

PERKO®

"The difference is distinctive"



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

CATALOG NO. 235

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LIGHTS & HARDWARE



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Marvin S. Perkins
PRESIDENT

An Open Letter To Our Customers:

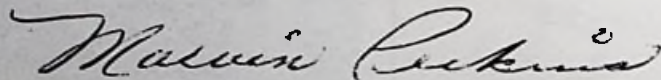
Since Perko's inception at the turn of this century, we have undergone extensive and significant changes. From an initial product line of only a few items, we now manufacture close to 5,000 separate products — exclusively for the marine industry. Office and manufacturing facilities — which once were combined together in one small room — now span approximately 225,000 square feet. Distribution, once confined to a small area, is now worldwide.

Yes, Perko has changed in many ways. But in some ways, we haven't changed at all.

"Commitment to Excellence" is a phrase we do not use lightly; it was of primary importance when this company was formed. It remains our operating philosophy today.

We are pleased, and gratified, to have the reputation as manufacturers of the finest marine lights, hardware, and accessories in the world. We have worked hard to earn that reputation; we work equally hard at maintaining it.

And we take this opportunity to re-affirm our commitment to excellence.



Marvin Perkins,
President

DIRECTORS



NATHAN LIPPMAN
Treasurer



MARVIN S. PERKINS
President



FREDERICK M. PERKINS
Secretary



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Vice President



ALLEN W. MATTHEWS, JR.
Vice President — Sales

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Sales Mgr.



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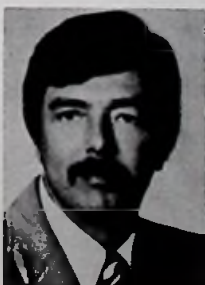
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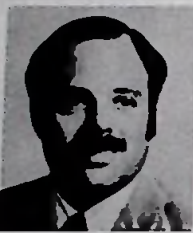


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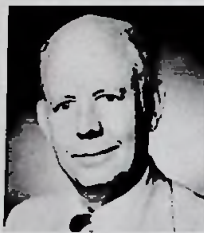


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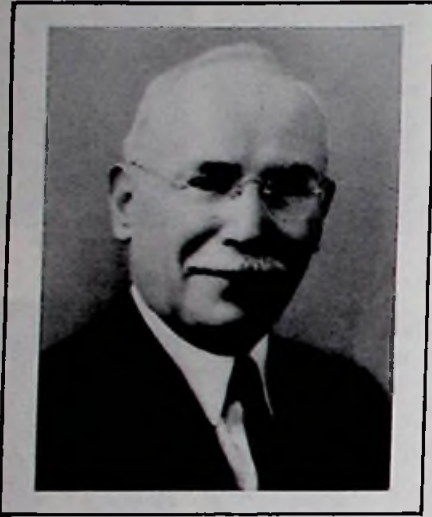
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Wm. D. Greene

THE PERKO® STORY



Frederick Perkins
CO-FOUNDERS
Louis E. Perkins



The origin of Perko may be traced back to the late 1800's. It was then, just prior to the turn of the century, that Frederick Perkins founded a small manufacturing plant in lower Manhattan.

By 1907, he was heavily involved in the manufacturing of a large variety of marine products. And in late 1916, the company — known as Perkins Marine Lamp, Inc. — outgrew its facilities and moved to what was then the farmlands of Brooklyn. It was at this time that Frederick's son, Louis, joined the company.

New products were added to the line, and sales activities expanded beyond the Northeast. The company offered cast bronze lights and hardware, first to the maritime industry, and then to the growing pleasure boat market. In 1922, the "Perko" trademark was introduced.

In the late 1920's the company introduced copper and nickel-plated products from its own plating department. When chromium plating was perfected in the 1930's the first Perko chromium-plated hardware appeared.

The 1930's was a period of exceptional growth. During this time, the company's reputation for manufacturing fine marine lights, hardware, and accessories for the pleasure boating market spread far and fast. In 1932, the company name was changed to Perkins Marine Lamp and Hardware Corporation.

This growth period necessitated additional facilities. The original one story manufacturing plant in Brooklyn grew to five stories. Ultimately, six more buildings were added until finally there was no more room for expansion.

Lou Perkins, who became Perko's president in 1947 upon the passing of his father, Frederick, was responsible for most of the plant expansion. It was in this year, also, that Lou's son Marvin joined the firm.

The company continued to grow, and, by the late 1950's, it was obvious that there was no more room for expansion in the Brooklyn site. It was then that Lou and Marvin made the decision to move the entire operation to Miami, Florida.

In 1960, Perko was able to entice Roy Hollenbeck into joining the company. Roy's extensive experience in manufacturing, plating, engineering, designing, and production was perfectly suited for his first challenge — to plan and coordinate the move from New York to Miami.

It was agreed that instead of separate facilities, everything should be placed under one roof. Additionally, since the new plant was to be quite large and extensive,

encompassing a whole range of complete in-house production capabilities — from mill material to finished product — most subcontractors could be eliminated. Roy spent a great deal of time in laying out the plans for the new building and supervising the construction to insure that everything was located precisely where the plans indicated.

Finally, in January 1961, the company moved into its present site in North Miami, Florida. In late 1961, Perko's bronze foundry was established. In 1962, one die-cast machine was operational. Three years later, the die-casting operation had grown so extensively that a 47,000 square foot wrap-around extension was completed and a highly sophisticated die-casting system was established.

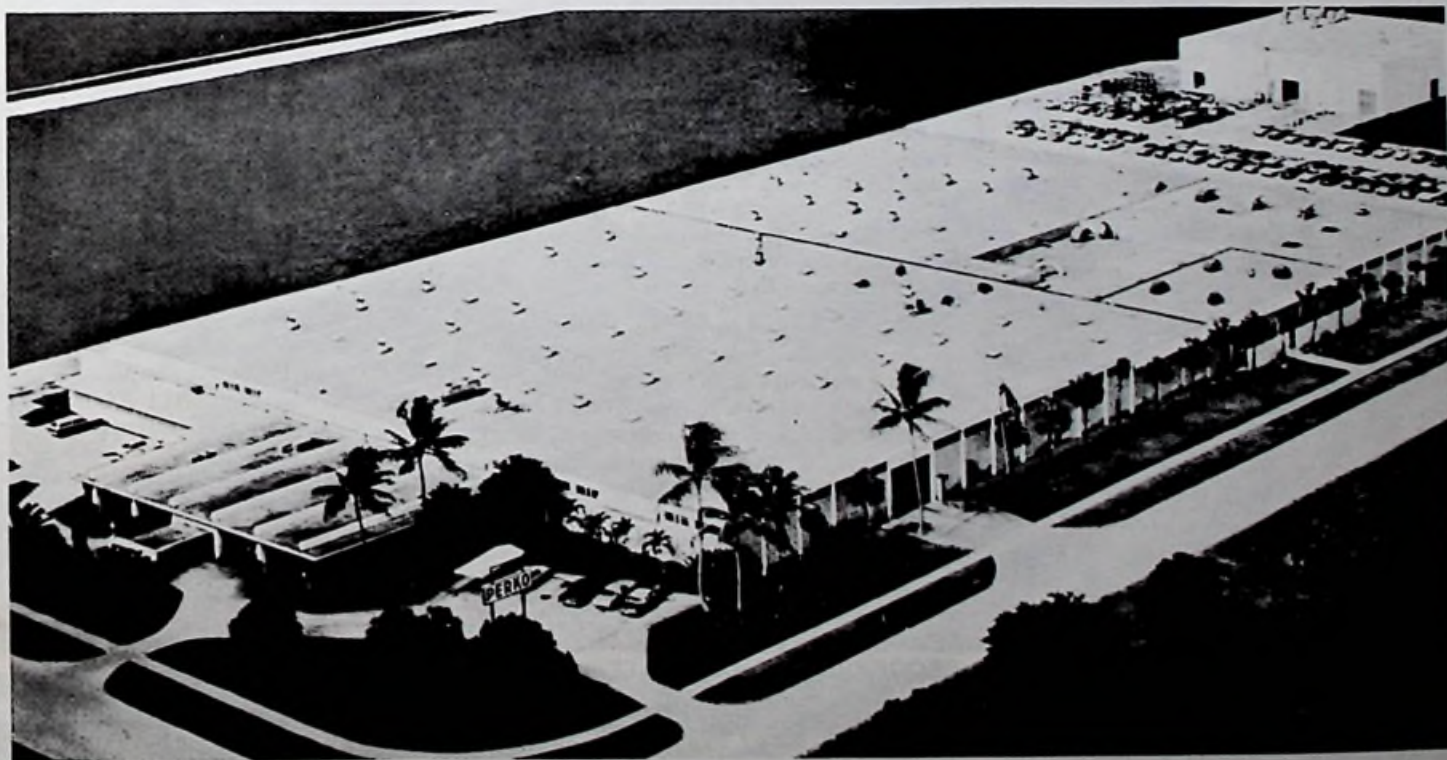
Upon the passing of Louis Perkins in 1964, Marvin continued to add to Perko's facilities. From an initial plant of 78,000 square feet, Perko's facilities now span approximately 225,000 square feet of office and manufacturing space. With this tremendous growth and expansion, you might think that the company would go through a period of stabilization. Not so, however, Perko has continued to innovate, grow, and expand.

In the late 1960's Marvin's son Fred — one of the industry's most knowledgeable authorities on navigational light requirements for vessels of all sizes — joined Perko. At the same time, the company introduced pressure-cast bronze hardware to the marine industry. In 1971, the plating department was

expanded to handle the complete seven-strike Perko-plate chromium plating process.

In 1973, the old foundry was totally replaced with an ultra-modern, 20,000 square foot foundry facility incorporating larger and up-to-date molding and melting equipment. In 1977, the plating department was subsequently updated again with an automated quality-control system and increased capacity. In 1979, a 35,000 square foot plastics injection molding facility became operational.

But from the very inception, and through every growth period, one thing remained constant — Perko's commitment to excellence. In that respect, nothing has changed since the late 1800's.



GENERAL INFORMATION

PRICES AND TERMS

Our costs are subject to change due to causes beyond our control. Therefore, our price list is only intended for guidance of our jobbers and does not necessarily establish resale prices.

Applicable governmental regulations, shipping costs and other complications should be considered in arriving at a fair price.

All prices are subject to change without notice. Terms are 30 days net; 2% if payment is sent 10 days from date of invoice. 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.

SALES POLICY

PERKO Products are sold through our established Distributors. We do not sell direct to the public or organizations not entitled to trade recognition. Therefore, possession of this catalog does not infer an offer to sell. Please contact your local marine supplier.

ONE-YEAR LIMITED WARRANTY

PERKO, INC. (PERKO) warrants to the original consumer purchaser that PERKO's consumer products will be free from defective materials or workmanship, under normal use and service, for a period of one (1) year from the original purchase date.

ALL IMPLIED WARRANTIES, INCLUDING MERCHANTABILITY, ARE ALSO LIMITED IN DURATION TO THE ONE YEAR PERIOD FROM THE ORIGINAL PURCHASE DATE. PERKO SHALL NOT BE LIABLE FOR LOSS OR USE OF ANY OF ITS CONSUMER PRODUCTS, NOR SHALL PERKO BE LIABLE FOR OTHER INCIDENTAL OR CONSEQUENTIAL COSTS, EXPENSES, OR DAMAGES INCURRED BY THE ORIGINAL CONSUMER PURCHASER OR BY ANY OTHER PERSON, FIRM OR CORPORATION.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY OR MAY NOT APPLY TO YOU. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

This Warranty is void if the consumer product warranted has been damaged by accident or unreasonable use, neglect, improper service or other cause not arising out of defects in material or workmanship. Excluded from this Warranty are Electric light bulbs (Lamps), Sealed Beam Units, Batteries, Fuses and all Sacrificial type Zinc Electrolysis Eliminators.

During the warranty period, your PERKO product will either be repaired or it will be replaced with a like product (at PERKO's option) without charge to the original consumer purchaser, when returned prepaid and insured, with proof-of-purchase date to PERKO at its address as listed below. In the event of replacement, the replacement product will continue the warranty of the original product, or ninety (90) days, whichever is longer. **IMPORTANT: FOR THIS WARRANTY TO BE EFFECTIVE PERKO MUST BE SUPPLIED WITH PROOF-OF-PURCHASE DATE OF THE PRODUCT.**

Perko does not authorize any person or company to create for it any other obligation or liability in connection with any of its products.

This Warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

DESIGNS

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

RETURN GOODS

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

WEIGHTS

The weights given in this catalog are approximate, but have been carefully determined and should be sufficient for general purposes.

SHIPPING INSTRUCTIONS

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

SHIPMENTS

F.O.B. OUR PLANT, MIAMI, FLORIDA, unless quoted otherwise. We are not responsible for damage, loss or delay after goods are delivered to carrier. When loss or delay occurs, we will gladly assist in tracing or expediting, but such assistance is no criterion of responsibility.

When there is LOSS OR APPARENT VISIBLE DAMAGE to a shipment, when tendered for delivery, DO NOT give the carrier a clear receipt. Note such damage on the carrier's delivery receipt and HAVE THE DRIVER SIGN THE RECEIPT.

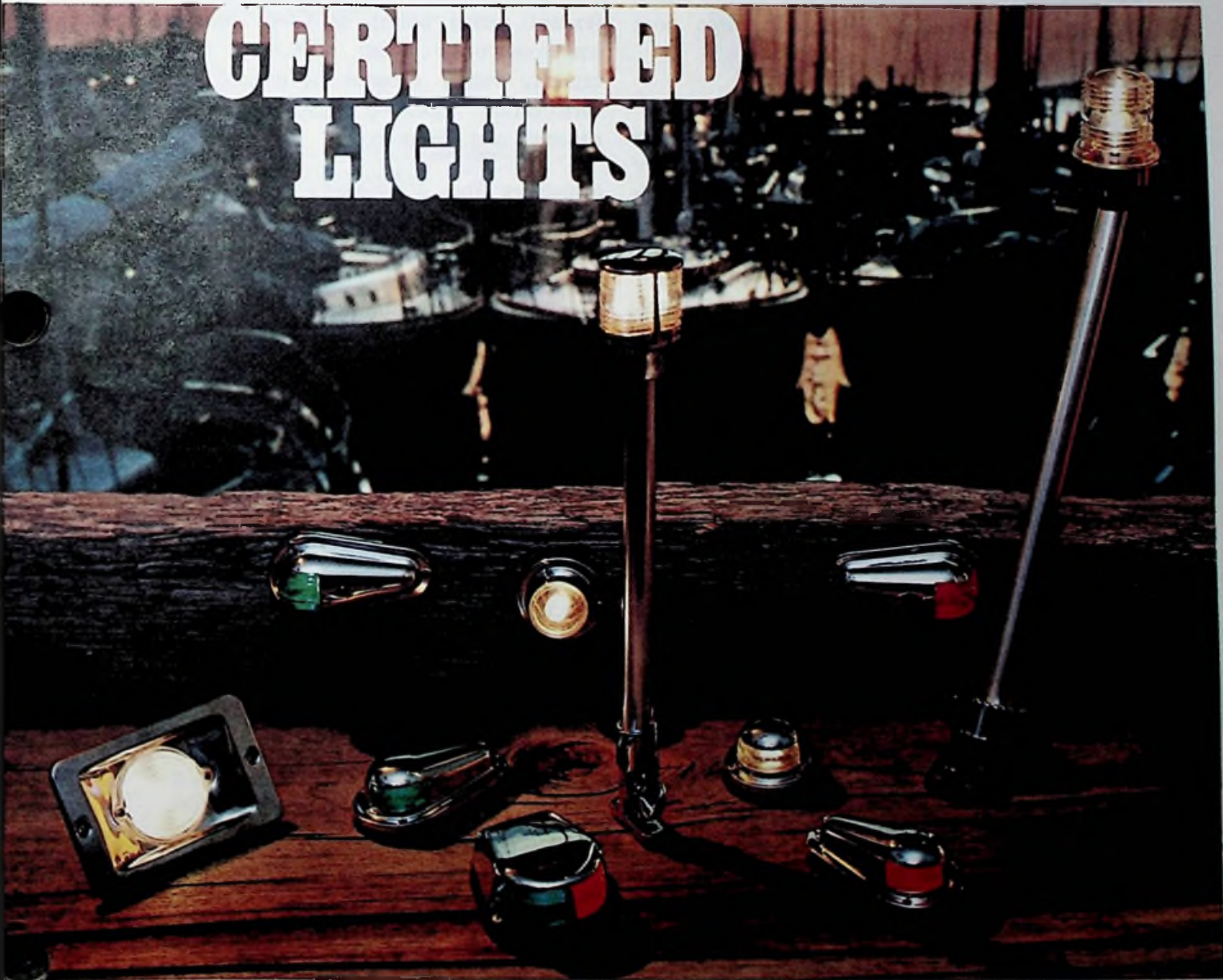
CONCEALED DAMAGE OR LOSS

1. Advise the delivering carrier in writing as soon as discovered or at least no more than 15 days after delivery, and request carrier to make an inspection.
2. RETAIN for the carrier's inspection, the CONTAINER and ALL PACKING that the damaged or lost material was packaged in.
3. SHORTAGES — Must be reported to us within 15 days after receipt of goods.

