6	2
2	1.75	1.90	5¾	3¾	8	4

Standard Package, 30*

Size No. 2 is U. S. Govt. Type No. 1274.

**TRANSOM HANDLE
GALV. MALL. IRON OR CAST BRONZE**



Fig. 361

Galv. Each	Burnished Bronze Each	Chromium Plated Each	Length Overall Inches	Size Opening Inches	Weight Ounces
\$.95	\$1.40	\$2.90	6½	3¼ x 1¼	8

Standard Package, 30*

Drilled for No. 8 Screw.

TRANSOM HANDLE

ZAMAK DIE CASTING—CHROMIUM PLATED

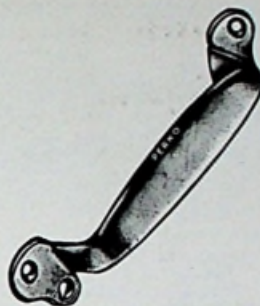


Fig. 1229

Will not hurt the hand, no sharp edge, grip is of proper angle to fit comfortably.

Chromium Plated Each	Length Overall Inches	Length Inside Inches	For Screw No.	Weight Ounces	Packed Per Box
\$.90	5¼	3½	6	2½	10

Standard Package, 30

**FITTINGS for
Convertible Boat Tops**

CAST BRONZE — CHROMIUM PLATED



Hinge No. 1



Hinge No. 2



Socket Nos. 3 and 4



Slide Nos. 5, 6 and 7



Eye End No. 8

Fig. 395

Part No.	Each	Item	Weight Ounces
1	\$2.20	Deck Hinge or Bracket	2
2	2.00	Side Hinge or Bracket	1¾
3	2.60	Socket, Tapped for ¾ inch pipe	2½
4	3.30	Socket, Drilled for ¾ inch O.D. Tubing	2½
5	3.50	Slide, Drilled for O.D. of ¾ inch pipe	3
6	3.50	Slide, Drilled for ¾ inch O.D. Tubing	2½
7	2.20	Slide, Drilled for ¾ inch O.D. Plastic Covered Tubing	2½
8	2.00	Eye End, for ¾ inch I.D. x ¾ inch O.D. Plastic Covered Tubing	2

Standard Package, 6*

Large Package, 36*



BOW RINGS

DROP FORGED BRONZE
EXTRA STRONG SHANK



Fig. 238

For towing or mooring small boats. Points under shoulder prevent turning or twisting of eye.

No.	Dull Bronze Each	Chromium Plated Each	I.D. Eye Inches	Lgth. Shank Inches	Diam. Shank Inches	Weight Ounces
1	\$1.35	\$2.00	1	3 3/8	3/8	5 1/2
2	2.00	2.65	1	6	3/8	7

Standard Package, 50*

RING ON PLATE
GALVANIZED DROP FORGED STEEL



Fig. 607

No.	Galvanized Each	Size Ring Inches	Size Plate Inches	For Screw No.	Weight Per 100 Pounds
1	\$1.25	3/4 x 1 1/2	2 1/2 x 2 1/4 x 1/4	12	33
2	1.55	3/4 x 2	2 1/2 x 2 1/4 x 1/4	12	50

Standard Package, 12*

New Heavy Duty BOW RINGS
CAST MANGANESE BRONZE

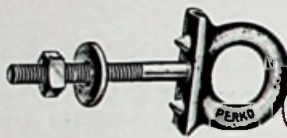


Fig. 238-A

Extra large and strong for small inboard and outboard cruisers.

No.	Burn. Bronze Each	Chromium Plated Each	I.D. Eye Inches	Length Shank Inches	Diam. Shank Inches	Weight Ounces
3	\$3.95	\$5.20	1 1/4	6	1/2	15

Standard Package, 12*

RINGS WITH STRAPS
GALVANIZED MALLEABLE IRON
OR CAST BRONZE—HEAVY PATTERN



Fig. 1020

No.	Galvanized Each	Burnished Bronze Each	Chromium Plated Each	Size Strap Inches	For Screw No.
1	\$0.95	\$1.20	\$2.00	4 1/4 x 3/4	8
2	1.10			4 1/4 x 3/4	8

Standard Package, 20*

Galv. ring No. 1, 3/8 x 1 1/2. No. 2, 3/8 x 1 3/4 inches.

Bronze ring, No. 1, 1/4 x 1 1/2 inches.

Galv. weight, No. 1, 4 1/2 ounces, No. 2, 4 3/4 ounces.

BOW EYES
CAST BRONZE



Fig. 303

No.	Metal In Eye Inches	Length of Straps Inches	Extreme Length Inches	I.D. Eye Inches	For Screw No.
1	3/4	1 1/4	3	3/4	8

No.	Burnished Bronze Each	Polished Bronze Each	Chromium Plated Each	Weight Ounces	Packed Per Box
1	\$1.00	\$1.65	\$2.25	3 1/2	5

Standard Package, 15*

RINGS
POLISHED BRASS



Fig. 417

Inside Diam. Inches	Thick-ness Inches	Per Dozen	Inside Diam. Inches	Thick-ness Inches	Per Dozen
1/2	3/32	\$1.35	1 1/4	3/16	\$3.25
3/8	3/32	1.50	1 1/2	3/32	4.45
3/4	3/32	1.75	1 3/4	3/32	6.10
1	3/32	2.15	2	1/4	7.15
		2.60	2 1/2	3/32	9.25

Standard Package, 3 Dozen*

RING ON PLATE
CAST BRONZE—STREAMLINE PATTERN



Fig. 182

No.	Chromium Plated Each	Length Base Inches	Width Base Inches	Size of Ring Inches	Weight Ounces
1	\$2.80	2 1/4	1 1/2	3/16 x 1 1/4	2 1/4
2	3.40	3 1/4	1 3/8	3/32 x 1 1/2	3 1/2

Standard Package 20**
Drilled for No. 8 Screw.



FIG 232

Halyard Eyes

For Flag Pole
SPRING BRASS—
CHROMIUM PLATED

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

Each — \$.25
Standard Package, 12



STEP PLATES

ZAMAK DIE CASTING—CHROMIUM PLATED
WITH BLACK OR WHITE MOULDED
RUBBER STEP PADS



Fig. 1225

No.	Black Complete Each	White Complete Each	Frame Only Each	Overall Dimensions Inches	For Screw No.	Weight Ounces
0	\$1.50	\$1.60	\$1.15	8 x 2½	4	6
1	2.00	2.20	1.35	8¾ x 3¼	6	8
2	2.85	3.10	2.10	11½ x 5¼	8	12

Standard Package, 20†
Black supplied unless otherwise specified.
Packed per box—Nos. 0 and 1, 10 pieces. No. 2, 5 pieces.

STEP PLATES

CAST BRONZE FRAME—CHROMIUM PLATED
WITH BLACK OR WHITE MOULDED
RUBBER STEP PADS



Fig. 1043

No.	Black Complete Each	White Complete Each	Frames Only Each	Overall Dimensions Inches	For Screw No.	Weight Pounds
1	\$4.75	\$4.85	\$4.40	8¾ x 3¼	6	¾
2	6.65	6.90	6.00	11½ x 5¼	8	1¾

Standard Package, 12†
Black supplied unless otherwise specified.
Packed per box—No. 1, 10 pieces. No. 2, 5 pieces.

Rubber PADS Only BLACK OR WHITE

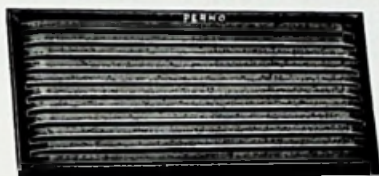


Fig. 1050

No.	Black Each	White Each	Length Inches	Width Inches	Thickness Inches	Weight Ounces
0	\$.40	\$.50	7¼	1½	¼	2
1	.65	.85	8	2½	⅝	3¼
2	.75	1.00	11	5	⅝	8¼

Standard Package, 20†
Black supplied unless otherwise specified.
Packed 10 pieces per box.

Utility Rubber STEP PLATES HEAVY CORRUGATED BLACK OR WHITE RUBBER WITH BRASS, CHROMIUM PLATED FRAME



Fig. 1044—Plain

No.	Black Each	White Each	Overall Dimensions Inches	Weight Pounds
3	\$4.65	\$4.80	8½ x 3½	½
4	5.50	6.20	10 x 4	¾
5	6.70	7.40	13 x 5	1
6	7.20	8.75	17 x 6	1½
7	7.75	10.00	18 x 7	2
8	9.65	10.80	20 x 8	2½
9	6.70	8.25	12 x 8	1½
10	8.25	10.50	15 x 10	2½

Standard Package, 6†
Black supplied unless otherwise specified.

NEW STEP PLATES

ZAMAK DIE CASTINGS—CHROMIUM PLATED
BLACK OR WHITE RUBBER PADS

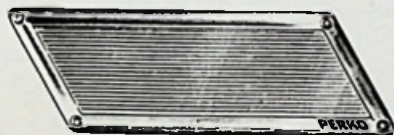


Fig. 1273

Supplied in pairs, one plate for each side of boat.

No.	Black Complete Per Pair	White Complete Per Pair	Overall Dimensions Inches	For Screw No.	Weight Per Pair Ounces
1	\$3.80	\$4.00	8½ x 3¼	6	18

Standard Package, 10 pair †

New Modern Design STEP PLATES

ZAMAK DIE CASTINGS—CHROMIUM PLATED
BLACK OR WHITE RUBBER PADS



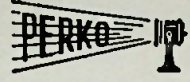
Fig. 1284

Certainly the most attractive step plate made for out-board and inboard boats.

Black Complete Each	White Complete Each	Black Pads Each	White Pads Each	Overall Dimensions Inches	Weight Complete Ounces
\$2.25	\$2.30	\$.50	\$.55	8 x 2¼	5

Standard Package, 20†

*casting Tools 19¢
Rubber Pads 65¢
CASTINGS C-4
BLACK RUBBER C-1
WHITE C-1*



Ribbed Socket ROWLOCKS
GALVANIZED—CAST IRON



Fig. 638

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
0	\$1.05	\$.60	\$.45	1 3/4	1 1/8
1	1.10	.65	.45	2	1 1/4
2	1.55	.95	.60	2 1/4	1 3/4

Standard Socket ROWLOCKS
GALVANIZED MALLEABLE IRON



Fig. 639

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
0	\$1.60	\$1.15	\$.45	1 3/4	1 1/8
1	1.75	1.30	.45	2	1 1/4
2	2.80	1.85	.95	2 1/4	1 3/4
3	3.95	2.90	1.05	2 1/2	2 5/8

North River ROWLOCKS
WITH STANDARD SOCKET
ZAMAK DIE CASTING—CHROMIUM PLATED



Fig. 1227

No.	Chromium Plated Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Ounces
0	\$3.20	\$1.80	\$1.40	1 3/4	15

North River ROWLOCKS
GALVANIZED MALLEABLE IRON OR BRONZE

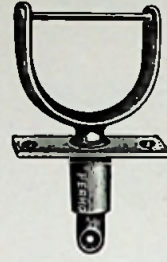


Fig. 643

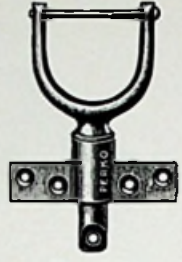


Fig. 644

Fig.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
643 Galv.	\$2.15	\$1.70	\$.45	2 1/8	1 1/2
644 Galv.	2.80	1.70	1.10	2 1/8	1 1/2
643 Pl. Bronze	3.55	2.50	1.05	2 1/8	1 1/2
644 Pl. Bronze	4.25	2.50	1.75	2 1/8	1 1/2
643 Pol. Bronze	6.05	4.25	1.80	2 1/8	1 1/2
644 Pol. Bronze	7.45	4.25	3.20	2 1/8	1 1/2
643 Chrom. Pltd.	8.25	5.55	2.70	2 1/8	1 1/2
644 Chrom. Pltd.	9.65	5.55	4.10	2 1/8	1 1/2

Hole in horn shank for chain not included.

North River ROWLOCKS
WITH FANCY SIDE PLATE
GALVANIZED MALLEABLE IRON OR BRONZE



Fig. 652

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
1 Galv.	\$3.10	\$1.70	\$1.40	2 1/8	1 1/2
1 Pl. Bronze	4.60	2.50	2.10	2 1/8	1 1/2
1 Pol. Bronze	8.55	4.25	4.30	2 1/8	1 1/2
1 Chrome Pltd.	10.55	5.55	5.00	2 1/8	1 1/2

North River ROWLOCKS
WITH SIDE PLATE SOCKET
ZAMAK DIE CASTING—CHROMIUM PLATED



Fig. 1228

No.	Chromium Plated Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Ounces
0	\$3.80	\$1.80	\$2.00	1 3/4	18

BRASS SAFETY CHAIN FOR ROWLOCKS, \$.50 PER PAIR
NOTE—ALL ABOVE HORNS AND SOCKETS ARE INTERCHANGEABLE.
Standard Package, Entire Page, Galv., 25 Pr.*, Bronze and Zamak, 10 Pr.*
Bulk Package, Entire Page, Galv. only, 100 Pr.*



Boston Side Plate ROWLOCKS
GALVANIZED MALLEABLE IRON OR BRONZE

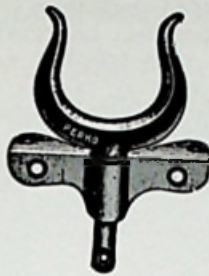


Fig. 646

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
0 Galv.	\$2.60	\$1.25	\$1.35	1 3/4	1 1/4
1 Galv.	2.75	1.35	1.40	2	1 1/2
0 Pl. Bronze	4.35	2.25	2.10	1 3/4	1 1/4
1 Pl. Bronze	4.45	2.35	2.10	2	1 1/2
0 Pol. Bronze	8.25	3.95	4.30	1 3/4	1 1/4
1 Pol. Bronze	8.75	4.45	4.30	2	1 1/2
0 Chrome Pltd.	10.75	5.75	5.00	1 3/4	1 1/4
1 Chrome Pltd.	11.25	6.25	5.00	2	1 1/2

Side Plate ROWLOCKS
CAST BRONZE

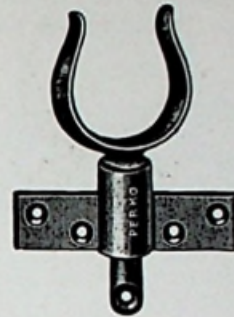


Fig. 645

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
1 Pl. Bronze	\$5.15	\$3.30	\$1.85	2	1 3/4
1 Pol. Bronze	8.00	4.75	3.25	2	1 3/4
1 Chrome Pltd.	10.65	6.55	4.10	2	1 3/4

Davis Pattern ROWLOCKS
GALVANIZED MALLEABLE IRON OR BRONZE



Fig. 641

Size No.	Galv. Per Pair	Plain Bronze Per Pair	Polished Bronze Per Pair	Chromium Plated Per Pair	Opening Inches	Weight Per Pair Pounds
0	\$3.00				1 3/4	2
1	3.30	\$5.55	\$9.10	\$11.50	2	2
2	4.50				2 1/4	2 3/4

Boston Socket ROWLOCKS
GALVANIZED MALLEABLE IRON OR BRONZE



Fig. 545

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Opening Inches	Weight Per Pair Pounds
0 Galv.	\$1.75	\$1.25	\$.50	1 3/4	7/8
1 Galv.	1.85	1.35	.50	2	1
0 Pl. Bronze	3.30	2.25	1.05	1 3/4	7/8
1 Pl. Bronze	3.40	2.35	1.05	2	1
0 Pol. Bronze	5.75	3.95	1.80	1 3/4	7/8
1 Pol. Bronze	6.25	4.45	1.80	2	1
0 Chrome Pltd.	8.40	5.75	2.65	1 3/4	7/8
1 Chrome Pltd.	8.90	6.25	2.65	2	1

Round Socket ROWLOCKS
GALVANIZED MALLEABLE IRON OR BRONZE



Fig. 642

Size No.	Complete Per Pair	Horns Only Per Pair	Sockets Only Per Pair	Inside Diam. Inches	Weight Per Pair Pounds
0 Galv.	\$1.80	\$1.30	\$.50	2	1 1/8
1 Galv.	2.00	1.50	.50	2 1/4	1 1/4
2 Galv.	2.75	1.80	.95	2 1/2	1 1/2
1 Pl. Bronze	4.00	2.95	1.05	2 1/4	1 1/4
1 Pol. Bronze	7.00	5.20	1.80	2 1/4	1 1/4
1 Chrome Pltd.	9.65	7.00	2.65	2 1/4	1 1/4

Copper OAR and PADDLE TIPS



Fig. 794



Fig. 788

Fig. 794 Oar Tips—Per Pair	\$.50
Fig. 788 Paddle Tips—Each	.30
Standard Package, 25*	

NOTE—ALL ABOVE HORNS AND SOCKETS EXCEPT FIG. 641 ARE INTERCHANGEABLE
Standard Package, All Rowlocks, Galv. 25 Pr.* Bronze and Zamak, 10 Pr.*
Bulk Package, All Rowlocks, Galv. only, 100 Pr.*



"Neptune" BATTERY BOX

MOLDED FIBRE GLASS

For 6 or 12 Volt Storage Battery

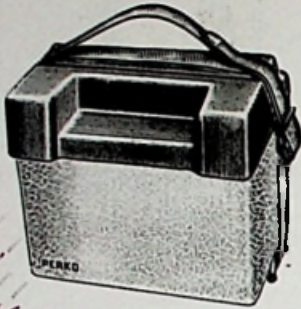


Fig. 703

An attractive and practical battery box or carrying case.

Acid resistant, protects battery from dirt, oil or water. Has high impact strength.

Designed primarily to fit Model 2 SM 12 volt storage batteries but will fit many other sizes.

Color is white with aqua-marine cover but color can be changed to suit by application of outboard motor spray paint.

Supplied complete with web strap and hold-down eyes.

Complete Each	Strap Only Each	Eyes Only Each	Height With Cover Inches	Length Inside Inches	Width Inside Inches	Weight Pounds
\$12.25	\$1.75	\$.24	10 $\frac{3}{4}$	10 $\frac{3}{4}$	7 $\frac{1}{2}$	3 $\frac{1}{2}$

Packed 6 per carton

Standard Package, 2 cartons

BATTERY CONTAINER

FOR 6 VOLT "HOT SHOT" BATTERY

GALVANIZED SHEET STEEL WITH

HEAVY GAUGE WROUGHT STEEL BRACKETS



Fig. 713

This container is designed for fastening to the under side of a seat, out of the way. It fits the 6 volt battery perfectly and has a rubber grommetted exit for the wires.

Supplied complete with two bronze $\frac{1}{4}$ " x $1\frac{1}{2}$ " carriage bolts with wing nuts.

Each	Length Box Inches	Width Box Inches	Depth Box Inches	Weight Pounds
\$5.50	10 $\frac{1}{2}$	7 $\frac{3}{4}$	2 $\frac{3}{4}$	2 $\frac{1}{4}$

Standard Package, 6

BATTERY BOX

GALVANIZED SHEET STEEL

WITH GALVANIZED WROUGHT STEEL

HOLDING BRACKETS

FOR 6 VOLT STORAGE BATTERY

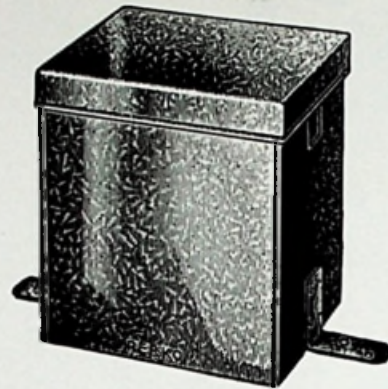


Fig. 712

To accommodate the wet storage battery necessary for outboard motors with electric self starters.

Has friction tight cover and opening for battery cable.

Each	Length Inside Inches	Width Inside Inches	Depth Inside Inches	Weight Pounds
\$8.00	9 $\frac{1}{2}$	7 $\frac{1}{2}$	10 $\frac{1}{2}$	4 $\frac{1}{4}$

Standard Package, 6

FENDER HOOKS

GALV. MALLEABLE IRON OR FORGED BRONZE

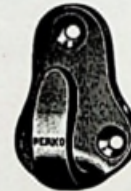


Fig. 547

No.	Galv. Each	Dull Bronze Each	Chromium Plated Each	For Rope Diam. Inches	Size Plate Inches	Weight Ounces
1	\$.35	\$.55	\$1.30	$\frac{3}{8}$	1 $\frac{3}{8}$ x1 $\frac{1}{4}$	1 $\frac{1}{2}$
2	.75	.85	1.70	$\frac{1}{2}$	2 $\frac{1}{4}$ x1 $\frac{1}{4}$	2 $\frac{3}{4}$

No. 1 for No. 6 screw, packed 25 per box.

No. 2 for No. 8 screw, packed 10 per box.

Standard Package, 1 box*

FENDER HOOKS

ZAMAK DIE CASTING—CHROMIUM PLATED



Fig. 1246

Chromium Plated Each	For Rope Diameter Inches	Size Plate Inches	For Screw No.	Packed Per Box	Weight Ounces
\$.70	$\frac{3}{8}$	1 $\frac{3}{4}$ x1 $\frac{1}{4}$	6	25	1 $\frac{1}{4}$

Standard Package, 50

Tools
30 C NE NE
FRT TO CHST. RA 44
TSOC
Complete
O.R.P.
R.T.N.
NT
OT%
PK
NI
NP%
GR R.L.N.



TRANSOM PLATES
FOR OUTBOARD MOTORS
ZAMAK DIE CASTING—CHROMIUM PLATED
WITH LEATHER PADS



Fig. 1224

Per Pair	Length Overall Inches	Inside Diameter Inches	For Screw No.	Weight Per Pair Ounces	Packed Pairs Per Box
\$1.10	3 3/4	1 3/4	7	2 1/2	25

Standard Package, 25 Pairs

TRANSOM PLATES
FOR OUTBOARD MOTORS
FORGED BRONZE—WITH LEATHER PADS



Fig. 814

Dull Finish Per Pair	Chromium Plated Per Pair	Outside Diameter Inches	Inside Diameter Inches	For Screw No.	Weight Per Pair Ounces
\$1.40	\$1.90	3	1 3/4	6	7

Standard Package, 25 Pairs †

TRANSOM PLATES
FOR OUTBOARD MOTORS
ALUMINUM—PLAIN

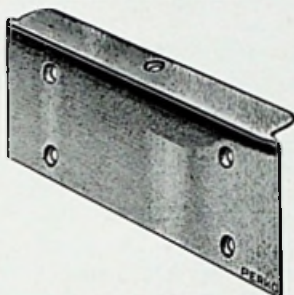


Fig. 739

Has angle flange to protect top of transom and lip on inboard side to keep motor from jumping off if clamps become loose. Large enough for O.B. motors up to 25 H.P.

Each	Dimensions of Plate Inches	Angle Flange Inches	For Screw No.	Weight Ounces
\$2.00	10 x 4	1	8	7

Standard Package, 12

Outside TRANSOM PLATES
FOR OUTBOARD MOTORS
WROUGHT ALUMINUM

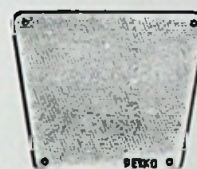


Fig. 185

Protects outside of transom. Fits all motors.

Each	Height Inches	Width Top Inches	Width Bottom Inches	For Screw No.	Weight Ounces
\$1.75	9	10 3/4	8	8	5 1/2

Standard Package, 12

Rubber TRANSOM PAD
FOR OUTBOARD MOTORS
NEOPRENE—IN VARIOUS COLORS



Fig. 172

Reduces noise and vibration.
Protects both sides of transom.
Fits all sizes and models of O.B. motors.
Colors are black, red, white, blue or green.

No.	Black Each	Other Colors Each	Extreme Width Inches	For Screw No.	Weight Pounds
1	\$3.00	\$3.30	10 3/4	8	1 1/4
2	4.35		11 1/4	8	2

Standard Package, 12*

Note—Size No. 2 Black Only, for all large motors.

Rubber TRANSOM PAD
FOR OUTBOARD MOTORS
NEOPRENE—WITH FORMICA INSERT

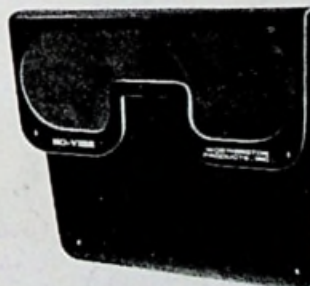


Fig. 199

Reduces noise and vibration.
Protects both sides of transom.
Fits all sizes and models of O.B. motors.

No.	Black Each	Extreme Width Inches	For Screw No.	Weight Pounds
1	\$3.95	10 3/4	8	1 1/2
2	5.00	12 3/4	8	2

Standard Package, 36*

Note—Size No. 2 for all large motors.

11/12/57
our cost
#2 1.33
all colors



Water Ski TOWING HOOKS

ALL STAINLESS STEEL HOOK
FOR MOUNTING THROUGH TRANSON

*10/17/57
N.M.G. + 1.30
rev.*

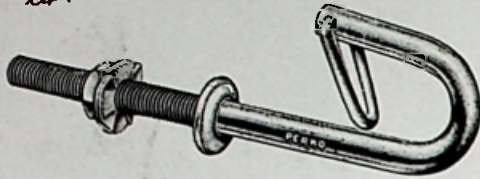


Fig. 862

For fast and full power get-away it is best to have towing line attached as low as possible to transom of boat, this hook answers that problem.

The vertical link prevents escape of line when skier is alongside.

The special washer prevents turning of hook in transom.

Each	Length Overall Inches	Length Thread Inches	Diameter Metal Inches	Packed Per Box	Weight Ounces
\$3.30	7	3 1/4	3/4	5	7

Standard Package 25

Water Ski TOWING HOOKS

CAST BRONZE

These strong hooks securely attached to the port and starboard knees are just the thing for towing skiers, aqua-planes or boats.

WITHOUT LINK



Fig. 817

Burnished Each	Chromium Plated Each	Length Overall Inches	Width Inches	For Screw No.	Packed Per Box	Weight Pounds
\$2.40	\$3.50	3	1 3/4	12	6	1/2

Standard Package, 12*

WITH LINK



Fig. 861

Link prevents tow line from jumping out. This unit also serves as a chock or hook for dock line.

Chromium Plated Each	Length Overall Inches	Width Overall Inches	For Screw No.	Packed Per Box	Weight Pounds
\$3.80	3 1/4	1 3/4	12	6	1/2

Standard Package, 12

*10/5/56
W.M.G.
1.64*

*Castings .32
Link .07
Drilling etc 18
Del. Pk. 18 35
92*

Water Ski TOWING LINES

MANILA OR POLYETHYLENE ROPE
HARDWOOD HANDLE—PAINTED YELLOW
YELLOW FLOAT ON MANILA LINE

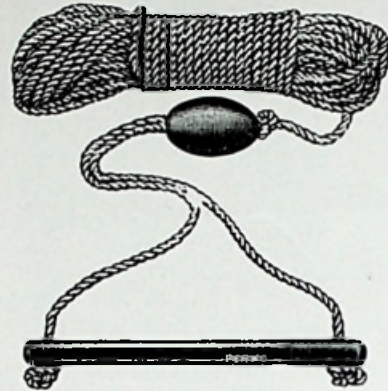


Fig. 755

MANILA LINE

Made of 3/8 inch diameter first grade with blue marker throughout, all spliced and complete with yellow float.

75 foot with single handle each \$4.90
75 foot with double handles each 5.70

POLYETHYLENE LINE

Made of 1/4 inch diameter high tenacity with one blue and two yellow strands, 900 pounds breaking strength. All spliced. No float necessary as the line floats and is very visible.

75 foot with single handle each \$7.75
75 foot with double handles each 8.85

All towing lines packed in individual polyethylene bags.
Standard Package, 12**

New Rear View MIRROR

EXTRA WIDE VISION

HIGHLY POLISHED BRASS CHROMIUM PLATED MIRROR
ZAMAK CHROMIUM PLATED STREAMLINE BASE



Fig. 406

*New Vision made type 6/6/58
Mirror 1.71
Base .59
nut .07
Sled .62
Box .05
2.44 Cost
+ 10% .98
W.M.G. -.342
Total - 8.50*

*1/17/58
WE MUST
GET
2472 net*

As water traffic increases and water skiing becomes more popular the need for a good wide vision mirror becomes greater.

Adjustable to various angles required.