PERKO®

Navigation lights for vessels under 65 feet...

CERTIFIED LIGHTS



MANUFACTURED BY PERKO, INC. 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164

FOR COMPLETE LINE SEE CATALOG NO. 235

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BOAT CERTIFICATION PROCEDURES

BOATING INDUSTRY ASSOCIATION is a national trade association serving all elements of the recreational boating industry.

Its members include manufacturers of all types of boating equipment — outboard and inboard boats, sailboats, marine engines, outboard motors, boat trailers, boating accessories and supplies.

BOATING INDUSTRY ASSOCIATION has developed certification programs to help manufacturers comply with established standards and safety regulations, and to help inform the public of such compliance when purchasing equipment.

In 1968 BIA inaugurated a certification program for boat manufacturers covering horsepower and

load capacity, flotation, steering and fuel systems, compartment ventilation, navigation lights and backfire flame control.

A manufacturer participating in this program must certify all models less than 26 feet in length (except racing boats) as fitted with standard equipment on a model year basis. BIA's boat capacity rating program is incorporated into certification covering load and horsepower capacity and flotation.

Inspectors from a nationally recognized independent testing laboratory visit the manufacturer, check for the BIA capacity and flotation ratings, and physically inspect each model for compliance with all boat certification standards.

PERKO NAVIGATIONAL LIGHTS TESTED AND SELF CERTIFIED

CERTIFIED

DURING THE PAST SEVERAL YEARS WE HAVE DEVOTED A GREAT DEAL OF TIME AND EXPENSE TO FIELD AND LABORATORY TESTS IN AN EFFORT TO COMPLY WITH B.I.A. STANDARDS AND TO ENABLE US TO CERTIFY ACCORDINGLY.

WHERE WE INDICATE THAT CERTAIN LIGHTS ARE CERTIFIED, IT MEANS THAT ALL TESTS HAVE BEEN COMPLETED AND IN OUR JUDGEMENT, THE LIGHT COMPLIES WITH B.I.A. STANDARDS.

THEY ARE ALSO DESIGNED AND MANUFACTURED TO MEET THE EXISTING REGULATIONS OF THE U.S. COAST GUARD. *

* CG-290 1978

ELECTRIC LAMPS (BULBS)

12 Volt — 32 Volt Equivalents

Our Lights Are Supplied With 12 Volt Lamp Installed, Unless Otherwise Indicated.
32 Volt Lamps Are Supplied as Extra Item But Not Installed In The Light.

12 VOLTS

MFRS. LAMP NO.	PERKO FIG. NO.
90	337 No.11
1004	337 No.12
1142	337 No.13
1144	337 No.14
1416	56 No. 4
212-2	70 No. 1
15-A	340 No. 5
25-A	340 No. 6

32 VOLTS

MFRS. LAMP NO.	PERKO FIG. NO.
624	337 No.18
1228	337 No. 19
1692	337 No.20
1054	337 No.21
1495	56 No. 6
10126	70 No. 2
15-A	340 No.11
25-A	340 No.12

"CHROMALEX"[®] COMBINATION BOW LIGHTS

PATENT NO. 3,828,714

PERKOPLATE CHROMIUM FINISH — RED AND GREEN HIGH INTENSITY FRESNEL LENSES
 DELRIN NON-CORROSIVE DOUBLE CONTACT SOCKET — COMPLETE WITH
 ELECTRIC LAMP INDICATED BELOW

20 POINTS — 225 DEGREES — 1 MILE VISIBILITY
 CERTIFIED WITH A NO. 1004 LAMP, 12 VOLTS 15 C.P. SUPPLIED WITH LIGHT

Size Base	Height Inches	Screw No.	Weight Ounces
4x3-1/8	1-7/8	8	5-1/2

Fig. 1161 Has Silicon Bronze Housing
 Mounted on Black Plastic Base
 Chromium Plated Housing

Each

Fig. 1310 Has Die Cast Zinc Alloy Housing
 Mounted on Black Plastic Base
 Chromium Plated Housing

Each

MARK II Has a Black Plastic Insert on Top of
 Chromium Plated Housing.

Fig. 1410 Has Die Cast Zinc Alloy Housing
 Mounted On Black Plastic Base.

Each

SEE SECTION "M" FOR "CHROMALEX"[®] III
 BOW LIGHT

SKIN PACK — Fig. 1310-SP

One Light Per Card
 Six Cards Per Box
 Weight Per Box, 2½ Pounds

Sold To Trade In Full Box Only

SEE SECTION "L" FOR "CHROMALEX"[®] III
 SKIN PACKED BOW LIGHT

MARK I

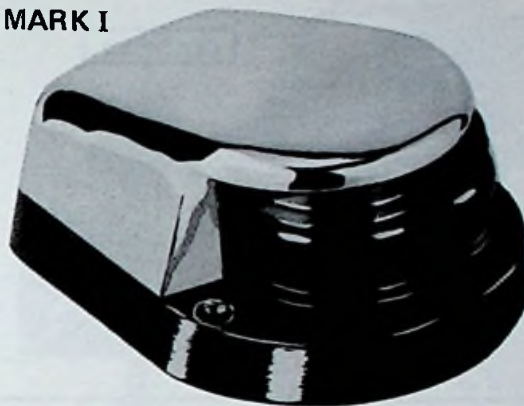


Fig. 1161 — Bronze
 Fig. 1310 — Zinc Alloy

CERTIFIED

MARK II

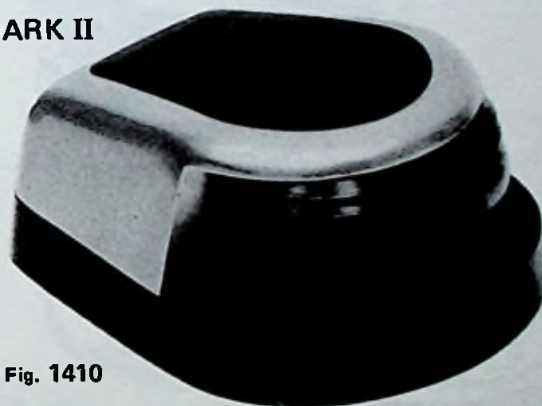


Fig. 1410

CERTIFIED



Fig. 1310-SP

SPARE PARTS

Electric Sockets, See Fig. 24 No. 1
 Lamps or "Bulbs," See Fig. 337 No. 12

Lenses — Red, Specify Fig. 203-R
 Lenses — Green, Specify Fig. 203-G

COMBINATION BOW LIGHT

**DIE CAST ZINC ALLOY – PERKOPLATE POLISHED CHROMIUM FINISH
RED AND GREEN FRESNEL LENSES – DELRIN NON-CORROSIVE DOUBLE CONTACT SOCKET
20 POINTS – 225 DEGREES – 1 MILE VISIBILITY**

THE "RANGER"—Fig. 1218
Certified with No.1004 Bulb, 12 Volt, 15 C.P.
Supplied with Light.



Fig. 1218

CERTIFIED



Fig. 1218-SP

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



SKIN PACK – Fig. 1218-SP

One Light Per Card
Three Cards Per Box
Weight Per Box, 4 Pounds
Sold To Trade In Full Box Only

CERTIFIED

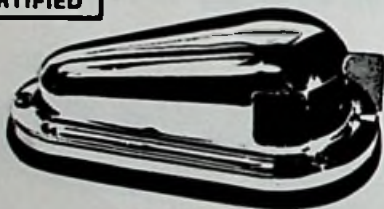


Fig. 904

COMBINATION BOW LIGHTS – Figs. 904 and 972

**Brass – Polished Chromium Plated – Black Plastic Base
20 Points – 225 Degrees – Red and Green Lenses
1 Mile Visibility**

With Stainless Steel Screws For Mounting.

Certified with No. 1416, 12 Volt, 8 C.P. Bulb Supplied
with Light – Brass Miniature Bayonet Type Socket

Fig. 904

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

Fig. 972

Each	Height Inches	Diameter Base Inches	Diameter Neck Inches	Length Neck Inches	Weight Ounces
	1-5/8	2-3/8	3/4	1/2	3



Fig. 972

CERTIFIED



Fig. 972-SP



SKIN PACK – Fig. 972-SP

One Light Per Card
Four Cards Per Box
Weight Per Box, 1 Pound
SOLD TO TRADE IN FULL BOX ONLY

SPARE PARTS

Lenses Red For Fig. 1218 Specify Fig. 259-AR
Lenses Green For Fig. 1218 Specify Fig. 259-AG
Electric Socket For Fig. 1218 Specify Fig. 24 No. 1
Bulb For Fig. 1218 See Fig. 337 No. 12

Lenses Red For Fig. 904 And Fig. 972 Specify Fig. 296R
Lenses Green For Fig. 904 And Fig. 972 Specify Fig. 296R
Electric Socket For Fig. 904 And Fig. 972 Specify Fig. 1109
Bulbs For Fig. 904 And Fig. 972 See Fig. 56, No. 4

COMBINATION BOW LIGHTS — Figs. 970 and 974

Brass Light with Black Plastic Base

Tubing Anodized Aluminum

Deck Fittings are Die Cast Zinc Alloy — Polished Chromium Plated

20 Points — 225 Degrees — Red and Green Lenses

1 Mile Visibility

Certified with No. 1416, 12 Volt, 8 C.P. Bulb Supplied with Light — Brass Miniature Bayonet Type Socket.

Designed for Trolling, Bass Boats etc.

Adjustable or removable when not in use.

When in Fixed Vertical Position, the Light should be seen over the Top of the Electric Trolling Motor.

Fig. 970

* IMPROVED

Light is Removable From Deck Socket for Stowing Away — Makes or Breaks Electric Connection When Inserted or Removed.

*Improvement is the new indexing feature that assures the proper alignment fore and aft.

Has Waterproof Cap for Opening When Light Is Removed

Each	Height Inches	Diameter Flange Inches	Weight Ounces
	8-1/2	2 1/8	8

Fig. 974

Adjustable to Various Angles — Removable or Can Be Laid Down When Not In Use.

Each	Height Overall Inches	Dimensions Base Inches	Weight Ounces
	8-1/2	2 x 5/8	9

CERTIFIED

IMPROVED



Fig. 974

CERTIFIED



Fig. 970

GLARE SHIELDS — FIG. 663

For Pole or Mast Lights

Anodized Aluminum—with Vinyl Edge Moulding

Each	Dimensions Inches	Weight Ounces
	4-3/4 x 3-1/2	1-1/2



Fig. 663



HALYARD EYES—Figs. 234 & 235

For Metal Flag Poles — White Nylon

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

Fig. 234, each.
Fig. 235, each.

Standard Package, 10 Pieces.



Fig. 234



With Brass Snap
Fig. 235

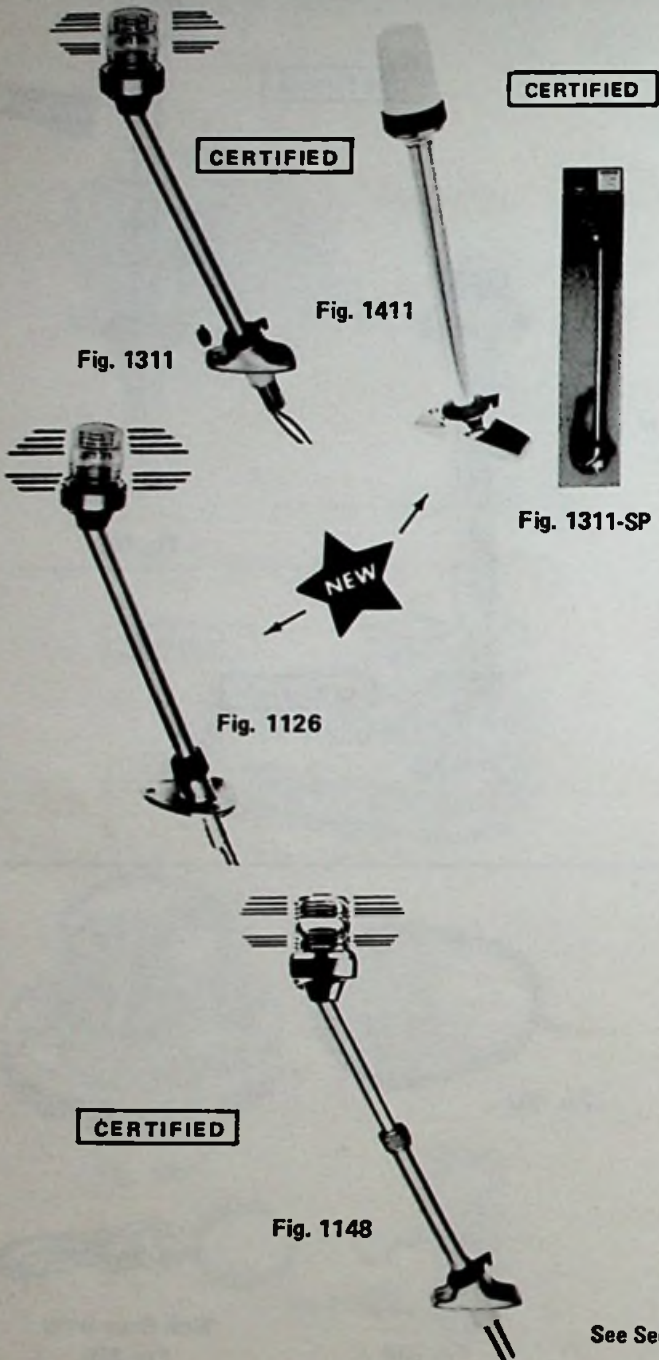
SPARE PARTS FOR FIG. 970 AND FIG. 974

Lenses—Red, Specify Fig. 296-R.
Lenses—Green, Specify Fig. 296-G.
Electric Sockets, Specify Fig. 1109

Fig. 974 Bracket Assembly with Thumb Screw and End Cap, Specify Fig. 1120.
Spare Mounting Base for Fig. 970, Specify Fig. No. and 99A.
Lamps (Bulbs), See Fig. 56, No. 4.

DECK MOUNT TELESCOPING STERN POLE LIGHTS

Anodized Aluminum Tube – Die Cast Zinc Top and Base – Chromium Plated – Delrin D.C. Socket – with Bulb-Wired Clear High Intensity Fresnel Globe – Certified with No. 90, 12 Volt 6 C.P. Bulb 32 Points – 2 Mile Visibility
A Positive and Unique Tightening Device for Adjusting the Height or Removing the Pole from the Base.



No.	Fig. 1311 Each	Fig. 1411 Each	Length Inches	Weight Pounds
2			24	7/8
3			30	1
4			36	1 1/8

★
SKIN PACK Fig. 1311 SP

One Light Per Card
Five Cards Per Box
Weight Per Box 4½ Pounds

Sold To Trade In Full Box Only

★
NEW

STERN POLE LIGHTS – Fig. 1126

Anodized Aluminum Tube – Chromium Plated – Bronze Top and Brass Base.

No.	Each	Length Inches	Weight Pounds
2		24	1
3		30	1-1/8
4		36	1-1/4

★
DOUBLE TELESCOPING TYPE – Fig. 1148

Same Construction as Fig. 1311

Height is adjustable from a minimum of 6 inches to a maximum of 52 inches.

Each	Diameter Lower Tubing Inches	Weight Pounds
	3/4	1-1/2

See Sections L and M for "CHROMALEX"® III Pole Lights

SPARE PARTS FOR POLE LIGHTS PAGES A-6 AND A-7

- Fresnel Globes with Gasket – For All Lights except Fig 1411 See Fig. 248
- Delrin D.C. Sockets – See Fig. 24 No. 2.
- Lamps (Bulbs) – See Fig. 337 No. 11.
- Mounting Base Only For Figs. 1148, 1311, Specify Fig. 1156.
- Mounting Base Only For Fig. 1411, Specify Fig. No. and 99A.
- Mounting Base Only For Fig. 1330 and 1430 with Connector and Cap, Specify Fig. No. and 99A
- Mounting Base Only For Fig. 1126 and 1209 with Connector and Cap, Specify Fig. No. and 99A
- Spare Globe For Fig. 1411, See Fig. 201.

DECK MOUNT STOW-A-WAY STERN POLE LIGHTS

Anodized Aluminum Tube — Die Cast Zinc Top and Base — Chromium Plated — Delrin D.C. Socket — with Bulb-Wired Clear High Intensity Fresnel Globe — Certified with No. 90, 12 Volt 6 C.P. Bulb 32 Points — 2 Mile Visibility

No.	1330 Each	1430 Each	Length Inches	Weight Pounds
2			24	1
3			30	1-1/8
4			36	1-1/4

A Plastic Cap Is Attached To Base To Waterproof The Opening When Pole Is Removed.

Improvement Is The New Indexing Feature That Assures The Proper Alignment Fore And Aft.

SKIN PACK — Fig. 1330-SP

One Light Per Card
Five Cards Per Box
Weight Per Box 5 Pounds

Sold To Trade In Full Box Only

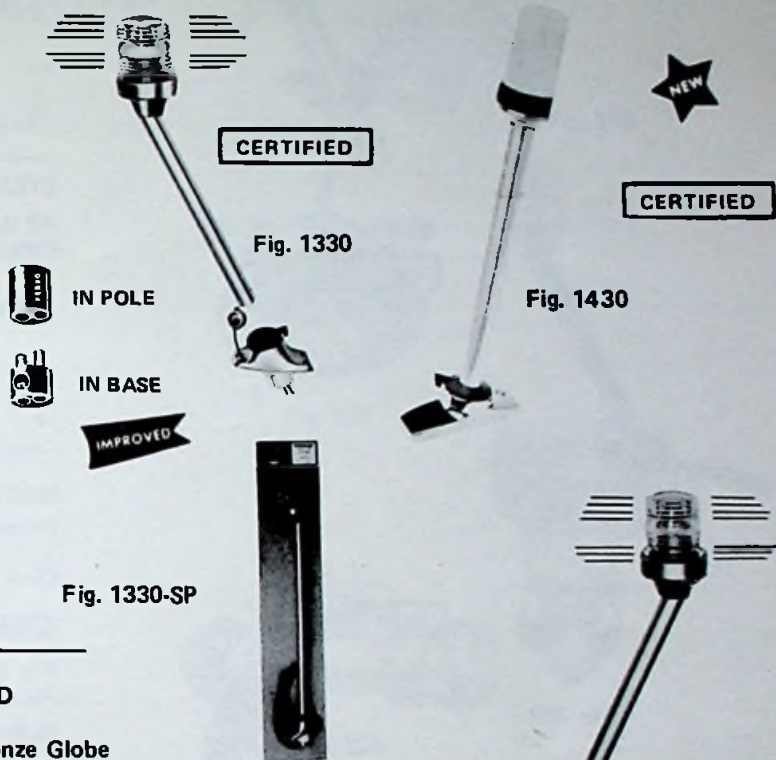


Fig. 1330-SP

★ FIG. 1209 BRASS — CHROMIUM PLATED

Same Features as Fig. 1330 But this Unit has Bronze Globe Holder and Brass Mounting Base.

A Plastic Cap is Provided to Waterproof the Opening When Pole is Removed. A Plastic Cap Retainer is Also Included.

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

Size No.	Each	Length Overall Inches	Weight Pounds
2		24	1
3		30	1-1/4
4		36	1-1/2

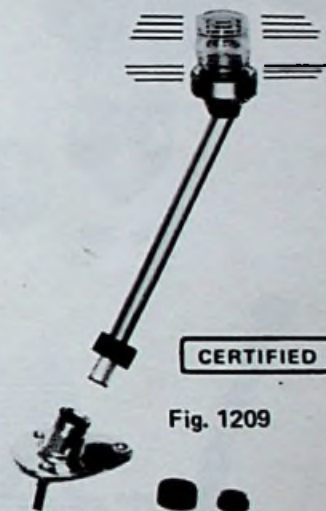


Fig. 1209

POLE LIGHTS FOR WINDSHIELD MOUNTING 360 DEGREE CLEAR LIGHT — FOLD DOWN TYPE VARIABLE ANGLE ASSEMBLY Die Cast Zinc Alloy Base and Globe Holder Chromium Plated

Same Features as Fig. 1330 But this Light can be adjusted to suit any probable angle of windshield or top. Bracket is serrated to hold desired angle.

Each	Height Overall Inches	Diameter Tubing Inches	Weight Ounces
	13-1/2	3/4	13

Fig. 1134 for flat Windshield or Horizontal Frame.
Dimensions, Width (A) - 2", Height (B) - 5/8".
Spare Brackets, Specify Fig. 1120

Fig. 1137 for flat or V-type Center Posts of Windshield.
Dimensions, Width (A) - 5/8", Height (B) - 2-1/4".
Spare Brackets, Specify Fig. 1122

Spare Brackets Include Thumb Screw, Washer and End Cap
Spare Thumb Screw Only Specify Fig. 1144

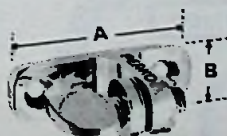


Fig. 1134



Fig. 1137



CERTIFIED

CERTIFIED



Fig. 455

STERN OR ANCHOR LIGHT—Fig. 455
 Die Cast Zinc Alloy — Chromium Plated
 Certified with No. 90 - 12 Volt, 6 C.P. Bulb Supplied.
 2 Mile Visibility.

No.	Each	Height Inches	Diameter Globe Inches	Size Base Inches	Weight Ounces
1		6	1-3/4	3x2-1/8	12
2		12	1-3/4	3x2-1/8	16



STERN OR ANCHOR LIGHT—Fig. 438

All Brass — Chromium Plated
 Certified with No. 90, 12 Volt 6 C.P. Bulb Supplied

2 Mile Visibility.

No.	Each	Height Inches	Diameter Globe Inches	Size Base Inches	Weight Ounces
1		6	1-3/4	3-3/8x2-1/4	6
2		12	1-3/4	3-3/8x2-1/4	10



Fig. 438

CERTIFIED

MAST LIGHTS—Figs. 362 & 371

Pressure Cast Bronze — Fresnel Globe — Double Contact Socket

Clear — Certified for No. 90, 12 Volt 6 C.P. Bulb

2 Mile Visibility.

Fig. 362 — Tapped for 1/2 inch pipe.
 Fig. 371 — Flat base drilled for two flat head screws.
 Bulb Not Included.



Fig. 362

CERTIFIED



Fig. 371

Fig.	Plain Each	Chromium Plated Each	Diam. Globe Inches	Height Overall Inches	Diam. Base Inches	Wt. Lbs.
362			1-3/4	3-1/4	2-1/8	1/2
371			1-3/4	2-7/8	2-1/8	3/8



MAST LIGHTS—Fig. 488

Cast Bronze — Plain — Clear Fresnel Globe —
 Double Contact Socket — Bulb Not Included.
 Certified For No. 1142, 12 Volt 21 C.P. Bulb

2 Mile Visibility.

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



ANCHOR OR SIGNAL LIGHT — Figs. 112 & 309

Cast Bronze — Plain or Chromium Plated

High Intensity Fresnel Globe

Medium Screw Electric Socket — Bulb Not Included

Clear and Yellow — Certified for 15 Watt A-17 Bulb.

Red and Green — Certified for 25 Watt A-19 Bulb.

2 Mile Visibility

Fig.	Plain Each	Chromium Plated Each	Height Overall Inches	Diameter Base Inches	Tapped Pipe Size Inches	Weight Pounds
112			8-3/4	3-1/8	—	3 3/4
309			6 1/2	—	1/2	2 1/2

Yellow, Specify Fig. 112 M - Fig. 309 M

Red, Specify Fig. 112 R - Fig. 309 R

Green, Specify Fig. 112 G - Fig. 309 G

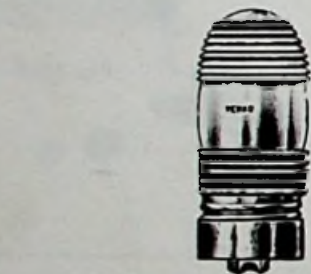


Fig. 488

CERTIFIED



Fig. 112

CERTIFIED



Fig. 309

SPARE PARTS

Globes For Figs. 362, 371, 438, 455, See Fig. 248.
 Globes For Fig. 488, See Fig. 77.
 Globes For Figs. 112, 309, See Fig. 196.
 D.C. Bulbs, See Fig. 337.
 Medium Base Bulbs, See Fig. 340.

Sockets For Figs. 362, 371, See Fig. 24 No. 1.
 Sockets For Figs. 438 and 455 See Fig. 24 No. 2
 Socket For Fig. 488, See Fig. 278, No. 2
 Sockets For Figs. 112, 309, See Fig. 346-3.

ADJUSTABLE SPREADER FLOODLIGHT – Fig. 280

All Brass – Chromium Plated

12 Volt Sealed Beam Unit - Watertight

This light has a ball joint action allowing it to be rotated in any position

Each	Diameter Overall Inches	Depth Inches	Size Mounting Plate Inches	Weight Pounds
	4-5/8	2-1/2	5-3/8 x 3/4	1-1/4



Fig. 280

SPREADER FLOODLIGHT—Fig. 268

All Brass – Chromium Plated – Sealed Beam – 12 Volts

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

Each	Diameter Overall Inches	Depth Inches	Size Mounting Plate Inches	Weight Pounds
	4-5/8	2-1/2	5-5/8 x 3/4	1-1/4



Fig. 268

“NON-FOULING” SPREADER LIGHT—Fig. 265

Pressure Cast Bronze – Chromium Plated - With 12 Volt, 6 C.P. Bulb

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

Each	Diameter Overall Inches	Depth Inches	Weight Ounces
	2-3/4	1-3/8	3-1/2



Fig. 265

MEAL AND ABSENT LIGHT—Fig. 329

Cast Bronze – Watertight – Double Contact Bayonet Socket

For mounting on yardarm. Supplied with two fresnel globes, one blue, the other clear, Bulbs Not Included.

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



Fig. 329

WOOD FLAG STAFF—Fig. 496

Solid Mahogany – Varnished – With Ferrule

No.	Each	Length Overall Inches	Diam. Base Inches	Weight Ounces
2		14	3/4	2-1/2
3		18	3/4	3-1/2
4		18	1	5
5		24	1	6
6		30	1-1/4	9-1/2
7		36	1-1/4	14
8		48	1-1/4	27

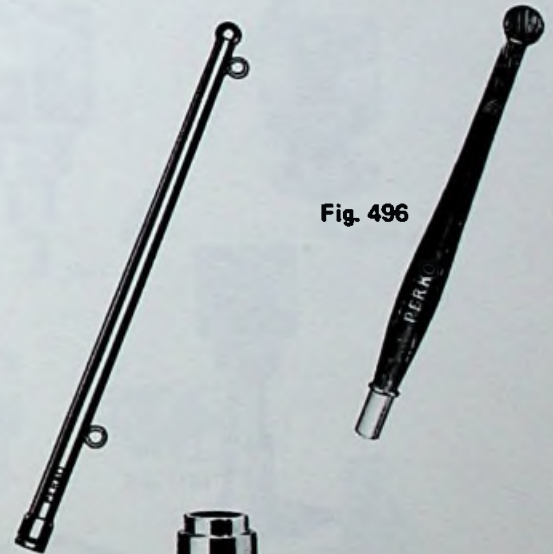


Fig. 496

FLAG STAFF—Fig. 495 Chromium Plated

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

No.	Each	Length Inches	Diam. Base Inches	Weight Ounces
1		14	1/2	3
2		14	3/4	4
3		18	3/4	5

Standard Package, Nos. 1 and 2 - 5 Pieces. No. 3 - 1 Piece

Fig. 495

CLAMP-ON FLAG STAFF SOCKET – Fig. 1302

Die Cast Zinc Alloy – Chromium Plated

Clamp will fit rails from 1/2" to 7/8" Diameter. Socket is 3/4" I.D. and will accommodate above staffs Figs. 495 and 496 Size Nos. 2 and 3.

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



Fig. 1302

SPARE KNOBS, SPECIFY FIG. 1292

SPARE PARTS

Globes For Fig. 329, Specify Fig. 250 and Color.
 Lens with Gasket For Fig. 265, Specify Fig. 284.
 Sealed Beam Unit For Figs. 268 and Fig. 280, Specify Fig. 432. Lamps (Bulbs), For Fig. 265, See Fig. 70 No. 0.

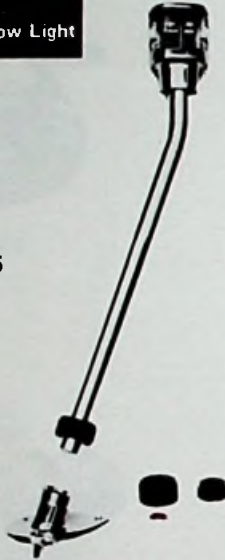
Sockets For Fig. 329, See Fig. 24 No. 2.
 Sockets For Fig. 265, Specify Fig. 265-99-A.
 Lamps (Bulbs), For Fig. 329, See Fig. 337.



Combination Bow and Anchor Lights Complete with Two No. 1416 12 Volt 8 C.P. Bulbs — Brass Electric Socket Anodized Aluminum Tube — Marine Alloy Zinc Housing — Chromium Plated Patent No. 3344264



Fig. 1125



NEW

DECK MOUNT PLUG IN TYPE — Fig. 1125
 Brass Base — Chromium Plated — A Plastic Cap Is Provided To Waterproof The Opening When Pole Is Removed. A Plastic Cap Retainer Is Also Included.

No.	Each	Length Inches	Weight Pounds
4		36	1-1/2



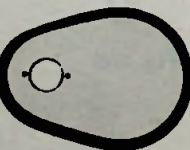
MAST ASSEMBLY — Figs. 1183 & 1197

Fig.	Each	Height Inches	Diameter Base Inches	Weight Ounces	
1183		2-3/4	1-15/16	8	
Fig.	Each	Height Overall Inches	O.D. Tubing Inches	Length Tubing Inches	Weight Ounces
1197		3-1/2	3/4	1	6



FIXED ASSEMBLY—Fig. 1196

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



GLARE SHIELD — Fig. 1192

For Combination Bow and Anchor Lights — Anodized Aluminum With Soft Vinyl Moulding Around Edges.

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

Each	Dimensions Inches	Weight Ounces
	4-3/4 x 3-1/2	1-1/2

NOTE—This shield cannot be supplied with Figs. 1183, 1195, 1196, 1123, 1124, and 1125.

SPARE PARTS PAGES A-10 and A-11

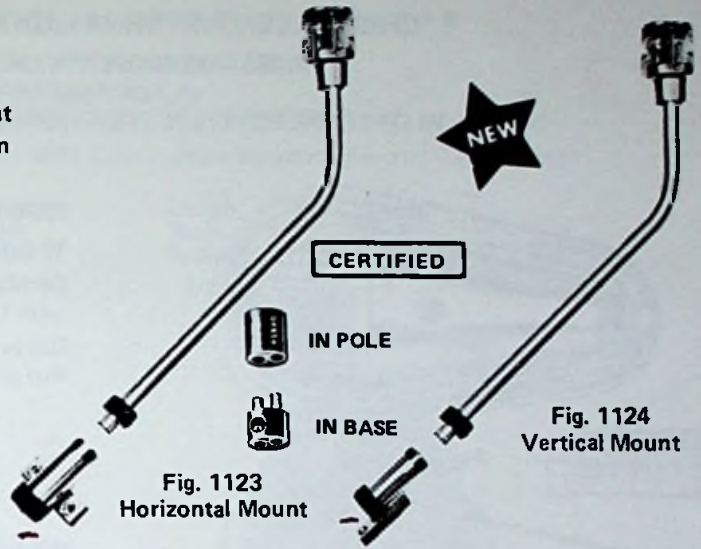
- Spare Lenses Specify Fig. 278.
- Spare Electric Sockets, Miniature Bayonet, Specify Fig. 1109.
- Three Position Switches, See Fig. 366.
- Spare Lamps (Bulbs), See Fig. 56 No. 4.
- Spare Lens Cap with Screw, Specify Fig. 1158.
- Spare Base For Fig. 1125, Specify 1125-99A.
- Spare Mounting Bracket For Figs. 1123 and 1124, Specify Fig. No. and 99A.