Each	Length Mirror Inches	Height Mirror Inches	Height Overall Inches	Size Base Inches	Weight Ounces
\$6.00	11 3/4	2 3/4	5 1/2	6x1 1/4	14

Standard Package, 12

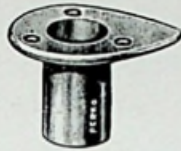
88.50



Streamline Base FLAG POLE SOCKETS
ZAMAK DIE CASTINGS—CHROMIUM PLATED

FLUSH TYPE

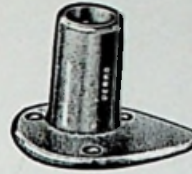
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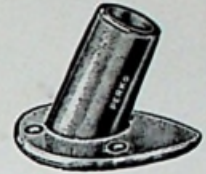
Bow
Fig. 1258



Stern
Fig. 1259



Bow
Fig. 342



Stern
Fig. 343

Fig.	Each	Inside Diam. Inches	Size Base Inches	Depth Socket Inches	Weight Ounces	Fig.	Each	Inside Diam. Inches	Size Base Inches	Height Overall Inches	Weight Ounces
1258	\$1.25	3/4	3x2 1/2	2	4 1/2	342	\$1.25	3/4	3x2 1/8	2	4 1/2
1259	1.25	3/4	3x2 1/2	2 1/2	4 1/2	343	1.25	3/4	3x2 1/2	2	4 1/2

Drilled for screw No. 6.
Packed 10 pieces per box.
Standard Package, 20*

Round Base FLAG POLE SOCKETS
GALVANIZED CAST IRON OR CAST BRONZE

FLUSH TYPE

UPRIGHT TYPE

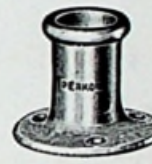


Bow
Fig. 218



Stern
Fig. 219

*w/6 - 5/16" ss
with for Stern*



Bow
Fig. 220



Stern
Fig. 221

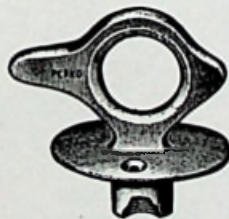
Inside Diam. Inches	Galv. Each	Polished Bronze Each	Chromium Plated Each	Diam. Flange Inches	Depth Socket Inches	Weight Ounces	Inside Diam. Inches	Polished Bronze Each	Chromium Plated Each	Diam. Base Inches	Height Inches	Weight Ounces
3/4	\$.60	\$1.85	\$2.20	2	1 1/2	4 1/2	3/4	\$2.75	\$3.40	2 1/2	1 1/4	7
1	.70	2.00	2.40	2 1/2	1 3/4	6	1	3.60	4.35	2 1/2	2	8 1/2
1 1/4	.90	2.40	2.90	2 3/4	2	10	1 1/4	4.30	5.25	2 3/4	2 1/2	11
1 1/2	1.25	3.10	3.85	3	2 1/2	16	1 1/2	4.75	5.50	3	3	16

Drilled for screw No. 8.
Packed 6 pieces per box.
Standard Package, 6*

LIFTING RINGS and KEEL PLATE
CAST BRONZE—FOR 5/8 INCH ROD

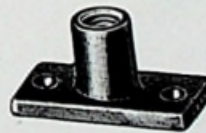


LOOSE DECK FLANGE
Fig. 412

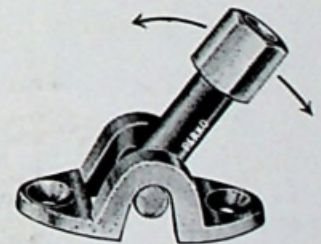


INTEGRAL DECK FLANGE
Fig. 415

Parse



KEEL PLATE
Fig. 446



KEEL PLATE
Fig. 447

Fig.	Burnished Bronze Each	Chromium Plated Each	I.D. Eye Inches	Stock in Eye Inches	Length Inches	Diam. Flange Inches	Size Flange Inches	Size Base Inches	For Screw No.	For Bolt Size	Weight Ounces
412		\$6.00	1 1/8	3/8	3 1/2	2			8		10
415		5.75	1 1/8	1/2	3 1/2				8		12 1/2
446	\$2.15						3x2 1/2				7
447	2.10							3x1 3/8 3 1/2 x 1 3/8		1/4" 1/4"	9

Standard Package, 6*



WINDSHIELD BRACKETS

CAST BRONZE

50 DEGREE ANGLE

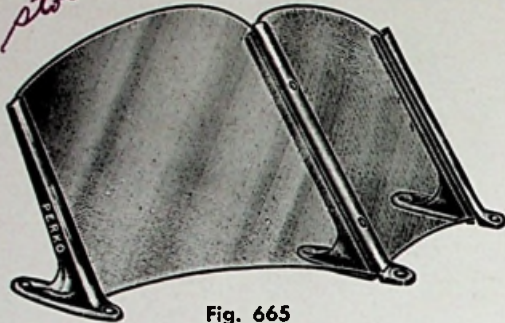


Fig. 665

Chromium Plated Per Set	Height Center Bracket Inches	Height End Brackets Inches	Length Center Base Inches	Weight Per Set Pounds
\$14.00	8 3/4	7	6	5 1/4

60 DEGREE ANGLE

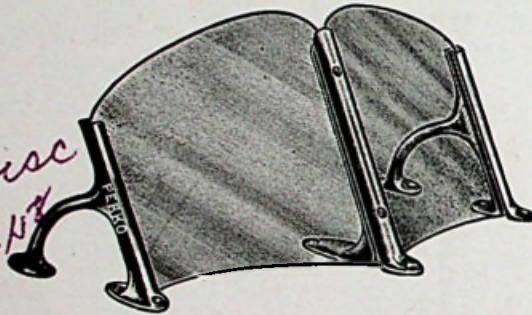


Fig. 930

Chromium Plated Per Set	Height Center Bracket Inches	Height End Brackets Inches	Length Side Base Inches	Weight Per Set Pounds
\$14.00	9 1/4	6 1/2	10	5 1/2

All above prices include rubber for brackets, no glass.
All above brackets drilled for No. 8 F.H. wood screw.
Standard Package Figs. 665, 930—3 Sets.

BOAT COVER SOCKETS

ZAMAK DIE CASTING—CHROMIUM PLATED

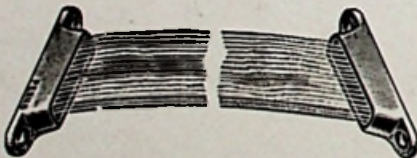


Fig. 578

An excellent item for preventing or eliminating sag in boat cover.

Sockets will accommodate a piece of wood lattice 3/8 inches thick and up to 1 1/4 inches wide. Cut the lattice a few inches longer than the boat's width to obtain a low arch under the cover.

Per Pair	Length Overall Inches	Size Opening Inches	Width Overall Inches	For Screw No.	Weight Per Pair Ounces
\$1.00	3 1/4	1 1/4 x 3/4	3/4	8	2

Standard Package, 25 Pairs
Large Package, 100 Pairs

Hand WINDSHIELD WIPERS
FOR STRAIGHT OR CURVED WINDSHIELDS
STAINLESS STEEL EXTENSIBLE ARM AND BLADE HOLDER
OTHER PARTS, BRONZE, CHROMIUM PLATED
RUSTPROOF — LEAKPROOF



No. 1
with Straight Blade



No. 2
with Curved Blade

Fig. 533

Nothing to get out of order, operates very smoothly by a flip of the wrist. The improved spring tension of the arm holds blade firmly against the glass.

The arm is extensible from 9 to 12 inches, spring tension is adjustable for best wiping pressure.

No. 1 Each	No. 2 Each	* Length Overall Inches	Diam. Shaft Inches	Length Handle Inches	Weight Ounces
\$7.10	\$7.45	15 to 18	3/8	2 3/8	8

Standard Package, 12*

*Length with 12 inch blade.

For thickness of wood up to 1 1/8 inches.

NOTE: No. 1 can be supplied with 10 inch Blade, please specify.

Spare Arm	each	\$1.50
Spare Straight Blade	each	.80
Spare Curved Blade	each	1.15

To prevent scratching Plexiglas, do not operate wiper on dry windshield.

RUBBER INSULATION for Windshields
BLACK OR WHITE



Fig. 667
For Bottom



Fig. 668
For Sides

Live moulded rubber for glass 1/4 inch thick.

Fig.	Black Per Foot	White Per Foot
667	\$.18	\$.22
668	.08	.10

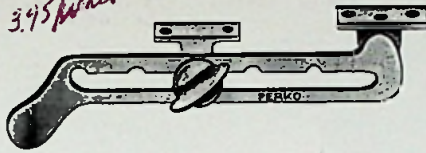
Fig. 667—Supplied only in 50 ft. lengths.

Fig. 668—Supplied in lengths of 50 feet or longer.
Standard Package, 100 Feet*



*7/24/57
Progen size
97 m/b 3.95 packet*

WINDSHIELD ADJUSTERS
CAST BRONZE



Port Side
Fig. 82

No.	Polished Bronze Per Pair	Chromium Plated Per Pair	Length Overall Inches	Length Adjustment Inches
1	\$13.50	\$16.25	6½	5
2	15.70	19.25	9	7
3	18.40	22.75	12	9½

Standard Package, 6*

NOTE—When ordering ½ pair, specify whether for port or starboard side.

“Skipper” WINDSHIELD ADJUSTER
ALL BRASS—CHROMIUM PLATED
FOR HEAVY CRUISER WINDSHIELDS

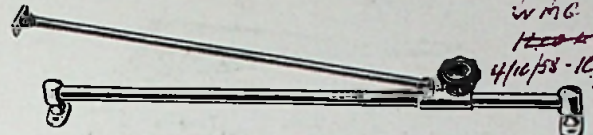


Fig. 360

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.

No.	Each	Length Overall Inches	Length Arm Inches	Length Adjustment Inches	Weight Pounds
2.	\$25.75	28	24	19	3½
1	24.50	19¾	16¾	15½	3

*18/11/58
W.M.C.
4/16/58 - 10.30 unit
blat model for lock
W.M.C.
10.50
6/12/58*

WINDSHIELD ADJUSTERS
CAST BRASS



Fig. 1116

No.	Polished Brass Each	Chromium Plated Each	Length Inches	Diam. Rod Inches	Weight Ounces
1	\$6.25	\$6.60	8	¾	11
2	6.35	6.70	10	¾	12
3	6.45	6.80	12	¾	13

Standard Package, 12*

SLIDING WINDOW HANDLE
BRASS—CHROMIUM PLATED

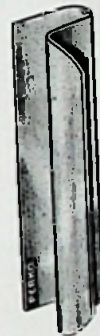


Fig. 954

For ¼ inch glass.

A useful handle made for easier operation of sliding windows.

Each	Length Inches	Weight Ounces
\$1.35	3	1

Standard Package, 50

*TSOC
3/2/52
metal - .PB
LATER - .NB
10 - PLAR - .NB
.DF*

WINDSHIELD KEEPER or HATCH FASTENER
~~CAST BRONZE~~ BRASS

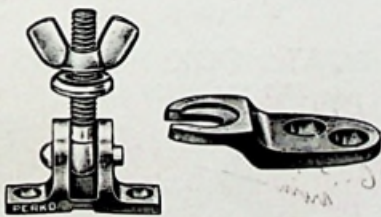


Fig. 697

Locks the windshield or hatch preventing rattles and assisting in keeping same watertight.

Polished Per Set	Chromium Plated Per Set	Base of Keeper Inches	Base of Plate Inches	Weight Ounces
\$2.40	\$4.25	1½x¾	1¼x¾	3½

Standard Package, 12 Sets*

A set consists of parts illustrated.

WOOD RAIL HINGES and LOCKS
CAST BRONZE



Fig. 122

Fig. 123

Lock has spring latch on bottom.

Fig. 122

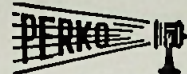
No.	Polished Bronze Each	Chromium Plated Each	Size Rail Inches	Length Inches	Weight Pounds
1	\$10.50	\$12.00	2¾x1¼	5	1½
2	10.50	12.00	2¾x1¼	3¾	1½

Fig. 123

No.	Polished Bronze Per Set	Chromium Plated Per Set	Size Rail Inches	Length Inches	Weight Pounds
1	\$11.00	\$12.50	1½x2½	5	1½
2	11.00	12.50	1¾x3	3¾	1½

Raise 1090

show us how some as fast



BOAT HOOKS

GALVANIZED MALLEABLE IRON OR BRONZE SHARP POINTS



Fig. 223

Size No.	Galvanized Each	For Diam. Pole Inches	Extreme Length Inches	Weight Ounces
0	\$1.45	1	7 $\frac{1}{4}$	8
1	1.75	1 $\frac{1}{4}$	8 $\frac{1}{4}$	12
2	2.30	1 $\frac{1}{2}$	9 $\frac{3}{4}$	16
3	4.00	2	9 $\frac{3}{4}$	28

Standard Package, 12*

BALL POINTS



Fig. 224

Size No.	Galvanized Each	Polished Bronze Each	Chromium Plated Each	For Diam. Pole Inches	Extreme Length Inches	Wt. Ozs.
3 $\frac{1}{2}$	\$1.60	\$3.75	\$4.90	1	7 $\frac{3}{4}$	9
4	2.45	4.00	5.20	1 $\frac{1}{4}$	8 $\frac{1}{4}$	12
5	2.75	5.25	6.50	1 $\frac{1}{2}$	9 $\frac{3}{4}$	18
6	4.00			2	9 $\frac{1}{2}$	28

Standard Package, 12*

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

Lightweight BOAT HOOK

ALUMINUM WHITE RUBBER GRIPS—RUBBER BUMPER

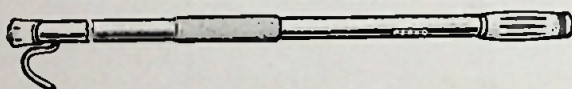


Fig. 226

This boat hook will float if dropped overboard. Has a strong wide hook for quick grab, rubber bumper for pushing.

Length Overall Feet	Each	Diameter Pole Inches	Weight Pounds
5	\$6.40	1	1 $\frac{1}{2}$
6	7.10	1	2
7	7.75	1	2 $\frac{1}{2}$

Standard Package, 12**

Special lengths made to order, price on application.

BOAT HOOK HOLDERS

SPRING BRASS

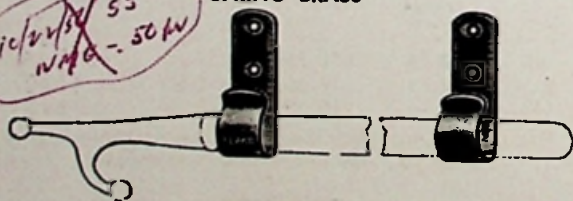


Fig. 490

Will accommodate poles up to 1 $\frac{1}{2}$ inch in diameter, and hold them firmly in place.

Chromium Plated Per Pair	Length Inches	Width Inches	For Screw No.	Packed Per Box	Weight Ounces
\$2.00	3 $\frac{1}{2}$	1	8	12 pr.	1 $\frac{1}{2}$

Standard Package, 24 pair

"Holdall" SPRING CLAMPS

SPRING BRASS—CHROMIUM PLATED

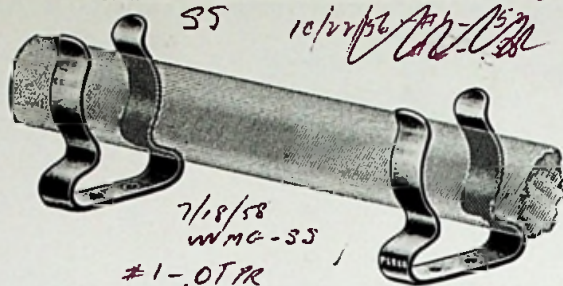


Fig. 502

A clamp having many uses aboard boats of every size and type. Also serves around the home, club, store or factory.

Excellent for stowing fishing rods, boat hooks, oars, swab, broom, flashlight, flagstaff, pump, etc.

Produced in two general sizes but both can be adjusted to tightly clamp objects of various sizes.

No.	Chromium Plated Per Pair	Adjustability Inches	Length From Wall Inches	Width of Metal Inches	For Screw No.	Weight Per Pair Ounces
1	\$1.30	$\frac{3}{4}$ to 1 $\frac{1}{4}$	1 $\frac{1}{2}$	$\frac{1}{2}$	6	2
2	1.60	1 to 1 $\frac{1}{4}$	2 $\frac{1}{4}$	$\frac{3}{8}$	6	2 $\frac{1}{2}$

Standard Package, 25 pair*

RING BUOY HOLDERS

CAST BRONZE



Fig. 1017

Burnished Bronze Each	Polished Bronze Each	Chromium Plated Each	Width Mounting Plate Inches	Hgt. Overall Inches	For Screw No.	Wt. Lbs.
\$2.00	\$3.50	\$4.45	3	4 $\frac{1}{2}$	8	$\frac{1}{2}$

Standard Package, 12*

BOAT HOOK HOLDERS

18-8 STAINLESS STEEL

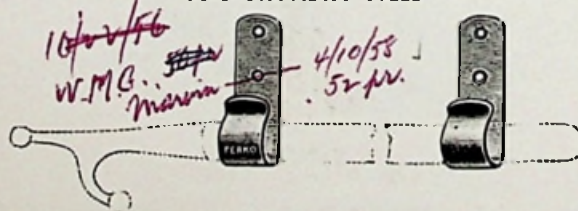


Fig. 492

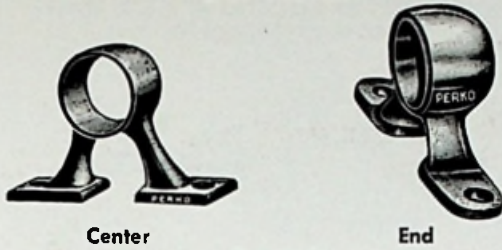
Will accommodate poles up to 1 $\frac{1}{2}$ inch in diameter, and hold them firmly in place.

Per Pair	Length Inches	Width Inches	For Screw No.	Packed Per Box	Weight Ounces
\$1.60	3 $\frac{1}{2}$	1	8	12 pr.	1 $\frac{1}{2}$

Standard Package, 24 Pair



HAND RAIL SOCKETS
CAST BRONZE



Center

End

Fig. 215

No.	Polished Bronze Each	Chromium Plated Each	For Diam. Rail Inches	Height Overall Inches	Size of Base Inches	Weight Ounces
1	\$3.00	\$4.00	1	1 1/4	3 1/2 x 3/8	5
2	3.50	4.50	1 1/4	2	3 3/4 x 3/4	9

Standard Package, 6*
Please specify whether center or end and size.
Drilled for No. 10 screw.

GRAB RAIL POSTS
CAST BRONZE—HOLLOW

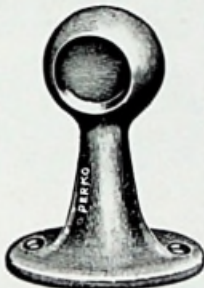


Fig. 380

No.	Polished Bronze Each	Chromium Plated Each	Diam. Base Inches	Height Overall Inches	Diam. Hole Inches	Weight Each Pounds
1	\$3.45	\$4.50	2 1/2	3 3/8	1 or 1 1/8	3/8
2	6.00	7.50	3	3 1/2	1 1/4	1 1/4

Standard Package, 6*
Specify whether for center or end, also diameter of hole for No. 1 size. Drilled for No. 10 screw.

STANCHION POSTS
GALVANIZED CAST IRON OR BRONZE



Fig. 614—For End
Fig. 615—For Center

Size No.	Galv. Each	Polished Bronze Each	Chromium Plated Each	Extreme Height of Post Inches	Diam. Base Inches	Bored For
1	\$.65	\$2.00	\$2.80	2	1 3/8	3/8" Rod
1 1/2	.65	2.00	2.80	2	1 5/8	1/2" Pipe
2	.65	2.30	3.20	2 1/2	1 3/8	3/8" Rod
2 1/2		2.30	3.20	2 1/2	1 3/8	1/2" Pipe

Standard Package, 12*
Galvanized No. 2 centers only.
Drilled for No. 8 screw.

Streamline GRAB RAIL POSTS
CAST BRONZE

Notice that the tubing does not pass through the post but fits snug over an integral projecting part of post, hence, the post and tubing when assembled provides a smooth streamline unit. No unsightly bulges.

FOR 5/8 INCH O.D. TUBING—22 B & S GAUGE

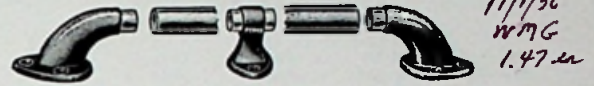


Fig. 432

Chromium Plated Each	Height Overall Inches	Dimensions Base Inches	For Screw No.	Weight Each Ounces	Packed Per Box
\$3.75	1 1/8	2 1/8 x 1 1/8	6	5	6

Standard Package, 12 Ends or 6 Centers.
Please specify whether center or end required.

FOR 1 INCH O.D. TUBING—20 B & S GAUGE



Fig. 413

Chromium Plated Each	Height Overall Inches	Dimensions Base Inches	For Screw No.	Weight Each Ounces	Packed Per Box
\$5.25	2 1/4	3x2	8	10	6

Standard Package, 12 Ends or 6 Centers.
Please specify whether center or end required.

BRASS TUBING FOR ABOVE

Outside Diameter Inches	Chromium Plated Per Foot
3/8	\$2.10
1	2.75

Standard Package, 6 — 6 Foot Lengths.
Not supplied in lengths longer than 6 feet.
Price applies to each foot or any fraction thereof.

GRAB RAILS

CAST BRONZE POSTS—BRASS TUBING

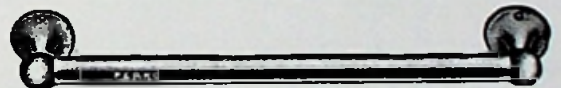


Fig. 379

Length Between Posts Inches	Diameter of Tubing			
	1 Inch		1 1/8 Inch	
	Polished Bronze Each	Chromium Plated Each	Polished Bronze Each	Chromium Plated Each
6	\$8.15	\$10.25	\$8.65	\$10.75
12	8.65	11.50	9.20	11.50
18	9.50	12.50	10.25	12.85

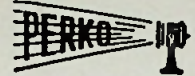
NOTE—Lengths longer than those listed above are made to order only and are not returnable.

Longer Lengths

Add per foot or fraction thereof.

Polished Brass	Chromium Plated
\$1.95	\$2.55

Posts only, end or center, see Fig. 380.
Not supplied in lengths longer than 6 feet.



Regular DECK PLATES
CAST BRONZE—WITH KEY



Fig. 526

Diam. Opening Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Keys Only Each	Outside Diam. Plate Inches	Weight Pounds
1	\$ 2.30	\$ 3.90	\$.30	2½	½
1½	3.40	5.00	.35	3¼	¾
2	4.10	6.25	.35	3¾	¾
2½	5.25	7.50	.65	4½	1
3	6.20	8.50	.65	4¾	1½
3½	8.00	10.50	.70	5½	1¾
4	9.60	12.75	.70	5¾	2
5	14.85	19.00	.85	7¼	2½
6	17.20	23.00	1.55	8¾	5
8	41.50	56.00	2.20	10¼	7

Standard Package, Up To 3 Inch Size, 12*

Standard Package, 3½ Inch and Larger, 6*

Caps only, price is 50% of complete plate.

Pipe DECK PLATES

CAST BRONZE—WITH KEY—I. P. S. THREAD



Fig. 528

Words, "water," "gas," "oil" or "fuel" ^{SHOWN} marked in flange of all sizes except ¾ inch when specified, otherwise unmarked deck plates are supplied.

Note, markings are in flange instead of cap. This is an obvious advantage as plate is identified when cap is removed.

Pipe Size Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Keys Only Each	Outside Diam. Plate Inches	Weight Pounds
¾	\$ 2.85	\$ 3.80	\$.25	2½	½
1	3.25	4.35	.30	2¾	¾
1¼	4.00	5.40	.30	3¼	¾
1½	4.75	6.30	.30	3¾	1
2	6.00	7.50	.45	4¼	1½
2½	7.70	8.75	.45	4¾	2
3	10.75	11.20	.55	5¾	2½

Standard Package, 12*

Caps only, price is 50% of complete plate.

THRU-DECK FAIRLEADERS

BRONZE



Fig. 891

Size No.	Bright Finish Each	Inside Hole Inches	Outside Flange Inches	Diam. For Screw No.	Weight Per Ounces	Packed Per Box
1	\$.45	¾	1¼	6	¾	12
2	.55	½	1½	6	1½	12

Standard Package, 12*

DECK PLATE KEY

CAST BRONZE—BURNISHED
ADJUSTABLE TO ALL SIZES OF DECK PLATES
IMPROVED UNBREAKABLE PINS

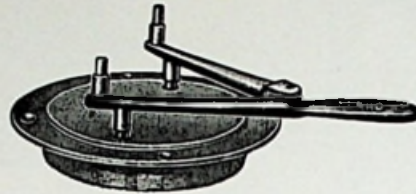


Fig. 826

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

Each	Length Overall Inches	Weight Pounds
\$2.40	8½	1

Standard Package, 12

GAS TANK CAPS

WITH DECK FLANGE AND 15 INCHES OF CHAIN
ZAMAK DIE CASTINGS—CHROMIUM PLATED

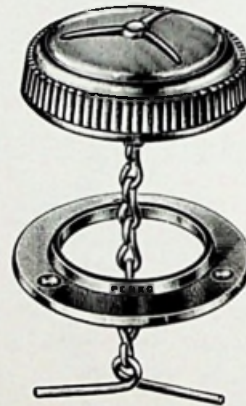


Fig. 1245

Each	Threaded for Pipe Inches	Height Overall Inches	Diam. Deck Flange Inches	For Screw No.	Weight Ounces	Packed Per Box
\$3.75	1½	1¾	3¾	7	9½	5

Standard Package, 15

CAST BRONZE—CHROMIUM PLATED

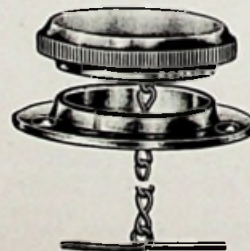


Fig. 520

No.	Each	Threaded for Pipe Inches	Height Overall Inches	Diam. Deck Flange Inches	For Screw No.	Weight Pounds
1	\$7.00	1½	1¾	3¾	8	1
2	7.75	2	1¾	4	8	1½

Standard Package, 12*

Raise



Tiller ROPE GUIDES
BRONZE

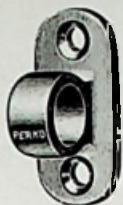


Fig. 359

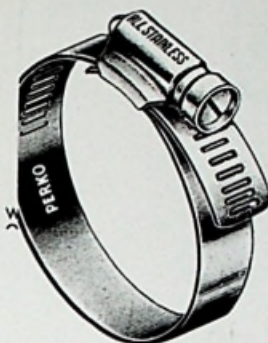
Chromium Size Base
Size Base

Fig. 5200

18-8 STAINLESS STEEL BAND AND HOUSING WITH CADMIUM PLATED SCREW.

"Hy-Gear" Marine HOSE CLAMPS

BAND—NO RIVETS—NO WELDS



HIGH POWER — Gear-drive principle assures positive, leak-proof seal under all conditions.

Fig. 6400

100% ALL 18-8 STAINLESS STEEL BAND. HOUSING AND SCREW.

Fig. 5200			Fits Hose		Clamp Diameter		Box Quantity	Weight Per 100 in Pounds	Fig. 6400	
Part Number	Price Per 100		I. D. From	Inches To	Min.	Max.			Part Number	Price Per 100
*5210	\$32.00		3/8	3/8	3/8	1 1/8	10	6	*6410	\$45.00
5212	33.00		5/8	3/4	1 1/8	1 1/4	10	6	6412	46.00
5216	33.00		3/4	1	1 3/8	1 1/2	10	7	6416	46.00
*5220	34.00		1	1 1/4	1 3/8	1 3/4	10	7	*6420	47.00
*5228	35.00		1 1/4	1 3/4	1 3/8	2 1/4	10	8	*6428	49.00
*5236	37.00		1 3/4	2 1/4	1 3/8	2 3/4	10	9	*6436	51.00
5244	40.00		2 1/4	2 3/4	2 3/8	3 1/4	10	9	6444	54.00
5252	43.00		3	3 1/4	2 3/8	3 3/4	50	11	6452	57.00
5256	43.00		3 1/4	3 1/2	3 3/8	4	50	11	6456	57.00
5264	46.00		3 1/2	4	3 3/8	4 1/2	50	12	6464	61.00

*The most popular stock sizes.

Standard Package, 300**

Large Package, 1000**

Universal Marine HOSE CLAMPS

ALL 18-8 STAINLESS STEEL OR ELECTRO GALVANIZED STEEL WITH ZINC PLATED SCREW

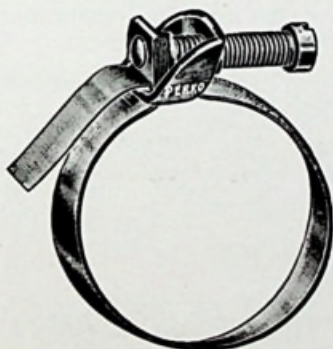


Fig. 499

INSTANTLY ADJUSTABLE FOR ANY SIZE HOSE UP TO 6 INCH

These two sizes do the job of eight or more sizes necessary when ordinary hose clamps are used.

These may be used for larger sizes of hose by joining two or more clamps together, used in this way the size range is practically unlimited.

No.	Stainless Steel Each	Electro Galvanized Each	Length Open Inches	Width Strap Inches	Box Quantity	Weight Ounces
1	\$.55	\$.14	12	1/2	50	1 1/2
2	.70		18	1/2	50	2

Standard Package, 300**

Size No. 1 shipped unless otherwise specified.

"STOCKIT"

STAINLESS STEEL "HY-GEAR" HOSE CLAMPS IN COUNTER DISPLAY



Fig. 5200-S

Fig. 6400-S

A combination display and stock holder of permanent steel construction, clear plastic bins, stocked with 100 clamps in the four most popular sizes.

Fig. 5200-S Contents		Fig. 6400-S Contents	
20	# 5210	20	# 6410
20	# 5220	20	# 6420
40	# 5228	40	# 6428
20	# 5236	20	# 6436
Complete — \$35.00		Complete — \$49.75	



Nylon Covered TILLER ROPE

7x8 AIRCRAFT CABLE — VERY FLEXIBLE



Fig. 760

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

Outside Diameter Inches	Per 100 Feet	Core Diameter Inches	Breaking Strength Pounds	Weight Per 100 ft. Pounds
3/32	\$18.00 <i>16.50</i>	3/32	1000	1.6
1/16	23.50 <i>22.00</i>	3/32	1000	3.6

Supplied in 250 foot reels or counter display cartons of 10-35 foot coils per carton.
Standard Package, 1000 to 4999 Feet**
Large Package, 5000 or more Feet*

Vinyl Covered TILLER ROPE

Same appearance and construction as Fig. 760 above but with blue transparent polyvinyl plastic covering. High quality.

Fig. 857

Outside Diameter Inches	Per 100 Feet	Core Diameter Inches	Breaking Strength Pounds	Weight Per 100 Ft. Pounds
3/16	\$13.00 <i>12.00</i>	3/32	1000	2.6

Supplied in 250 foot reels or counter display cartons of 10-35 foot coils per carton.
Standard Package, 1000 to 4999 Feet**
Large Package, 5000 or more Feet*

Braided TILLER ROPE

MAHOGANY COLOR—BRONZE WIRE CENTER



Fig. 761

No.	Outside Diam. Inches	Per 100 Feet
6	3/16	\$11.80
8	1/4	15.30
10	3/8	17.50
12	1/2	20.00

NOTE—Size Nos. 6 and 8 only in 500 foot coils.
Larger sizes in 250 foot coils.
Standard Package, 1000 ft.**

Tiller Rope CLAMPS

GALVANIZED IRON AND CAST BRONZE



Fig. 358

For Rope Diameter Inches	Galv. Each	Plain Bronze Each	Width Inches	Length Inches	Packed Per Box	Weight Ounces
1/8	\$.30	\$.40	3/4	1 1/2	20	1 1/4
3/16	.33	.44	3/4	1 3/4	20	2
1/4	.40	.58	1	1 3/4	20	3
3/8	.54	.70	1	2	10	3 1/2
1/2	.84	1.55	1 1/2	2 1/2	10	5

Standard Package, 20*

DECK PLATE KEY

CAST BRONZE—BURNISHED
ADJUSTABLE TO ALL SIZES OF DECK PLATES
IMPROVED UNBREAKABLE PINS

For use at all times

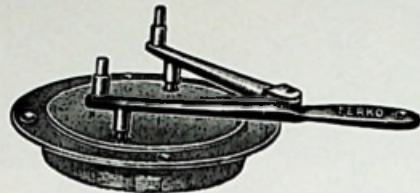


Fig. 800
Maximum pull 80 pounds

LONG TYPE

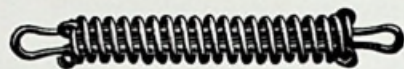


Fig. 754

Maximum pull 100 pounds

Fig.	Steel Each	All Brass Each	Normal Length Inches	Length Compressed Inches	Outside Diameter Inches	Weight Ounces
732	\$.42	\$.85	4	5	1 1/16	4 1/2
754	.42		5 3/4	7 3/4	3/4	5

Packed per box 25 pieces.
Standard Package, 250*
Large Package, 500*

Dock Line SPRINGS

STEEL—ZINC PLATED

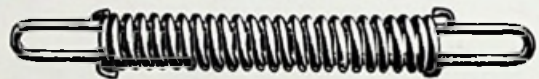


Fig. 759

A very strong compression spring for dock and mooring lines. It cushions the strain and contributes greatly to the life of the line.