NEW

**WINDSHIELD MOUNTED PLUG IN TYPE –
COMBINATION BOW AND ANCHOR LIGHTS**
Anodized Aluminum Tube – Brass Mounting Brackets –
Marine Alloy Zinc Housing – Chromium Plated – For Flat
Or V-Type Windshields – With Plastic Cap For Tube When
Pole Removed – Figs. 1123 & 1124

No.	Each	*Length Inches	Weight Pounds
1		13-1/2	1
2		26-1/2	1-1/8

*Measurement Is From Top Of Bracket To Top Of Light.
Fig. 1123 Supplied With Two Black Plastic Insulators –
One For Flat Surface And One For V-Type Windshields.
Fig. 1124 Supplied With One Black Plastic Insulator For
Use On Either Flat Or V-Type Windshields.



★
FOLD DOWN ASSEMBLY—Fig. 1195

For Windshield Mounting – Chromium Plated
Stainless Steel Mounting Bracket

Each	Length Overall Inches	Mounting Bracket Inches	Diameter Tubing Inches	Weight Pounds
	20	1-11/16 x 3	3/4	7/8

Glare Shield for above, see Fig. 1192.
Spare Mounting Bracket with Bolt and Nut, Specify Fig. 1157.



★
FOLD DOWN VARIABLE ANGLE ASSEMBLY
For Windshield Mounting – Chromium Plated
Figs. 1181, 1182 & 1184

This light can be adjusted to suit any probable angle of
windshield or top. Bracket is serrated to hold desired angle.

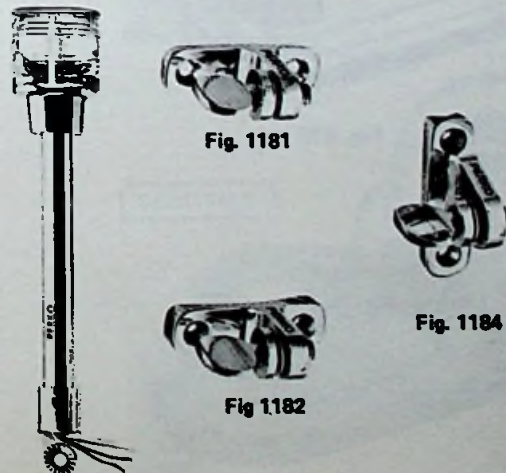
Complete Each	Height Overall Inches	Diameter Tubing Inches	Weight Ounces
	13-1/2	3/4	13

Fig. 1181 for flat windshield or horizontal frame,
dimensions, Width (A), 2" – Height (B), 5/8".
Spare Brackets, Specify Fig. 1120

Fig. 1182 for V-type windshield,
dimensions, Width (A), 2" – Height (B), 5/8".
Spare Brackets, Specify Fig. 1121

Fig. 1184 for flat or V-type center posts of windshield,
dimensions, Width (A), 5/8" – Height (B), 2-1/4".
Spare Brackets, Specify Fig. 1122

Spare Brackets include Thumb Screw, Washer and End Cap.
Spare Thumb Screw Only Specify Fig. 1144.

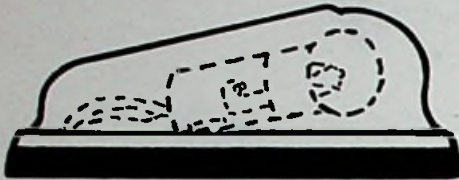


® "CHROMALEX" INTERNATIONAL NAVIGATION LIGHTS
 BRASS – PERKOPLATE CHROMIUM PLATED
 BLACK PLASTIC BASE
 WITH STAINLESS STEEL SELF TAPPING SCREWS FOR MOUNTING



CERTIFIED

Fig 955



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

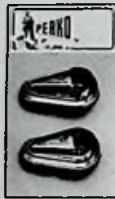


Fig. 955-SP

CERTIFIED

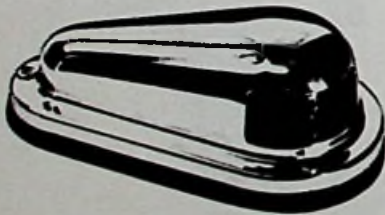


Fig. 915

CERTIFIED



Fig. 903

SIDE LIGHTS—Fig. 955

10 Points – 112-1/2 Degrees – 1 Mile Visibility
 Certified with No. 90, 12 Volt, 6 C.P. Bulb Supplied with Lights
 Delrin Non Corrosive Double Contact Socket
 Red and Green High Intensity Fresnel Lenses

Per Pair	Length Inches	Width Inches	Depth Inches	Weight Per Pair Ounces
	4-1/4	2-3/8	1-3/4	7

Half Pair, Red, Specify Fig. 955 R, Green, Specify Fig. 955 G
 Spare Lenses, Red, Specify Fig. 283 R
 Spare Lenses, Green, Specify Fig. 283 G
 Spare Sockets, see Fig. 24 No. 1
 Spare Lamps (Bulbs) see Fig. 337 No.11



SKIN PACK – Fig. 955-SP

1 Pair Per Card
 4 Cards Per Box
 Weight Per Box, 2 Pounds
 Sold To Trade In Full Box Only



SIDE LIGHTS— Fig. 915

10 Points – 112-1/2 Degrees – Red and Green Lenses
 1 Mile Visibility
 Certified with No. 1416, 12 Volt, 8 C.P. Bulb Supplied with Light – Brass Miniature Bayonet Type Socket
 For Mounting on Deck or Top of Deck House

Per Pair	Length Inches	Width Inches	Depth Inches	Weight Per Pair Ounces
	4-1/4	2-3/8	1-3/4	7

Half Pair, Red, Specify Fig. 915 R, Green, Specify Fig. 915 G.
 Spare Lenses, Red, Specify Fig. 281 R
 Spare Lenses, Green, Specify Fig. 281 G
 Spare Sockets, Specify Fig. 1109
 Spare Lamps (Bulbs), see Fig. 56 No. 4



BOW LIGHTS – Fig. 903

20 Points – 225 Degrees – Clear Lens
 3 Mile Visibility
 Certified with No. 1416, 12 Volt, 8 C.P. Bulb Supplied with Light – Brass Miniature Bayonet Type Socket

Each	Length Inches	Width Inches	Depth Inches	Weight Ounces
	4-1/4	2-3/8	1-3/4	4

Spare Lenses, Specify Fig. 281 - Clear
 Spare Sockets, Specify Fig. 1109
 Spare Lamps (Bulbs), see Fig. 56 No. 4

® "CHROMALEX" INTERNATIONAL NAVIGATION LIGHTS
 BRASS — PERKOPLATE CHROMIUM PLATED
 BLACK PLASTIC BASE
 WITH STAINLESS STEEL SELF TAPPING SCREWS FOR MOUNTING

Certified With No. 1416, 12 Volt, 8 C.P. Bulb Supplied With Light — Brass Miniature Bayonet Type Socket

Height Light Inches	Diameter Base Inches	Diameter Neck Inches	Length Neck Inches	Weight Each Ounces
1-5/8	2-3/8	3/4	1/2	3

SIDE LIGHTS—Fig. 963

10 Points — 112-1/2 Degrees — Red and Green Lenses
 1 Mile Visibility
 For mounting on deck or top of deck house.

Per Pair

Half Pair, Red, Specify Fig. 963-R. Green, Specify Fig. 963-G.
 Spare Lenses, Red, Specify Fig. 281-R.
 Spare Lenses, Green, Specify Fig. 281-G.
 Spare Sockets, Specify Fig. 1109.



CERTIFIED

Fig. 963

★
BOW LIGHTS — Fig. 964

20 Points — 225 Degrees — Clear Lens
 3 Mile Visibility.

Each

Spare Lenses, Specify Fig. 281 - Clear.
 Spare Sockets, Specify Fig. 1109.



CERTIFIED

Fig. 964

★
SKIN PACK — Fig. 964-SP

One Light Per Card
 Four Cards Per Box
 Weight Per Box, 1 Pound
 Sold To Trade In Full Box Only



Fig. 964-SP

★
STERN LIGHT — Fig. 965

12 Points — 135 Degrees — Clear Lens
 2 Mile Visibility

Each

Spare Lenses, Specify Fig. 281, Clear.
 Spare Sockets, Specify Fig. 1109



CERTIFIED

Fig. 965

★
SKIN PACK — Fig. 965-SP

One Light Per Card
 Four Cards Per Box
 Weight Per Box, 1 Pound
 Sold To Trade In Full Box Only



Fig. 965-SP



CERTIFIED

Fig. 1264

"NAUTIC" STREAMLINE SIDE LIGHTS – Fig. 1264

Die Cast Zinc Alloy – Polished Chromium Plated
 Delrin Non-Corrosive Double Contact Socket
 High Intensity Fresnel Lenses
 10 Points – 112 1/2 Degrees – 1 Mile Visibility
 Colored Lenses 1 Red and 1 Green

Certified With No. 1004, 12 Volt, 15 C.P. Bulb Supplied
 With Light

Per Pair	Length Overall Inches	Height Overall Inches	Thickness Inches	Weight Per Pair Pounds
	5-1/2	3-7/8	1-3/4	1-3/4

Half Pair, Red, Specify Fig. 1264 R. Green, Specify Fig. 1264 G

Spare Lenses, Red, Specify Fig. 1264-99R
 Spare Lenses, Green Specify Fig. 1264-99G
 Spare Sockets, Specify Fig. 24, No.1
 Spare Lamps (Bulbs) see Fig. 337 No.12



CERTIFIED

Fig. 1265

"NAUTIC" STREAMLINE BOW LIGHTS – Fig. 1265

Die Cast Zinc Alloy – Polished Chromium Plated
 Delrin Non-Corrosive Double Contact Socket
 High Intensity Fresnel Lens.
 20 Points – 225 Degrees – 3 Mile Visibility – Clear Lens

Certified With No. 1004, 12 Volt, 15 C.P. Bulb Supplied
 With Light

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

Spare Lenses, Specify Fig. 1265-99 A
 Spare Sockets, Specify Fig. 24, No. 1
 Spare Lamps (Bulbs), see Fig. 337 No. 12



Fig. 1178

BOW OR MASTHEAD LIGHT – Fig. 1178

Die Cast Zinc Alloy – Polished Chromium Plated
 Fresnel Lens – Brass Miniature Bayonet Socket
 20 Points – 225 Degrees – 3 Mile Visibility

Certified with No. 1416, 12 Volt, 8 C.P. Bulb Supplied
 with Light

Each	Height Inches	Diameter Base Inches	Weight Ounces
	2-3/4	1-3/4	8

Spare Lens, Specify Fig. 278
 Spare Sockets, Specify Fig. 1109
 Spare Lamps (Bulbs), see Fig. 56 No. 4



®CHROMALEX BOW LIGHT – Fig. 1331

Die Cast Zinc Alloy – Polished Chromium Plated
 Black Plastic Base
 High Intensity Clear Fresnel Lenses
 Brass Miniature Bayonet Socket
 20 Points – 225 Degrees – 3 Miles Visibility

Certified with No. 1416, 12 Volt, 8 C.P. Bulb Supplied
 with Light

Each	Height Overall Inches	Width Overall Inches	Size Screw No.	Weight Ounces
	3-3/4	1-1/2	5	4

Spare Lens, Specify Fig. 278,
 Spare Socket, Specify Fig. 1109
 Spare Lamps (Bulbs), see Fig. 56 No. 4



Fig. 1331

CERTIFIED

©CHROMALEX STERN LIGHTS – Fig. 1332

Die Cast Zinc Alloy – Polished Chromium Plated
 Black Plastic Base
 High Intensity Clear Fresnel Lenses
 Certified with No. 1416, 12 Volt 8 C.P. Bulb,
 Supplied with Light, Brass Miniature Bayonet Type Socket
12 Points – 135 Degrees – 2 Mile Visibility

Each	Height Overall Inches	Width Overall Inches	Size Screw No.	Weight Ounces
	3-3/4	1-1/2	5	4

Spare Lens, Specify Fig. 278
 Spare Socket, Specify Fig. 1109
 Spare Lamps (Bulbs) see Fig. 56 No. 4



Fig. 1332

CERTIFIED

©CHROMALEX TRANSOM STERN LIGHT – Fig. 945

Brass – Polished Chromium Plated
 Black Plastic Base
 With Stainless Steel Screws For Mounting
12 Points – 135 Degrees – Clear Lens
2 Mile Visibility
 Certified with No. 1416, 12 Volt, 8 C.P. Bulb Supplied
 with Light, Brass Miniature Bayonet Type Socket

Each	Height of Light Inches	Diameter of Base Inches	Diameter of Neck Inches	Length Neck Inches	Weight Ounces
	1-5/8	2 3/8	3/4	1/2	3

Spare Lenses, Specify Fig. 74
 Spare Sockets, Specify Fig. 1109
 Spare Lamps (Bulbs) see Fig. 56 No. 4



Fig. 945

CERTIFIED

SKIN PACK – Fig. 945-SP

One Light Per Card
 Four Cards Per Box
 Weight Per Box, 1 Pound

Sold To Trade In Full Box Only



Fig. 945-SP

TRANSOM STERN LIGHTS – Figs. 939 and 946

Brass – Polished Chromium Plated
12 Points – 135 Degrees – Clear – 2 Mile Visibility
 Supplied Complete with 12 Volt Bulb
 Certified for 12 Volt with No. 211-2, 12 Volt, 12 C.P. Bulb
 Certified for 32 Volt with No. 10126, 32 Volt, 12 C.P. Bulb
Fig. 939

Improvement is the addition of a New Molded Black Plastic Mounting Flange which permits easy installation by drilling a 2-1/8" hole.

Each	Dimensions		Weight Ounces
	Overall Inches	Depth Inches	
	5-3/16 x 3-3/8	1-1/2	6

Fig. 946

Supplied Complete with Black Plastic Base and Stainless Screws for Mounting

Each	Diameter Inches	Depth Inches	Weight Ounces
	3	1-3/4	4

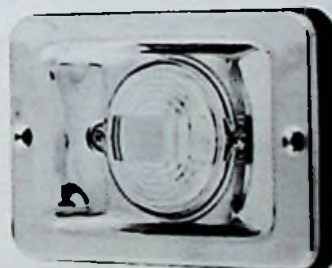


Fig. 939 – Flush Type

CERTIFIED

IMPROVED

CERTIFIED

Fig. 946

Semi Flush Type



SPARE PARTS

Lens with Gasket For Fig. 939, Specify Fig. 284.
 Lens with Gasket For Fig. 946, Specify Fig. 946-99-A.
 Socket Assembly For Fig. 939, Specify Fig. 939-99-B

Socket Assembly For Fig. 946, Specify Fig. 946-99B.
 Installation Gasket For Fig. 939, Specify Fig. 939-99C.
 Lamps (Bulbs) See Fig. 70 Nos. 1 and 2

"ROYAL" INTERNATIONAL NAVIGATIONAL LIGHTS
SHEET METAL – GALVANIZED STEEL OR BRASS
BAYONET DOUBLE CONTACT ELECTRICAL SOCKET – FRESNEL LENSES

Figs. 91 and 99 Certified For Use With No. 1004, 12 Volt, 15 C.P. Bulb
 Fig. 98 Certified For Use With No. 1144, 12 Volt, 32 C.P. Bulb. Bulb Not Included.



Fig. 91

CERTIFIED



Fig. 98



Fig. 99

SIDE LIGHTS – Fig. 91
10 Points – 112-1/2 Degrees – 1 Mile Visibility
Colored Lenses 1 Red and 1 Green

Class	Galv. Per Pair	Polished Brass Per Pair	Height Inches	Height Lens Inches	Weight Per Pair Pounds
2			5	4-1/4	2
3			6	5-3/16	3

Half Pair, Red, Specify Fig. 91-R. Green Specify Fig. 91-G.

BOW OR MASTHEAD LIGHTS—Fig. 98
20 Points – 225 Degrees – Clear Lens – 3 Mile Visibility

STERN LIGHTS—Fig. 99
12 Points – 135 Degrees – Clear Lens – 2 Mile Visibility

Class	Galv. Each	Polished Brass Each	Height Inches	Height Lens Inches	Weight Pounds
2			5	4-1/4	1-1/2
3			6	5-3/16	2

"CORONET" INTERNATIONAL NAVIGATION LIGHTS

DIE CAST ZINC ALLOY – SATIN CHROMIUM PLATED
HIGH INTENSITY FRESNEL LENSES – FUSE TYPE ELECTRIC SOCKETS

Certified for 12 Volt with No. 211-2, 12 Volt, 12 C.P. Bulb
 Certified for 32 Volt with No. 10126, 32 Volt, 12 C.P. Bulb
BULBS NOT INCLUDED



Fig. 109



CERTIFIED



Fig. 110



Fig. 111

SIDE LIGHTS – Fig. 109
10 Points – 112-1/2 Degrees – 2 Mile Visibility
Colored Lenses 1 Red and 1 Green

Class	Per Pair	Height Light Inches	Height Lens Inches	Weight Per Pair Pounds
2		5-1/4	4-1/4	2

Half Pair, Red, Specify Fig. 109-R. Green, Specify Fig. 109-G.

BOW OR MASTHEAD LIGHTS – Fig. 110
20 Points – 225 Degrees – Clear Lens – 3 Mile Visibility

STERN LIGHTS – Fig. 111
12 Points – 135 Degrees – Clear or Yellow Lens*
2 Mile Visibility

Class	Each	Height Light Inches	Height Lens Inches	Weight Pounds
2		5-1/4	4-1/4	1

*With Yellow Lens, Specify Fig. 111M.

SPARE PARTS

Lenses For Figs. 91 and 109, See Fig. 259.
 Lenses For Figs. 98 and 110, See Fig. 256.
 Lenses For Figs. 99 and 111, See Fig. 269.
 Electric Adapters For Figs. 91, 98, 99, See Fig. 139, Specify Class.

Lamps (Bulbs) For Fig. 98, See Fig. 337 No. 14.
 Lamps (Bulbs) For Figs. 91 and 99, See Fig. 337 No. 12.
 Lamps (Bulbs) For Figs. 109, 110, 111, See Fig. 70 Nos. 1 and 2.
 Mounting Bracket For Figs. 91, 98, 99, Specify Fig. 92 and Finish.
 D.C. Sockets For Figs. 91, 98, 99, See Fig. 24 No. 1.

ELECTRIC NAVIGATION LIGHTS
SHEET METAL – GALVANIZED STEEL OR BRASS
ELECTRIC SOCKET IS BAYONET DOUBLE CONTACT OR MEDIUM SCREW TYPE
BRASS SPRING TYPE ADAPTERS – BULBS NOT INCLUDED

SIDE LIGHTS—Fig. 4

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

Class	Galvanized Per Pair	Polished Brass Per Pair	Height Inches	Height Lens Inches	Weight Per Pair Pounds
2			7-1/4	4-1/4	5
3			8-1/2	5-3/16	7

Half Pairs, Red, Add "R", Green, Add "G" to Fig. No. Specified

Double Contact Electric—Specify Fig. 4-A. Certified for No. 1004 Bulb, 12 Volt, 15 C.P.

Medium Screw Electric—Specify Fig. 4-B. Certified for 15 Watt, A-17 Bulb.



Fig. 4

CERTIFIED

BOW LIGHTS—Fig. 5

20 Points – 225 Degrees – Clear Or Yellow Fresnel Lens
Clear – 3 Mile Visibility. *Yellow – 2 Mile Visibility.

Class	Galvanized Each	Polished Brass Each	Height Inches	Height Lens Inches	Weight Pounds Each
2			7-1/4	4-1/4	2-1/2
3			8-1/2	5-3/16	3-1/4

Double Contact Electric – Specify Fig. 5-A. Certified for No. 1142 Bulb, 12 Volt, 21 C.P.

Medium Screw Electric—Specify Fig. 5-B. Certified for 25 Watt, A-19 Bulb.

*Yellow – Class 3 Only, Double Contact Specify Fig. 5-MA.

Certified For No. 1004 Bulb, 12 Volt, 15 C.P.

Medium Screw, Specify Fig. 5-MB. Certified For 15 Watt, A-17 Bulb.



Fig. 5

CERTIFIED

STERN LIGHTS – Fig. 7

12 Points – 135 Degrees – Clear Or Yellow Fresnel Lens*
2 Mile Visibility

Class	Galvanized Each	Polished Brass Each	Height Inches	Height Lens Inches	Weight Pounds Each
2			7-1/4	4-1/4	2-1/2
3			8-1/2	5-3/16	3-1/4

Double Contact Electric – Specify Fig. 7-A, Certified For No. 1004 Bulb, 12 Volt, 15 C.P. Clear or Yellow

Medium Screw Electric – Specify Fig. 7-B, Certified For 15 Watt A-17 Bulb, Clear or Yellow

*Yellow – Class 3 Only. Double Contact, Specify

Fig. 7-MA. Medium Screw, Specify Fig. 7-MB



Fig. 7

CERTIFIED

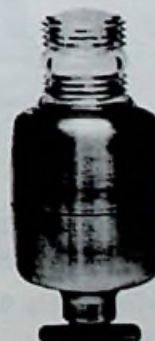
ANTI-COLLISION STROBE LIGHT – Fig. 600

Satin Chromium Plated Housing – Clear 360° Fresnel
Globe – High Intensity Xenon Strobe Lamp – Waterproof
For 12 Volt Use

This Powerful New Unit with Built-in Polarity Protection PRODUCES OVER 1 MILLION (1,000,000) PEAK CANDLE-POWER FOR INCREASED DISTANCE OF VISIBILITY. Flashes approximately 50 Times a Minute. Mounting Bracket for Flat Surfaces is Easily Removed, Base of Light fits 1/2" Pipe.

Each	Height Overall Inches	Diameter Inches	Weight Pounds	Standard Package
	7	3-1/8	1	5

Fig. 600



NOTE: Anti-Collision Lights should only be used in imminent danger or emergency situations. The Coast Guard prohibits the use of these lights for other than emergency use, e.g. they should not be used as running lights, etc.

SPARE PARTS

Lenses For Fig. 4, See Fig. 259.
 Lenses For Fig. 5, See Fig. 256.
 Lenses For Fig. 7, See Fig. 269.
 Double Contact Adapters, See Fig. 291.
 Medium Screw Adapters, See Fig. 292.

Lamps (Bulbs), See Fig. 337, Nos. 12 and 13.
 Also Fig. 340, Nos. 5 and 6.
 D.C. Sockets Only — See Fig. 276.
 Medium Screw Sockets Only — See Fig. 346 No. 1.
 Side Light Brackets, See Fig. 131.

**CERTIFIED
ELECTRIC ONLY**



Fig. 17 Class 2
Fig. 19 Class 3



Fig. 18 Class 2
Fig. 20 Class 3

**CERTIFIED
ELECTRIC ONLY**



Fig. 97 Class 2
Fig. 102 Class 3



Fig. 0-2 JUNIOR

**CERTIFIED
ELECTRIC ONLY**



Fig. 0-6 SENIOR

SIDE LIGHTS—Figs. 17 and 19

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

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

Half Pairs — Red, Add "R", Green, Add "G" to Fig. No. Specified.

Double Contact Electric—Specify Fig. 17-A or 19-A. Certified for No. 1004 Bulb, 12 Volt, 15 C.P. 1 Mile Visibility.

Medium Screw Electric—Specify Fig. 17-B or 19-B. Certified for 15 Watt, A-17 Bulb, 1 Mile Visibility.

BOW LIGHTS—Figs. 18 and 20

20 Points — 225 Degrees — Clear Fresnel Lens

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

Double Contact Electric — Specify Fig. 18-A or 20-A. Certified for No. 1144 Bulb, 12 Volt, 32 C.P. 3 Mile Visibility.

Medium Screw Electric — Specify Fig. 18-B or 20-B, Certified for 25 Watt, A-19 Bulb, 3 Mile Visibility.

STERN LIGHTS—Figs. 97 and 102

12 Points — 135 Degrees — Clear Fresnel Lens

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

Double Contact Electric—Specify Fig. 97-A or 102-A. Certified for No. 1004 Bulb, 12 Volt, 15 C.P. 2 Mile Visibility.

Medium Screw Electric—Specify Fig. 97-B or 102-B. Certified for 15 Watt, A-17 Bulb, 2 Mile Visibility.

ANCHOR LIGHTS — Figs. 02 and 06

32 Points — 360 Degrees — Clear Fresnel Lens — Oil or Electric — 2 Mile Visibility — Electric Only — Bulbs Not Included

Double Contact Electric, All Colors Listed Certified for No. 1004 Bulb, 12 Volt, 15 C.P. Specify Fig. 0-2A or 0-6A

Medium Screw Electric, Clear or Yellow, Certified for 15 Watt A-17 Bulb Specify Fig. 0-6B and Color

Medium Screw Electric, Red or Green, Certified for 25 Watt A-19 Bulb Specify Fig. 0-6B and Color

FOR NAVIGATIONAL PURPOSES WE DO NOT INSTALL A MEDIUM SCREW SOCKET IN Fig. 0-2

AVAILABLE AND CERTIFIED IN FOLLOWING TYPE SOCKETS AND COLORS FOR ELECTRIC ONLY

	CLEAR	RED	GREEN	YELLOW
0-2 D.C SPECIFY	0-2A	0-2RA	0-2GA	0-2MA
0-6 D.C SPECIFY	0-6A	0-6RA	0-6GA	0-6MA
0-6 Med.Screw SPECIFY	0-6B	0-6RB	0-6GB	0-6MB

FOR OIL USE ONLY

Fig. 0-2 Available in Clear Only.

Fig. 0-6 Available in Clear, Red, Green or Yellow, Specify Color.

Fig.	Galvanized Each	Polished Brass Each	Height Inches	Height Lens Inches	Weight Pounds
0-2			8-5/8	3-5/16	2
0-6			11-3/4	4-1/4	3

SPARE PARTS

Lenses For Figs. 17 and 19, See Fig. 259.
Lenses For Figs. 18 and 20, See Fig. 258.
Lenses For Figs. 97 and 102, See Fig. 289.
Lenses For Fig. 0-2, and 0-6, See Fig. 261.
Oil Founts For All Except Fig. 0-2, See Fig. 286.
Oil Founts For Fig. 0-2, See Fig. 287.
Medium Screw Sockets Only, See Fig. 346 No. 1.

Electric Adaptors For All Except Fig. 0-2, See Figs. 291, 292.
Electric Adaptors For Fig. 0-2, See Fig. 293.
Burners and Wicks For All Above, See Figs. 246, 302.
Lamps (Bulbs), See Fig. 337 Nos. 12 and 14 Also Fig. 340 Nos. 5 and 6.
D.C. Sockets Only, See Fig. 276.
Side Light Brackets, See Fig. 131.

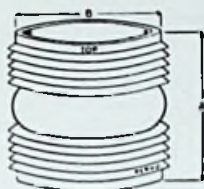
SPARE PARTS FOR SECTION A



112½° LENSES

Class	Each	A Inches	B Inches
2		4-1/4	3-3/16
3		5-3/16	3-11/16

Red — Fig. 259-R
Green — Fig. 259-G

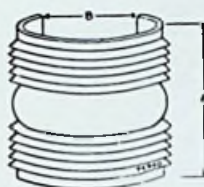


360° LENSES

Class	Each	A Inches	B Inches
Junior		3-5/16	3-3/16
Senior		4-1/4	4

* Clear — Fig. 261
Red — Fig. 261-R
Green — Fig. 261-G
Yellow — Fig. 261-M

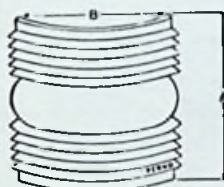
*Specify if for use with Oil or Electric Light



225° LENSES

Class	Each	A Inches	B Inches
2		4-1/4	3-1/2
3		5-1/8	3-1/4

Clear — Fig. 256
Yellow — Fig. 256-M (Class 3 Only)



135° LENSES

Class	Each	A Inches	B Inches
2		4-1/4	3-1/2
3		5-1/8	3-5/8

Clear — Fig. 269
Yellow — Fig. 269-M



Fig. 248

FRESNEL GLOBES Clear — Plastic Complete with Gasket

Each	Height Inches	Diameter Thread Inches
	2½	2



SKIN PACK — Fig. 248-SP
Complete with Gasket
One Globe Per Card
Ten Cards Per Box
Weight Per Box, 1½ Pounds
Sold To Trade In Full Box Only



Fig. 106

FRESNEL GLOBES Plastic Complete with Gasket

Each	Height Inches	Diam. Thread Inches	Inside Diam. Inches
	5	3-1/4	2-7/8

Clear — Fig. 106
Red — Fig. 106-R
Green — Fig. 106-G
Yellow — Fig. 106-M



Fig. 77

FRESNEL GLOBES Clear Glass Complete with Gasket

Each	Height Inches	Diam. Thread Inches	Inside Diam. Inches
	5-1/2	2-3/8	1-7/8



Fig. 24

BAYONET Double Contact Sockets Delrin Body — Bronze Spring Non-Corrosive Positive Contact

No.	Each	Length Pigtails Inches	Outside Diameter Inches
1		10	3/4
2		60	3/4

Standard package, 10 pieces



Fig. 52

BAYONET Double Contact Socket Brass Case — Bronze Spring

Each	Outside Diameter Inches	Length Inches	Length Pigtails Inches
	11/16	7/8	6

Standard package 10 pieces.



Fig. 747

BAYONET Double Contact Socket Brass Case — Hard Rubber Insulation

Each	Length Inches	Outside Diameter Inches
	1-1/8	11/16

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



Fig. 276

BAYONET Double Contact Sockets Brass Case — Tapped 1/8 Inch I.P.S.

No.	Each	Length Overall Inches
0		1-1/2
2		2
3		2-3/8
4		3



Fig. 346

MEDIUM SCREW SOCKETS Phenolic — C.G. Approved

250 Volts — 660 Watts

No.	Each	*Size Thread Inches	Height Inches	Extreme Diameter Inches
1		1/8	2-1/8	1-1/2
2		3/8	2-1/8	1-1/2
3		1/2	1-3/4	1-1/2

Standard package 5 pieces.
*No. 1 and No. 2 have Internal Thread, No. 3 has External Thread.

SPARE PARTS FOR SECTION A



Fig. 286

OIL FOUNT
Brass - Spring Type

Each	Diameter Overall Inches	Opening In Light Inches
	3-5/8	3-3/16

Used in All Lights on Page A-18 Except Fig. 0-2. Also Used in Fig. 44-8" and Fig. 49.



Fig. 287

OIL FOUNT
Brass - Swivel Type

Each	Diameter Overall Inches	Opening In Light Inches
	4-1/2	4

Used in Figs. 0-2 and 44, 6"



Fig. 291

ELECTRIC ADAPTERS
Double Contact
Brass - Spring Type

Each	Diameter Overall Inches	Opening In Light Inches
	3-5/8	3-3/16

Used in the Following Lights
Size Figs.

No. 3 - 06, 4C/2, 5C/2, 7C/2, 17, 18, 97
No. 4 - 4C/3, 5C/3, 7C/3, 19, 20, 102

Be Sure To Specify Size No.



Fig. 293

ELECTRIC ADAPTER
Double Contact
Brass - Swivel Type

Each	Diameter Overall Inches	Opening In Light Inches
	4-1/2	4

Used in Fig. 02



Fig. 292

ELECTRIC ADAPTER
Medium Screw
Brass - Spring Type

Each	Diameter Overall Inches	Opening In Light Inches
	3-5/8	3-3/16

Used in All Lights on Pages A-18 and A-19. Except Fig. 02. Also Used in Fig. 44-8" and Fig. 49.



Fig. 274

ELECTRIC ADAPTER
Medium Screw
Brass - Swivel Type

Each	Diameter Overall Inches	Opening In Light Inches
	4-1/2	4

Used in Figs. 0-2 and 44, 6"



Fig. 246

OIL BURNERS
Brass

Each	Diam. Thread inches	Width Wick Inches
	7/8	3/8

Standard Package, 5 Pieces

Used in All Lights on Page A-18, Also Fig. 44, 6" and 8", Fig. 49



Fig. 138

ELECTRIC ADAPTER
Double Contact
Brass - Swivel Type

Each	Diam. Overall Inches	Opening In Light Inches
	2-3/16	1-7/8

Used in Figs. 91, 98 and 99. Specify Class 2 or 3.



Fig. 302

FLAT OIL WICKS
Cotton

No.	Each	Width Inches
00		3/8
0		1/2

Standard Package, 20 Pieces.