Size No. 1 will accommodate 1/2 inch diameter rope, No. 2 for 3/4 inch rope.

No.	Each	Length Overall Inches	Diameter Spring Inches	Diameter Metal Inches	Compression Inches	Weight Pounds
1	\$1.50	10	1 1/2	3/8	4 1/2	7/8
2	4.00	18	2	1/2	8	2 1/4

Standard Package, 12*

Tiller Rope CLAMPS

ZAMAK DIE CASTINGS



Fig. 1226

For Rope Diam. Inches	Natural Finish Each	Chromium Plated Each	Length Inches	Width Inches	Weight Ounces
1/8	\$.30	\$.45	1 1/8	3/8	3/4
3/16	.35	.50	1 1/4	1/2	1
1/4	.46	.65	1 1/2	3/4	1 1/4

Packed per box 50 pieces.

Standard Package, 100 pieces*

3/16" Size Only - Large Pkg. - 500 Pcs* 50/10



Tiller ROPE GUIDES
BRONZE



Fig. 359

No.	Burnished Bronze Each	Chromium Plated Each	Size Hole Inches	Size Base Inches	Weight Ounces
1	\$.45	\$.95	3/8	1 1/8 x 3/4	3/4
2	.50	1.00	1/2	1 1/2 x 3/4	1 1/2
3	.65	1.25	5/8	1 3/4 x 1 1/4	2

Standard Package, 50**

Packed per box, No. 1—50, No. 2—25, No. 3—10 pcs.
No. 1 size is forged bronze. All sizes for No. 6 screw.

Tiller ROPE GUIDES
ZAMAK DIE CASTING—CHROMIUM PLATED



Fig. 1256

Chromium Plated Each	Size Hole Inches	Size Base Inches	For Screw No.	Weight Ounces	Packed Per Box
\$.50	3/16	1 1/2 x 3/4	6	1/2	50

Standard Package, 50

Tiller ROPE GUIDES
ZAMAK DIE CASTING—CHROMIUM PLATED



Fig. 1243

Chromium Plated Each	For Diam. Rope Inches	Size Base Inches	For Screw No.	Weight Ounces	Packed Per Box
\$1.10	1/4	2 x 3/4	8	1 3/4	10

Standard Package, 50

Tiller ROPE GUIDES
FORGED BRONZE



Upright
Fig. 593

Fig.	Dull Bronze Each	Polished Bronze Each	Chromium Plated Each	For Diam. Rope Inches	Size Base Inches	Wt. Ozs.
593	\$1.25	\$1.60	\$1.90	1/4	1 3/8 x 1 1/8	2 1/4
594	1.20	1.55	1.85	1/4	2 1/8 x 3/8	2 1/4

Standard Package, 20*

Drilled for No. 8 screw—Packed 10 pieces per box.



Side
Fig. 594

Tiller ROPE GUIDES
GALVANIZED CAST IRON OR BRONZE
OVAL PLATE



Fig. 599

No.	Galv. Iron Each	Plain Bronze Each	Chromium Plated Each	Size Hole Inches	Size Base Inches
1	\$.25	\$.45	\$.95	3/8	1 1/4 x 3/4
2	.30	.50	1.00	1/2	1 1/2 x 3/4
3	.35	.65	1.25	5/8	1 3/4 x 1 1/4

Standard Package, 50**

Packed per box, No. 1—50, No. 2—25, No. 3—10 pcs.
No. 1 size is forged bronze. All sizes for No. 6 screw.

Tiller ROPE GUIDES
ZAMAK DIE CASTING—CHROMIUM PLATED



Fig. 1261

Chromium Plated Each	Size Hole Inches	Size Base Inches	For Screw No.	Weight Ounces	Packed Per Box
\$.50	3/16	1 1/2 x 3/4	6	1/2	50

Standard Package, 50

Tiller ROPE GUIDES
BRASS SPRING WIRE



Fig. 229



Fig. 932

Brass Each	Chromium Plated Each	Brass Each	Chromium Plated Each	Size Hole Inches	Length Inches	Weight Ounces
\$.12	\$.18	\$.12	\$.18	3/8	1 3/8	1/2

Standard Package, 250††

Large Package, 1000††

Packed per box, 50 pieces.

Tiller ROPE GUIDES
GALVANIZED CAST IRON
OR BRONZE



Fig. 102
Sizes No. 1 and 2



Fig. 102
Size No. 3

No.	Galv. Iron Each	Burnished Bronze Each	Chromium Plated Each	For Diam. Rope Inches	Size Base Inches	Weight Ounces
1	\$.45	\$.80	\$1.50	1/4	1 3/8 x 3/8	2 1/4
2	.55	.85	1.50	3/8	2 x 1 1/8	4
3	.80	1.20	2.70	3/8	1 3/4 diam.	5

Standard Package, 20*

Packed per box, Nos. 1 and 2—10, No. 3—5 pieces.



TILLER ROPE PULLEYS

WITH WHITE OR BLACK NYLON SHEAVE—1½ INCH DIAMETER SCORE
FOR TILLER ROPE UP TO 5/16 INCH DIAMETER

**POLISHED STAINLESS STEEL BODY
WITH CHROMIUM PLATED ZAMAK EYE AND STRAP
SWIVEL TYPE**



Fig. 629

Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Weight Ounces	Packed Per Box
\$1.25	3 3/8	1 3/4	1 1/8	1 1/2	25

Without strap, deduct \$.20 each.

**ZAMAK DIE CAST BODY, EYE AND STRAP
ALL CHROMIUM PLATED—SWIVEL TYPE**



Fig. 1241

Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Weight Ounces	Packed Per Box
\$1.50	3 3/4	1 3/4	1 1/4	3	25

Without strap, deduct \$.20 each.

**POLISHED STAINLESS STEEL BODY
CHROMIUM PLATED ZAMAK STRAP
SWINGING—NON-SWIVEL TYPE**



Fig. 551

Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Weight Ounces	Packed Per Box
\$.85	2 1/2	1 3/4	1 3/8	1 1/2	25

2/19/58
W M G
30 ea net

**HEAVY DUTY
FORGED BRONZE BODY, EYE AND STRAP
NATURAL FINISH—SWIVEL TYPE**

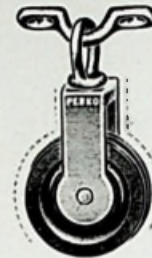


Fig. 585

To take the strain of racing and large horsepower motors. Patented swivel will not jam.

Plain Bronze Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Weight Ounces	Packed Per Box
\$1.85	3 3/4	1 3/4	1 1/4	4	25

Without strap, deduct \$.25 each.

**SWIVEL SNAP TYPE
FOR ATTACHING TO MOTOR**



Length Overall Inches	Snap Throat Opening Inches	Diam. Sheave Overall Inches	Weight Ounces	Packed Per Box
4 1/4	1/2	1 3/4	3 1/2	25

Fig. 611 — \$1.60 each

Has polished stainless steel body with chromium plated Zamak die cast snap tested to 630 pounds.

Fig. 1288 — \$1.80 each

Has chromium plated Zamak die cast body and snap tested to 630 pounds.

Fig. 616 — \$2.15 each

Has heavy wrought brass body and cast bronze snap. Burnished finish.

Standard Package, entire page 100*

Large Package, entire page 500*

NOTE—IF COLOR OF SHEAVE IS NOT SPECIFIED WE WILL SHIP WHICHEVER IS AVAILABLE.

3/8/58
STRAP - NFI
EYE - NFI
BODY - NFI
WASHER - NFI
SHEAVE - NFI
RIVET - NFI
CARTON - NFI
LABEL - NFI
F A L B -
+ 7N76 UP AL
F A L B

7/9/57
W.M.G.
FAT

9/22/58

52
5/10/57

**O.B.C. Recommended Size
TILLER ROPE PULLEYS**

WITH WHITE NYLON SHEAVE
2 INCH DIAMETER SCORE—UP TO 5/16 INCH ROPE
CHROMIUM PLATED ZAMAK DIE CASTINGS
SWIVEL TYPE—WITH STRAP

Body 35.00
SHEAVE 6.90
STRAP 4.50
46.40 Cost
+40% 4
18.56
W.M.G. 64.96



Fig. 1277

Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Weight Ounces	Length Strap Inches	Packed Per Box
\$1.80	4	2 3/4	3	1 3/4	25

Without strap, deduct \$.20 each.

SWIVEL TYPE—WITH SNAP

SNAP IN BODY 54.00
SHEAVE 6.90
60.90
24.36
W.M.G. 85.26



Fig. 1287

Complete Each	Length Overall Inches	Snap Throat Opening Inches	Diam. Sheave Overall Inches	Weight Ounces	Packed Per Box
\$2.40	5	1/2	2 3/4	4	25

Snap tested to 630 pounds.

Economy TILLER ROPE PULLEY

FORGED BRONZE BODY AND STRAP
IMPACT TESTED PLASTIC SHEAVE



Fig. 579

Natural Bronze Each	Length Pulley Inches	Size Sheave Inches	Length Strap Inches	Diam. Rope Inches	Weight Ounces	Packed Per Box
\$1.10	1 3/8	1 1/2 x 3/8	1 3/8	1/4	1 1/4	25

Without strap, deduct \$.20 each.

Standard Package Figs. 579, 1277, 1287, 250*

Large Package, Figs. 579, 1277, 1287, 1000*

COAMING or THRU-DECK PULLEYS

CAST BRONZE
BLACK OR WHITE NYLON SHEAVE

W.M.G. 7/3/58
Chrome - .11
Chromium Plated Each .38
2.11
59



Fig. 617

Dimensions Of Plate Inches	Diam. Sheave Inches	For Diameter Rope Inches	For Screw No.	Weight In Bronze Ounces	Packed Per Box
3 3/4 x 1 3/4	1 3/4	1/4 or 3/8	8	4	25

Standard Package, 12*

EYE STRAPS

ZAMAK DIE CASTING—CHROMIUM PLATED



Fig. 1242

Chromium Plated Each	Length Inches	Size Eye Inches	Stock in Eye Inches	For Screw No.	Weight Ounces	Packed Per Box
\$.20	1 3/4	3/8	1/4	8	1/4	50

Standard Package, 250*

Large Package, 1000*

EYE STRAPS

FORGED BRONZE



Fig. 881

No.	Natural Bronze Each	Chromium Plated Each	Length Inches	Size Eye Inches	Stock in Eye Inches	For Screw No.	Wt. Ozs.
0	\$.25	\$.50	1 3/8	3/8	1/4	8	1/2
1	.40	.65	2 1/4	3/8	3/8	10	3/4
2	.45	.85	2 3/4	1/2	3/8	10	1 1/2

Standard Package, No. 0 only, 250*

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

DECK STRAPS

CAST BRONZE



Fig. 882

No.	Burnished Bronze Each	Polished Bronze Each	Chromium Plated Each	Length Inches	Size Eye Inches	Stock in Eye Inches	Wt. Ozs.
1	\$.80	\$1.30	\$1.60	3 1/2	1/2	3/8	1 1/2
2	1.00	1.80	2.20	4 1/4	3/8	3/8	2 1/2

Standard Package, 1 box*

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

Drilled for No. 8 screw.

FLANGE EYES

CAST BRONZE



Fig. 877

Size No.	Plain Bronze Each	Polished Bronze Each	Polished Chromium Plated Each	Size Opening Inches	Size Base Inches	Weight Ounces
1	\$.35	\$.70	\$.95	3/8	2 1/2 x 1 3/8	1
2	.65	1.10	1.35	3/4	2 1/4 x 1 3/8	2

Standard Package, 12*

NOTE—IF COLOR OF SHEAVE IS NOT SPECIFIED WE WILL SHIP WHICHEVER IS AVAILABLE.

Fast Eye BLOCKS

GALVANIZED MALLEABLE IRON OR BRONZE SINGLE

Without Becket

With Becket Galv. Only



Fig. 43



Fig. 54

Size No.	Galv. Each Fig. 43	Galv. Each Fig. 54	Plain Bronze Each Fig. 43	For Diam. Rope Inches	Size Sheaves Inches	Weight Pounds Each
1	\$.32	\$.40	\$.55	3/16	3/4 x 3/16	3/32
3	.43	.55	.70	1/4	1 x 3/8	3/16
5	.54	.65	1.30	3/8	1 3/8 x 3/8	1/4
7	.70	.95	1.45	3/8	1 1/2 x 1/2	3/8
9	.95	1.30	2.00	3/8	1 3/4 x 3/8	1/2
11	1.35	1.65	2.40	1/2	2 x 3/8	3/8
13	2.20	3.35		3/4	2 1/2 x 3/4	1 1/8
15	3.35	4.95		3/4	3 x 3/4	1 3/8

NOTE—Blocks with becket supplied only in galvanized.

Swivel Eye BLOCKS

GALVANIZED MALLEABLE IRON OR BRONZE

Single



Fig. 100

Size No.	For Diam. Rope Inches	Length Shell Inches	Diameter Sheave Inches	Weight Per Doz. in Lbs.
0				
1	3/16	1	1/2	1/2
3	3/16	1 1/4	3/4	1 1/4
5	1/4	1 3/4	1	2
7	3/8	2	1 3/8	2 3/8
		2 1/4	1 1/2	4 3/8

Size No.	Galvanized Iron Each	Plain Bronze Each
0	\$.40	\$1.40
1	.50	1.45
3	.68	1.90
5	1.00	2.30
7	1.15	2.65

Fast Eye BLOCKS

GALVANIZED MALLEABLE IRON OR BRONZE DOUBLE

Without Becket

With Becket Galv. Only



Fig. 51



Fig. 55

Size No.	Galv. Each Fig. 51	Galv. Each Fig. 55	Plain Bronze Each Fig. 51	For Diam. Rope Inches	Size Sheaves Inches	Weight Pounds Each
2	\$.55	\$.65	\$1.40	3/16	3/4 x 3/16	3/16
4	.70	.95	1.50	1/4	1 x 3/8	1/4
6	1.00	1.30	2.75	3/8	1 3/8 x 3/8	3/8
8	1.25	1.40	3.45	3/8	1 1/2 x 1/2	3/8
10	1.45	1.85		3/8	1 3/4 x 3/8	3/4
12	1.95	3.10		1/2	2 x 3/8	1 1/4
14	3.45	5.50		3/4	2 1/2 x 3/4	2 3/8
16	7.00	8.10		3/4	3 x 3/4	2 3/4

NOTE—Blocks with becket supplied only in galvanized.

Swivel Eye BLOCKS

GALVANIZED MALLEABLE IRON OR BRONZE

Double

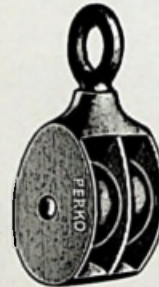


Fig. 101

Size No.	For Diam. Rope Inches	Length Shell Inches	Diameter Sheave Inches	Weight Per Doz. in Lbs.
00				
2	3/16	1	1/2	1 1/8
4	3/16	1 1/4	3/4	2 1/4
6	1/4	1 3/4	1	3 3/8
8	3/8	2	1 3/8	4 1/2
		2 1/4	1 1/2	7

Size No.	Galvanized Iron Each	Plain Bronze Each
00	\$.90	\$1.90
2	.95	2.10
4	1.20	2.65
6	1.45	5.35
8	2.50	7.00



Loose Hook BLOCKS
GALVANIZED MALLEABLE IRON BODY
FORGED STEEL HOOKS

SINGLE
Without Becket With Becket

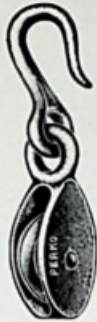


Fig. 52



Fig. 56

Size No.	Galv. Each Fig. 52	Galv. Each Fig. 56	Length of Shell Inches	For Diameter Rope Inches	Weight Each Pounds
1	\$2.30	\$2.50	1½	¾	¾
3	2.45	2.60	1¾	¾	¾
5	2.50	2.75	2	¾	¾
7	2.80	3.20	2¾	¾	¾
9	3.85	4.05	3	¾	¾
11	4.95	5.50	3¼	¾	1
13	6.40	7.00	4	¾	2¼
15	9.30	10.00	4¾	¾	2½

Size of Sheave same as Fig. 43.

Loose Hook BLOCKS
GALVANIZED MALLEABLE IRON
DOUBLE

Without Becket With Becket



Fig. 53



Fig. 58

Size No.	Galv. Each Fig. 53	Galv. Each Fig. 58	Length of Shell Inches	For Diameter Rope Inches	Weight Pounds Each
2	\$2.60	\$2.75	1½	¾	¼
4	2.95	3.20	1¾	¾	¾
6	3.25	3.65	2	¾	¾
8	3.70	3.85	2¾	¾	¾
10	4.80	5.20	3	¾	1
12	6.40	6.65	3¼	¾	1½
14	8.70	9.00	4	¾	2½
16	12.20	12.75	4¾	¾	3¼

Size of Sheave same as Fig. 51.

BLOCKS on Plates
MALLEABLE IRON OR BRONZE



Fig. 107

Size No.	Cadmium Plated Each	Plain Bronze Each	For Diam. Rope Inches	Style Block	Weight Per 100 in lbs.
3	\$1.45	\$3.45	¼	Swivel Eye	31
5	1.55	4.10	¾	Swivel Eye	47
7	1.75	4.95	¾	Swivel Eye	75
9	3.35		¾	Fast Eye	100

DECK BLOCKS
OPEN PATTERN
GALVANIZED IRON OR BRONZE
SINGLE

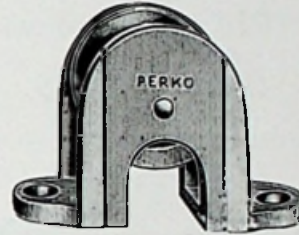


Fig. 87

Size No.	Mall. Iron Each	Cast Iron Each	Plain Bronze Each	For Diam. Rope Inches	Size of Sheave Inches	Weight Pounds
0	\$.57	\$.52	\$1.25	¾	1½ x ¾	¾
1	.88	.58	1.75	¾	1½ x ½	¾
3	1.60	1.10	3.25	½	2 x ¾	1¾
5	2.90	2.20	5.10	¾	2½ x ¾	1¾
7	4.50	3.50	6.40	¾	3 x ¾	2¾

Cast iron furnished unless otherwise specified.

DECK BLOCKS
OPEN PATTERN
GALVANIZED IRON OR BRONZE
DOUBLE

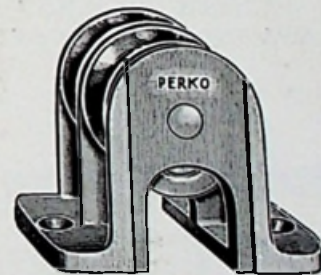


Fig. 88

Size No.	Mall. Iron Each	Cast Iron Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheave Inches
2	\$1.55	\$1.05	\$2.85	¾	1½ x ½
4	2.90	2.20	5.25	½	2 x ¾
6	4.65	4.05		¾	2½ x ¾
8	6.95	5.50		¾	3 x ¾

Cast iron furnished unless otherwise specified.



DECK BLOCKS

FOR WIRE ROPE
GALVANIZED MALLEABLE IRON OR BRONZE

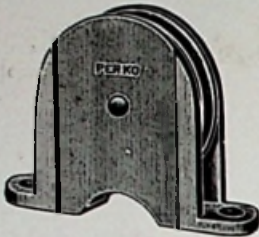


Fig. 139

Size No.	Galv. Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
1	\$1.60	\$2.75	1/4	2 x 1/8	3/8
2	2.75	5.15	3/8	3 x 3/8	1 3/8
3	4.50	9.65	1/2	4 x 1/2	3
3 1/2	8.75		5/8	4 1/2 x 3/8	4 1/4
4	9.50		3/4	5 x 3/4	5 1/4
5	12.40		7/8	6 x 1	8 1/2

Standard Package, 6*

Wire Rope PULLEYS

GALVANIZED MALLEABLE IRON OR BRONZE
UPRIGHT PATTERN



Fig. 279
SINGLE

Size No.	Galv. Each	Plain Bronze Each	For Rope Inches	Size Sheave Inches	Weight Pounds
10	\$2.35	\$4.40	3/8	2 1/2 x 3/8	3/4
20	2.80	5.25	1/4	3 1/4 x 1/2	1 1/2
30	4.15	9.50	3/8-3/4	4 1/2 x 3/8	2 1/2

Fig. 280
DOUBLE

Size No.	Galv. Each	Plain Bronze Each	For Rope Inches	Size Sheave Inches	Weight Pounds
110	\$3.50	\$6.45	3/8	2 1/2 x 3/8	1 1/8
120	3.95	8.30	1/4	3 1/4 x 1/2	2
130	6.65	15.30	3/8-3/4	4 1/2 x 3/8	4 3/4

Standard Package, 6*

CHEEK BLOCKS

FOR WIRE ROPE
GALVANIZED MALLEABLE IRON OR BRONZE



Fig. 140

Size No.	Galv. Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
1	\$1.30	\$3.00	1/4	2 x 1/8	3/8
2	2.00	5.10	3/8	3 x 3/8	1 3/8
3	3.35	8.40	1/2	4 x 1/2	2 3/4
3 1/2	4.85		5/8	4 1/2 x 3/8	4 1/4
4	6.35		3/4	5 x 3/4	5 1/4
5	10.50		7/8	6 x 1	11

Standard Package, 6*

Wire Rope PULLEYS

GALVANIZED MALLEABLE IRON OR BRONZE
SIDE PATTERN

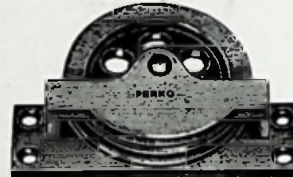


Fig. 194
SINGLE

Size No.	Galv. Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
1	\$2.35	\$4.40	3/8	2 1/2 x 3/8	1/2
2	2.80	5.25	1/4	3 1/4 x 1/2	1 1/4
3	4.15	9.50	3/8-3/4	4 1/2 x 3/8	2 1/2

Fig. 195
DOUBLE

Size No.	Galv. Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
11	\$3.50	\$6.45	3/8	2 1/2 x 3/8	1 1/8
12	3.95	8.30	1/4	3 1/4 x 1/2	2
13	6.65	15.30	3/8-3/4	4 1/2 x 3/8	4 1/4

Standard Package, 6*

CHEEK BLOCKS

GALVANIZED IRON OR BRONZE
SINGLE



Fig. 95

Size No.	Galv. Cast Iron Each	Galv. Moll. Iron Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
0	\$.75	\$.80	\$1.40	1/4	1 1/8 x 3/8	3/8
1	.80	1.00	1.80	3/8	1 3/8 x 1/2	1/2
2	.88	1.20	2.20	1/2	2 x 3/8	3/4
3	1.25	1.85	3.70	5/8	2 1/2 x 3/4	1 1/4
4	2.60	2.80	4.10	3/4	3 x 3/4	2
5	3.90	4.65		7/8	3 1/2 x 1	4
6	6.60	8.00				

Standard Package, 12*

CHEEK BLOCKS

GALVANIZED IRON OR BRONZE
DOUBLE



Fig. 96

Size No.	Galv. Cast Iron Each	Galv. Moll. Iron Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
11	\$1.40	\$1.75	\$2.80	3/8	1 3/8 x 1/2	1/2
12	1.50	2.00	4.20	1/2	1 1/2 x 1/2	1 1/8
13	2.55	3.30		5/8	2 x 3/8	1 1/2

Standard Package, 12*



Centerboard BLOCKS
GALVANIZED CAST IRON OR BRONZE



Fig. 827

No.	Galv. Each	Plain Bronze Each	Size Rope Inches	Size Sheave Inches	For Screw No.	Weight Pounds
1	\$1.55	\$3.25	3/8	1 1/2 x 1/2	12	3/4
2	2.30	4.50	1/2	2 x 3/8	12	1 1/2

Standard Package, 6*

Outhaul Cheek BLOCKS
CAST BRONZE—BURNISHED



Fig. 885
For Rope



Fig. 886
For Wire

Fig.	Each	For Rope Size Inches	Size Sheave Inches	Weight Ounces	Packed Per Box
885	\$1.00	1/4	3/4 x 3/8	3 1/2	10
Fig.	Each	For Wire Size Inches	Size Sheave Inches	Weight Ounces	Packed Per Box
886	\$1.75	1/8	1 1/4 x 3/2	5	10

Standard Package, 10*

ASSORTED SHEAVES
BRONZE, PLASTIC OR NYLON
COMMON BUSHED—FOR MANILA ROPE



Fig. 154

BRONZE					
No.	Each	Diam. Inches	Thickness Inches	For Rope Inches	For Size Pin Inches
10	\$.45	3/8	3/8	3/8	3/32
18	.85	1 3/4	3/8	7/8	1/4
LAMINATED PLASTIC					
23	.35	1 1/8	3/8	1/4	1/4
BLACK NYLON					
26	.30	1 3/4	3/8	5/8	1/4
WHITE NYLON					
27	.30	1 3/4	3/8	3/8	1/4
28	.40	2 3/8	3/8	3/8	1/4

Assorted Brass PINS

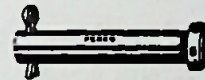


Fig. 1176

No.	Each	Diam. Pin Inches	Length Under Head Inches	Diam. Head Inches	Type Head
1	\$.25	3/16	3/8	1/4	Flat
2	.25	3/16	3/4	1/4	Flat
4	.28	3/16	1	1/4	Flat
5	.28	1/4	5/8	3/8	Round
6	.30	1/4	3/4	3/8	Flat
7	.32	1/4	3/8	3/8	Flat
8	.35	1/4	1 1/8	3/8	Flat
10	.35	1/4	1 1/4	3/8	Flat
11	.35	3/8	3/8	3/8	Flat
15	.37	3/8	1 1/4	3/8	Flat
16	.37	3/8	1 1/2	3/8	Flat
18	.48	3/8	1 3/8	3/8	Flat
27	.75	1/2	1 1/4	3/8	Flat
28	.80	1/2	1 1/2	3/8	Flat

LETTERS and FIGURES
CAST BRONZE

REGULAR PATTERN



Fig. 348

Height Inches	Burnished Bronze Each	For Screw No.	Weight Per 100 in Lbs.
3	\$.65	8	24 1/2

GOthic PATTERN



Fig. 313

Height Inches	Burnished Bronze Each	For Screw No.	Weight Per 100 in Lbs.
3	\$.65	8	18

Standard Package, 6*



Wrought Brass FOG BELLS WITH REMOVABLE BRACKET PRESSED BELL METAL

*Raise
5 to 7 1/2%*



Fig. 159

Diameter Inches	Plain Brass Each	Polished Brass Each	Chromium Plated Each	Height Overall Inches	Wt. Lbs.
6	\$7.85	\$10.00	\$11.00	4	1
8	11.35	13.25	14.50	5	2 1/2
Wall Plate only	\$1.10	\$1.40	\$1.75		
Arm only	1.80	2.20	2.80		
Clapper only	1.40	1.95	2.60		
Eye Bolt only	.60	.80	1.05		

Wall plate drilled for No. 6 screw.
Standard Package, 6*

Cast Bronze FOG BELLS

HEAVY WEIGHT—WITH REMOVABLE BRACKET



Fig. 150

Diameter Inches	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Weight Pounds
8	\$ 42.00	\$ 52.00	8	10
10	81.00	91.50	10 1/2	22
12	108.00	121.00	12	38

WALL PLATE ONLY

Diameter Inches	Polished Bronze	Chromium Plated	Height Overall Inches	Weight Pounds
8	\$ 2.65	\$ 3.40	2 1/2	1/2
10	4.20	5.25	3 3/4	1
12	5.25	6.30	3 3/4	1

8 inch wall plate for No. 8 screw.

10 and 12 inch wall plates for 1/4 inch bolt.

Cast Bronze FOG BELLS LIGHTWEIGHT—WITH REMOVABLE BRACKET



Fig. 581

Diameter Inches	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Weight Pounds
6	\$13.80	\$16.75	4 1/4	3
8	19.00	21.00	5 1/4	5
Wall Plate only	1.40	2.10	2	1/4

Drilled for No. 8 screw.
Standard Package, 6*

Brass AXE BRACKETS

18 GAUGE—POLISHED



Fig. 325

A set consists of one blade socket and one handle bracket as illustrated.

Complete Sets Per Dozen	Blade Sockets Only Per Dozen	Handle Brackets Only Per Dozen	For Blade Width Inches	Weight Per Set Ounces
\$33.60	\$21.00	\$12.60	6	8

Cast Bronze FOG BELLS MEDIUM WEIGHT—WITH REMOVABLE BRACKET



Fig. 420

Diameter Inches	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Weight Pounds
6	\$18.50	\$22.00	5	4
8	27.85	32.50	6 1/2	8
6	\$2.20	\$3.00	2 1/2	1/2
8	3.00	3.75	2 1/2	1/2

WALL PLATE ONLY

Drilled for No. 8 screw.
Standard Package, 6*

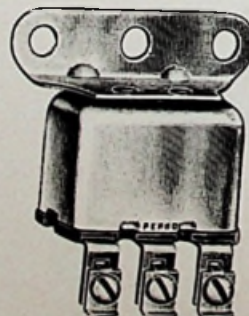
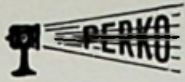


Fig. 273

RELAYS

Eliminates line loss where electric unit is located some distance from the battery.