Fig. 131

MOUNTING BRACKETS
For Lights
Galvanized or Brass

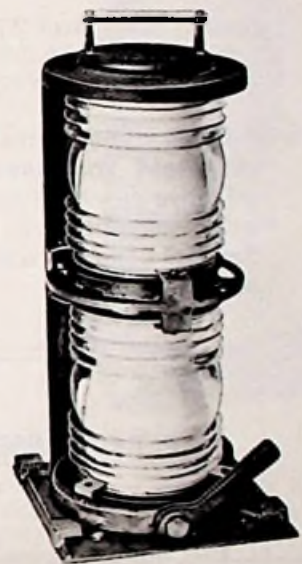
Galv. Each	Brass Each	Width Inches	Height Inches
		1-1/2	4-3/4

Used on All Lights on Page A-18 and A-19 Except Figs. 02 and 06.

SECTION B

PERKO®

**navigation lights
for vessels over
20 meters (65.7 ft.)**



MANUFACTURED BY PERKO, INC. 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164

FOR COMPLETE LINE SEE CATALOG NO. 235

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72 COLREGS

On March 31, 1977, the U.S. Coast Guard published in the Federal Register, an amendment to the navigation and navigable waters regulations, which added a new subchapter DD, (33CFR 87). This subchapter contains rules implementing and interpreting the International Regulations for Preventing Collisions at Sea, 1972 (72 COLREGS). The International Regulations for Preventing Collisions at Sea, 1960, were replaced by the 72 COLREGS at 1200 hours, zone time on July 15, 1977. Therefore, all U.S. vessels on the high seas must comply with the 72 COLREGS at this time.

Rules 21 and 22 of the 72 COLREGS, give the color and range requirements for various navigation lights, Annex I to the 72 COLREGS, gives positioning and technical details for these lights.

For existing vessels, over 20 meters (65.7 ft), whose keels were laid before July 15, 1977, Rule 38 of the 72 COLREGS allows a phase-in period and in certain cases, a permanent exemption from various navigation light requirements.

New vessels over 20 meters (65.7 ft), the keels of which were laid after July 15, 1977, are subject to the 72 COLREGS and may no longer install navigation lights listed in U.S.C.G. -293 unless, it has been determined by the Commandant that they meet 72 COLREGS.

To allow time for the U.S. Coast Guard and Underwriters Laboratories, Inc. to develop complete test procedures, the U.S. Coast Guard implemented an interim acceptance program, effective July 15, 1977. Interim acceptance indicates the lights have been tested and comply with paragraphs 7, 8, 9 and 10 of Annex I of the 72 COLREGS and may be installed on vessels the keel of which was laid after July 15, 1977 until one year after U.L. Standard No. 1104 becomes effective.

*** IMPORTANT NOTE ***

PERKO PRESENTLY OFFERS THREE CATEGORIES OF NAVIGATION LIGHTS

FINAL ACCEPTANCE LIGHTS

The lights shown on Page B-3 of this catalog have been tested by Underwriters' Laboratories under U.L. Standard 1104 and classified as meeting U.S. Coast Guard requirements under the 72 COLREGS. These lights are offered for use on new construction or replacements on existing vessels.

INTERIM ACCEPTANCE LIGHTS

The lights shown on Pages B-4 through B-8 of this catalog may still be used for new construction under the interim program, until such time as U.L. Standard 1104 becomes effective.

SPECIAL PURPOSE LIGHTS

The lights shown on Pages B-10 through B-15 are offered for use where the vessel is subject to "Rules of the Road, C.G. 169 Inland Section", "Western Rivers, C.G. 184" or "Great Lakes, C.G. 172" or may possibly be used on existing vessels where they comply with rule 38 of the 72 COLREGS.

For the present, the U.S. Coast Guard will not publish a list of U.L. classified lights or interim acceptance lights, however Field Offices have been notified. For more detailed information, consult the complete 72 COLREGS and your local Coast Guard office.

FINAL ACCEPTANCE LIGHTS

THE LIGHTS LISTED ON THIS PAGE HAVE BEEN TESTED BY UNDERWRITERS LABORATORIES, INC. UNDER U.L. STANDARD 1104 AND CLASSIFIED AS MEETING THE U.S. COAST GUARD REQUIREMENTS UNDER 72 COLREGS FOR USE ON ALL VESSELS OVER 20 METERS (65.7 ft.).

SINGLE AND DOUBLE LENS NAVIGATION LIGHTS CAST BRONZE — WATERTIGHT — ELECTRIC

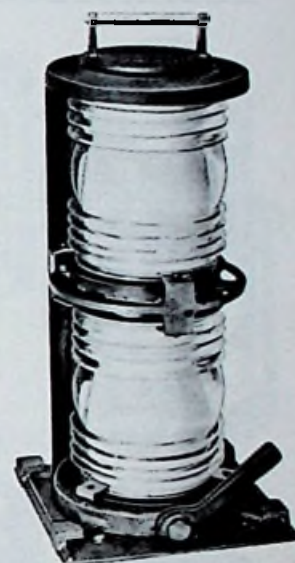
Each section contains a Medium Prefocus Lamp Socket, a watertight terminal tube for cable entrance and watertight access cap for rebulbing and cleaning. Bulbs Not Included.

DOUBLE LENS TYPE

SINGLE LENS TYPE



	Height Overall Inches	Height Lens Inches	Weight Pounds
Single Lens	10	6-3/4	12
Double Lens	18	6-3/4	24



IMPORTANT BULB DATA

To comply with U.L. Standard 1104, the lights listed on this page must use Perko Fig. 342 Bulbs, or equal.

Single Lens	Double Lens	For Vessels 20 Meters to 50 Meters (65.7 ft. to 164.1 ft.)	For Vessels Over 50 Meters (164.1 ft.)
----------------	----------------	--	--

Fig. No.	Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage*	Visibility Miles	Required Wattage*
1172-RE	1164-RE	Red Side Light	112½°	2	25	3	60
1172-GE	1164-GE	Green Side Light	112½°	2	25	3	40
1173-E	1165-E	White Masthead Light	225°	5	40	6	60
1174-E	1166-E	White Stern Light	135°	2	15	3	25
1174-ME	1166-ME	Yellow Towing Light	135°	2	15	3	25
1169-E	1167-E	White All-Round Light	360°	2	15	3	25
1170-RE	1168-RE	Red All-Round Light	360°	2	25	3	60
1170-GE	1168-GE	Green All-Round Light	360°	2	25	3	40
1170-ME	1168-ME	Yellow All-Round Light	360°	2	15	3	25

NOTE: THESE LIGHTS MAY ALSO BE USED ON VESSELS THE KEELS OF WHICH WERE LAID PRIOR TO JULY 15, 1977.

*BULB DATA FOR ABOVE LIGHTS

The Above Lights must use Special Perko Bulb Type T-10, Medium Prefocus Base, 2-3/8" L.C.L., C-8 filament, Clear, 120 Volts, as follows:

Fig. No.	Wattage
342-1	15
342-2	25
342-3	40
342-4	60

SPARE PARTS

Top Cap with O-Ring, Fig 1141
O-Ring only for Top Cap, Fig. 1159
Bottom Cap with Gasket, Fig. 1139
Gasket only for Bottom Cap, Fig. 1142
Lens Gasket, Fig. 1143
Lenses, See Fig. 261, No. 1
Lens Retaining Clip with Bolt, Fig. 1133
Medium Prefocus Sockets, See Fig. 347

INTERIM ACCEPTANCE LIGHTS

THE LIGHTS LISTED ON THIS PAGE HAVE BEEN GIVEN INTERIM ACCEPTANCE BY THE U.S. COAST GUARD FOR USE ON ALL VESSELS OVER 20 METERS (65.7 ft.) — SEE PAGE B-2 FOR DETAILS ON THE INTERIM ACCEPTANCE PROGRAM.

ELECTRIC NAVIGATION LIGHTS

Brass or Galvanized Steel Body — Cast Bronze Rebulbing Cap — Medium Screw Lamp Socket — Terminal Tube for Cable Entrance — Bulbs Not Included

Size. No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Nominal Height Inches	Nominal Height Inches	Nominal Weight Pounds
1				6-3/4	11-1/2	8
2				7-1/2	13-1/2	12

For Vessels 20 Meters to 50 Meters
(65.7 ft. to 164.1 ft.)

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage*
1150-RB1	Red Side Light	112½°	2	15 clear
1150-GB1	Green Side Light	112½°	2	15 clear
1151-B01	White Masthead Light	225°	5	40 clear
1152-B01	White Stern Light	135°	2	15 clear
1152-MB1	Yellow Towing Light	135°	2	15 clear
1153-B01	White All-Round Light	360°	2	25 frosted
1154-RB1	Red All-Round Light	360°	2	40 frosted
1154-GB1	Green All-Round Light	360°	2	40 frosted
1154-MB1	Yellow All-Round Light	360°	2	25 frosted



Red & Green Side Lights
112½ Degrees



Masthead Lights
225 Degrees



Stern or Towing Lights
135 Degrees



All-Round Lights
360 Degrees

For Vessels Over 50 Meters
(164.1 ft.)

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage*
1150-RB2	Red Side Light	112½°	3	40 clear
1150-GB2	Green Side Light	112½°	3	60 clear
1151-B02	White Masthead Light	225°	6	60 clear
1152-B02	White Stern Light	135°	3	15 clear
1152-MB2	Yellow Towing Light	135°	3	25 clear
1153-B02	White All-Round Light	360°	3	25 frosted
1154-RB2	Red All-Round Light	360°	3	60 frosted
1154-GB2	Green All-Round Light	360°	3	60 frosted
1154-MB2	Yellow All-Round Light	360°	3	40 frosted

*BULB DATA FOR ABOVE LIGHTS

The Above Lights must use Bulb Type T-10, Medium Screw Base, C-8 filament, 120 Volts, as follows:

Fig. No.	Wattage	Mfg. No.
340-20	15 clear	15T10
340-21	25 clear	25T10
340-22	40 clear	40T10
340-23	60 clear	60T10/64
340-24	25 frosted	25T10/IF
340-25	40 frosted	40T10/IF
340-26	60 frosted	60T10/IF

NOTE: THESE LIGHTS MAY ALSO BE USED ON VESSELS THE KEELS OF WHICH WERE LAID PRIOR TO JULY 15, 1977.

SPARE PARTS

112½° Lenses, See Fig. 259, Nos. 1 or 2
135° Lenses, See Fig. 269, Nos. 1 or 2
225° Lenses, See Fig. 256, Nos. 1 or 2
360° Lenses, See Fig. 261, Nos. 1 or 2

Bronze Caps with Gasket, Specify Fig. 1160
Medium Screw Sockets, See Fig. 346, No.2
Socket Supports, See Fig. 341
Mounting Brackets, Specify Fig. 143

INTERIM ACCEPTANCE LIGHTS

THE LIGHTS LISTED ON THIS PAGE HAVE BEEN GIVEN INTERIM ACCEPTANCE BY THE U.S. COAST GUARD FOR USE ON ALL VESSELS OVER 20 METERS (65.7 ft.) — SEE PAGE B-2 FOR DETAILS ON THE INTERIM ACCEPTANCE PROGRAM.

ELECTRIC NAVIGATION LIGHTS

Brass or Galvanized Steel Body — Bottom Opening — Medium Screw Lamp Socket
Bulbs Not Included

Size No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Nominal Height Lens Inches	Nominal Height Light Inches	Nominal Weight Pounds
1				6-3/4	11	6
2				7-1/2	13	9

For Vessels 20 Meters to 50 Meters (65.7 ft. to 164.1 ft.)

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage*
30-RB1	Red Side Light	112½°	2	15 clear
30-GB1	Green Side Light	112½°	2	15 clear
983-B01	White Masthead Light	225°	5	40 clear
986-B01	White Stern Light	135°	2	15 clear
986-MB1	Yellow Towing Light	135°	2	15 clear
32-B01	White All-Round Light	360°	2	25 frosted
84-RB1	Red All-Round Light	360°	2	40 frosted
84-GB1	Green All-Round Light	360°	2	40 frosted
84-MB1	Yellow All-Round Light	360°	2	25 frosted



Red & Green Side Lights
112½ Degrees



Masthead Lights
225 Degrees

For Vessels Over 50 Meters (164.1 ft.)

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage*
30-RB2	Red Side Light	112½°	3	40 clear
30-GB2	Green Side Light	112½°	3	60 clear
983-B02	White Masthead Light	225°	6	60 clear
986-B02	White Stern Light	135°	3	15 clear
986-MB2	Yellow Towing Light	135°	3	25 clear
32-B02	White All-Round Light	360°	3	25 frosted
84-RB2	Red All-Round Light	360°	3	60 frosted
84-GB2	Green All-Round Light	360°	3	60 frosted
84-MB2	Yellow All-Round Light	360°	3	40 frosted



Stern or Towing Lights
135 Degrees



All-Round Lights
360 Degrees

*BULB DATA FOR ABOVE LIGHTS

The Above Lights must use Bulb Type T-10, Medium Screw Base, C-8 filament, 120 Volts, as follows:

Fig. No.	Wattage	Mfg. No.
340-20	15 clear	15T10
340-21	25 clear	25T10
340-22	40 clear	40T10
340-23	60 clear	60T10/64
340-24	25 frosted	25T10/IF
340-25	40 frosted	40T10/IF
340-26	60 frosted	60T10/IF



Electric Adapter
In Base of Light

NOTE: THESE LIGHTS MAY ALSO BE USED ON VESSELS THE KEELS OF WHICH WERE LAID PRIOR TO JULY 15, 1977.

SPARE PARTS

112½° Lenses, See Fig. 259, Nos. 1 or 2
135° Lenses, See Fig. 269, Nos. 1 or 2
225° Lenses, See Fig. 256, Nos. 1 or 2
360° Lenses, See Fig. 261, Nos. 1 or 2

Medium Screw Adapters, See Fig. 288
Medium Screw Sockets, See Fig. 346, No. 2
Mounting Brackets, Specify Fig. 143

INTERIM ACCEPTANCE LIGHTS

THE LIGHTS LISTED ON THIS PAGE HAVE BEEN GIVEN INTERIM ACCEPTANCE BY THE U.S. COAST GUARD FOR USE ON ALL VESSELS OVER 20 METERS (65.7 ft.) — SEE PAGE B-2 FOR DETAILS ON THE INTERIM ACCEPTANCE PROGRAM.

ELECTRIC NAVIGATION LIGHTS

Brass or Galvanized Steel Body — Bottom Opening — Medium Screw Lamp Socket
Bulbs Not Included

Size No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Nominal Height Lens Inches	Nominal Height Light Inches	Nominal Weight Pounds
1				6-3/4	15	7
2				7-1/2	18	10-1/2



Red & Green Side Lights
112½ Degrees



Masthead Lights
225 Degrees



Stern or Towing Lights
135 Degrees



All-Round Lights
360 Degrees



Electric Adapter
In Base of Light

For Vessels 20 Meters to 50 Meters
(65.7 ft. to 164.1 ft.)

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage*
21-RB1	Red Side Light	112½°	2	15 clear
21-GB1	Green Side Light	112½°	2	15 clear
982-B01	White Masthead Light	225°	5	40 clear
985-B01	White Stern Light	135°	2	15 clear
985-MB1	Yellow Towing Light	135°	2	15 clear
23-B01	White All-Round Light	360°	2	25 frosted
129-RB1	Red All-Round Light	360°	2	40 frosted
129-GB1	Green All-Round Light	360°	2	40 frosted
129-MB1	Yellow All-Round Light	360°	2	25 frosted

For Vessels Over 50 Meters
(164.1 ft.)

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage*
21-RB2	Red Side Light	112½°	3	40 clear
21-GB2	Green Side Light	112½°	3	60 clear
982-B02	White Masthead Light	225°	6	60 clear
985-B02	White, Stern Light	135°	3	15 clear
985-MB2	Yellow Towing Light	135°	3	25 clear
23-B02	White All-Round Light	360°	3	25 frosted
129-RB2	Red All-Round Light	360°	3	60 frosted
129-GB2	Green All-Round Light	360°	3	60 frosted
129-MB2	Yellow All-Round Light	360°	3	40 frosted

*BULB DATA FOR ABOVE LIGHTS

The Above Lights must use Bulb Type T-10, Medium Screw Base, C-8 filament, 120 Volts, as follows:

Fig. No.	Wattage	Mfg. No.
340-20	15 clear	15T10
340-21	25 clear	25T10
340-22	40 clear	40T10
340-23	60 clear	60T10/64
340-24	25 frosted	25T10/IF
340-25	40 frosted	40T10/IF
340-26	60 frosted	60T10/IF

NOTE: THESE LIGHTS MAY ALSO BE USED ON VESSELS THE KEELS OF WHICH WERE LAID PRIOR TO JULY 15, 1977.