6 Volts Each	12 Volts Each
\$2.00	\$2.20



FOG HORNS

*As
is*

GALVANIZED STEEL OR BRASS



Fig. 162

Length Overall Inches	Galvanized Steel Per Doz.	Polished Brass Per Doz.
18	\$36.00	\$48.50

Standard Package, 3 Dozen*

Triplex Motor Boat WHISTLE

PLASTIC—ORANGE COLOR



Fig. 167

Per Dozen	Length Overall Inches	Width Overall Inches	Weight Per Dozen Pounds
\$5.25	6	1 1/4	1

Standard Package, 12 Dozen

Police or Signal WHISTLE

BRASS—NICKEL PLATED



Fig. 349

Per Dozen	Length Inches	Width Inches	Weight Per Doz. Ounces
\$13.20	2	3/4	17

Standard Package, 3 Dozen

AIR HORNS

HAND PUMP OPERATED

ALL BRASS HORNS—CHROMIUM PLATED
STEEL OR BRASS PUMPS

Designed and manufactured to meet the needs of the small boat owner for a hand operated loud air horn which combines good looks with practicability, short projector and no battery at a price he can afford.

Supplied complete ready for installation with 6 feet of rubber tubing and mounting brackets for horn and pump.

Can be heard a great distance and operation is effortless.

SINGLE HORN

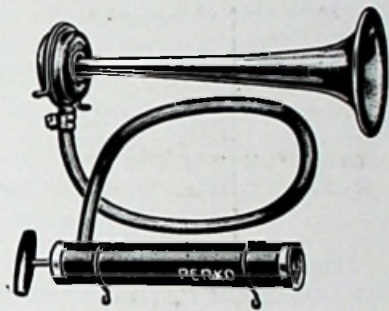


Fig. 631

With Steel Pump Per Set	With Brass Pump Per Set	Length Horn Overall Inches	Length Pump Body Inches	Weight Per Set Pounds
\$25.00	\$32.00	12 1/2	12 1/2	3

Standard Package, 3**

DUAL HORNS

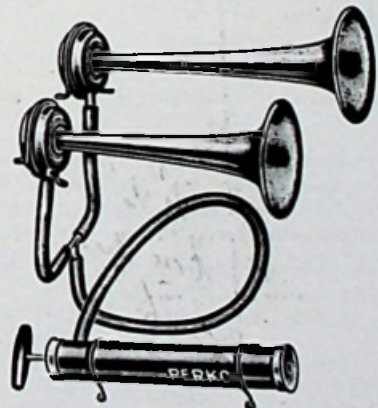


Fig. 632

With Steel Pump Per Set	With Brass Pump Per Set	Length Long Horn Overall Inches	Length Short Horn Overall Inches	Length Pump Body Inches	Weight Per Set Pounds
\$35.00	\$42.00	12 1/2	10 1/2	12 3/8	4

Standard Package, 3**



"Sea Echo" HORN

BRASS COVER AND PROJECTOR
BRASS SCREEN—CAST BRASS BASE
6 OR 12 VOLTS—CHROMIUM PLATED

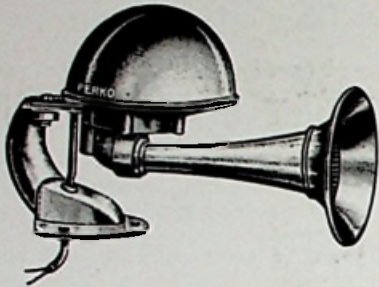


Fig. 590

A very loud resonating horn with short projector and a brass chromium plated screen in the mouth of the projector.

This horn is designed and produced to supply a long felt need for a combination of loud, distinctive tone, short projector and good looks.

Complete with 5½ feet of cable and push button.

Volts	Each	Length Overall Inches	Height Overall Inches	Weight Pounds
6	\$40.60	10¾	7⅞	4¼
12	41.20	10¾	7⅞	4¼

"Sea-Tone" HORN

ALL BRASS—CHROMIUM PLATED—WATERTIGHT
WEATHERPROOF—RESONATING
VOLTAGES—6—12—32—110 D.C.
RANGE—2 MILES

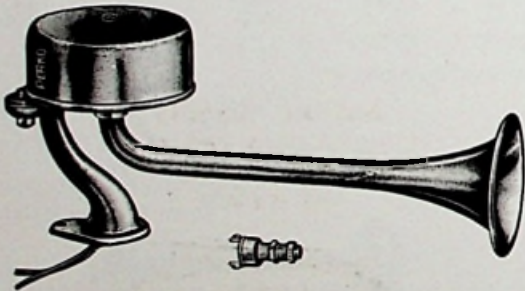


Fig. 576

A horn manufactured for marine use. It has great volume and distinctive tone. It answers the demand for a high quality marine horn that can be heard at great distance and stand the arduous test of use on salt water.

Supplied complete with heavy duty push button and 16 feet of cable in two eight-foot lengths.

Volts	Each	Extreme Length Inches	Extreme Height Inches	Weight Pounds
6	\$78.75	19	8½	6½
12	78.75	19	8½	6½
32	78.75	19	8½	6½
110 D.C.	103.00	19	8½	6½

110 A.C. supplied to order, price on application.

Packed in individual cartons.

"Sea-Pitch" HORN

BRASS—CHROMIUM PLATED
6 OR 12 VOLTS

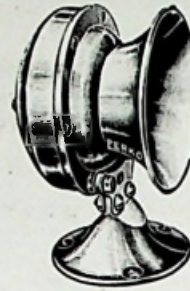


Fig. 1121

A horn designed to meet the need for a brass horn made for marine use at a price that every small boat owner can afford. Has a very loud tone that can be heard at a great distance.

The diaphragm is cadmium plated, salt spray tested.

6 Volt Each	12 Volt Each	Length Overall Inches	Height Overall Inches	Diam. Base Inches	Weight Pounds
\$21.75	\$22.90	5	7¼	3⅝	3½

"Tornado" Single HORN

BRASS—CHROMIUM PLATED
STAINLESS STEEL DIAPHRAGM

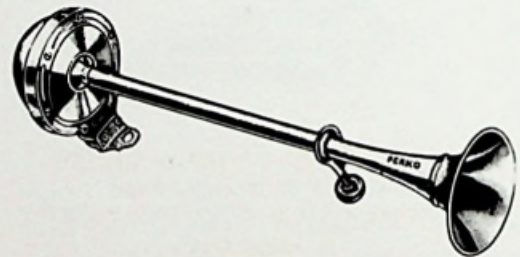


Fig. 989

Supplied with cable, relay and fastenings, no button.

6 Volt Each	12 Volt Each	Length Inches	Width Inches	Height Inches	Weight Pounds
\$36.60	\$36.75	22¾	5⅝	6¼	6

32 Volt, to order, add \$2.40 each.

"Tornado" Twin HORNS

BRASS—CHROMIUM PLATED
STAINLESS STEEL DIAPHRAGM

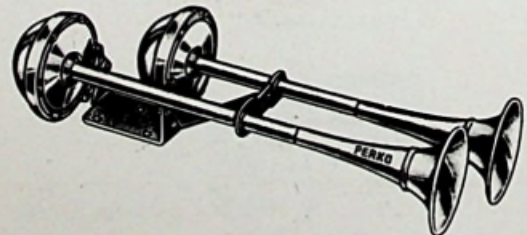


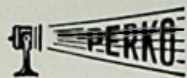
Fig. 990

Supplied with cable, relay and fastenings, no button.

6 Volt Each	12 Volt Each	Length Inches	Width Inches	Height Inches	Weight Pounds
\$71.00	\$71.25	24	8⅝	5½	12½

32 Volt, to order, add \$5.50 each.

NOTE — PLEASE SPECIFY VOLTAGE, OTHERWISE 6 VOLT WILL BE SUPPLIED
Standard Package, Figs. 590 and 1121 Only, 6+++.



"Sea-Mite" Streamline HORN

STAINLESS STEEL DIAPHRAGM
DIE CAST BODY AND BASE
CHROMIUM PLATED—6 VOLTS

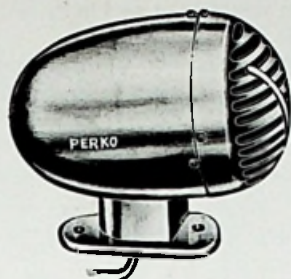


Fig. 1120

A HORN—NOT A SIREN

This horn has exceptional tone quality for its size and is ideally suited for runabouts and small cruisers.

Note that the diaphragm is of stainless steel.

Furnished complete with 10 feet of cable and push button.

6 Volt Each	Length Inches	Height Inches	Diameter Inches	Weight Pounds
\$42.50	7	6	4½	4¼

"Perko" SEA HORN

ZAMAK DIE CASTING—CHROMIUM PLATED
WITH DISPOSABLE FREON CONTAINER
PORTABLE—EXTREMELY LOUD DEEP TONE



Fig. 530

A loud deep toned self-powered horn which can be heard for miles. It commands attention from other boats, bridge tenders, etc.

Requiring no battery or other form of remote power this horn is ideal for outboard motor boats, sailboats, rowboats and other small vessels.

Every freon container has its own valve, therefore, whenever a new container is used a new valve is automatically supplied.

Full container supplies 600 one second blasts.

Each horn packed in attractive counter display box.

Complete Each	Spare Containers Each	Height Overall Inches	Length Overall Inches	Weight Pounds
\$11.00	\$1.75	6½	8¼	1½

Standard Package, 6

Heavy Duty Marine SIREN

DIE CAST BODY AND BASE
CHROMIUM PLATED—6, 12 OR 32 VOLTS
THE YACHTSMAN

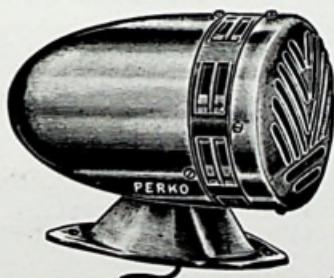


Fig. 1118

A siren that audibly commands the right of way. An ear-piercing tone that can be heard for miles.

Has specially designed motor for economical operation. Equipped with greased sealed ball bearings for smooth operation.

Furnished complete with long cable and heavy duty push button.

6 Volt Each	12 Volt Each	32 Volt Each	Length Inches	Height Inches	Diam. Inches	Weight Pounds
\$78.75	\$78.75	\$78.75	10¾	7½	5¾	10

Marine SIRENS
DIE CAST BODY AND BASE
CHROMIUM PLATED—6 OR 12 VOLTS
THE SEA-MITE

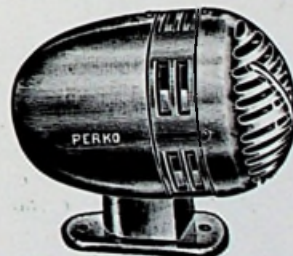


Fig. 1117

A siren of fine tone quality, dependability and performance.

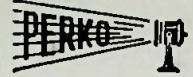
Furnished complete with 10 feet of cable and heavy duty push button.

6 Volt Each	12 Volt Each	Length Inches	Height Inches	Diam. Inches	Weight Pounds
\$46.00	\$50.00	7	6	4½	4¼

NOTE — PLEASE SPECIFY VOLTAGE, OTHERWISE 6 VOLT WILL BE SUPPLIED
Standard Package, Figs. 1117 and 1120 Only, 6 †††.

Order at least 12 of each from Bremer

150 Perkins Marine Lamp & Hardware Corp.



STREAMLINED MASTS

CAST ALUMINUM
HINGED FORWARD

PAINTED WHITE ENAMEL
WITH CLEAT AND EYES FOR HALYARD

Every cruiser large or small should be equipped with a mast of this type to complete or add to its rakish streamlined appearance, carry its signal flags, range light and antenna.

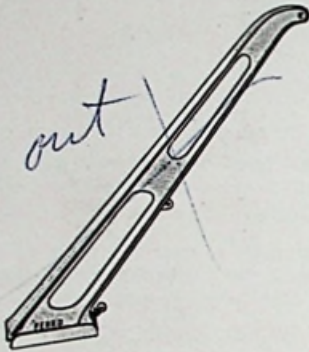
This assortment has been designed and made with lightweight, strength, appearance and utility in mind.

Note the hinged base with large thumb screw to permit instant lowering of the mast when passing under low bridges. All types have a halyard cleat and a glare shield to reduce reflection of range light.

White enamel is our stock finish, but, of course the owner may repaint to suit his own color requirements.

All lengths shown do not indicate the vertical height above deck but are actually the length of the mast.

Structural Type For Small Cruisers—No Yardarm



WITHOUT LIGHT
Fig. 42

Each	Length Inches	Dimensions Base Inches	Weight Pounds
\$11.25 <i>32</i>	22	4½x2¾	2



WITH LIGHT
Fig. 47

Each	Length Inches	Dimensions Base Inches	Weight Pounds
\$17.00 <i>235</i>	22	4½x2¾	2¾

For Large Cruisers

STRUCTURAL TYPE



Fig. 37 With Yardarm

No.	Each	Length Inches	Dimensions Base Inches	Width Yardarms Inches	Weight Pounds
1	\$38.50 <i>21</i>	33	7½x3½	23¼	7½
2	\$7.50 <i>7</i>	52	9¼x4¾	33¼	13

HOLLOW TYPE WITH LIGHT AND GLARE SHIELD

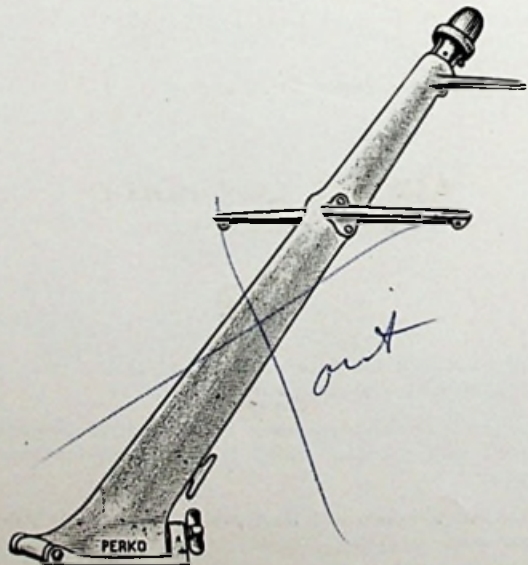


Fig. 41 With Yardarm

No.	Each	Length Inches	Dimensions Base Inches	Width Yardarms Inches	Weight Pounds
1	\$57.75 <i>26</i>	33	8¼x3¾	23½	8
2	\$83.50 <i>24</i>	52	10½x4¾	31½	14



ASH TRAYS and GLASS HOLDERS
SWINGING TYPE
ALL BRASS—CHROMIUM PLATED

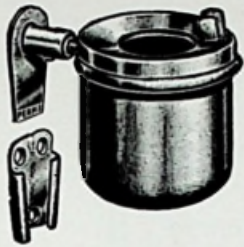


Fig. 798

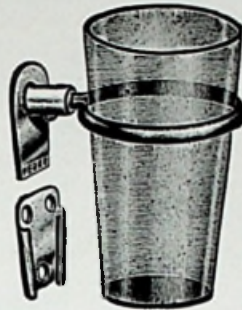


Fig. 799

BEER CAN HOLDER

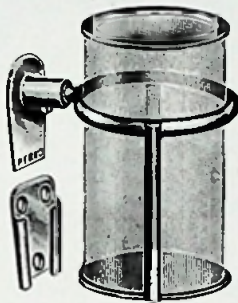


Fig. 804

Holds 12 oz. beer cans or straight sided glasses.

Fig.	Each	Size Mounting Plate Inches	Inside Diam. Ring Inches	Weight Ounces
798	\$7.35	1 1/4 x 1 1/4	2 3/4	13 1/2
799	4.75	1 3/4 x 1 1/4	2 3/4	3 1/2
804	5.00	1 1/2 x 1 1/2	2 3/4	5

Spare Mounting Plates, \$1.75 each.

AEROSOL CAN HOLDER
STEEL—CADMIUM PLATED



Fig. 601

This holder perfectly fits pressurized cans containing mosquito spray, shaving cream, paint, etc. Here is a handy holder to keep those cans available and safe.

Each	Height Overall Inches	Width Overall Inches	Diameter Base Inches	Weight Ounces	Packed Per Box
\$.80	5 1/4	2	3	5	12

Standard Package, 6 Dozen

ROPE LADDERS
WITH FLAT ASH STEPS

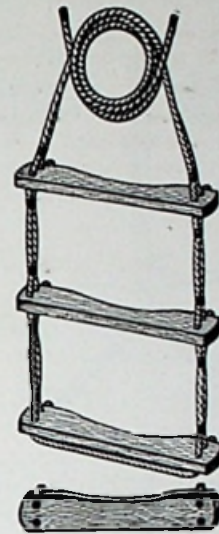


Fig. 992

Steps are mahogany stained, shellacked and varnished.

Dimensions of steps, 15x3 3/4 x 3/4 inches.

Steps are 12 inches apart, cut out on back for hand hold, each step has white rubber bumpers.

Rope is 1/2 inch diameter manila and has 3 foot loop above top step for hanging.

Number of Steps	Each	Number of Steps	Each
2	\$11.75	5	\$20.20
3	14.00	6	23.30
4	17.00		

Additional steps supplied to order, add \$4.75 Each

ROPE LADDER HOOK
CAST BRONZE



Fig. 817

Burnished Each	Chromium Plated Each	Length Overall Inches	Width Inches	For Screw No.	Packed Per Box	Weight Pounds
\$2.40	\$3.50	3	1 1/4	12	6	1/2

Standard Package, 12*



FOLDING SWIMMING LADDERS

ALUMINUM TUBING—MAHOGANY STEPS—WHITE RUBBER TRIM—RUBBER BUMPERS

"Stirrup" Type

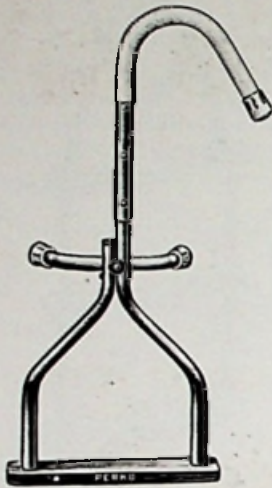
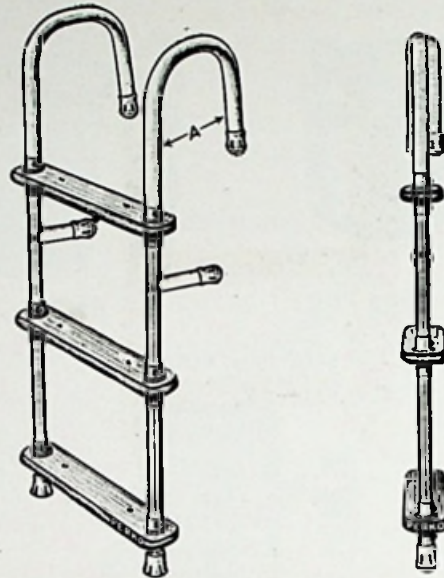


Fig. 1091

Adjustable to various lengths of 28, 31 and 35 inches.

Each	Space Inside Hook Inches	Width Overall Inches	Weight Pounds
\$9.90	6	13	2 1/4

**"Heavy Duty" Type
ANODIZED**



Open for Use

Closed for Stowing

Fig. 1004

A ladder that meets every requirement for small boats, especially desirable for water skiers, aquaplaning and swimming.

The aluminum tubing is anodized and salt water resistant.

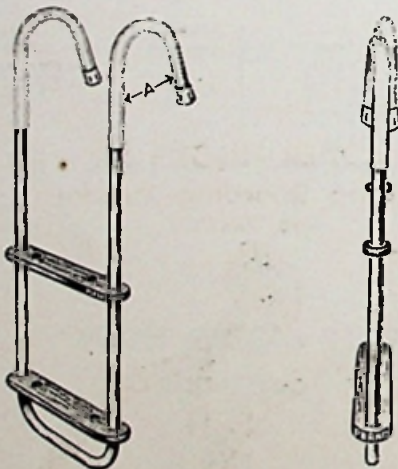
The folding feature permits stowing under deck or seats. Thickness when folded is only 3 inches.

All parts which come in contact with the boat deck or hull are covered with white rubber.

For outboard and inboard runabouts and cruisers.

No.	Each	Number of Steps	Size At "A" Inches	Length Overall Inches	Width Overall Inches	Weight Pounds
1	\$24.65	3	7	37	15 1/2	5 3/4
2	26.15	3	9	37	15 1/2	6
3	33.80	4	11	48	15 1/2	7

Standard Type



Open for Use

Closed for Stowing

Fig. 999

For outboards, rowboats and small inboards. Folds to thickness of 3 inches for stowing.

Number of Steps	Each	Size At "A" Inches	Length Overall Inches	Width Overall Inches	Weight Pounds
1	\$12.80	6	30 1/2	15 1/2	3 3/4
2	15.50	6	30 1/2	15 1/2	4 1/4
3	18.60	6	37	15 1/2	5

Folding FENDERS

FOR LADDER FIG. 999

MAHOGANY—WITH WHITE RUBBER BUMPERS



Fig. 1094

For attachment to ladders if required.

Complete with aluminum bolts and wing nuts.

Per Pair	Length Overall Inches	Length Bolt Inches	Weight Per Pair Ounces
\$3.15	7 3/4	2 1/2	8



Folding BOARDING LADDERS
MAHOGANY WITH CAST BRONZE FITTINGS

Made of high quality mahogany, varnished. Supplied complete with plates for hanging and polished bronze or chromium plated fittings.

CLOSED 2 STEPS—OPEN 4 STEPS

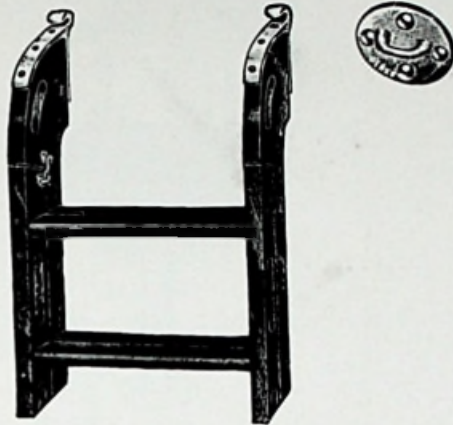


Fig. 557

With Polished Bronze Fittings Each	With Chromium Plated Fittings Each	Overall Length Open Inches	Overall Length Closed Inches	Overall Width Inches	Weight Pounds
\$69.50	\$76.00	36	21½	15	9½

CLOSED 3 STEPS—OPEN 6 STEPS

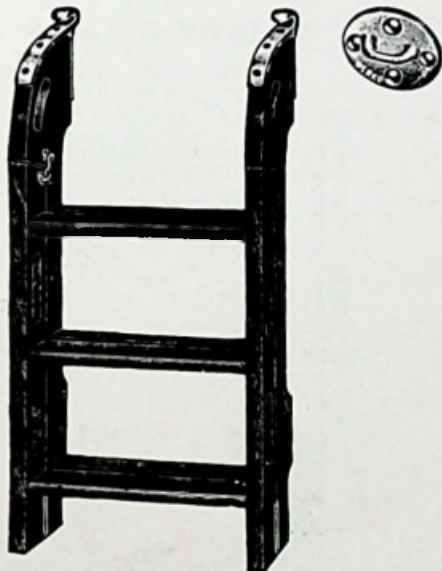


Fig. 558

With Polished Bronze Fittings Each	With Chromium Plated Fittings Each	Overall Length Open Inches	Overall Length Closed Inches	Overall Width Inches	Weight Pounds
\$72.50	\$79.00	51	30	15	12½

SPARE PARTS

Hooks and Hanging Plates, See Fig. 717
 Hinges, See Fig. 556
 Cabin Door Hooks, See Fig. 956

LADDER LOCKS
FOR COMPANIONWAY OR UPPER BERTH
CAST BRONZE



Fig. 669

Height Inches	Length Socket Inches	Length Bracket Inches	Complete		Spare Sockets Only	
			Polished Bronze Per Set	Chromium Plated Per Set	Polished Bronze Per Pair	Chromium Plated Per Pair
1½	1	1¾	\$4.75	\$6.00	\$2.90	\$3.75

Standard Package, 6 Sets*

A set consists of four pieces illustrated.

LADDER HOOKS
CAST BRONZE

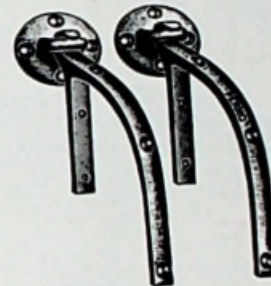


Fig. 670

Extreme Length Inches	Length Brace Inches	Size Plate Inches	Complete		Plates Only	
			Polished Bronze Per Set	Chromium Plated Per Set	Polished Bronze Per Pair	Chromium Plated Per Pair
12	4	2½x3¼	\$19.50	\$25.50	\$6.00	\$8.00

Standard Package, 3 Sets*

LADDER HOOKS for
Folding Boarding Ladder
CAST BRONZE

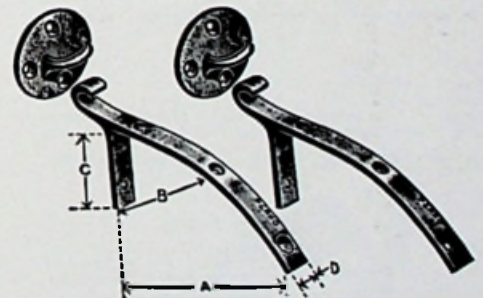


Fig. 717

Used on our Figs. 557 and 558 folding boarding ladders. Designed for wide woodwork.

A Inches	B Inches	C Inches	D Inches	Length Curved Arm Inches	Size Plate Inches	Weight Per Set Pounds
6⅞	4	2½	⅞	7	2½x3¼	2½

Complete		Plates Only	
Polished Bronze Per Set	Chromium Plated Per Set	Polished Bronze Per Pair	Chromium Plated Per Pair
\$18.50	\$23.50	\$6.00	\$8.00

Standard Package, 6 Sets*



Swivel FISHING CHAIR

MAHOGANY WITH CAST BRONZE FITTINGS
 DEMOUNTABLE
 WITH COVER FOR DECK FLANGE

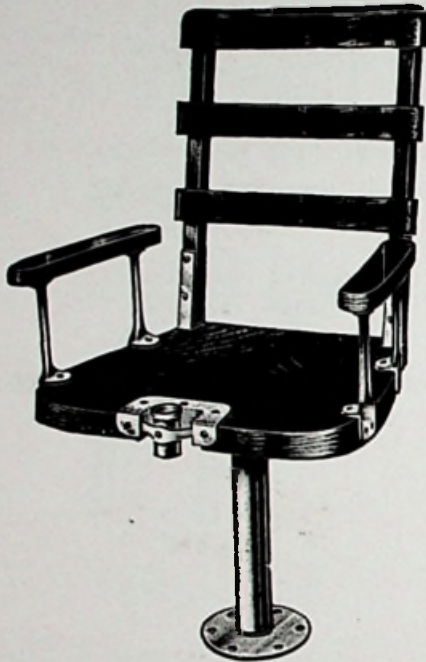


Fig. 559

Complete with universal fishing rod socket.

With Polished Bronze Fittings Each	With Chromium Plated Fittings Each	Height of Seat Inches	Dimensions of Seat Inches	Diam. Deck Flange Inches	Weight Pounds
\$160.00	\$175.00	18	19x22	7	45

SPARE PARTS

No.	No. Per Chair	Polished Bronze Each	Chromium Plated Each
1 Rod Socket Complete	1	\$15.75	\$19.00
2 Seat Flange, Plain	1	10.00	
3 Pedestal—2 inch pipe	1	14.00	17.00
4 Deck Flange Complete	1	16.80	19.00
5 Arm Supports	4	5.00	6.30
6 Back Rest Sockets	2	5.00	6.30
7 Back Rest Brace	1	11.25	13.75

Swivel FISHING CHAIR

ALUMINUM—WITH MAHOGANY ARM RESTS
 KAPOK FILLED CUSHION—RED OR BLUE

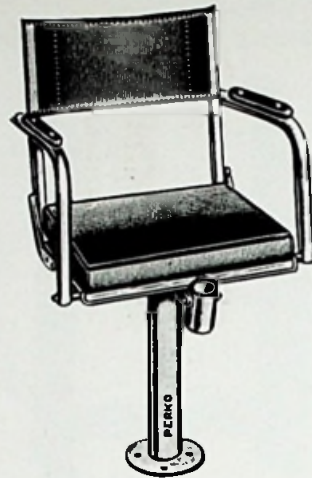


Fig. 580

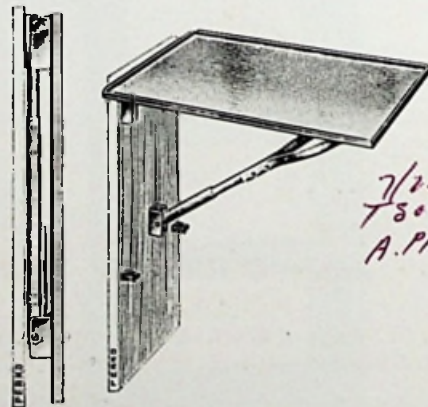
For small inboard and outboard cruisers, can easily be taken apart for stowage.

LIGHTWEIGHT—STRONG—COMFORTABLE

Each	Dimensions of Seat Inches	Height of Seat Inches	Height of Back Inches	Weight Pounds
\$42.00	16½x11	19	17	13

FOLDING TABLE

ALL ALUMINUM—ANODIZED



Closed

Open

Fig. 977

Just right for small cruisers, sailboats, etc. where space is limited.

Folds down against bulkhead to a space of only 2¼ inches. Supplied with clamps to hold in folded position.

Table top has raised edges to prevent dishes sliding off, corners are open for drainage.

Each	Length Top Inches	Width Top Inches	Weight Pounds
\$21.00	24	18	6

*7/23/58
 T.S.C.
 A.P.I.*



Improved Outrigger or FISHING POLE SOCKETS

HEAVY BRASS TUBING—CAST BRONZE BRACKETS
DETACHABLE



Fig. 460

Note the detachable brackets permitting stowage of the socket when not in use.

No.	Chromium Plated Each	Brackets Only Per Pair	Inside Diam. Inches	Extreme Length Inches	Size Plate Inches	Weight Pounds
1	\$15.00	\$ 9.00	1 7/8	9 1/2	2 1/2 x 2	2 1/2
2	19.00	10.50	2 3/8	11 1/4	2 1/2 x 2	4

Standard Package, 6*

Outrigger or FISHING POLE SOCKETS
HEAVY BRASS TUBING—BRASS BRACKETS

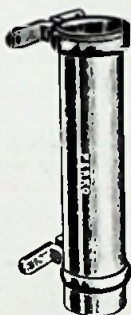


Fig. 1100

No.	Chromium Plated Each	Brackets Only Per Pair	Inside Diam. Inches	Extreme Length Inches	Width Bracket Inches	Wt. Lbs.
1	\$ 8.65	\$ 3.30	1 7/8	9	3	1

Standard Package, 6

Adjustable OUTRIGGER POLE HOLDERS

HEAVY BRASS TUBING—BRONZE CASTINGS
MANGANESE BRONZE TIGHTENING BOLT



Fig. 475

May be adjusted quickly to any desired angle or position vertically and horizontally. Locked by large thumb bolt illustrated.

Burnished Finish Each	Chromium Plated Each	Inside Diam. Socket Inches	Length Socket Inches	Dimensions Base Inches	Weight Pounds
\$17.50	\$25.00	1 7/8	9 1/2	3 5/8 x 2 1/4	3 3/4

Standard Package, 6*

FISHING POLE SOCKETS
ALL ALUMINUM—POLISHED

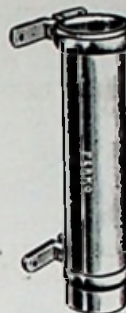


Fig. 1099

A low-priced socket very light but very strong.

Each	Inside Diam. Inches	Extreme Length Inches	Width Brackets Inches	Weight Ounces
\$6.40	1 7/8	8 3/4	3 3/4	5 1/2

Standard Package, 12

Brackets only \$1.85 per pair.

Gimbal FISHING ROD SOCKETS
ALUMINUM—BRIGHT ETCH FINISH



Fig. 481

For attaching to chairs, seats, benches, etc.

Each	Inside Diameter Inches	Length Brackets Inches	Depth Socket Inches	Weight Ounces
\$5.10	1 7/8	2 1/2	2 3/4	7

Standard Package, 12

A pair of aluminum "U" bolts for attaching above socket to tubular chairs is available. Specify Fig. 481-A \$.95 per pair.

RUBBER LINERS

FOR OUTRIGGER POLE HOLDERS

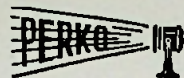


Fig. 648

Each	Length Inches	Outside Diameter Inches	Inside Diameter Inches	Weight Per Pair Ounces
\$1.65	9	1 1/4 to 2	1 1/2 to 1 3/4	13

Standard Package, 12

*12/12
Cost 8P
1.00 1.20*



New Improved Folding HELMSMAN'S SEAT
 ALUMINUM TUBING, POLISHED ANODIZED
 VINYLITE UPHOLSTERED SEAT AND BACK
 COLORS, WHITE, RED, GRAY OR LIGHT BLUE
 BACK ADJUSTABLE TO TWO POSITIONS

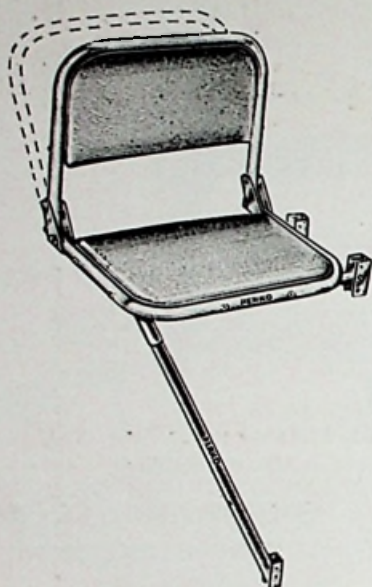


Fig. 934

An excellent seat for cruisers of all sizes. Especially appreciated by the boat owner who has spent hours at the wheel.

The seat cushion is comfortable and roomy enough for the person with wide beam.

Seat and brace folds against bulkhead compactly out of the way.

May be installed on port or starboard side.

Each	Dimensions of Seat Inches	Height of Back Inches	Weight Pounds
\$32.00	18x15	14	9½

Standard Package, 6††

Extra SEAT SUPPORTS FOR FOLDING HELMSMAN'S SEATS

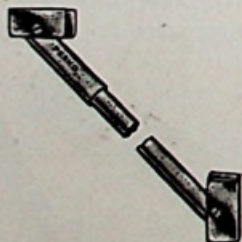


Fig. 963

For attachment to Fig. 934 helm'sman's seat when heavier duty or greater strength is required.

As illustrated
 Per Set — \$6.60

Standard Package, 6

New Improved Swivel HELMSMAN'S SEAT
 ALUMINUM TUBING, POLISHED ANODIZED
 VINYLITE UPHOLSTERED SEAT AND BACK
 COLORS, WHITE, RED, GRAY OR LIGHT BLUE
 BACK ADJUSTABLE TO TWO POSITIONS

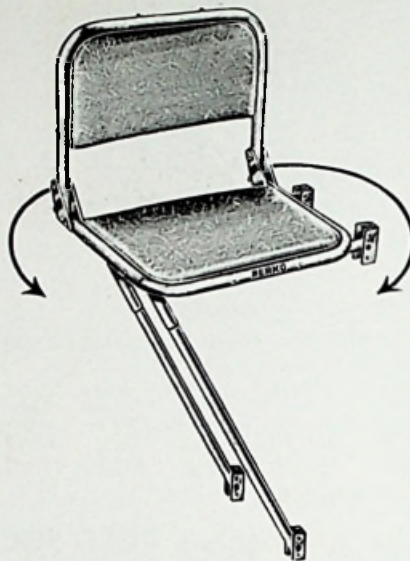


Fig. 935

The seat revolves in a 360° circle and is supported on a strong swivel, turning on stainless steel ball bearings.

The entire unit folds into a small space when use is not required.

The seat has two bulkhead brackets and two seat supports which can be easily changed over for port or starboard mounting.

Each	Dimensions of Seat Inches	Height of Back Inches	Weight Pounds
\$45.00	18x15	14	11

Standard Package, 6††

Folding STOOLS VARNISHED SEAT—CAST BRONZE BRACKET

*W.M.G.
 #1- 720
 #2 720?*



Fig. 1009

No.	Each	Diam. Seat Inches	Projection Inches	Length Bulkhead Bracket Inches	Weight Pounds
1	\$17.75	12	12½	11	7
2	18.25	14	15	11	8

Standard Package, 6**



Folding HELMSMAN'S SEAT
 ALL HEAVY GAUGE ALUMINUM
 KAPOK FILLED CANVAS COVERED CUSHION
 COLORS, RED, BLUE OR GREEN

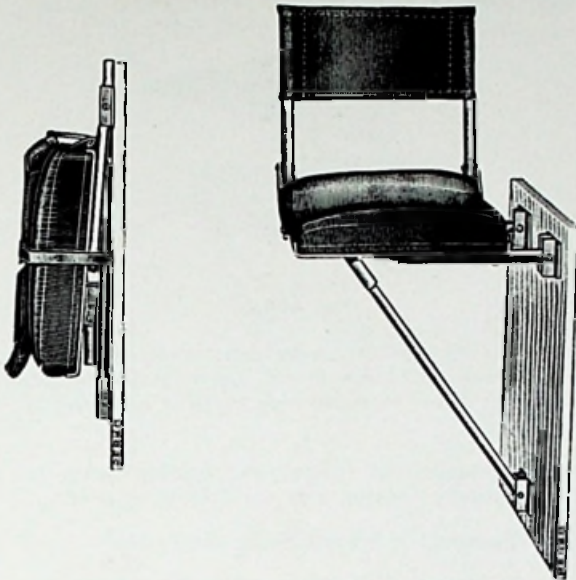


Fig. 931

An excellent item for cruisers of all sizes. Especially appreciated by the boat owner who has spent hours at the wheel.

The seat cushion is soft, comfortable and roomy enough for the person with wide beam. It is quickly detached for emergency use.

The back is set at proper angle for steering comfort, not for sleeping.

The entire unit folds without effort into a very compact package out of the way when standing is necessary.

May be installed on port or starboard side.

Each	Dimensions of Seat Inches	Height of Back Inches	Weight Pounds
\$28.50	16 3/8 x 11 1/4	18	8

Standard Package, 6**

Folding FOOT REST
 HEAVY GAUGE ALUMINUM

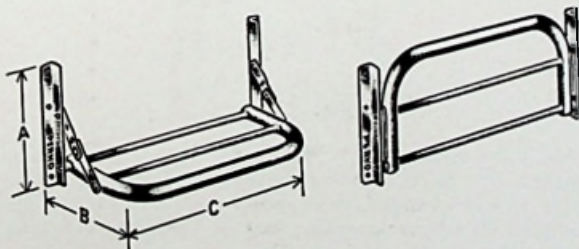


Fig. 967

Folds flat against bulkhead when not in use. Strong enough to stand on if necessary.

No.	Each	A Inches	B Inches	C Inches	Weight Pounds
1	\$9.75	8	8	12	1
2	10.95	8	8	16	1 1/2

Standard Package, 6**

Standard FOLDING STEP
 FOR COCKPIT OR COMPANIONWAY
 ALUMINUM FRAME, HINGES AND BRACKETS
 VARNISHED MAHOGANY STEP

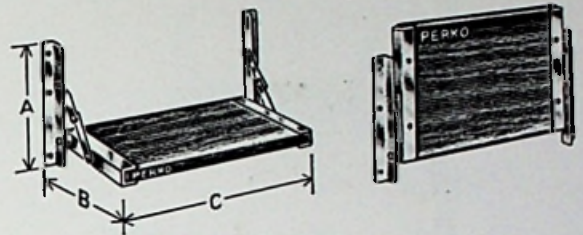


Fig. 543

Also serves as small folding table in cockpit, for ashtrays, drinks, etc.

Each	A Inches	B Inches	C Inches	Weight Pounds
\$13.80	8	9	14	3

Standard Package, 6

De Luxe FOLDING STEP
 FOR COCKPIT OR COMPANIONWAY
 SOLID MAHOGANY—SPAR VARNISHED
 WHITE RUBBER STEP PAD

10/15/57 COMPLETE Harry Wood & Son 7300 10/15/57

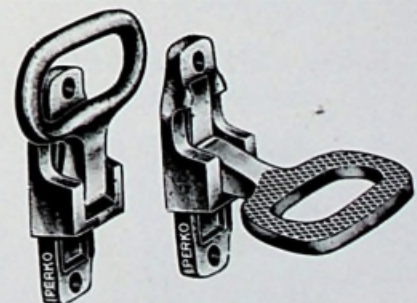
*Harry Wood & Son 2.72
 Spaw & Madsen .10
 H. M. J. .50
 Rubber .40
 Brackets - metal - 1.46
 Press work - .22
 Labor - 2.52
 57.95*

Fig. 602

Supplied complete with hinge and strong folding brackets, all brass, chromium plated.

Complete Each	Spare Folding Brackets Per Pair	Dimensions Step Inches	Thickness Step Inches	Weight Pounds
\$28.50	\$15.00	13 3/4 x 9	3/8	5 1/2

FOLDING STEP
 MANGANESE BRONZE—STAINLESS STEEL SPRING



FOLDED

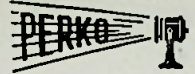
OPEN

Fig. 344

For mounting on hull or transom, folds up out of way when not in use. Spring holds step in position.

Chromium Plated Each	Size Step Inches	Size Base Inches	Extends Folded Inches	Weight Pounds
\$9.00	4x2	4 1/4 x 1 3/4	3/8	1 1/8

Standard Package, 6



Sliding Adjustable GOOSENECK
CAST MAGANESE BRONZE

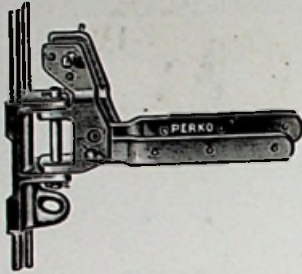


Fig. 915

Has three positions for tack of sail, two positions for boom. Ideal and universal for most small boats. Will accommodate booms up to 1 1/4 inches thick if necessary.

Burnished Each	For Track Inches	For Boom Thickness Inches	Length Inside Straps Inches	Weight Ounces
\$6.90	3/8	3/4 or 7/8	4 1/4	12

Standard Package, 6

Lightweight Sliding GOOSENECKS
CAST BRONZE—BURNISHED

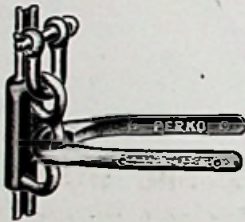


Fig. 916

Straps are adjustable for booms of various thickness. Track not included.

Each	For Track Inches	For Boom Thickness Inches	Length Inside Straps Inches	Weight Ounces
\$4.30	3/8	up to 1 1/4	3 1/2	8

Standard Package, 6

Snipe CENTERBOARDS
GALVANIZED IRON



Fig. 134

Each	Height Inches	Width Inches	Thickness Inches	Weight Pounds
\$12.00	36	21	3/8	36

WIND PENNANTS

ADJUSTABLE COUNTERBALANCE
ALUMINUM PENNANT—BRASS STANDARD

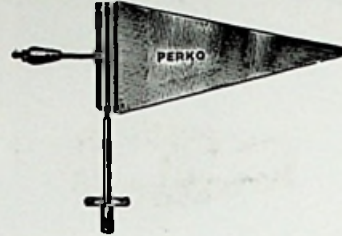


Fig. 435

Pennant swings on a needle point pivot and has an adjustable counterbalance should the weight of the pennant change from the application of paint or attachments of any kind.

Perfect balance and needle point bearing makes this pennant instantly responsive to the lightest of winds.

Furnished in Painted Finish, Red or Blue

For Mast 1 Inch Diam. at Top, 5/16" Role

No.	Each	Size of Pennant Inches	Height Overall Inches	Weight Ounces
1	\$5.25	6 1/2 x 3	6 1/2	2 1/2
2	5.75	9 1/2 x 4 1/2	7 1/4	4

Standard Package, 12*

Improved WIND PENNANTS
ADJUSTABLE COUNTERBALANCE

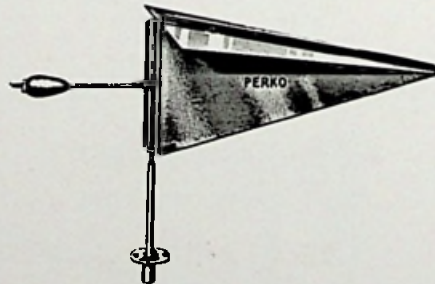


Fig. 837

This is the same as our popular Fig. 435 wind pennant improved by the addition of a horizontal vane attached to the regular vertical vane permitting a more distinct view when directly below the pennant. The horizontal vane is detachable if not required.

Furnished in painted finish, either red or blue.

No.	Complete Each	Size of Pennant Inches	Height Overall Inches	Weight Ounces
5	\$5.50	6 1/2 x 3	6 1/2	3
6	6.00	9 1/4 x 4 1/2	7 3/4	5

Standard Package, 12*



Bronze WIRE ROPE SOCKETS

CAST BRONZE—BURNISHED

Eliminating the necessity of splicing wire rigging, especially the difficult splicing of stainless steel. While lead is commonly used when socketing the wire, we recommend the use of zinc.

CLOSED TYPE



Fig. 756

No.	Each	Diam. Wire Inches	Width Inside Inches	Length Overall Inches	Weight Ounces
00	\$.85	1/6	3/8	1 1/4	1
0	.85	3/16	3/8	1 1/4	1
1	.95	1/8	3/8	1 1/4	1
2	1.10	3/16	1/2	2 1/4	2
3	1.65	1/4	3/8	2 3/4	3
4	2.00	3/16	3/4	3	4 1/2
5	2.55	3/8	1	3 1/2	8

OPEN TYPE

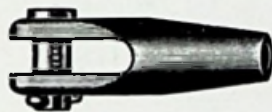


Fig. 757

No.	Each	Diam. Wire Inches	Jaw Opening Inches	Diam. Pin Inches	Length Overall Inches	Weight Ounces
9	\$1.35	1/6	1/4	1/4	1 3/4	1
10	1.35	3/16	1/4	1/4	1 3/4	1
11	1.35	1/8	1/4	1/4	1 3/4	1
12	1.80	3/16	3/8	3/8	2 1/4	2 1/2
14	3.00	3/16	1/2	1/2	3 1/4	5
15	3.85	3/8	3/8	3/8	3 1/2	9

BELAYING PINS

GALVANIZED MALLEABLE IRON



Fig. 366

Diam. Shank Inches	Galv. Each	Length Head Inches	Extreme Length Inches	Weight Each Pounds
3/8	\$1.35	3	8	3/8
1/2	2.10	3 1/2	9 1/2	3/4
5/8	2.60	3 3/4	10 1/4	1
3/4	3.10	4 1/4	11	1 1/4

Fast Eye SNAP SHACKLES

CAST BRONZE—BURNISHED



Fig. 873

No.	Each	For Diam. Rope Inches	I. D. Eye Inches	Length Inside Inches	Width Inside Inches	Wt. Ozs.
0	\$4.45	1/4	3/8	3/16	3/8	2
1	4.75	3/16-3/8	1/2	3/4	1 1/16	4
2	5.60	3/16-1/2	3/8	1 1/16	3/8	7

Swivel Eye SNAP SHACKLES

CAST BRONZE—BURNISHED

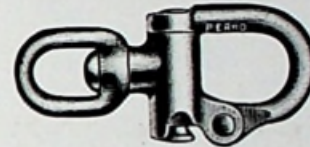


Fig. 874

No.	Each	For Diam. Rope Inches	I. D. Eye Inches	Length Inside Inches	Width Inside Inches	Wt. Ozs.
0	\$5.95	1/4	3/16	1 1/16	3/16	3
1	7.10	3/16-3/8	3/8	3/4	1 1/16	6

HALYARD SHACKLES

CAST MANGANESE BRONZE—BURNISHED



Fig. 887

Size Inches	Each	Diam. Pin Inches	Length Inside Inches	Width Inside Inches	Weight Ounces
1/4	\$1.70	3/16	1 3/8	3/8	2 1/2

Aluminum RACING FIN

CAST SILICON ALUMINUM

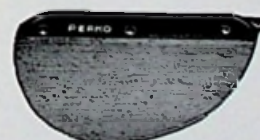


Fig. 189

Length Overall Inches	Depth Blade Inches	Size Flange Inches	Weight Lbs.
9 1/4	5	2 3/8 x 9 1/4	1
		Undrilled Each	Drilled Each
		\$3.00	\$3.75

Drilled fin supplied unless otherwise specified.

ANCHOR SHACKLES

GALVANIZED DROP FORGED STEEL OR BRONZE

SCREW PIN

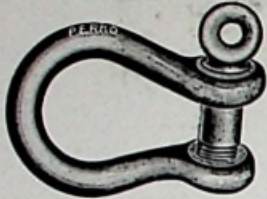


Fig. 314

ROUND PIN



Fig. 315

Prices and Dimensions Below Apply to both Figs. 314 and 315.

Size Inches	Fig. 314 Galvanized Each	Fig. 314 Bronze Each	Fig. 315 Galvanized Each	Length Inside Inches	Between Eyes Inches	Diameter Pin Inches	Steel Weight Per 100 in Pounds	Steel Approx. Strength in Pounds
3/8	\$.52	\$1.00		3/8	3/8	1/4	7	2700
1/2	.59	1.15	\$.57	1 1/8	3/8	3/8	12	4600
5/8	.64	1.45	.64	1 1/4	3/8	3/8	20	7000
3/4	.77	2.15	.69	1 1/2	5/8	3/8	31	8600
7/8	.96	3.20	.86	1 3/4	3/4	1/2	47	12500
1	1.11	4.20	1.04	2	3/8	5/8	69	17500
1 1/8	1.83		1.75	2 1/2	1 1/8	3/4	137	24900
1 1/4	2.52		2.40	2 3/4	1 1/8	3/8	219	40000
1 1/2	3.26		3.21	3 1/4	1 1/2	1	319	53000
1 3/4	4.72		4.64	3 1/2	1 3/8	1 1/8	500	61000
1 7/8	6.79		6.67	4 1/8	1 3/8	1 1/4	681	81000
2	8.52		8.32	4 1/4	2	1 3/8	950	85000
2 1/8	10.53			5 1/4	2 1/8	1 1/2	1218	95000
2 1/4	13.58			6	2 1/2	1 3/8	1625	119000
2 1/2	19.38			7	2 3/4	2	2700	192500
2 3/4	29.14			8	3 3/8	2 1/4	3725	239500

Bronze Shackles are only furnished with screw pin, Fig. 314.

Galvanized 3/8 inch size supplied only with screw pin, Fig. 314.

CHAIN SHACKLES

GALVANIZED DROP FORGED STEEL

SCREW PIN

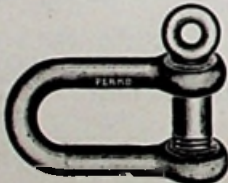


Fig. 338

ROUND PIN

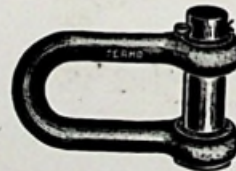


Fig. 339

Size Inches	Fig. 338 Each	Fig. 339 Each	Length Inside Inches	Between Eyes Inches	Diameter Pin Inches	Weight Per 100 in Pounds	Approx. Strength in Pounds
1/4	\$.59	\$.57	1 3/8	3/8	3/8	10	4600
3/8	.64	.64	1	3/8	3/8	18	7000
1/2	.77	.69	1 1/4	3/8	3/8	28	8600
5/8	.96	.86	1 3/8	3/4	1/2	44	12500
3/4	1.11	1.04	1 3/8	3/8	3/8	70	17500
7/8	1.83	1.75	2	1 1/8	3/4	130	24900
1	2.52	2.40	2 3/8	1 1/4	3/8	212	40000
1 1/8	3.26	3.21	2 3/4	1 3/8	1	300	53000
1 1/4	4.72	4.64	3 1/4	1 3/8	1 1/8	470	61000



Wire Rope THIMBLES

GALVANIZED FORGED STEEL

FORGED BRONZE AND STAINLESS STEEL



Fig. 466

REGULAR

For Size Rope Inches	Galv. Per 100	Bronze Per Dozen	Stainless Steel Per Dozen	Length Overall Inches	Width Inside Inches	Galv. Wt. Per 100 in Lbs.
1/8	\$ 8.88	\$ 2.64	\$ 2.64	1 3/4	3/8	2 3/8
3/16	8.88	2.64	2.64	1 3/4	1/2	2 3/8
1/4	8.88	3.36	3.36	2	3/4	4 3/8
5/16	11.10	4.68	4.68	2 1/8	7/8	5 1/2
3/8	11.10	7.32	7.32	2 3/8	1 1/8	10 3/8
1/2	13.32	9.96		2 3/8	1 1/8	15 1/2
5/8	28.86	13.20		3 3/8	1 3/8	27 1/2
3/4	37.74	19.80		3 3/8	1 1/2	40
7/8	71.04			4 1/2	1 3/8	55
1	79.92			5 1/4	2 1/8	79

EXTRA LARGE

1 1/4	\$138.75			6 3/4	2 1/2	125
1 1/2	138.75			7	2 3/4	138
1 3/4	317.46			7 1/2	3	250
1 3/4	647.13			10	3 1/2	512
2	671.55			10	3 1/2	600

Sail THIMBLES

GALVANIZED MALLEABLE IRON OR BRASS



Fig. 469

*Size Inches	Galv. Each	Brass Each	Diam. Rope Inches	I. D. Hole Inches	Galv. Weight Per 100 in Lbs.
1/2		\$.12	1/8	1/4	1/2
3/4	\$.14	.17	1/4	1/2	1
1	.17	.28	3/8	3/8	2
1 1/4	.20	.42	3/8	3/4	3
1 1/2	.26	.56	3/8	1	4
1 3/4	.30	.69	1/2	1 1/4	8
2	.44	1.02	3/8	1 1/2	11 1/2
2 1/4	.48		3/8	1 3/8	16
2 3/4	.75		3/4	2	25

*Size is from edge to edge across hole.

Manila Rope THIMBLES

GALVANIZED DROP FORGED STEEL



Fig. 468

For Diam. Rope Inches	Galvanized Per 100	I. D. Hole Inches	O. D. Edge to Edge Inches	Weight Per 100 in Lbs.
3/8	\$14.65	3/8	3/4	1 1/2
1/2	14.65	1/2	3/4	2
3/4	18.09	3/4	1	3
1	18.76	3/4	1 1/4	5 1/2
1 1/8	22.31	3/4	1 1/2	9
1 1/4	26.09	1	1 3/4	17
1 1/2	34.97	1 1/8	2	25 1/2
1 3/4	42.96	1 3/8	2 1/4	34
2	53.77	1 3/8	2 1/2	38
2 1/4	69.82	1 3/2	2 3/4	48

Wire Rope CLIPS

MALLEABLE IRON SADDLE STEEL U-BOLT AND NUTS



Fig. 333

Size Wire Rope Inches	Cadmium Plated Per 100	Est. Wt. Per 100 in Lbs.	Size Wire Rope Inches	Cadmium Plated Per 100	Est. Wt. Per 100 in Lbs.
1/8	\$13.68	4 1/4	1/2	\$ 31.64	37
3/16	13.68	7	3/8	41.91	59
1/4	15.98	14 1/2	3/4	59.83	84
5/16	17.80	16	3/4	85.58	128
3/8	24.62	24	1	102.71	175



Fig. 497

EYE NUTS

WELDLESS DROP FORGED STEEL

Threaded For Bolt Inches	Galvanized Each	Inside Dimensions Inches	Diam. of Stock Inches	Weight Per 100 in Lbs.
1/4	\$.67	3/4 x 3/8	1/4	10
3/8	.67	3/4 x 3/8	1/4	10
1/2	.69	3/8 x 1 1/8	3/8	16
3/4	.73	1 1/4 x 1 1/2	3/8	34
1	.89	1 1/2 x 1 3/4	1/2	60
1 1/4	1.67	1 3/4 x 2 1/8	3/4	97



OPEN TURNBUCKLES

DROP FORGED STEEL—HOT GALVANIZED

HOOK AND EYE



Fig. 390

EYE AND EYE

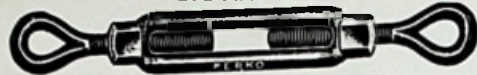


Fig. 391

HOOK AND HOOK

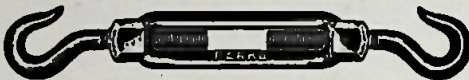


Fig. 392

JAW AND EYE

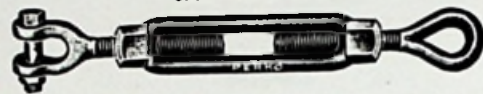


Fig. 393

JAW AND JAW



Fig. 394

Diameter and Take-up Inches	Fig. 390 Each	Fig. 391 Each	Fig. 392 Each	Fig. 393 Each	Fig. 394 Each	Overall Length Closed Inches	Opening in Hook Inches	Inside Eye Inches	Inside Jaw Inches	Approx. Weight Pounds
• 1/4 x 4	\$1.29	\$1.29	\$1.29	\$1.53	\$1.75	7 1/2	3/8	1 1/32 x 1 1/16	5/8 x 1 1/8	3/8
• 3/16 x 4 1/2	1.44	1.44	1.44	1.75	1.93	8 1/2	1/2	3/16 x 1 1/16	1/2 x 3/4	1/2
• 3/8 x 6	1.93	1.93	1.93	2.24	2.58	11	5/16	1 1/32 x 1 1/16	3/8 x 1 1/8	1
• 1/2 x 6	2.58	2.58	2.58	2.78	2.95	12	1/4	2 3/32 x 1 3/8	5/8 x 1	1 3/4
• 1/2 x 9	3.46	3.46	3.46	3.91	4.33	14 1/2		2 3/32 x 1 3/8	5/8 x 1	2 1/4
• 1/2 x 12	3.64	3.64	3.64	4.13	4.55	17 1/2		2 3/32 x 1 3/8	5/8 x 1	2 5/8
• 5/8 x 6	3.37	3.37	3.37	3.95	4.53	13	3/8	3/8 x 1 3/4	3/8 x 1 3/8	3
• 5/8 x 9	4.62	4.62	4.62	5.33	5.99	16		3/8 x 1 3/4	3/8 x 1 3/8	3 3/4
• 5/8 x 12	5.00	5.00	5.00	5.77	6.44	19		3/8 x 1 3/4	3/8 x 1 3/8	4
• 3/4 x 18		8.19		8.77	9.61	25 1/2		3/8 x 1 3/4	3/8 x 1 3/8	6 1/2
• 3/4 x 6	5.11	5.11	5.11	5.66	6.55	14	1 5/16	1 x 2 1/8	1 x 1 1/2	4 5/8
• 3/4 x 9	5.77	5.77	5.77	6.19	6.90	17		1 x 2 1/8	1 x 1 1/2	5 1/4
• 3/4 x 12	7.64	7.64	7.64	8.13	9.12	20		1 x 2 1/8	1 x 1 1/2	6 3/8
• 3/4 x 18		9.04		10.37	11.41	26 1/2		1 x 2 1/8	1 x 1 1/2	8
• 7/8 x 12	9.50	9.50		10.48	11.28	21 1/2	1 1/8	1 1/4 x 2 1/2	1 1/8 x 1 3/8	8 3/8
• 7/8 x 18		11.90		14.23	14.83	28		1 1/4 x 2 1/2	1 1/8 x 1 3/8	13 1/2
* 1 x 12	11.00	11.00	8.00	12.39	13.45	23	1 3/8	1 3/8 x 3	1 1/4 x 2	11 3/4
• 1 x 18		14.16		15.21	15.90	29		1 3/8 x 3	1 1/4 x 2	15 5/8
• 1 x 24				17.92	19.00	35		1 3/8 x 3	1 1/4 x 2	17
* 1 1/4 x 12		17.98		21.38	23.24	25		1 13/16 x 3 3/16	1 3/8 x 2	22
• 1 1/4 x 18		20.87		24.49	26.44	30 1/2		1 13/16 x 3 3/16	1 3/8 x 2	27 1/2
• 1 1/4 x 24		26.86		34.41	40.07	37		1 13/16 x 3 3/16	1 3/8 x 2	31
• 1 1/2 x 12					37.43	26 1/2		2 1/8 x 4 1/8	2 x 2 3/8	32 1/4
* 1 1/2 x 18					39.43	33 1/2		2 1/8 x 4 1/8	2 x 2 3/8	38 1/4
• 1 1/2 x 24					51.06	39 1/2		2 1/8 x 4 1/8	2 x 2 3/8	46 3/4

For one lock nut add 5% to above, for two locknuts add 10% to above.