SPARE PARTS

112½° Lenses, See Fig. 259, Nos. 1 or 2
135° Lenses, See Fig. 269, Nos. 1 or 2
225° Lenses, See Fig. 256, Nos. 1 or 2
360° Lenses, See Fig. 261, Nos. 1 or 2

Medium Screw Adapters, See Fig. 288
Medium Screw Sockets, See Fig. 346, No.2
Mounting Brackets, Specify Fig. 143

INTERIM ACCEPTANCE LIGHTS

THE LIGHTS LISTED ON THIS PAGE HAVE BEEN GIVEN INTERIM ACCEPTANCE BY THE U.S. COAST GUARD FOR USE ON ALL VESSELS FROM 20 METERS TO 50 METERS (65.7 ft. to 164.1 ft.) — SEE PAGE B-2 FOR DETAILS ON THE INTERIM ACCEPTANCE PROGRAM.

ELECTRIC NAVIGATION LIGHTS — FOR VESSELS 20 TO 50 METERS (65.7 ft. to 164.1 ft.)
SHEET METAL — GALVANIZED STEEL, POLISHED BRASS OR BRASS CHROMIUM PLATED
BOTTOM OPENING — ELECTRIC SOCKET IS SINGLE CONTACT PREFOCUS
FOR 12 VOLT USE ONLY — BULBS NOT INCLUDED

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Bulb Amperage
4-RD3	Red Side Light	112½°	2	.77A
4-GD3	Green Side Light	112½°	2	.77A
5-D03	White Masthead Light	225°	5	2.03A
7-D03	White Stern Light	135°	2	.55A
7-MD3	Yellow Towing Light	135°	2	.55A

Height Inches	Height Lens Inches	Weight Pounds Each
8-1/2	5-3/16	3-1/4



Red & Green Side Lights
112½ Degrees



Stern or Towing Lights
135 Degrees

NOTE: WHEN ORDERING, SPECIFY FINISH.

***BULB DATA FOR FIGS. 4, 5 & 7**

The Above lights Must Use Bulb Type S-8, Single Contact Prefocus, C-8 Filament, Clear, 12 Volts, as follows:

Fig. No.	Amperage	Mfg. No.
373-2	.55	55A/S8
373-3	.77	77A/S8
373-5	2.03	2.03A/S8SCP



Masthead Lights
225 Degrees

ALL-ROUND LIGHTS — FOR VESSELS 20 TO 50 METERS (65.7 ft. to 164.1 ft.)
CAST BRONZE — PLAIN OR CHROMIUM PLATED — ELECTRIC SOCKET IS MEDIUM SCREW
FOR 12 VOLT USE ONLY — BULBS NOT INCLUDED

Fig. No.	Height Overall Inches	Diameter Base Inches	Tapped Pipe Size Inches	Weight Pounds
112	8-3/4	3-1/8	—	3-3/4
309	6-1/2	—	1/2	2-1/2

NOTE: WHEN ORDERING, SPECIFY FINISH.

Figs. 112 & 309 — BULB DATA

Fig. No.	Description	Visibility Miles	Required Wattage	Bulb Fig. No.
112 & 309	White All-Round Light	2	15 frosted	340-5
112M & 309M	Yellow All-Round Light	2	15 frosted	340-5
112R & 309R	Red All-Round Light	2	25 frosted	340-6
112G & 309G	Green All-Round Light	2	25 frosted	340-6



Fig. 112



Fig. 309

All-Round Lights
360 Degrees

Above Lights Must Use Bulb Type A-17, Medium Screw Base, 12 Volt, Frosted Bulbs.

SPARE PARTS

Lenses For Fig. 4, See Fig. 259, Class 3.
Lenses for Fig. 5, See Fig. 256, Class 3.
Lenses for Fig. 7, See Fig. 269, Class 3.
Globes For Figs. 112 & 309, See Fig. 106.

Bulbs for Figs. 4, 5 & 7, Specify Fig. 373 and Size.
Bulbs, For Figs. 112 & 309, Specify Fig. 340 and Size.
S. C. Prefocus Adapter, Specify Fig. 294 No. 3
Medium Screw Sockets For Figs. 112 & 309, See Fig. 346 No. 3
Mounting Brackets, Specify Fig. 131 and Finish.

INTERIM ACCEPTANCE LIGHTS

THE LIGHTS LISTED ON THIS PAGE HAVE BEEN GIVEN INTERIM ACCEPTANCE BY THE U.S. COAST GUARD FOR USE ON ALL VESSELS OVER 20 METERS (65.7 ft.) — SEE PAGE B-2 FOR DETAILS ON THE INTERIM ACCEPTANCE PROGRAM.

**ALL-ROUND LIGHTS
CAST BRONZE — MEDIUM SCREW ELECTRIC SOCKET
BULBS NOT INCLUDED**

ALL-ROUND LIGHTS — Figs. 403, 412 & 454



**Fig. 403
Fig. 454**

Fig. No.	Height Overall Inches	Height Lens Inches	Tapped Pipe Size Inches	Weight Pounds
403-2	9	4-1/4	3/4	6-1/2
403-3	11-1/2	6-3/4	1	9-1/2
412	14	6-3/4	—	11-1/2
454	11-1/2	6-3/4	1	9-1/2

**For Vessels 20 Meters to 50 Meters
(65.7 ft. to 164.1 ft.)**

Fig. No.	Description	Visibility Miles	Required Wattage*
403-B02	White All-Round Light	2	25 frosted
403-RB2	Red All-Round Light	2	40 frosted
403-GB2	Green All-Round Light	2	40 frosted
403-MB2	Yellow All-Round Light	2	25 frosted
412-B	White All-Round Light	2	25 frosted
412-RB	Red All-Round Light	2	40 frosted
412-GB	Green All-Round Light	2	40 frosted
412-MB	Yellow All-Round Light	2	25 frosted



Fig. 412

**For Vessels Over 50 Meters
(164.1 ft.)**

Fig. No.	Description	Visibility Miles	Required Wattage*
403-B03	White All-Round Light	3	40 frosted
403-RB3	Red All-Round Light	3	60 frosted
403-GB3	Green All-Round Light	3	60 frosted
403-MB3	Yellow All-Round Light	3	40 frosted
412-B	White All-Round Light	3	40 frosted
412-RB	Red All-Round Light	3	60 frosted
412-GB	Green All-Round Light	3	60 frosted
412-MB	Yellow All-Round Light	3	40 frosted

**FIG. 454-B White Whistle Light —
Visibility 5 miles with 75 watt Soft White,
A-19, CC-6 filament, medium screw base bulb.**

SPARE PARTS

- Lens for Fig. 403-2, See Fig. 261 Senior.
- Lenses for Figs. 403-3, 412, 454, See Fig. 261 No. 1.
- Medium Screw Socket for Fig. 403-2, See Fig. 348 No. 2.
- Medium Screw Sockets for Figs. 403-3, 412, 454, See Fig. 369.
- Cover Gasket for Fig. 403 No.2, Specify Fig. 1140 Size 1.
- Cover Gasket for Figs. 403 No. 3, 412, 454, Specify Fig. 1140 Size 2.

***BULB DATA FOR ABOVE LIGHTS**

Figs. 403 and 412 must use Bulb Type T-10, Medium Screw Base, C-8 Filament, frosted, 120 volts, as follows:

Fig. No.	Wattage	Mfg. No.
340-24	25	25T10/IF
340-25	40	40T10/IF
340-26	60	60T10/IF

IMPORTANT INFORMATION

THE ELECTRIC NAVIGATION AND SIGNAL LIGHTS SHOWN ON PAGES B-10 THRU B-13 AND B-15 ARE DESIGNED TO MEET INLAND AND INTERNATIONAL REQUIREMENTS PRIOR TO 72 COLREGS. THEY CAN BE USED ON VESSELS THE KEELS OF WHICH WERE LAID PRIOR TO JULY 15, 1977 PER RULE 38 OF THE 72 COLREGS. THEY MAY BE USED FOR SPECIAL PURPOSES, CONSULT C.G. 169 — INLAND SECTION, C.G. 172 — GREAT LAKES, C.G. 184 — WESTERN RIVERS OR YOUR LOCAL COAST GUARD OFFICE FOR FURTHER DETAILS.

THE OIL LIGHTS SHOWN ON PAGE B-14 MAY BE USED ONLY AS EMERGENCY LIGHTS FOR NEW OR EXISTING VESSELS.

The wattages shown in the following tables are recommended to meet the visibility requirements.*

<u>TYPE OF LIGHT</u>	<u>COLOR</u>	<u>DEGREES OF VISIBILITY</u>	<u>POINTS OF COMPASS</u>	<u>DISTANCE OF VISIBILITY IN MILES</u>	<u>RECOMMENDED WATTAGE*</u>
Port Side	Red	112-1/2	10	2	100
Starboard Side	Green	112-1/2	10	2	100
Masthead, Range and Towing	White	225	20	5	100
Masthead, Range and Towing	Red or Amber**	225	20	2	100
Stern	White	135	12	2	50
Stern	Red or Amber**	135	12	2	100
Anchor	White	360	32	3	50
Breakdown or Not-Under-Command	Red	360	32	2	100

*Except for lights listed on Page B-10.

We do not supply lamps with the above lights. To obtain the degrees and distances of visibility, the filament of the lamp must be located at the focal center of the lens in a vertical and horizontal plane. We recommend the following: For 2-wire medium screw socket, a clear single filament A-19 lamp with 3-1/8" L.C.L. (Light Center Length). For a 3-wire mogul socket, a clear double filament P-25 lamp for marine lighting purposes. The sockets in our lights are labeled accordingly.

NOTE—Above data and results are based on the use of Fresnel Lenses.

**The 72 COLREGS refer to Amber for Inland rules and yellow for International rules — our lenses meet both requirements.

The lights referred to above comply with paragraphs 248, 251, 252, 263, 265 and 266 of Underwriters Laboratories, Inc. UL — 595 "Standard for Marine Type Electric Lighting Fixtures."

We suggest that the following should be kept available for reference. They are obtained from the local office of the U.S.C.G.

"Rules of the Road"
 C.G. 169 — International and Inland
 C.G. 172 — Great Lakes
 C.G. 184 — Western Rivers

SPECIAL PURPOSE LIGHTS

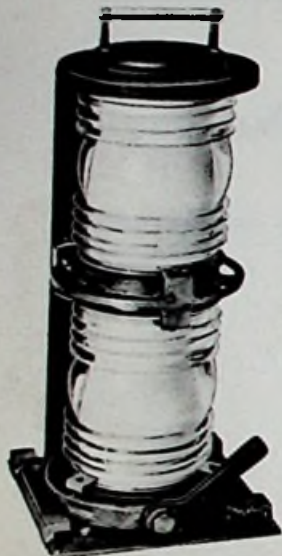
THE LIGHTS LISTED ON THIS PAGE CAN BE USED ON VESSELS OVER 65 ft. LONG THE KEELS OF WHICH WERE LAID PRIOR TO JULY 15, 1977. FOR DETAILED INFORMATION CONSULT "RULES OF THE ROAD," C.G. 169 - INLAND SECTION, C.G. 172 - GREAT LAKES, C.G. 184 - WESTERN RIVERS, OR CONTACT YOUR LOCAL COAST GUARD OFFICE.

SINGLE AND DOUBLE LENS NAVIGATION LIGHTS

CAST BRONZE — WATERTIGHT — ELECTRIC

Each section contains a phenolic Lamp Socket, a watertight terminal tube for cable entrance and a watertight access cap for rebulbing and cleaning. Bulbs Not Included.

DOUBLE LENS TYPE



	Height Overall Inches	Height Lens Inches	Weight Pounds
Double Lens	18	6-3/4	24
Single Lens	10	6-3/4	12

BULB DATA

The lights listed on this page must use Clear bulbs as follows:

Fig. No.	Base Design	Wattage	Mfg. No.
342-1	Medium Prefocus	15	
342-2	Medium Prefocus	25	
342-3	Medium Prefocus	40	
532-1	Modul Screw	50/50	P25/28
532-2	Mogul Screw	100/100	P25/29

SINGLE LENS TYPE



Double Lens Type with Medium Prefocus Sockets

Fig. No.	Description	Visibility Arc	Visibility Miles	Wattage
1165-RE	Red Masthead Light	225°	2	25
1165-ME	Yellow Masthead Light	225°	2	15
*1165-REL	White/Red Masthead Light	225°	5/2	40/25
1168-RE	Red Stern Light	135°	2	25
*1168-REL	White/Red All-Round Light	360°	3/2	25/25

Single Lens Type with Medium Prefocus Socket

1171-RE	Red Dredging Light	45°	2	25
1173-RE	Red Masthead Light	225°	2	25
1173-ME	Yellow Masthead Light	225°	2	15
1174-RE	Red Stern Light	135°	2	25

Single Lens Type with Mogul Screw Socket

1172-RC	Red Side Light	112½°	2	100/100
1172-GC	Green Side Light	112½°	2	100/100
1173-C	White Masthead Light	225°	5	100/100
1173-RC	Red Masthead Light	225°	2	100/100
1173-MC	Yellow Masthead Light	225°	2	100/100
1174-C	White Stern Light	135°	2	50/50
1174-RC	Red Stern Light	135°	2	100/100
1174-MC	Yellow Stern Light	135°	2	100/100
1168-C	White Anchor Light	360°	3	50/50
1170-RC	Red All-Round Light	360°	2	100/100
1171-RC	Red Dredging Light	45°	2	100/100

SPARE PARTS

*OUR STANDARD IS WHITE ON TOP, RED ON BOTTOM. IF REQUIRED OTHERWISE, PLEASE SPECIFY. THESE CAN BE SUPPLIED WITH MOGUL SOCKET. USE LETTERS RCL AFTER FIG. NO.

Top Cap with O-Ring, Fig. 1141
 O-Ring only for Top Cap, Fig. 1159
 Bottom Cap with Gasket, Fig. 1139
 Gasket only for Bottom Cap, Fig. 1142
 Lens Gasket, Fig. 1143

Lenses, See Fig. 281, No. 1
 Lens Retaining Clip with Bolt, Fig. 1133
 Medium Prefocus Sockets, See Fig. 347
 Mogul Sockets, See Fig. 270

SPECIAL PURPOSE LIGHTS

THE LIGHTS LISTED ON THIS PAGE CAN BE USED ON VESSELS OVER 65 FT. LONG THE KEELS OF WHICH WERE LAID PRIOR TO JULY 15, 1977. FOR DETAILED INFORMATION CONSULT "RULES OF THE ROAD," C.G. 169 - INLAND SECTION, C.G. 172 - GREAT LAKES, C.G. 184 - WESTERN RIVERS, OR CONTACT YOUR LOCAL COAST GUARD OFFICE.

ELECTRIC NAVIGATION LIGHTS FOR VESSELS OVER 65 FT. LONG

Waterproof — Cast Bronze Rebulbing Cap — Terminal Tubes

LAMP SOCKETS — MEDIUM SCREW 2 WIRE OR MOGUL 3 WIRE — LAMPS NOT INCLUDED

Size No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Nominal Height Lens Inches	Nominal Height Light Inches	Nominal Weight Pounds
1				6-3/4	11-1/2	8
2				7-1/2	13-1/2	12

Recommended For Vessels 20 Meters to 50 Meters (65.7 ft. to 164.1 ft.)

With Medium Screw Socket

Fig. No.	Description	Visibility Arc	Visibility Miles	Wattage
1151-RB1*	Red Masthead Light	225°	2	100
1151-MB1	Yellow Masthead Light	225°	2	100
1152-RB1	Red Stern Light	135°	2	100

With Mogul Screw Socket

1150-RC1	Red Side Light	112½°	2	100
1150-GC1	Green Side Light	112½°	2	100
1151-C01	White Masthead Light	225°	5	100
1151-RC1	Red Masthead Light	225°	2	100
1151-MC1	Yellow Masthead Light	225°	2	100
1152-C01	White Stern Light	135°	2	50
1152-RC1	Red Stern Light	135°	2	100
1152-MC1	Yellow Stern Light	135°	2	100
1153-C01	White All-Round Light	360°	3	50
1154-RC1	Red All-Round Light	360°	2	100



Red & Green Side Lights
112½ Degrees



Masthead Lights
225 Degrees



Stern or Towing Lights
135 Degrees



All-Round Lights
360 Degrees

Recommended For Vessels Over 50 Meters (164.1 ft.)