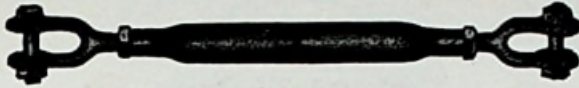
*Indicates standard marine length. Same will be shipped when no length is specified.

All turnbuckles have right and left hand threads.

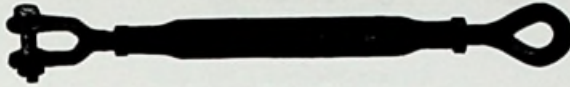
3/4 inch diameter and larger in jaw type are supplied with pin and cotter instead of bolt and nut.



Improved Pipe TURNBUCKLES
GALVANIZED DROP FORGED STEEL
WITH LOCK NUTS



Jaw and Jaw Fig. 382



Jaw and Eye Fig. 398

Diam. Thread Inches	Fig. 382 Jaw & Jaw Each	Fig. 398 Jaw & Eye Each	Length of Pipe Inches	Weight Per 100 in Lbs.
1/4	\$ 3.40	\$ 3.20	5 1/2	47 1/2
3/8	3.66	3.49	5 3/4	62 1/2
1/2	4.57	4.31	6	102
5/8	5.51	5.22	8	178
3/4	9.01	8.35	10 1/2	369
7/8	9.48	8.79	10 1/2	500
1	15.10	14.32	13	775
1 1/4	18.18	16.98	14 3/8	1025
1 1/2	28.86	26.93	16	2050

Petite TURNBUCKLES
CAST BRONZE—S.A.E. THREADS



Fig. 396

No.	Burnished Each	Diam. Ends Inches	Length Extended Inches	Takeup Inches	Weight Per 100 in Lbs.
1	\$.41	1/8	3	3/4	3
2	.48	3/16	4	1 1/8	6 1/4
3	.66	1/4	5	1 1/2	11 1/2
4	.88	5/16	5 3/4	1 3/4	15
5	1.04	3/8	6 3/8	2 1/4	24 1/2

NOTE—Nos. 1, 2 and 3 have wire eyes. Nos. 4 and 5 have cast solid eyes.
Standard Package Sizes No. 1 and 2, 20*. Balance of sizes, 10*.

FOOT ROPE PLATES
or **TRANSOM LIFTING EYES**
GALVANIZED FORGED STEEL

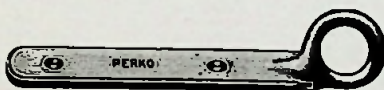


Fig. 568

Length Under Eye Inches	Galv. Each	Size Plate Inches	Inside Diam. Eye Inches	Diam. Metal In Eye Inches	Weight Pounds
3	\$.80	3/4 x 1/4	1/2	1/4	3/8
4	1.05	7/8 x 3/8	3/8	1/4	3/8
5	1.15	1 x 1/4	3/4	3/8	1/2
6	1.55	1 x 3/8	3/8	3/8	3/4
8	1.85	1 1/4 x 3/8	1	3/8	1
10	2.75	1 1/2 x 3/8	1 1/8	3/8	1 1/2

Standard Package, 4, 5, 6, Inch Sizes Only, 12*

Bronze Rigging TURNBUCKLES
DROP FORGED—WELDLESS
S. A. E. THREADS



Fig. 459

These are drop forged from special high strength solid bronze bars giving unusual strength as shown in table below.

Size Inches	Plain Each	With Two Check Nuts Add	For Diam. Wire Rope Inches	Weight Each Pounds
1/4	\$ 3.05	\$.40	1/8	3/8
3/8	5.25	.40	3/16	1/2
1/2	8.00	.45	3/8	3/4
5/8	10.80	.60	3/4	1 1/2
3/4	15.25	.65	1/2	2 3/8

1/4 inch size is cast manganese bronze.
Standard Package up to Size 3/8 inch, 10*.
Larger Sizes, 5*

Size Inches	Jaw Opening Inches	Diam. Pin Inches	Length Center of Pins		Ultimate Strength Pounds
			Extended Inches	Closed Inches	
1/4	1/4	1/4	8 3/8	6 1/2	2300
3/8	3/8	3/8	10 3/8	7 1/4	4200
1/2	1/2	1/2	12 1/4	8 1/2	6900
5/8	5/8	5/8	14 1/2	10 1/4	11000
3/4	3/4	3/4	17	12	18000

BUOY RODS
GALVANIZED STEEL

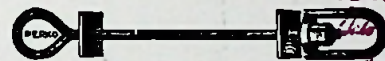


Fig. 166

No.	Each	Diameter Inches	Length Under Eye Inches	Weight Pounds
1	\$6.00	1/2	18	2 1/4
2	6.35	1/2	20	2 3/8
3	7.80	3/4	26	5 1/4
4	8.40	3/4	30	5 3/4

CHAIN PLATES
GALVANIZED FORGED STEEL



Fig. 569

Length Under Eye Inches	Galvanized Each	Size of Plate Inches	Weight Pounds
4	\$.85	3/4 x 3/8	1/4
6	.95	1 x 3/8	1/2
8	1.25	1 1/4 x 3/8	3/4
10	2.50	1 3/8 x 3/8	1
12	2.80	1 3/4 x 3/8	1 1/4
14	3.55	1 7/8 x 3/8	2 1/4
18	4.75	1 3/4 x 3/8	3

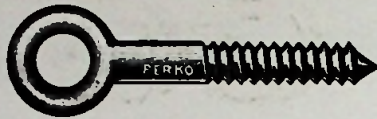
Red Washers
White Red
Blue Red
White Red
2 Washers
2 Washers
Total

1	2	3
110	110	110
13	15	2
50	50	2
08	08	1
28	42	
182	185	2

6/10/58

Screw EYE BOLTS

GALV. DROP FORGED STEEL OR BRONZE
LARGE EYE



Without Shoulder—Fig. 500

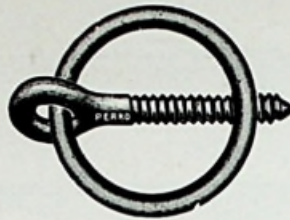
With Shoulder—Fig. 501

Size Inches	Fig. 500 Galv. Each	Fig. 501 Galv. Each	Fig. 501 Burnished Bronze Each	Inside Diam. Eye Inches	Galv. Weight Per 100 in Lbs.
1/4 x 2	\$.31	\$.31	\$.82	1/2	6
3/8 x 2 1/4	.42	.42	1.17	5/8	9
1/2 x 2 1/2	.47	.47	1.40	3/4	16
5/8 x 3 1/4	.67	.67	2.80	1	35
3/4 x 4	1.13	1.13		1 1/4	67
1 x 4 1/2	1.64	1.64		1 1/2	106

Sizes are diameter and length of shank.

Galvanized Screw RING BOLTS

DROP FORGED STEEL



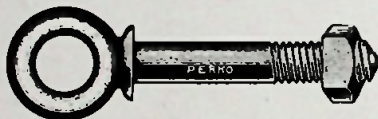
Without Shoulder—Fig. 618

With Shoulder—Fig. 619

Size Inches	Fig. 618 Galv. Each	Fig. 619 Galv. Each	I. D. Ring Inches	Weight Per 100 in Lbs.
1/4 x 2	\$.78	\$.78	1 1/4	15
3/8 x 2 1/4	.87	.87	2	25
1/2 x 2 1/2	1.11	1.11	2	38
5/8 x 3 1/4	1.50	1.60	2 1/2	85
3/4 x 4	2.40	2.58	2 3/4	160
1 x 4 1/2	3.75	3.95	3	245

Nut EYE BOLTS

GALV. DROP FORGED STEEL OR BRONZE
LARGE EYE



Without Shoulder—Fig. 522

With Shoulder—Fig. 523

Size Inches	Fig. 522 Galv. Each	Fig. 523 Galv. Each	Fig. 523 Burnished Bronze Each	Inside Diam. Eye Inches	Galv. Weight Per 100 in Lbs.
1/4 x 2	\$.33	\$.33	\$.94	1/2	7
1/4 x 4	.42	.42	1.28	1/2	10
3/8 x 2 1/4	.47	.47	1.28	5/8	13
3/8 x 4 1/4	.53	.53	1.78	5/8	17
3/8 x 2 1/2	.51	.51	1.67	3/4	21
3/8 x 4 1/2	.60	.60	2.44	3/4	27
3/8 x 6	.80			3/4	32
1/2 x 3 1/4	.75	.75	3.22	1	45
1/2 x 6	.98	.98	4.00	1	65
1/2 x 8	1.44			1	75
1/2 x 10	1.78			1	85
3/8 x 4	1.22	1.22		1 1/4	85
3/8 x 6	1.44	1.44	5.90	1 1/4	110
3/8 x 8	1.93			1 1/4	135
3/8 x 10	2.02			1 1/4	160
3/8 x 12	2.20			1 1/4	185
3/4 x 4 1/2	1.67	1.67		1 1/2	132
3/4 x 6	1.84	1.84		1 1/2	160
3/4 x 8	2.58			1 1/2	184
3/4 x 10	2.82			1 1/2	208
3/4 x 12	2.97			1 1/2	232
3/4 x 15	3.04			1 1/2	268
5/8 x 5	2.31	2.31		1 3/4	215
5/8 x 8	3.44	3.44		1 3/4	265
5/8 x 12	3.91			1 3/4	339
1 x 6	4.02	4.02		2	340
1 x 9	4.48	4.48		2	400
1 x 12	5.22			2	463
1 x 18	6.06			2	586

Sizes are diameter and length of shank.

Special lengths and threading available if ordered in manufacturing quantities.

Bronze eye bolts are drop forged bronze, not cast.

Nut RING BOLTS

GALV. DROP FORGED STEEL OR BRONZE



Without Shoulder—Fig. 620

With Shoulder—Fig. 621

Size Inches	Fig. 620 Galv. Each	Fig. 621 Galv. Each	Fig. 621 Burnished Bronze Each	I. D. Ring Inches	Weight Per 100 in Lbs.
1/4 x 2	\$.98	\$.98	\$ 1.94	1 1/4	16
1/4 x 4	1.11	1.11		1 1/4	19
3/8 x 2 1/4	1.11	1.11	2.44	2	28
3/8 x 4 1/4	1.22	1.22		2	33
3/8 x 2 1/2	1.22	1.22	3.05	2	42
3/8 x 4 1/2	1.60	1.60		2	48
3/8 x 6	1.78			2	52
1/2 x 3 1/4	1.78	1.78		2 1/2	94
1/2 x 6	2.20	2.20		2 1/2	115
1/2 x 8	2.33			2 1/2	131
1/2 x 10	2.55			2 1/2	147
3/8 x 4	2.66	2.66		2 3/4	175
3/8 x 6	3.22	3.22		2 3/4	190
3/8 x 8	3.44			2 3/4	205
3/8 x 10	3.66			2 3/4	220
3/8 x 12	3.77			2 3/4	235
3/4 x 4 1/2	4.33	4.33		3	275
3/4 x 6	5.16	5.16		3	300
3/4 x 8	5.38			3	334
3/4 x 10	5.55			3	368
3/4 x 12	5.88			3	400
5/8 x 5	7.00	7.00		3 1/2	450
1 x 6	9.32	9.32		3 3/4	630
1 x 12	10.99			3 3/4	790



TOGGLE BOLTS
CAST BRASS—PLAIN FINISH

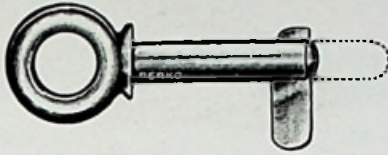


Fig. 196

Diameter Shank Inches	Length Inches	Each
1/4	1 to 6	On Application
3/16	1 to 6	
1/2	1 to 6	
3/8	1 to 6	
1/2	1 to 6	
3/4	1 to 6	

Made to order only, delivery about 3 weeks.

Not sold in quantities of less than 12 pieces of each diameter and length.

Length is measured from under shoulder to beginning of milled slot.

Brass WING NUTS
U. S. S. THREAD



Fig. 453

For Diam. Bolt Inches	Threads Per Inch	Plain Brass Each	For Diam. Bolt Inches	Threads Per Inch	Plain Brass Each
3/16	24	\$.08	1/2	13	\$.45
1/4	20	.09	5/8	11	1.40
3/8	18	.12	3/4	10	1.40
1/2	16	.18			

Standard Package, 50*

Galvanized EYE BANDS
STEEL—HOT GALVANIZED



Fig. 426

All sizes have bands 1 1/4" wide, all eyes are of 3/8" stock with 1/16" inside diameter.

Inside Diam. Inches	1 Eye Each	2 Eye Each	3 Eye Each	4 Eye Each
1 1/4	\$1.95	\$2.30	\$2.65	\$3.00
1 1/2	2.00	2.40	2.75	
1 3/4	2.30	2.65	3.00	3.40
2		2.75	3.10	3.50
2 1/4	2.55	2.85	3.20	3.55
2 1/2	2.65	3.00	3.40	3.75
3	2.85	3.20		
3 1/2	3.55	3.90	4.25	
4	3.90		4.65	
4 1/2	4.25	4.65	5.00	5.40
5	4.65	5.00	5.40	
6	6.40	6.80	7.20	7.60

Special sizes made to order, price on application.

SWIVELS
DROP FORGED STEEL



Fig. 622

Size Inches	Galv. Each	Length Inches	Width Inside Inches	Weight Each in Lbs.
1/4	\$ 1.29	3 3/8	3/4	1/4
3/16	1.38	4 1/8	15/16	3/8
1/2	1.53	5 1/4	1 1/8	3/4
3/8	2.20	6 3/8	1 1/2	1 1/4
1/2	3.73	7 1/8	1 3/4	2 1/4
3/4	4.42	8 1/8	2	3 1/2
1	6.33	10 1/2	2 1/2	6 1/2

SWIVEL with Jaw End
DROP FORGED STEEL



Fig. 623

Size Inches	Galv. Each	Length Inches	Width Between Jaws Inches	Inside of Bail Inches	Weight Each in Lbs.
1/4	\$ 1.51	4	5/16	1 1/8 x 1 3/16	3/8
3/16	1.53	4 1/8	5/16	1 1/4 x 1	1/2
1/2	1.64	5	5/16	1 3/8 x 1 1/8	3/4
3/8	2.46	6	5/16	1 1/2 x 1 1/8	1 1/8
1/2	4.28	7 3/8	1 1/4	1 3/4 x 1 1/4	2 3/8
3/4	5.86	8 1/2	1 1/4	2 x 1 3/8	4 1/4
1	7.39	9	1 1/8	2 1/8 x 1 3/8	7 3/4

SWIVELS
GALVANIZED MALLEABLE IRON OR BRONZE



Fig. 624

No.	Galv. Each	Burnished Bronze Each	Size Inches	I. D. Eye Inches	Inside Width Swivel Inches	Overall Length Inches	Weight Per 100 in Lbs.
0	\$.24	\$.56	3/8	1/4	1/4	1 3/8	2 1/4
1	.26	.56	3/8	3/8	3/8	1 3/4	4
2	.35	.77	1/2	3/8	3/8	2 1/8	7 1/2
3	.50	.98	1/2	3/8	1/2	2 1/2	10
4	.70	1.30	3/4	1/2	3/8	3 1/4	19 1/2
5	.95	1.60	3/4	3/8	3/4	3 1/2	24 1/2
6	1.18	1.95	3/4	3/4	1	4 3/8	41

SWIVELS
NICKEL PLATED BRASS



Fig. 1061

Size No.	Per Doz.	Standard Package Per Doz.	Length Inches	Diam. Eye Inches	Weight Doz. in Ounces
0	\$2.00	1	1 1/2	1/4	4 1/4
1	2.65	1	1 3/4	3/8	7 1/4
2	3.30	1	2 1/4	1/2	9



Fast Eye BOAT SNAPS

GALVANIZED MALLEABLE IRON OR BRONZE



Fig. 612

Size No.	Galv. Each	Plain Bronze Each	Polished Bronze Each	Inside Diam. Eye Inches	Extreme Length Inches	Weight Per 100 Pounds
0	\$.53	\$.65	\$1.50	3/8	2 1/8	6 1/4
1	.65	.80	1.70	3/8	2 3/8	12
2	.77	.93	1.90	3/8	3	13 1/2
3	.93	1.37	2.40	3/8	3 3/8	24
4	1.16	1.80		3/8	4 1/2	40
5	1.50	2.60		1 1/8	5	50
6	1.80			1 1/8	5 3/8	68 3/4

Standard Package, 30*

BABY SNAPS

FAST EYE



Fig. 842

Fig.	Galvanized Each	Brass Each	Size of Eye Inches	Length Inches	Weight Ounces
842		\$.20	3/8	1 1/8	1/2
1041	\$.15	.20	3/8 x 3/8	1 1/8	1/2

Standard Package, 60*



Fig. 1041

SWIVEL EYE



Fig. 1042

Diam. of Eye Inches	N. P. Malleable Each	Brass Each	Length Inches	Weight Ounces
3/8	\$.22	\$.25	2 3/8	1/2

Standard Package, 60*

Swivel Eye BOAT SNAPS

GALVANIZED MALLEABLE IRON OR BRONZE



Fig. 613

Size No.	Galv. Each	Plain Bronze Each	Polished Bronze Each	Inside Diam. Eye Inches	Extreme Length Inches	Weight Per 100 Pounds
1	\$.93	\$1.28	\$2.10	3/8	3 1/4	12 1/2
2	1.10	1.60	2.50	1/2	3 3/8	16
3	1.40	2.20	3.25	3/8	4 3/8	30
4	1.70	2.45		1/2	4 3/8	42
5	2.10	3.55		1 1/8	5 3/8	61

Standard Package, 30*

Safety MOORING HOOKS

DROP FORGED STEEL—HEAT TREATED
STAINLESS STEEL SPRING AND RIVET

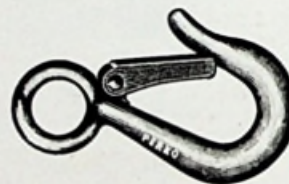


Fig. 606

These hooks although light in design have exceptional strength.

Safe Working Load

No. 1—750 Pounds. No. 2—1700 Pounds.

No.	Galvanized Each	I. D. of Eye Inches	Length Overall Inches	Throat Opening Inches	Weight Per 100 in Lbs.
1	\$1.00	3/4	4	3/8	25
2	2.45	1	5 3/8	1 1/8	100

Standard Package No. 1, 50

Standard Package No. 2, 12

Swivel Eye BOAT SNAPS

ZAMAK DIE CASTINGS—CHROMIUM PLATED



Fig. 1289

Size No.	Each	Inside Diam. Eye Inches	Extreme Length Inches	Weight Per 100 Pounds
1	\$.90	3/8	2 3/8	12 1/2

Standard Package, 50

Swivel Eye SNAPS

MALLEABLE IRON OR BRONZE



Fig. 659

Material	Each	Extreme Length Inches	Inside Eye Inches	Inside Hook Inches	Weight Ounces
Iron	\$.43	3 1/2	3/8	3/8	2
Bronze	.50	4	3/8	3/8	2 1/2

Standard Package, 30*

Iron snap is nickel plated.

Bronze snap is burnished.

JIB SNAPS

GALVANIZED MALLEABLE IRON



Fig. 765

Size No.	Galv. Each	Extreme Length Inches	For Diam. Stay Inches	Weight Per 100 in Lbs.
0	\$.53	1 1/8	1/4	4 3/8
1	.65	2	3/8	10
2	.77	2 3/8	3/8	12 1/2
3	1.00	2 3/8	1/2	21
4	1.30	3	3/8	23 3/4

Standard Package, 30*



Galvanized HOOKS
DROP FORGED STEEL—LARGE EYE



Fig. 656

Size Inches	Galv. Each	Hook Length Inches	I. D. Eye of Hook Inches	Throat Opening of Hook Inches	Approx. Strength Lbs.	Approx. Weight Per 100 in Lbs.
3/8	\$.71	2 7/8	3/8	1/2	1230	12
1/2	.93	3 3/8	7/8	5/8	2620	30
5/8	1.17	5 1/8	1 1/4	7/8	3810	62
3/4	1.64	5 1/2	1 1/2	1	5710	87
7/8	2.33	6 1/2	1 3/4	1 1/8	9100	135
1	2.91	6 3/4	1 7/8	1 1/4	9700	212

Screw HOOKS
STEEL—GALVANIZED

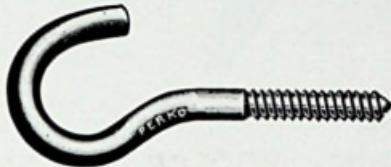


Fig. 779

Size Inches	Per 100	Length Overall Inches	Weight Per 100 Pounds
1/4	\$12.00	4	7 1/2
3/8	15.50	4	11 1/2
1/2	19.25	4	17 1/4
3/4	57.00	5 1/2	39

Standard Package, 50*

"S" HOOKS
GALVANIZED WROUGHT STEEL

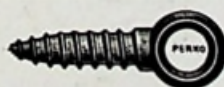


Fig. 680

Nominal Size Inches	Per 100	Length Overall Inches	Weight Per 100 Pounds
3/8	\$ 7.25	1 1/2	2 3/4
1/4	7.75	2	7
5/8	15.50	2 1/2	14 1/2
3/4	23.20	3	18 1/4
1/2	55.50	3 3/4	50

Standard Package, 50*

LACING EYES
GALV. MALLEABLE IRON OR CAST BRASS



Without Shoulder
Fig. 766

Size No.	Galv. Per 100	Plain Brass Per Dozen	Pol. Brass Per Dozen
1	\$ 9.90	\$ 1.40	\$ 4.20
2	14.75	1.85	5.00
3	16.50	2.35	10.50
4	26.70	3.10	15.50

With Shoulder
Fig. 767

I. D. of Eye Inches	Length Under Eye Inches	Wt. Per 100 in Lbs.
3/8	1	2 1/2
3/8	1 1/4	4 1/2
1/2	1 1/2	8
3/4	2	12

Connecting or Missing LINKS
DROP FORGED STEEL
WITH INTERLOCKING LUGS

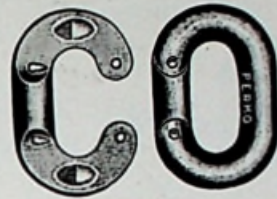


Fig. 319

Size Inches	Galv. Each	Overall Dimensions Inches	Weight Per 100 Pounds
3/8	\$.31	1 1/8 x 3/4	3 1/2
1/4	.31	1 1/2 x 1	7 1/2
3/8	.36	1 3/4 x 1 3/8	10 3/4
1/2	.42	2 1/8 x 1 3/8	18 3/4
3/4	.56	2 3/4 x 1 1/2	38 1/2
1/2	.67	2 5/8 x 1 3/4	40
3/4	.98	3 3/8 x 2 1/4	76
3/4	1.40	3 3/8 x 2 1/2	128
3/4	1.93	4 1/2 x 3	183
1	2.35	5 x 3 3/8	272

SWING LINKS

MALLEABLE IRON—WITH BRONZE RIVETS
AND INTERLOCKING LUGS



Fig. 784

Size Inches	Galv. Per Dozen	Length Overall Inches	Diam. Eye Inches	Packed Dozens in Box	Weight Per Dozen Pounds
3/8	\$ 4.10	1 1/4	1/4	2	3/8
1/4	4.75	1 5/8	3/8	2	1
3/8	5.60	2 1/8	3/8	2	1 1/2
1/2	7.70	2 1/2	3/8	2	2 1/4
3/4	10.60	2 3/4	3/8	1	3 1/4
1/2	13.75	3 3/8	3/8	1	5 1/4
3/4	22.25	4 1/2	1 1/8	1/2	12

LAP LINKS
GALVANIZED WROUGHT STEEL



Fig. 785

Size Inches	Each	Inside Dimensions of Link Inches	Size Inches	Each	Inside Dimensions of Link Inches
3/8	\$.09	1 x 1/2	3/8	\$.28	1 1/8 x 1 1/8
1/4	.11	1 1/2 x 1/2	1/2	.53	2 x 1
3/8	.22	1 1/2 x 3/8			

ANCHOR CHOCKS
CAST BRONZE—BURNISHED

FOR NAVY TYPE ANCHORS

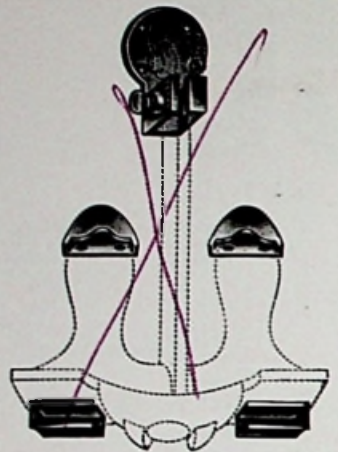


Fig. 938

Consists of five parts illustrated. Head of shank is held in place by an overhang and thumb screw arrangement. For all sizes up to 60 pounds inclusive.

Weight Per Set, 3 pounds

- Complete, per set\$9.50
- Shank support only, each 3.90
- Fluke supports only, per pair .. 3.35
- Arm supports only, per pair .. 2.80

FOR KEDGE ANCHORS

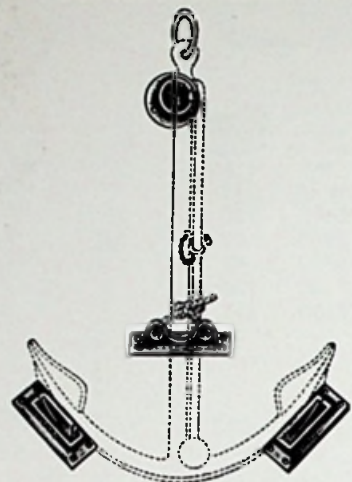


Fig. 939

Consists of four parts illustrated. The lashing piece has two eyes large enough for 3/8 inch diameter rope. For all sizes up to 75 pounds inclusive.

Weight Per Set, 2 1/2 pounds

- Complete, per set\$10.00
- Shank support only, each .. 2.65
- Lashing fitting only, each .. 2.65
- Fluke supports only, per pair 5.50

FOR NORTHILL ANCHORS

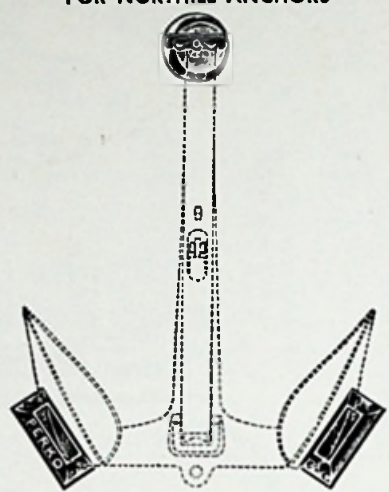


Fig. 941

Consists of three parts illustrated. Part for shank head has threaded bolt to pass through eye of shank, head is fastened down by wing nut and cross bar on bolt. For all sizes up to No. 20-R inclusive.

Weight Per Set, 2 pounds

- Complete, per set\$8.00
- Shank support only, each 3.65
- Fluke supports only, per pair . 4.85

FOR DANFORTH ANCHORS

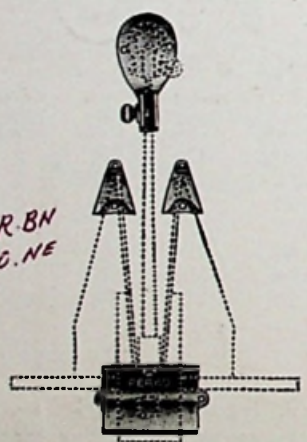


Fig. 933

Consists of four parts illustrated. Head of shank is held fast by slotted casting and thumb screw.

For all sizes up to 30 pounds inclusive.

Weight Per Set, 1 1/4 pounds

- Complete, per set\$8.00
- Shank support only, each 3.50
- Fluke supports only, per pair 2.45
- Crown support only, each 2.45

FOR DANFORTH ANCHORS
CAST MANGANESE BRONZE

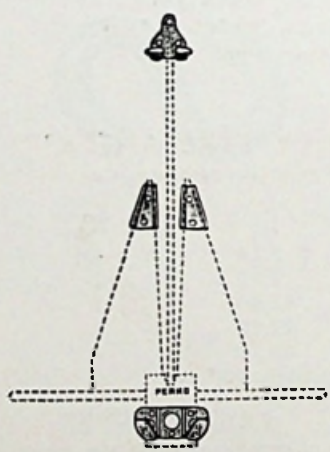
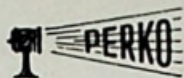


Fig. 1022

Consists of four parts illustrated. Part for shank head has integral cleat for lashing down.

	No. 0	No. 1	No. 2
Complete per set	\$8.75	\$9.50	\$12.50
Shank support only, each .	3.00	3.25	4.20
Fluke supports only, per pair	3.50	4.10	5.50
Crown support only, each .	3.50	4.10	5.50
For size anchor, pounds ..	4 and 5	8 to 28	40 to 90
Weight per set, pounds ..	3/4	1 1/2	2

NOTE—All above anchor chocks can be supplied in burnished white nickel finish to order, add 15% to price. Standard Package, Entire Page Except Fig. 1022, 6 Sets*



Non-Fouling KEDGE ANCHORS
GALVANIZED DROP FORGED STEEL

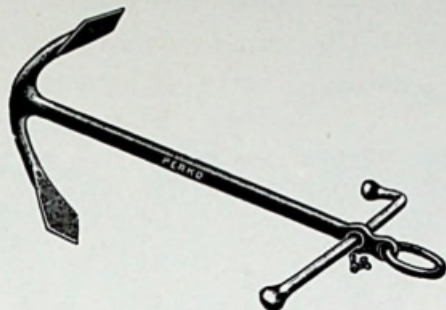


Fig. 236

The result of a great deal of experimenting and testing, the flukes are designed to bite and hold on the first pull of the cable. A welded reinforcing under each fluke will prevent bending or breaking under maximum strain.

Weight Pounds	Galvanized Each	Length Overall Inches	Width Across Flukes Inches
5	\$ 9.85	21	13
10	13.50	26	15 ³ / ₄
15	15.75	29	18
20	22.00	32	19
25	23.50	36	20
30	28.30	36	20
35	33.30	40	22
42	35.50	40	22
50	47.00	43	24 ¹ / ₂
60	51.00	44 ¹ / ₂	27 ¹ / ₂
75	61.00	46	29
100	84.00	50	32
125	110.00	52 ¹ / ₂	32
150	125.00	59	34 ¹ / ₂

Standard Package, 5-15 lb. Sizes, 25**
Standard Package, 20-42 lb. Sizes, 12**
Standard Package, 50-100 lb. Sizes, 6**
Standard Package, Larger Sizes, 3**

NAVY TYPE ANCHORS
DROP FORGED SHANK—GALVANIZED



Fig. 45

Weight Pounds	Each	Weight Pounds	Each
5	\$ 4.25	25	\$14.30
10	6.75	30	16.75
15	9.00	40	25.00
20	11.00	50	30.00
		60	36.00

Standard Package, up to 15 lb. inc., 25**
Standard Package, larger sizes, 12**

GRAPNELS
GALVANIZED DROP FORGED STEEL
FIVE PRONG



Fig. 207

Weight Pounds	Galvanized Each	Weight Pounds	Galvanized Each
4	\$ 8.50	15	\$18.25
7	10.50	20	24.50
10	13.00		

Standard Package, 6*
Larger sizes—prices on application.

FISHERMAN'S ANCHORS
FOR SMALL BOATS

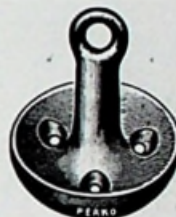


Fig. 1028

Weight Pounds	Self Colored Each	Galvanized Each	Diam. Inches	Height Inches
7	\$2.80	\$4.10	6	8
11	3.90	5.85	7	9
15	4.90	7.45	8	10

Standard Package, 25**

NORTHILL UTILITY ANCHORS
HEAT TREATED DUCTILON—GALVANIZED

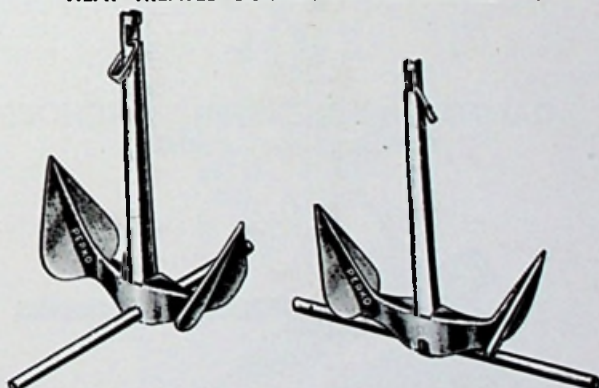


Fig. 1067

Type No.	Galv. Each	Weight Pounds	Com- parative Weight Kedge Type Pounds	Com- parative Weight Navy Type Pounds
Rowboat	\$ 5.10	3		
3R	13.30	5	30	50
6R	25.00	10	65	110
12R	46.50	24	130	225
20R	62.00	40	225	400
30R	83.50	59	350	610
50R	124.50	91	525	918

Note—Rowboat Anchor 12" long—10" wide.

"DANFORTH" ANCHORS
GALVANIZED STEEL

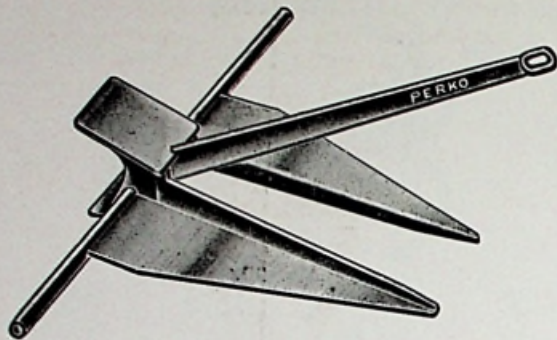


Fig. 700

Fig. 700A "STANDARD"
FLUKES FABRICATED FROM HIGH STRENGTH
ALLOY STEEL PLATE. SHANK IS DROP
FORGED STEEL

Weight Pounds	Length Overall Inches	Each	Weight Pounds	Length Overall Inches	Each
2½	17¼	\$ 4.70	40	40¾	\$48.50
4	19	7.50	65	50	65.00
8	24	14.80	85	54	84.00
13	28½	23.50	130	52	128.00
22	35	35.00	180	52	178.00

Larger sizes, price on application.

Fig. 700B "HIGH TENSILE"

FLUKES FABRICATED FROM ROLLED-ALLOY
STEEL SECTIONS. SHANK IS DROP FORGED
ALLOY STEEL.

Holding power equal to "Standard" anchors of about twice the weight.

Weight Pounds	Length Overall Inches	Each	Weight Pounds	Length Overall Inches	Each
5	21	\$14.50	28	39½	\$ 56.00
12	27½	28.00	60	49¾	105.00
18	34	39.50	90	53½	136.00

DANFORTH "SHEARPIN" ANCHORS
FOR SMALL BOAT FISHERMEN

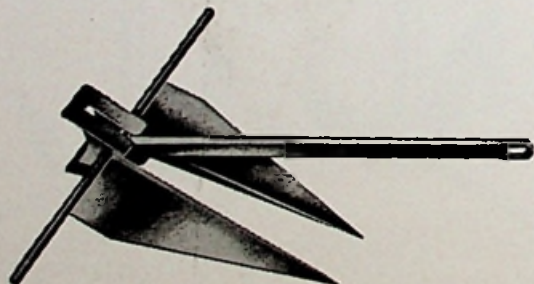


Fig. 700C

Designed to pull out backward, or crown first. Copper shearpin will allow strain of about 250 pounds at normal scope but will break at about a 30 pound pull when the boat is brought over a snagged anchor.

Weight Pounds	Each	Length Inches
4	\$ 7.50	19
8	14.80	24

Pick Up Buoys
GALVANIZED SHEET IRON

FLAT TOP



Fig. 234

CONE TOP



Fig. 235

Pick up handle is riveted to body. Eye on bottom for rope. All double seamed and soldered.

Length shown does not include eye and handle.

Fig. 234

No.	Each	Diam. Inches	Length Inches	Weight Pounds
1	\$13.25	9	14	4
2	15.50	12	18	5

Fig. 235

No.	Each	Diam. Inches	Length Inches	Weight Pounds
0	\$ 8.80	7	11	3
1	12.25	13	22	5
2	14.50	16	24	6½

Junior MOORING BUOY
FOR RUNABOUTS AND ALL SMALL BOATS
GALVANIZED SHEET IRON



Fig. 318

Made of sheet iron with ½ inch forged steel galvanized rod through a galvanized pipe in body. Rod has eye on top and swivel on bottom. All the strain is on the rod.

Load capacity, half submerged, 25 lbs., dead weight. Equal to 35 feet of ¼ inch chain.

No.	Each	Diam. Body Inches	Length Body Inches	Weight Pounds
1	\$19.25	12	15	10

With rubber bumper around upper part of body add \$1.50 each.

Round Steel MOORING BUOY
 17" DIAM.—18 GAUGE—WELDED—GALVANIZED
 STEEL ROD THROUGH CENTER—EYE ON TOP
 SWIVEL ON BOTTOM WITH 1 1/2" DIAM. RUBBER
 BUMPER—ORANGE FINISH



Fig. 1068

Body of buoy is grooved to firmly hold rubber bumper in place. The buoy rod passes through a length of pipe and is not attached to body of buoy. All strain is on the rod.

Load capacity, half submerged is 60 pounds, dead weight, equal to 75 feet of 1/4 inch chain or 32 feet of 3/8 inch chain.

No. 1 protected with one coat zinc chromate and one coat orange enamel.

No. 2 is hot dipped galvanized inside and outside after fabrication.

No.	Each	Diameter Rod Inches	Size Inside Swivel Inches	Weight Pounds
1	\$42.00	3/8	3 1/2 x 2	17
2	51.00	3/8	3 1/2 x 2	18 1/2

Hold Fast MOORING BUOY
 WITH RUBBER BUMPER
 GALVANIZED SHEET IRON



Fig. 445

A heavy gauge galvanized sheet iron body, a 3/8 inch forged rod through a galvanized pipe in the body, large eye on top, large heavy swivel on bottom, a substantial rubber bumper set in groove of body, will not mar or scratch hull of boat.

No. 1 Load Capacity, dead weight — 60 pounds
 No. 2 Load Capacity, dead weight — 100 pounds

No.	Each	Diam. Body Inches	Length Body Inches	Length Overall Inches	Inside Diam. Eye Inches	Weight Pounds
1	\$29.00	13	22	33 1/2	3	15
2	38.00	17	27	38 1/2	3	24

New "Float-Rite" MOORING BUOY
 GALVANIZED SHEET IRON
 GALVANIZED STEEL ROD THROUGH CENTER
 1 1/2" DIAMETER RUBBER BUMPER



Fig. 300

Designed to float in vertical position for better visibility and allow the bumper to serve its best purpose. All strain is on the buoy rod.

An excellent buoy for small cruisers.

Load capacity, dead weight 30 lbs.

Each	Diam. Body Inches	Length Body Inches	Length Overall Inches	Inside Diam. Eye Inches	Weight Pounds
\$22.00	12	20	30	3	11

Cone MOORING BUOY
 WITH RUBBER BUMPER
 GALVANIZED SHEET IRON

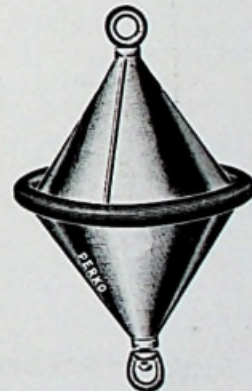


Fig. 370

Heavy galvanized iron, iron pipe running all the way through buoy, heavy galvanized 3/8 inch buoy rod through pipe allowing body to swivel, eye on top, swivel on bottom, body grooved for bumper which is of heavy 1 1/2 inch outside diameter rubber hose.

No.	Each	Body Size Inches	Load Capacity Dead Weight Pounds
1	\$44.00	16x24	35
2	55.00	20x30	60
3	67.00	24x36	90

Size does not include swivel or eye.



oar LEATHERS and BUTTONS

RUSSET LEATHER



Fig. 233

A high grade russet leather and button.

	Per Pair
Complete, Leathers and Buttons	\$1.50
Leathers Only—7x6½ Inches	1.25
Buttons Only—½x13 Inches .....	.25

Sword Fish DARTS
CAST BRONZE
POINT GROUND AND SHARPENED



Fig. 805

Burnished Each	Length Inches	Weight Ounces	Packed Per Box
\$1.10	5	5	12
Standard Package, 12			

DART SHANKS
IRON SHANK—CAST BRONZE SOCKET

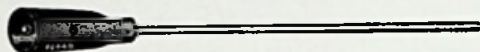


Fig. 655

Length overall, 24 inches; Weight, 1¼ pounds.
Each \$4.00
Standard Package, 6

“SAV-OR”
COMBINATION OAR SLEEVE AND STOP
BLACK MOULDED NATURAL RUBBER



Fig. 648

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.

Fits snugly to shape of oar yet easy to attach.

Inside diameter is tapered from 1½ inches at small end to 1¾ inches at large stop end.

Each	Length Inches	Outside Diameter Stop Inches	Thickness Stop Inches	Weight Ounces
\$1.65	9	3	¾	6½

Standard Package, 12

Quarter Round RUBBER MOULDING
BLACK



Fig. 471

Generally used as trim or moulding around cabin windows and windshields.

Size ¾ x ¾ inches
Per Foot — \$.19

Supplied only in lengths of 25 feet.
Standard Package, 4 lengths

Sail Makers PALMS
HIDE MOUNTED



Fig. 411

No.		Right Hand Per Doz.	Left Hand Per Doz.
2	Seaming—Half Hide	\$14.50	\$15.00

“Right Hand” supplied unless otherwise specified.

DRIP MOULDING
WHITE SYNTHETIC RUBBER
NOT EFFECTED BY SUN OR WEATHER



Fig. 192

Per Foot	Height Inches	Extension Inches	Weight Per Foot Ounces
\$.25	¾	¾	1½

Supplied only in standard lengths of 10 feet.
Standard Package, 5 lengths



Continuous HINGE
WROUGHT BRASS OR
18-8 STAINLESS STEEL

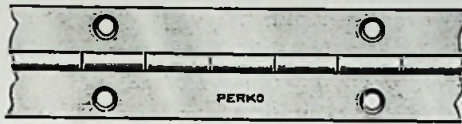


Fig. 211

For use on hatch covers, locker doors, windshields, etc.
Holes are two inches apart, center to center.

Width Open Inches	Length Inches	Polished Brass Each	Brass Chromium Plated Each	Polished Stainless Steel Each	Thickness Inches
1 1/4	60	\$5.00	\$6.50	\$8.20	.040
1 1/4	72	6.00	7.80	9.85	.040
1 1/2	60	5.35	6.75	9.05	.040
1 1/2	72	6.45	8.10	10.85	.040
2	60	6.35	7.75		.045
2	72	7.50	9.15		.045

1 1/4" and 1 1/2" sizes drilled for No. 5 F. H. Wood Screw.
2" size drilled for No. 6 F. H. Wood Screw.
Standard Package, 25*

Flat Hatch TRIM
WROUGHT BRASS OR
18-8 STAINLESS STEEL



Fig. 243

For finishing around edges of hatch. Drilled and countersunk off center for No. 6 flat head screws.

NO	Width Inches	Length Inches	Brass Chromium Plated Each	Polished Stainless Steel Each	Thickness Inches
1	1 1/4	60	\$4.00	\$4.00	.040
2	1 1/4	72	4.50	4.85	.040
3	1 1/2	60	4.50	4.35	.040
4	1 1/2	72	5.30	5.25	.040

Standard Package, 25*

Aluminum Fender MOULDING
ANODIZED ALUMINUM—POLISHED FINISH
DRILLED FOR WOOD SCREWS, 6 INCH CENTERS



Fig. 193

Width Inches	12 Foot Lengths Each	16 Foot Lengths Each	Thickness Inches	Drilled For Screw No.	Weight Per Foot Ounces
1/2	AB \$3.00		1/8	4	1
3/8	4.00 BI		1/8	5	1 1/4
3/4	LF 4.50	\$6.00 PRI	3/16	6	1 1/2

3/4 inch size supplied in 12 or 16 foot lengths. Please specify.

Standard Package, 12 lengths*

Rubber FENDER MOULDING
HALF ROUND—WHITE



Fig. 158

Width Inches	Per Foot	Thickness Inches	Weight Per 100 Ft. Pounds
1	\$.28	1/2	22

Supplied only in 50 foot lengths.
Standard Package, 2 lengths

Fender MOULDING
18-8 STAINLESS STEEL .045" THICKNESS
POLISHED

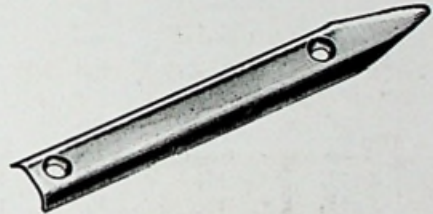


Fig. 110

Punched and countersunk 8 inch centers for No. 7 oval head wood screws.

- 6 foot length has both ends pointed.
- 12 foot length has one end pointed.
- 16 foot length has both ends pointed.

6 Foot Lengths Each	12 Foot Lengths Each	16 Foot Lengths Each	Width Outside Inches	Width Inside Inches	Weight Per Ft. Ounces
\$3.95	\$7.90	\$12.00	3/8	3/4	3

Standard Package, 12 lengths*

MOULDING ENDS
CAST BRONZE—CHROMIUM PLATED



Fig. 111

For finishing cut end of moulding Fig. 110.

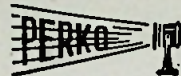
Each	Length Overall Inches	Length Head Inches	Width Neck Inches	Weight Ounces
\$1.50	2 3/8	1 3/8	3/4	1 1/2

MOULDING COUPLINGS
CAST BRONZE



Fig. 38

For inside of Fig. 110 moulding at joint.
Each \$.40



Mortise LOCK SETS CAST BRONZE

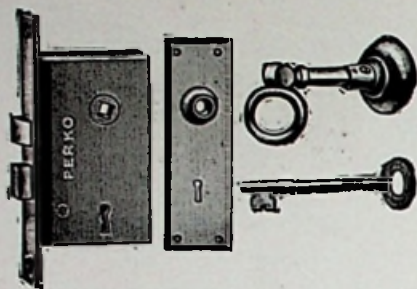


Fig. 945-A or B

Set A—With two combination escutcheons, round knob and drop handle, one key.

Set B—With two combination escutcheons and two round knobs, one key.

No.	Size Case Inches	Thickness Case Inches	Size Facing Inches	Backset Inches
1	2 3/4 x 2	1/2	4 x 3/4	1 1/2
2	3 x 2 1/4	1/2	4 1/2 x 1 1/8	1 3/8

No.	Size Escutcheon Inches	Diameter Knob Inches	Size Spindle Inches	Weight Pounds
1	4 x 1 3/8	1 3/4	3/8	1 1/4
2	5 x 1 1/2	1 3/4	3/8	1 1/2

No.	Complete		Knobs Only		Escutcheons Only	
	Polished Bronze Per Set	Chrom. Plated Per Set	Polished Bronze Per Set	Chrom. Plated Per Set	Polished Bronze Each	Chrom. Plated Each
1	\$14.00	\$16.85	\$7.00	\$8.95	\$2.50	\$3.15
2	16.85	19.65	7.00	8.95	2.95	3.90

Rim LOCK SETS CAST BRONZE

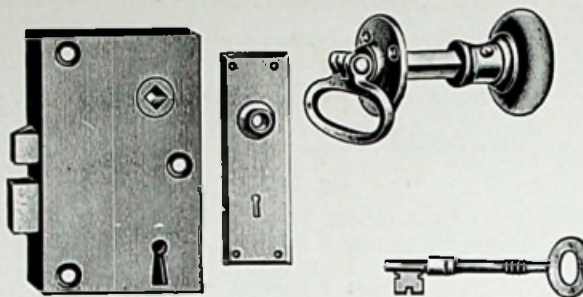


Fig. 1046-A or B

Set A—With one combination escutcheon, round knob and drop handle, one key.

Set B—With one combination escutcheon and two round knobs, one key.

No.	Size Case Inches	Thickness Case Inches	Backset Inches
1	2 3/4 x 2	1/2	1 3/8
2	3 1/2 x 2 1/4	3/8	1 1/2

No.	Size Escutcheon Inches	Diameter Knob Inches	Size Spindle Inches	Weight Pounds
1	4 x 1 3/8	1 3/4	3/8	1 1/8
2	5 x 1 1/2	1 3/4	3/8	1 1/2

No.	Complete		Knobs Only		Escutcheons Only	
	Polished Bronze Per Set	Chrom. Plated Per Set	Polished Bronze Per Set	Chrom. Plated Per Set	Polished Bronze Each	Chrom. Plated Each
1	\$13.40	\$16.20	\$7.00	\$8.95	\$2.50	\$3.15
2	16.20	19.00	7.00	8.95	2.95	3.90

Be sure to specify style A or B and size No. 1 or No. 2.

Extra keys for above locks furnished to order.

Mortise LATCH SETS CAST BRASS

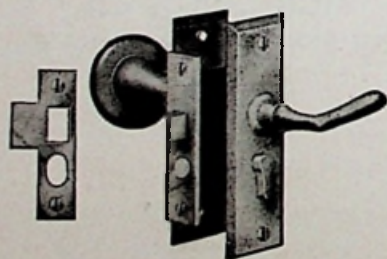


Fig. 960

Polished Brass Per Set	Chromium Plated Per Set	Size Case Inches	Combination Escutcheon Inches	Facing Inches	Backset Inches	Spindle Round Hub Inches	Diameter Round Knob Inches	Door Thickness Min. Inches
\$7.75	\$10.30	1 3/8 x 1 5/8 x 3/8	4 x 1 1/2	3/4 x 3 1/4	1 3/4	1/2	1 3/4	3/8

Knob outside, drop handle inside, locked by thumb lever inside, no keys. Complete with screws.

Rim LATCH SETS CAST BRASS

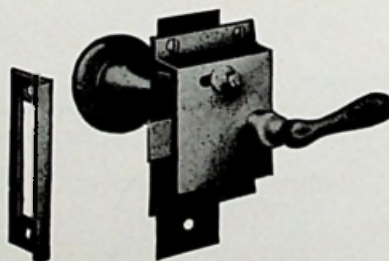


Fig. 1057

Polished Brass Per Set	Chromium Plated Per Set	Size Case Inches	Escutcheon Size Inches	Backset Inches	Spindle Hub Inches	Diameter Round Knob Inches	Door Thickness Min. Inches
\$10.00	\$13.85	3 x 2 x 3/8	4 x 1 1/2	1 1/2	1/4	1 3/4	3/8

Knob outside, drop handle inside, locked by slide stop inside, no keys. Complete with screws.

Tubular LATCH SETS

ALL BRASS—FOR SMALL CABIN DOORS
POLISHED OR CHROMIUM PLATED

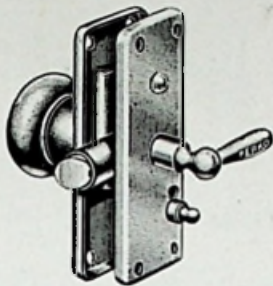


Fig. 567

Polished Brass Each	Chromium Plated Each	For Thickness Doors Inches	Size Escutcheon Inches	Size Knob Inches	Back-set Inches
\$5.75	\$7.75	3/8 to 1 3/8	4 3/8 x 1 3/8	1 3/4	1 3/8

Anti-Rattle DOOR FASTENER

CAST BRASS

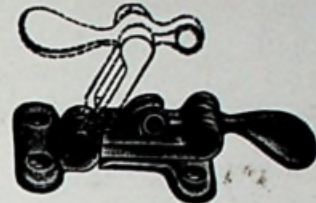


Fig. 1108

Has 1/4 inch hole in lever for padlock.

Polished Brass Each	Chromium Plated Each	Size Base Inches	Weight Ounces
\$3.50	\$4.60	3x2	6

Standard Package, 25*

DOOR BUTTONS

CAST BRASS BUTTON—WROUGHT BRASS PLATE



Fig. 948

No.	Diam. Inches	Polished Brass		Chromium Plated	
		Complete Per Dozen	Without Plate Per Dz.	Complete Per Dozen	Without Plate Per Dz.
1	1 1/2	\$6.25	\$2.50	\$11.75	\$4.25
2	1 3/4	7.65	3.00	12.75	4.85
3	2	9.00	3.60	13.25	5.50

Standard Package, 3 Dozen*

New Push-Pull LATCH SETS

DIE CASTINGS—CHROMIUM PLATED

*3/24/58
CHESLER CAST
#1.30 SET N*

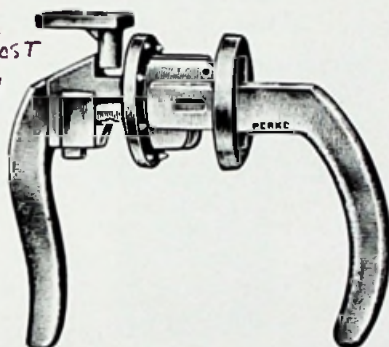


Fig. 584

Factory pre-assembled for fastest installation. Just bore a single one-inch hole. Self adjusting for various door thicknesses, minimum thickness 3/4 inch.

Positive locking—stainless steel springs.

Per Set \$4.50

Standard Package, 6 Sets

Friction CATCHES

ALL BRASS—ADJUSTABLE TENSION

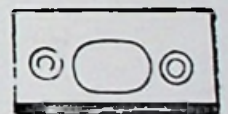
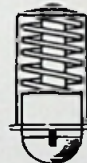


Fig. 178

Above cuts are full size.

Supplied complete with either round or oblong strike. Please specify.

Per Gross — \$25.00

Sliding Door LATCHES

CAST BRASS

HALF MORTISE—REVERSIBLE

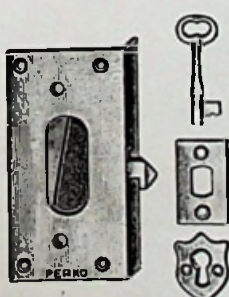


Fig. 573

Operated from inside by finger lever, from outside by key.

Complete with strike, key and shield escutcheon for keyhole.

No.	Size Case Inches	Width Face Inches	Weight Ounces
1	3 1/2 x 1 3/4	3/8	6
2	5 x 3	1 1/8	20

No.	Polished Brass Per Set	Chromium Plated Per Set
1	\$8.30	\$10.75
2	12.00	13.85

Elbow CATCHES

CAST BRASS

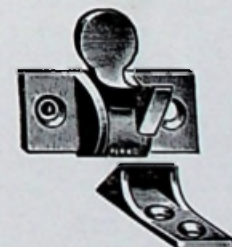


Fig. 1056

Plain Brass Each	Polished Brass Each	Chromium Plated Each	Size Base Inches	Weight Ounces
\$.70	\$1.00	\$1.40	1 3/8 x 3/8	1

Standard Package, 25*



CUPBOARD CATCHES
CAST BRASS

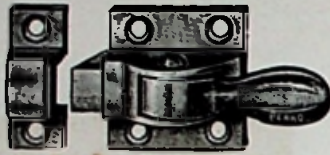


Fig. 1102

Furnished complete with screws.

No.	Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
1	\$2.25	\$2.75	1½x1½	1½
2	2.25	2.75	1½x1½	1½

No. 2 has ¼ inch offset.

CUPBOARD BOLT
CAST BRASS

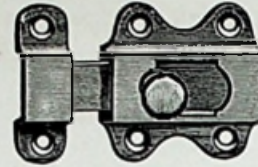


Fig. 1101

Emery Finish Each	Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
\$1.50	\$1.75	\$2.25	1¾x1½	1½

CUPBOARD TURNS
WROUGHT BRASS

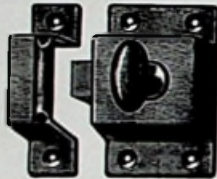


Fig. 1105

Furnished complete with screws.

Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
\$2.00	\$2.60	2¼x1½	3

Flush RING CATCHES
CAST BRASS

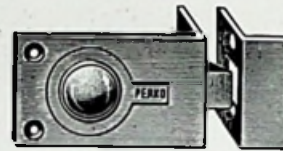


Fig. 1051

Polished Brass Each	Chromium Plated Each	Size Inches	Weight Ounces
\$1.70	\$2.20	1¾x1½	1½

CUPBOARD TURNS
CAST BRASS

U. S. GOVT. TYPE NO. 1082-1083

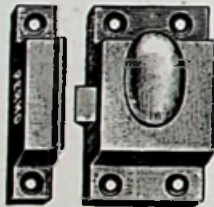


Fig. 949

No.	Emery Finish Each	Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Per Dozen Pounds
1	\$2.20	\$2.35	\$2.90	1¾x1½	2½
2	2.35	2.70	3.25	2¼x1¾	3¾

Flush RING PULLS
CAST BRASS



Fig. 841

No.	Polished Brass Each	Chromium Plated Each	Size Plate Inches	Weight Ounces
1	\$.90	\$1.25	1¼x1½	1
2	1.05	1.45	1½x1½	1½

Flush RING PULLS
CAST BRASS
WITH ROUND STOCK IN RING

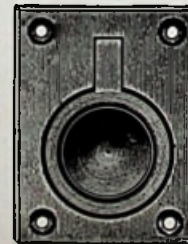


Fig. 1103

No.	Emery Finish Each	Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Ounces
1	\$1.45	\$1.60	\$2.00	1½x1	1¾
2	1.60	1.80	2.20	1½x1½	2
3	1.75	1.90	2.40	1½x1½	2¼
4	1.80	2.00	2.50	1½x1¾	2½

CUPBOARD CATCHES
CAST BRASS

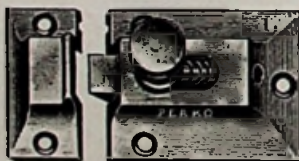


Fig. 950

No.	Emery Finish Each	Polished Brass Each	Chromium Plated Each	Without Strike Inches	Weight Ounces
1	\$1.45	\$1.60	\$2.00	1½x1	1¾
2	1.60	1.80	2.20	1½x1½	2
3	1.75	1.90	2.40	1½x1½	2¼
4	1.80	2.00	2.50	1½x1¾	2½

No.	Polished Brass Each	Chromium Plated Each	Size Plate Inches	Weight Ounces
1	\$1.15	\$1.70	1¼x1½	1¾
2	1.45	2.00	1½x2½	2¾
3	2.25	2.90	2 x2¾	3¾



Fig. 956 Dec. 1957

BARREL BOLTS
CAST BRASS

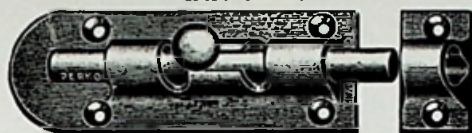


Fig. 947

No.	Polished Brass Each	Chromium Plated Each	Length Rod Inches	Size Base Without Strike Inches	Weight Per Dozen Pounds
1	\$1.60	\$2.15	2 1/4	2 x 1	1 1/2
2	2.05	2.80	3	3 x 1 1/8	2
3	2.40	3.40	4	3 1/2 x 1 1/4	3

FLUSH BOLTS
CAST BRASS

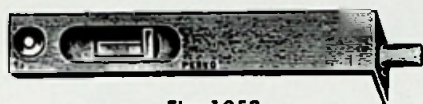


Fig. 1052

No.	Polished Brass Each	Chromium Plated Each	Size Inches	Weight Ounces
1	\$2.25	\$2.85	3/8 x 2 1/2	1 1/2
2	2.40	2.95	3/8 x 3	2

SHIP BOLTS
CAST BRASS

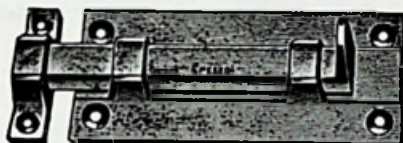


Fig. 1053

No.	Polished Brass Each	Chromium Plated Each	Size Without Strike Inches
1	\$1.40	\$1.80	2 3/8 x 1 1/8
2	1.95	2.50	3 3/8 x 1 3/8
3	2.80	3.50	4 3/4 x 1 3/8

SQUARE NECK BOLTS
CAST BRASS



Fig. 1054

No.	Polished Brass Each	Chromium Plated Each	Size Inches
1	\$1.95	\$2.50	3 x 1 1/4
2	2.40	3.00	4 x 1 1/4

WINDOW BOLTS
CAST BRONZE SPRING TYPE



Fig. 1055

No.	Polished Bronze Each	Chromium Plated Each	Base Inches
1	\$1.80	\$2.15	1 1/8 x 1 1/4

Pol. Br. Chrome

1 1/2	.28 1/2	.437
2	.294	.447
2 1/2	.33 1/4	.503
3	.37	.56
3 1/2	.39	.58
4	.47 1/2	.627
5	.513	.684
6	.57	.76
1 1/2	1.0	1.5
2	1.10	1.65
3	1.65	2.25
4	2.00	2.75
5	2.40	3.25
6	2.80	3.75

Cabin DOOR HOOKS
DOUBLE JOINTED
CAST BRASS

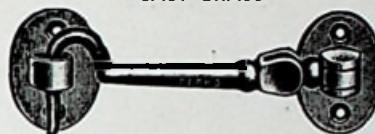


Fig. 957

Length Overall Inches	Polished Brass Each	Chromium Plated Each	Length Overall Inches	Polished Brass Each	Chromium Plated Each
2	\$2.05	\$2.50	4	\$2.50	\$3.10
2 1/2	2.05	2.50	5	3.50	4.20
3	2.15	2.60	6	3.65	4.50

Cabinet LATCHES
CAST BRASS

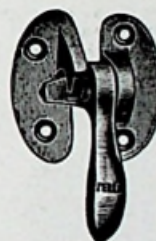


Fig. 1064

With flush striking plate and brass pin, spring closing. Made either right or left hand.

Polished Brass Each	Chromium Plated Each	Length Overall Inches	Length Lever Inches
\$1.40	\$1.68	2 1/2	2

Specify right or left hand.

Refrigerator FASTENERS
CAST BRASS



Fig. 1063

Made either right or left hand with flush striking plate. Holds door without strain on the rivet. Has brass pin.

Illustration shows right hand.

No.	Chromium Plated Each	Length Overall Inches	Size Lever Inches
1	\$3.85	5	4

Specify right or left hand.



Cupboard DOOR HOLDERS
BRASS PLATED

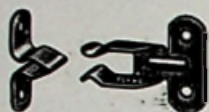


Fig. 1178

A useful little friction catch for use on cabinets, closets, cupboards and all small doors, size overall — $1\frac{1}{2} \times 1\frac{1}{8}$ inches.

Per Dozen\$1.25

DOOR HOLDERS
SIDE PATTERN
CAST BRONZE

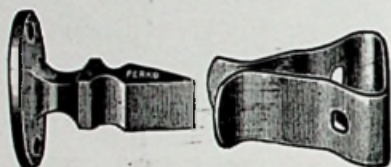


Fig. 1065

Polished Bronze Per Set	Chromium Plated Per Set	Base of Holder Inches	Base of Clip Inches	Projection Inches
\$1.90	\$2.45	$1\frac{1}{8} \times \frac{3}{4}$	$2\frac{1}{8} \times \frac{3}{4}$	2

DOOR STOPS
CAST BRONZE
RUBBER TIP



Fig. 1109

Furnished complete with screws.

Polished Bronze Each	Chromium Plated Each	Diam. Base Inches	Projection Inches	Weight Ounces
\$1.70	\$2.45	2	$1\frac{1}{8}$	4

DOOR STOP and HOLDER
CAST BRASS



Fig. 574

Polished Brass Each	Chromium Plated Each	Diam. Base Inches	Projection Inches	Weight Ounces
\$4.10	\$5.00	$1\frac{1}{8}$	$3\frac{1}{2}$	$7\frac{1}{4}$

Security HINGED HASPS
WROUGHT BRASS—14 B. & S. GAUGE

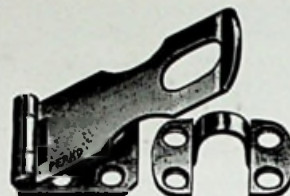


Fig. 979

A lightweight but strong hasp. Ideal for lockers, cupboards, chests, etc.

Polished Brass Each	Chromium Plated Each	Length Closed Inches	Width Inches	Weight Ounces
\$.95	\$1.20	$2\frac{3}{8}$	1	$1\frac{1}{4}$

Security HINGED HASPS
CAST BRONZE



Fig. 955

Length Closed Inches	Emery Finish Each	Polished Bronze Each	Chromium Plated Each	Width Inches	Weight Ounces
2	\$1.25	\$1.50	\$2.00	1	$1\frac{1}{2}$
3	1.30	1.60	2.10	1	$2\frac{1}{2}$
$3\frac{3}{4}$	1.50	1.95	2.50	$1\frac{1}{8}$	$4\frac{1}{2}$

SAFETY HASPS
EXTRA HEAVY CAST BRONZE



Fig. 1060

Emery Finish Each	Polished Bronze Each	Chromium Plated Each	Length Inches	Width Inches	Weight Ounces
\$3.55	\$3.95	\$5.00	$4\frac{1}{2}$	$1\frac{1}{2}$	13

TABLE LEG FASTENERS
CAST BRASS

For fastening table leg to deck.

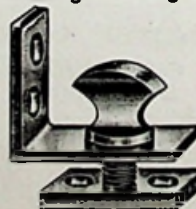


Fig. 719

Plain Brass Each	Polished Brass Each	Chromium Plated Each	Length Angle Inches	Width Angle Inches	Weight Ounces
\$2.25	\$2.75	\$3.50	$1\frac{1}{4}$	$\frac{7}{8}$	4

Standard Package, 6*



Flush Hatch LIFTING RING
CAST BRASS—SAFETY TYPE



Fig. 575

No recess to catch heels, chair or table legs, etc.

No.	Polished Brass Each	Chromium Plated Each	Size Plate Inches	Inside Ring Inches	Weight Ounces
1	\$1.50	\$1.95	2½x1¾	1½	3¼
2	2.20	2.80	2¾x2¼	1¾	6

Flush Hatch LIFTING HANDLE
CAST BRONZE—SAFETY TYPE



Fig. 774

No recess to catch heels, chair or table legs, etc.

No.	Polished Bronze Each	Chromium Plated Each	Size Plate Inches	Inside Handle Inches	Weight Ounces
1	\$3.40	\$4.00	3x2¼	1¾x1	6

Standard Package, 12*

DRAWER PULLS
CAST BRASS

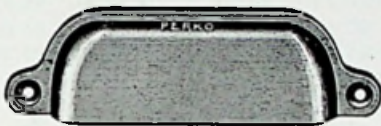


Fig. 958

No.	Polished Brass Each	Chromium Plated Each	Width Overall Inches	Width Inside Inches	Weight Ounces
1	\$.60	\$.90	3½	2½	2
2	.85	1.15	4	2¾	3

Flush DROP HANDLES
CAST BRASS

RECESSED TYPE—FOR CHESTS, HATCHES, ETC.



Fig. 1111

No.	Emery Finish Each	Polished Brass Each	Chromium Plated Each	Size Plate Inches	Width Inside Handle Inches	Weight Ounces
1	\$2.60	\$2.85	\$3.55	3 x 2¼	1¾	4
2	2.70	3.00	3.80	3½x2¼	2¾	6½
3	5.25	5.90	7.00	4¾x4	2¾	19

FLUSH PULLS
CAST BRASS

FOR DRAWERS, SASH OR SLIDING DOORS

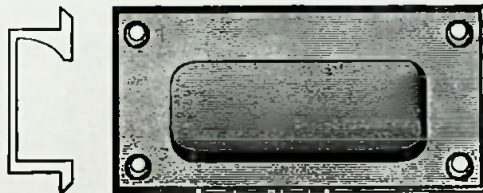


Fig. 1110

Inside recessed for finger grip as illustrated.

Polished Brass Each	Chromium Plated Each	Dimensions Inches	Mortise Depth Inches	Weight Ounces
\$1.70	\$2.20	3½x1¾	½	4

DRAWER KNOBS
BRASS—FOR DRAWERS UP TO 1 1/8" THICK



Fig. 925

Polished Brass Per Dozen	Chromium Plated Per Dozen	Diameter Inches	Weight Per Dozen Ounces
\$7.60	\$10.60	1	12

Surface DROP HANDLES
CAST BRASS
SWINGS HALF WAY ONLY

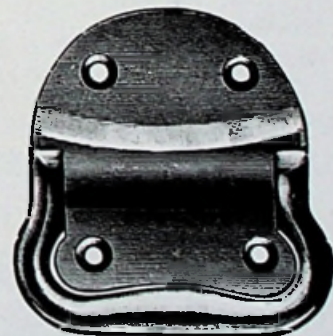


Fig. 1115

No.	Emery Finish Each	Polished Brass Each	Chromium Plated Each	Dimensions Inches	Width Inside Handle Inches	Weight Ounces
1	\$1.75	\$2.25	\$2.85	2¼x2¾	2¼	4½
2	2.25	3.10	4.00	3¾x3¾	2¾	8
3	2.70	4.45	5.25	3¾x3¾	3¾	10



STRAP HINGES

GALVANIZED MALLEABLE IRON OR BRASS
BRASS PINS



Fig. 120

Length Open Inches	Galvanized Per Pair	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Weight Per Pair Pounds
4	\$1.40	\$2.40	\$3.70	\$4.75	$\frac{3}{8}$
6	2.20	3.05	5.25	6.50	$\frac{3}{8}$
8	3.15	4.25	7.00	8.75	$\frac{3}{8}$
10	3.80	6.00	9.00	11.00	$1\frac{1}{8}$
12	5.75	8.65	11.75	14.75	$1\frac{3}{8}$

Standard Package, Brass Only, 12 Pair*

PORT HINGES

GALVANIZED MALLEABLE IRON OR BRASS
BRASS PINS

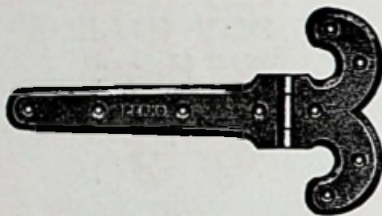


Fig. 109

Length Open Inches	Galvanized Per Pair	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Weight Per Pair Pounds
4	\$1.95	\$3.50	\$5.60	\$6.70	$\frac{1}{2}$
6	2.50	4.65	7.60	9.00	$\frac{3}{8}$
8	4.65	7.50	10.95	12.75	$1\frac{1}{2}$
10	6.75	10.20	15.00	17.25	2
12	8.95	13.50	18.60	22.00	$2\frac{5}{8}$

Standard Package, Brass Only, 12 Pair*

CUDDY DOOR HINGES

WROUGHT BRASS—THICKNESS .060 INCHES



Fig. 924

Polished Brass Per Doz. Pairs	Chromium Plated Per Doz. Pairs	Length Open Inches	Extreme Width Inches
\$16.10	\$20.95	$2\frac{3}{8}$	$1\frac{1}{8}$

Packed one dozen pairs per box.

CUDDY DOOR HINGES

CAST BRASS



Fig. 951

Length Open Inches	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair
3	\$1.60	\$2.10	\$2.65
$3\frac{1}{2}$	1.80	2.30	3.00
4	2.00	2.50	3.35
5	2.60	3.20	4.80

Fast Pin BUTT HINGES

CAST BRASS—BRASS PINS

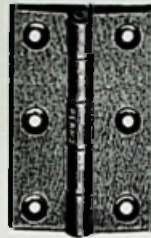


Fig. 952

Size Open Inches	Emery Finish Per Dz. Pairs	Polished Chromium Plated Per Dz. Pairs	Size Open Inches	Emery Finish Per Dz. Pairs	Polished Chromium Plated Per Dz. Pairs
$1\frac{1}{2} \times 1\frac{1}{4}$	\$17.10	\$33.30	$2\frac{1}{2} \times 2\frac{1}{2}$	\$33.75	\$55.45
$1\frac{1}{2} \times 1\frac{1}{2}$	17.10	33.30	3 x 2	36.25	64.65
2 x $1\frac{1}{4}$	18.20	38.00	3 x $2\frac{1}{2}$	38.00	66.10
2 x $1\frac{1}{2}$	19.65	38.00	3 x 3	41.90	73.55
2 x $1\frac{3}{4}$	20.25	42.25	$3\frac{1}{2} \times 3\frac{1}{2}$	55.75	
2 x 2	20.85	44.10	4 x 3	63.60	
$2\frac{1}{2} \times 1\frac{3}{4}$	25.90	54.35	4 x 4	78.50	
$2\frac{1}{2} \times 2$	33.75	58.40			

Loose Pin BUTT HINGES

BRASS WITH BRASS PINS



Fig. 953

Size Open Inches	Pol. Brass Per Pair	Chromium Plated Per Pair	Size Open Inches	Pol. Brass Per Pair	Chromium Plated Per Pair
$1\frac{1}{2} \times 1\frac{1}{2}$	\$3.15	\$4.10	3 x 2	\$5.45	\$7.20
2 x $1\frac{1}{2}$	3.65	4.80	3 x $2\frac{1}{2}$	5.60	7.40
2 x 2	4.20	5.75	3 x 3	5.85	7.70
$2\frac{1}{2} \times 2$	4.80	6.30	$3\frac{1}{2} \times 3\frac{1}{2}$	7.10	
$2\frac{1}{2} \times 2\frac{1}{2}$	5.25	7.00	4 x 4	7.60	

Butterfly HINGES

WROUGHT BRASS—PLAIN

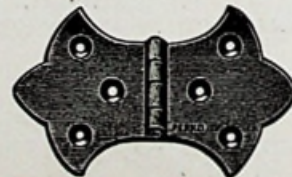


Fig. 1058

No.	Plain Brass Per Pair	Polished Brass Per Pair	Chromium Plated Per Pair	Length Open Inches	Width at Pin Inches	Weight Per Pair Ounces	Thickness Inches
1	\$.25	\$.40	\$.65				
2	.40	.55	.85				
				1	$2\frac{1}{8}$	$\frac{1}{2}$	.040
				2	$3\frac{1}{8}$	$1\frac{1}{2}$	.045



SASH HINGES CAST BRONZE

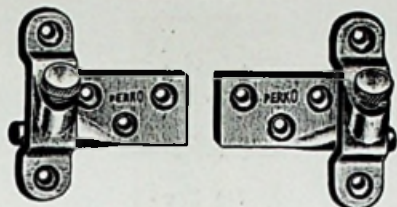


Fig. 418

A set consists of two brackets with adjusting screws and two hinge plates, right and left hand.

No.	Size of Hinge Plates Inches	Size of Bracket Base Inches	Length of Pin Inches	Weight Per Set Ounces
1	1 1/4 x 3/4	2 1/2 x 1 1/4	3/4	6
2	1 1/4 x 3/4	3 1/4 x 1 1/4	3/4	7

No.	Polished Bronze Per Set	Chromium Plated Per Set
1	\$3.25	\$4.50
2	3.85	5.00

SPRING HINGES WROUGHT BRASS—PLAIN



Fig. 1059

No.	Per Pair	Length Inches	Width Open Inches	Weight Per Pair Ounces
1	\$1.10	2 3/8	1 1/8	3
2	1.65	3	2 3/8	5

HATCH HINGES CAST BRONZE



Fig. 773

For use with flush hatch cover.

Polished Bronze Per Pair	Chromium Plated Per Pair	Length Inches	Width Overall Inches	Weight Per Pair Pounds
\$8.75	\$11.00	3 3/4	2 3/8	1 3/4

Illustration shows one half pair.

LADDER HINGES CAST BRONZE



Fig. 556

Polished Bronze Per Pair	Chromium Plated Per Pair	Length Open Inches	Width Inches	Weight Per Pair Ounces
\$7.60	\$8.65	5 3/4	3/4	9

FLAP HINGES

WROUGHT BRASS—THICKNESS .050 INCHES



Fig. 929

Polished Brass Per Pair	Chromium Plated Per Pair	Length Open Inches	Extreme Width Inches	Weight Per Pair Ounces
\$.75	\$.95	2	3/8	1 1/4

WARDROBE HOOKS CAST BRASS

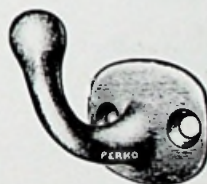


Fig. 635

Fig.	Chromium Plated Each
635	\$.80
1106	.85



Fig. 1106

Projection Inches	Width Inches	Weight Ounces
2	1 1/4	1
3/4	2 3/8	1 1/4

CABINET HINGES

BRASS—POLISHED OR CHROMIUM PLATED
FLUSH OR OFFSET

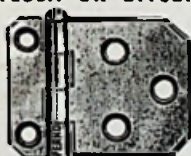


Fig. 772

Packed one dozen pairs per box, complete with screws.
Offset is 3/8 inch.

Offset	Polished Brass Per Doz. Pairs	Chromium Plated Per Doz. Pairs	Size Open Inches	Gauge	Weight Per Pair Ounces
Flush	\$21.60	\$26.00	2 x 1 1/2	14	2
	21.60	26.00	2 x 1 1/2	14	2

COAT AND HAT HOOKS CAST BRASS



Fig. 959

Polished Brass Each	Chromium Plated Each	Projection Inches	Width Base Inches	Weight Ounces
\$.65	\$.85	2 3/8	1 3/8	1 3/4



HATCH SUPPORT HINGES
CAST BRASS

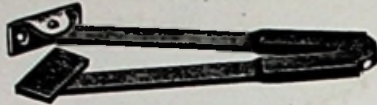


Fig. 758

Cut shows left hand hinge.

Length Open Inches	Polished Brass Per Pair	Chromium Plated Per Pair	Drilled for Screw No.	Weight Ounces Per Pair	Packed Per Box Pairs
8	\$4.40	\$5.60	5	4	12
10	5.00	6.25	6	6	12
12	5.40	6.75	6	8	12
18	8.25	10.50	6	16	6

SASH LIFTS
CAST BRONZE



Fig. 776

No.	Size of Plate Inches	Chromium Plated Each	Weight Ounces
1	1/2 x 1 1/2	\$.80	1/2
2	3/4 x 1 1/2	.85	3/4

HATCH ADJUSTERS
CAST BRONZE

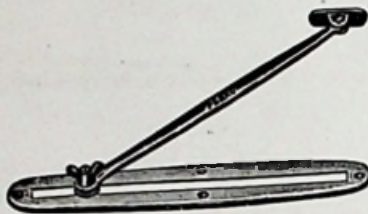


Fig. 797

Polished Bronze Each	Chromium Plated Each	Length Arm Inches	Length Adjustment Inches	Length Plate Inches	Weight Ounces
\$5.65	\$7.10	10	9 1/2	10 3/4	13

SASH ANTI RATTLERS
CAST BRONZE

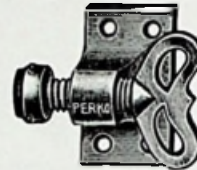


Fig. 839

Furnished with leather tip to prevent defacing of woodwork. Size of base 1 3/8" x 1".

Polished Bronze, Each	\$2.50
Chromium Plated, Each	2.90

CASEMENT ADJUSTERS
ALL BRASS—HEAVY PATTERN

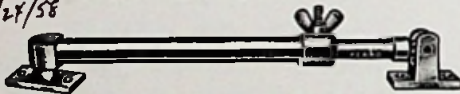


Fig. 1179

A non-slip adjuster with powerful grip to stay put in position desired.

Illustration shows swivel base on left side and swinging base on right.

No.	Chromium Plated Each	Length Closed Inches	Length Open Inches	Diam. Outside Tube Inches	Weight Ounces
1	\$7.75	10	17	1/2	9
2	9.00	12	20	3/4	11

Standard Package, 12*

SASH or SKYLIGHT FASTENERS
CAST BRONZE



Fig. 770

Size Inches	Burnished Finish Each	Polished Bronze Each	Chromium Plated Each
3/8 x 4	\$3.80	\$4.90	\$5.50

Standard Package, 12*

CASEMENT or WINDSHIELD ADJUSTERS
CAST BRASS

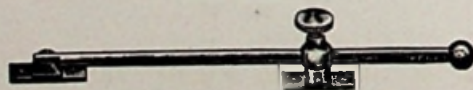


Fig. 1116

No.	Machine Polished Each	Chromium Plated Each	Length Inches	Diam. Rod Inches	Weight Ounces
1	\$6.25	2.50	6.60	2.75	8
2	6.35	2.55	6.70	2.85	10
3	6.45	2.60	6.80	2.95	12

Standard Package, 12*

SASH FASTENERS
LEFT OR RIGHT HAND
CAST BRONZE



Fig. 777

Polished Bronze Each	Chromium Plated Each	Size Mounting Plate Inches	Weight Ounces
\$1.35	\$1.75	1 3/4 x 1	1 1/2

Please specify left or right hand.

WMG-2/28/58
#2-368

11/13/57
9/16 must get



PAINT SCRAPER SET

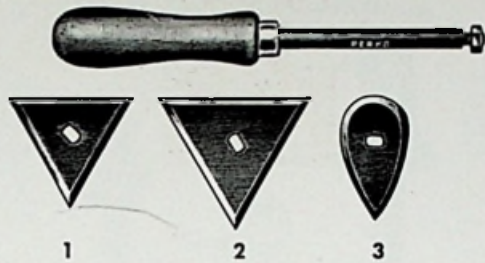


Fig. 1015

Per Set — \$3.45

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—2¼x2¼ inches.

No. 2 Blade, Triangular—3x3 inches.

No. 3 Blade, Oval—2½x1¼ inches.

Length Handle—8½ inches.

Weight Per Set, 9 Ounces.

DOUBLE END SCRAPERS

FINE GRADE TOOL STEEL
HEAT TREATED

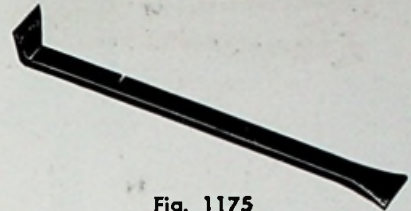


Fig. 1175

Per Dozen	Length Inches	Width Inches	Thickness Inches	Width Blade Inches	Weight Per Dozen Pounds
\$15.00	15	1	¼	1¾	13

MARLINE SPIKES

POLISHED STEEL
FOR WIRE ROPE

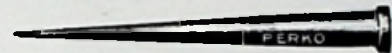


Fig. 921

Length Inches	Each	Weight Pounds
8	\$4.25	½
10	4.50	¾
12	5.00	1
14	5.50	1¼
16	6.00	2
18	7.00	2½

PAINT SCRAPERS



Triangular
Fig. 626

Oval
Fig. 918

Fig.	Complete Per Doz.	Size Blade Inches	Length Inches	Weight Per Doz. in Lbs.
626	\$13.20	3 x 3	9	6
918	16.50	2½x1½	9	5½

FOR MANILA ROPE



Fig. 922

Length Inches	Each	Weight Pounds
6	\$1.85	½
8	1.85	¾
10	2.00	1
12	2.50	1½
14	3.00	2
16	3.80	2½
18	5.00	3

SHIP SCRAPERS

GIBBS PATTERN—TEMPERED STEEL BLADES



Fig. 920

Each	Size Blade Inches	Length Inches
\$5.50	4½x¼	17

HAND FIDS

MAPLE



Fig. 923

For use in splicing ropes and light flexible cables; has a rounded end for hand use; varnished finish.

CAULKING IRONS

MALLEABLE IRON



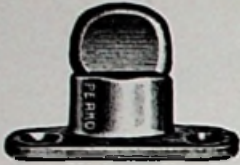
Fig. 307

Size No.	Per Dozen	Thickness Inches	Length Inches	Width Blade Inches	Weight Per Dozen in Lbs.	Weight Per Dozen Pounds
00	\$19.80	½	5	2	3½	4½
0	19.80	⅙	5½	2½	4½	7½
1	21.50	¼	5½	2½	5½	10½
						18



CURTAIN FASTENERS

ALL BRASS—WITH BRASS SCREW



FLANGED STUD
Single Fig. 994
Double Fig. 995



SCREW STUD
Single Fig. 991
Double Fig. 998



Eyelet
Fig. 996



Washer
Fig. 997

Stud Figs. 991, 998 has brass $\frac{3}{8}$ " No. 7 wood screw.
Single Studs are used with one Fig. 996 and one Fig. 997.

Double Studs are used with two Fig. 996 and two Fig. 997.

Fig.	Brass Finish Per 100	Nickel Plated Per 100	Chromium Plated Per 100
991	\$30.75	\$31.35	\$34.50
994	23.80	24.40	27.30
995	26.10	26.70	29.90
996	3.50	3.80	6.40
997	1.85	2.15	4.90
998	33.10	33.70	37.15

Standard Package, 500††

HAND PUNCH

FOR ABOVE CURTAIN FASTENERS
CAST IRON WITH STEEL CUTTERS



Fig. 284 Each \$9.00

HAND SCREW DRIVER

FOR "LIFT THE DOT" STUDS
STEEL WITH WOOD HANDLE



Fig. 290 Each \$3.05

"Lift The Dot" FASTENERS

ALL BRASS—WITH BRASS SCREW



STUD
With Wood Screw
Single Fig. 114
Double Fig. 115



STUD
For Machine Screw
Single Fig. 156



SOCKET
Single Fig. 116
Double Fig. 117



Clinch Plate
Fig. 118



Clinch Stud
Single Fig. 60
Double Fig. 61



Clinch Washer
Fig. 62



STUD
With Tapping Screw
Single Fig. 90

Stud Figs. 114, 115 has brass $\frac{1}{2}$ " No. 8 wood screw.

Stud Fig. 156 is tapped for No. 6-32 screw.

Stud Fig. 90 has steel $\frac{3}{8}$ " No. 8 self-tapping screw.

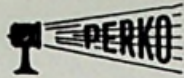
Single Studs are used with one Fig. 116 and one Fig. 118.

Double Studs are used with two Fig. 117 and two Fig. 118.

Fig.	Brass Finish Per 100	Nickel Plated Per 100	Chromium Plated Per 100
60	\$6.70	\$7.00	\$9.60
61	14.20	14.50	17.40
62	1.90	2.15	4.75
90	7.55	7.85	10.45
114	17.00	17.40	19.90
115	18.40	18.80	21.30
116	9.60	9.90	13.35
117	9.90	10.20	13.95
118	2.00	2.20	4.90
156	16.25	16.85	19.20

Standard Package, 500††

Note—Price of Fig. 156 does not include machine screw, just the tapped stud only.



"Durable Dot" FASTENERS
ALL BRASS—WITH BRASS SCREW



Button
Fig. 896



Socket
Fig. 898



Eyelet
Fig. 907



STUD
With Wood Screw
Fig. 900



STUD
With Tapping Screw
Fig. 906



STUD
For Canvas
Fig. 901

Stud Fig. 900 has brass 1/2" No. 6 wood screw.

Stud Fig. 906 has steel 3/8" No. 7 self-tapping screw.

For canvas to wood, use Figs. 896, 898 and 900.

For canvas to canvas, use Figs. 896, 898, 901 and 907.

Fig.	Brass Finish Per 100	Nickel Plated Per 100	Chromium Plated Per 100
896	\$2.80	\$3.10	\$5.80
898	2.15	2.45	5.25
900	6.90	7.20	9.90
901	1.30	1.50	4.35
906	5.70	6.10	8.70
907	1.30	1.50	4.35

Standard Package, 500 ††

HAND SET TOOL
FOR ABOVE BUTTONS AND EYELETS
STEEL

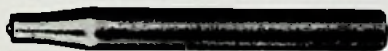


Fig. 905 Each \$1.70

HAND PUNCH
FOR "LIFT THE DOT" FASTENERS
CAST IRON WITH STEEL CUTTERS



Fig. 285 Each \$4.00

CURTAIN or GROMMET HOOKS

CAST BRASS



Fig. 1000

Plain Brass Per Dozen
\$2.80

Diam. Flange Inches
3/8

Length Screw Inches
1/2

GROMMET HOLE CUTTERS

FORGED STEEL



Fig. 903

No.	Each	Diam. Hole Inches	No.	Each	Diam. Hole Inches
0	\$2.40	1/4	4	\$3.00	1/2
1	2.40	3/32	5	5.25	5/8
2	3.00	1/32	6	5.25	3/4
3	3.00	3/8			

SENIOR GROMMET DIES

FORGED STEEL

Style B for inserting Spur Grommets

Style C for inserting Washer and Teeth Grommets



Fig. 902

Size No.	Style B Each	Style C Each	Weight Each Lbs.
0	\$ 6.75	\$ 6.75	1 1/4
1	7.00	7.00	1 3/8
2	7.20	7.20	1 3/8
3	7.30	7.30	1 3/8
4	8.25	8.25	2 3/8
5	9.75	9.75	2 3/8

Use a wooden mallet with above dies.



United States Coast Guard

New Revised Motor Boat Rules & Regulations Governing Navigation Lights.

Effective June 4, 1956 — Public Law No. 522

OPTION No. 1

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

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

OPTION No. 2

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

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

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

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

SAFETY EQUIPMENT

VESSELS	0 to less than 16 feet	16 to less than 26 feet	26 to less than 40 feet	40 to not more than 65 feet
WHISTLE	NONE	1 — hand, mouth, or power-operated. Audible at least ½ mile.	1—hand or power-operated. Audible at least 1 mile.	1 — power-operated. Audible at least 1 mile.
BELL	NONE	NONE	1 — which produces, when struck, a clear bell-like tone of full round characteristics.	
LIFESAVING DEVICES	1 — approved life preserver, buoyant vest, ring-buoy, or buoyant cushion for each person on board.			1—approved life preserver or ring buoy for each person on board.
FLAME ARRESTERS	1 — on each carburetor of all gasoline engines installed after April 25, 1940, except outboard motors. (Approved)			
VENTILATION	At least 2 ventilators with cowls or equivalent capable of removing gases from the bilges in engine and fuel tank compartments of boats constructed or decked after April 25, 1940, using gasoline or other fuel of a flashpoint less than 110° Fahrenheit.			
FIRE EXTINGUISHERS	Any one of the following types of extinguishers: 1 quart vaporizing liquid 1½ gallon foam 4 pound CO ₂ 4 pound dry chemical None required on pleasure outboard motorboats of open construction.		Any two of the following types of extinguishers: 1 quart vaporizing liquid 1½ gallon foam 4 pound CO ₂ 4 pound dry chemical	Any three of the following types of extinguishers: 1 quart vaporizing liquid 1½ gallon foam 4 pound CO ₂ 4 pound dry chemical



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 continual 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.

FOG 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).



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628	113	697	133	768	120	846	10
629	140	698	106	769	120	847	107
630	68	699	106	770	182	848	107
631	147	700-A	170	771	76	857	138
632	147	700-B	170	772	181	861	130
635	181	700-C	170	773	181	862	130
636	108	701	80	774	179	865	109
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639	126	704	79	777	182	877	141
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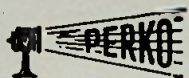
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907	185	982	31	1068	171	1170	32
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911-A	17	988	49	1072	104	1179	182
912-A	17	989	148	1073	104	1180	33
913-A	17	990	148	1075	33	1210	42
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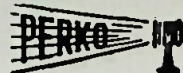


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