With Medium Screw Socket

Fig. No.	Description	Visibility Arc	Visibility Miles	Wattage
1151-RB2	Red Masthead Light	225°	2	100
1151-MB2	Yellow Masthead Light	225°	2	100
1152-RB2	Red Stern Light	135°	2	100

With Mogul Screw Socket

1150-RC2	Red Side Light	112½°	2	100
1150-GC2	Green Side Light	112½°	2	100
1151-C02	White Masthead Light	225°	5	100
1151-RC2	Red Masthead Light	225°	2	100
1151-MC2	Yellow Masthead Light	225°	2	100
1152-C02	White Stern Light	135°	2	50
1152-RC2	Red Stern Light	135°	2	100
1152-MC2	Yellow Stern Light	135°	2	100
1153-C02	White All-Round Light	360°	3	50
1154-RC2	Red All-Round Light	360°	2	100

BULB DATA

The lights listed on this page must use Clear Bulbs with 3-1/8" Light Center length as follows:

Fig. No.	Base Design	Wattage	Mfg. No.
340-19	Medium Screw	100	100A/CL A-19
532-1	Mogul Screw	50	P25/28
532-2	Mogul Screw	100	P25/29

SPARE PARTS

112½° Lenses, See Fig. 259, Nos. 1 or 2
 135° Lenses, See Fig. 269, Nos. 1 or 2
 225° Lenses, See Fig. 256, Nos. 1 or 2
 360° Lenses, See Fig. 261, Nos. 1 or 2
 Bronze Caps with Gasket, Specify Fig. 1160

Medium Screw Sockets, See Fig. 346, No. 2
 Mogul Sockets, See Fig. 270
 Socket Supports, See Fig. 341
 Mounting Brackets, Specify Fig. 143

SPECIAL PURPOSE LIGHTS

THE LIGHTS LISTED ON THIS PAGE CAN BE USED ON VESSELS OVER 65 FT. LONG THE KEELS OF WHICH WERE LAID PRIOR TO JULY 15, 1977. FOR DETAILED INFORMATION CONSULT "RULES OF THE ROAD," C.G. 169 - INLAND SECTION, C.G. 172 - GREAT LAKES, C.G. 184 - WESTERN RIVERS, OR CONTACT YOUR LOCAL COAST GUARD OFFICE.

ELECTRIC NAVIGATION LIGHTS FOR VESSELS OVER 65 FT. LONG

Flat Top Style — Bottom Opening

LAMP SOCKETS — MEDIUM SCREW 2 WIRE OR MOGUL 3 WIRE — LAMPS NOT INCLUDED

Size No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Nominal Height Lens Inches	Nominal Height Light Inches	Nominal Weight Pounds
1				6-3/4	11	6
2				7-1/2	13	9



Red & Green Side Lights
112½ Degrees



Masthead Lights
225 Degrees



Electric Adapter
in Base of Light



Stern or Towing Lights
135 Degrees



All-Round Lights
360 Degrees

Recommended For Vessels 20 Meters to 50 Meters
(65.7 ft. to 164.1 ft.)

With Medium Screw Socket

Fig. No.	Description	Visibility Arc	Visibility Miles	Wattage
983-RB1	Red Masthead Light	225°	2	100
983-MB1	Yellow Masthead Light	225°	2	100
986-RB1	Red Stern Light	135°	2	100

With Mogul Screw Socket

30-RC1	Red Side Light	112½°	2	100
30-GC1	Green Side Light	112½°	2	100
983-C01	White Masthead Light	225°	5	100
983-RC1	Red Masthead Light	225°	2	100
983-MC1	Yellow Masthead Light	225°	2	100
986-C01	White Stern Light	135°	2	50
986-RC1	Red Stern Light	135°	2	100
986-MC1	Yellow Stern Light	135°	2	100
32-C01	White All-Round Light	360°	3	50
84-RC1	Red All-Round Light	360°	2	100

Recommended For Vessels Over 50 Meters
(164.1 ft.)

With Medium Screw Socket

Fig. No.	Description	Visibility Arc	Visibility Miles	Wattage
983-RB2	Red Masthead Light	225°	2	100
983-MB2	Yellow Masthead Light	225°	2	100
986-RB2	Red Stern Light	135°	2	100

With Mogul Screw Socket

30-RC2	Red Side Light	112½°	2	100
30-GC2	Green Side Light	112½°	2	100
983-C02	White Masthead Light	225°	5	100
983-RC2	Red Masthead Light	225°	2	100
983-MC2	Yellow Masthead Light	225°	2	100
986-C02	White Stern Light	135°	2	50
986-RC2	Red Stern Light	135°	2	100
986-MC2	Yellow Stern Light	135°	2	100
32-C02	White All-Round Light	360°	3	50
84-RC2	Red All-Round Light	360°	2	100

BULB DATA

The lights listed on this page must use Clear Bulbs with 3-1/8" Light Center length as follows:

Fig. No	Base Design	Wattage	Mfg. No.
340-19	Medium Screw	100	100A/CL A-19
532-1	Mogul Screw	50	P25/28
532-2	Mogul Screw	100	P25/29

SPARE PARTS

112½° Lenses, See Fig. 259, Nos. 1 or 2
135° Lenses, See Fig. 260, Nos. 1 or 2
225° Lenses, See Fig. 256, Nos. 1 or 2
360° Lenses, See Fig. 261, Nos. 1 or 2
Medium Screw Adapters, See Fig. 288

Mogul Adapters, See Fig. 1082
Medium Screw Sockets, See Fig. 346 No. 2
Mogul Sockets, See Fig. 270
Mounting Brackets, Specify Fig. 143

SPECIAL PURPOSE LIGHTS

THE LIGHTS LISTED ON THIS PAGE CAN BE USED ON VESSELS OVER 65 ft. LONG THE KEELS OF WHICH WERE LAID PRIOR TO JULY 15, 1977. FOR DETAILED INFORMATION CONSULT "RULES OF THE ROAD," C.G. 169 - INLAND SECTION, C.G. 172 - GREAT LAKES, C.G. 184 - WESTERN RIVERS, OR CONTACT YOUR LOCAL COAST GUARD OFFICE.

ELECTRIC NAVIGATION LIGHTS FOR VESSELS OVER 65 FT. LONG

TURRET TOP — BOTTOM OPENING

LAMP SOCKETS — MEDIUM SCREW 2 WIRE OR MOGUL 3 WIRE — LAMPS NOT INCLUDED

Size No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Nominal Height Lens Inches	Nominal Height Light Inches	Nominal Weight Pounds
1				6-3/4	15	7
2				7-1/2	18	10-1/2

Recommended For Vessels 20 Meters to 50 Meters (65.7 ft. to 164.1 ft.)

With Medium Screw Socket

Fig. No.	Description	Visibility Arc	Visibility Miles	Wattage
982-RB1	Red Masthead Light	225°	2	100
982-MB1	Yellow Masthead Light	225°	2	100
985-RB1	Red Stern Light	135°	2	100

With Mogul Screw Socket

21-RC1	Red Side Light	112½°	2	100
21-GC1	Green Side Light	112½°	2	100
982-C01	White Masthead Light	225°	5	100
982-RC1	Red Masthead Light	225°	2	100
982-MC1	Yellow Masthead Light	225°	2	100
985-C01	White Stern Light	135°	2	50
985-RC1	Red Stern Light	135°	2	100
985-MC1	Yellow Stern Light	135°	2	100
23-C01	White All-Round Light	360°	3	50
129-RC1	Red All-Round Light	360°	2	100



Red & Green Side Lights
112½ Degrees



Masthead Lights
225 Degrees



Stern or Towing Lights
135 Degrees



All-Round Lights
360 Degrees

Recommended For Vessels Over 50 Meters (164.1 ft.)

With Medium Screw Socket

Fig. No.	Description	Visibility Arc	Visibility Miles	Wattage
982-RB2	Red Masthead Light	225°	2	100
982-MB2	Yellow Masthead Light	225°	2	100
985-RB2	Red Stern Light	135°	2	100

With Mogul Screw Socket

21-RC2	Red Side Light	112½°	2	100
21-GC2	Green Side Light	112½°	2	100
982-C02	White Masthead Light	225°	5	100
982-RC2	Red Masthead Light	225°	2	100
982-MC2	Yellow Masthead Light	225°	2	100
985-C02	White Stern Light	135°	2	50
985-RC2	Red Stern Light	135°	2	100
985-MC2	Yellow Stern Light	135°	2	100
23-C02	White All-Round Light	360°	3	50
129-RC2	Red All-Round Light	360°	2	100

BULB DATA

The lights listed on this page must use Clear Bulbs with 3-1/8" Light Center length as follows:

Fig. No.	Base Design	Wattage	Mfg. No.
340-19	Medium Screw	100	100A/CL A-19
532-1	Mogul Screw	50	P25/28
532-2	Mogul Screw	100	P25/29

SPARE PARTS

112½° Lenses, See Fig. 259, Nos. 1 or 2
135° Lenses, See Fig. 269, Nos. 1 or 2
225° Lenses, See Fig. 256, Nos. 1 or 2
360° Lenses, See Fig. 281, Nos. 1 or 2
Medium Screw Adapters, See Fig. 288

Mogul Adapters, See Fig. 1082
Medium Screw Sockets, See Fig. 346 No. 2
Mogul Sockets, See Fig. 270
Mounting Brackets, Specify Fig. 143

SPECIAL PURPOSE LIGHTS

THE LIGHTS LISTED ON THIS PAGE ARE OFFERED FOR EMERGENCY ONLY. THEY MAY BE USED ON VESSELS OVER 65 ft. LONG REGARDLESS OF CONSTRUCTION DATE.

***EMERGENCY OIL NAVIGATION LIGHTS FOR VESSELS OVER 65 FEET LONG
Turret Top — Bottom Opening**

Size No.	Galvanized Steel Each	Plain Brass Each	Polished Brass Each	Nominal Height Lens Inches	Nominal Height Light Inches	Nominal Weight Pounds
1				6-3/4	15	7
2				7-1/2	18	10-1/2



Red & Green Side Lights
112½ Degrees



Masthead Lights
225 Degrees



Stern or Towing Lights
135 Degrees



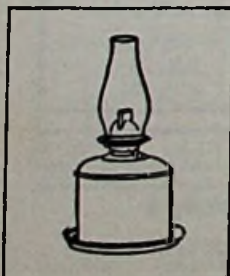
All-Round Lights
360 Degrees

**Recommended For Vessels 20 Meters to 50 Meters
(65.7 ft. to 164.1 ft.)**

Fig. No.	Description	Visibility Arc
21-R01	Red Side Light	112½°
21-G01	Green Side Light	112½°
982-001	White Masthead Light	225°
982-R01	Red Masthead Light	225°
982-M01	Yellow Masthead Light	225°
985-001	White Stern Light	135°
985-R01	Red Stern Light	135°
985-M01	Yellow Stern Light	135°
23-001	White All-Round Light	360°
129-R01	Red All-Round Light	360°
129-G01	Green All-Round Light	360°
129-M01	Yellow All-Round Light	360°

**Recommended For Vessels Over 50 Meters
(164.1 ft.)**

Fig. No.	Description	Visibility Arc
21-R02	Red Side Light	112½°
21-G02	Green Side Light	112½°
982-002	White Masthead Light	225°
982-R02	Red Masthead Light	225°
982-M02	Yellow Masthead Light	225°
985-002	White Stern Light	135°
985-R02	Red Stern Light	135°
985-M02	Yellow Stern Light	135°
23-002	White All-Round Light	360°
129-R02	Red All-Round Light	360°
129-G02	Green All-Round Light	360°
129-M02	Yellow All-Round Light	360°



Oil Lamp In Base of Light

SPARE PARTS

- 112½° Lenses, See Fig. 259, Nos. 1 or 2
- 135° Lenses, See Fig. 269, Nos. 1 or 2
- 225° Lenses, See Fig. 258, Nos. 1 or 2
- 360° Lenses, See Fig. 261, Nos. 1 or 2
- Chimneys — See Fig. 267
- Burners — See Fig. 242
- Wicks — See Fig. 302 No. 2
- Oil Founts — See Fig. 282
- Mounting Brackets, See Fig. 143

SPECIAL PURPOSE LIGHTS

THESE LIGHTS CAN BE USED ON VESSELS OVER 65 FT. LONG THE KEELS OF WHICH WERE LAID PRIOR TO JULY 15, 1977. FOR DETAILED INFORMATION CONSULT "RULES OF THE ROAD," C.G. 169 - INLAND SECTION, C.G. 172 - GREAT LAKES, C.G. 184 - WESTERN RIVERS, OR CONTACT YOUR LOCAL COAST GUARD OFFICE.

FIXED SIGNAL LIGHTS — Fig. 403

Cast Bronze — 32 Point — 360 Degrees

Fresnel Lens — Mogul Screw Socket

This Light is Often used for Blinker Signaling.

Size No.	Each	Height Lens Inches	Height Overall Inches	I.P.S. Thread Inches	Weight Pounds
2		4-1/4	9	3/4	6-1/2
3		6-3/4	11-1/2	1	9-1/2



Fig. 403

- Clear Fig. 403-C
- Red Fig. 403-RC
- Green Fig. 403-GC
- Amber Fig. 403-MC

Spare Lenses, See Fig. 261, Senior or No. 1
 Spare Mogul Sockets, Fig. 270.
 Spare Cover Gasket for Fig. 403 No. 2, Specify Fig. 1140 Size 1.
 Spare Cover Gasket for Fig. 403 No. 3, Specify Fig. 1140 Size 2.

VAPOR-PROOF FIXTURES

Listed by Underwriters Laboratories

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



Fig. 1087

CAPACITY UP TO 100 WATTS

Fig.	Each	Diameter Box Inches	Length Overall Inches	Weight Pounds
1087		3-3/4	9-1/2	3
1090		3-3/4	10	3-1/4



Fig. 1090

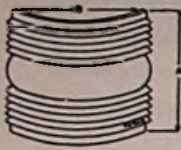
FIG. 1090 EXTENDS FROM BULKHEAD 7 INCHES OVERALL

Spare Guards, Specify Fig. No. and 99-A
 Spare Sockets, Specify Fig. No. and 99-B
 Spare Clear Globes, Specify Fig. No. and 99-C

Above fixtures have four 1/2 inch I.P.S. tappings.

SPARE PARTS FOR SECTION B

112½° LENSES



No.	Each	A Inches	B Inches
1		6-3/4	6-1/8
2		7-1/2	9-1/4

Red - Fig. 259-R
Green - Fig. 259-G

360° LENSES



No.	Each	A Inches	B Inches
1		6-3/4	5-1/8
2		7-1/2	7-3/8

White - Fig. 261
Red - Fig. 261-R
Green - Fig. 261-G
Yellow - Fig. 261-M

225° LENSES



No.	Each	A Inches	B Inches
1		6-3/4	4-1/2
2		7-1/2	6-5/8

White - Fig. 256
Red - Fig. 256-R
Yellow - Fig. 256-M

135° LENSES



No.	Each	A Inches	B Inches
1		6-3/4	5-1/8
2		7-1/2	7-1/4

White - Fig. 269
Red - Fig. 269-R
Yellow - Fig. 269-M

MEDIUM SCREW SOCKETS

Phenolic - C.G. Approved
250 Volts - 660 Watts



Fig. 346

No.	Each	*Size Thread Inches	Height Inches	Extreme Diameter Inches
1		1/8	2-1/8	1-1/2
2		3/8	2-1/8	1-1/2
3		1/2	1-3/4	1-1/2

Standard package 5 pieces.
*No. 1 and No. 2 have Internal Thread, No. 3 has External Thread.

MEDIUM SCREW SOCKETS

Phenolic - 600 Volts - 660 Watts



Fig. 369

Each	Overall Height Inches	Overall Diameter Inches	Weight Ounces
	1-3/4	2-3/4	3

Standard Package - 5 Pieces

MOGUL 3 WIRE SOCKETS

Phenolic - 600 Volts - 1500 Watts
With Metal Mounting Cap



Fig. 270

Each	Thread Inches	Height Inches	Weight Ounces
	3/8	2-3/4	6-1/2

Standard Package - 5 Pieces

SOCKET SUPPORTS

Brass - 3/8" I.P.S. Thread



Fig. 341

No.	Each	Height Overall Inches	For Size Light	For Type Socket
1		1	1	Mogul
1-1/2		1-1/2	1	Medium
2		1-13/16	2	Mogul
3		2-1/4	2	Medium

ELECTRIC ADAPTERS

2 Wire Brass Medium Screw Socket



Fig. 288

For Light No.	Each	Opening In Light Inches	Weight Ounces
1		3-3/4	6-1/2
2		4-3/4	8

ELECTRIC ADAPTERS

3 Wire Mogul Socket



Fig. 1082

For Light No.	Each	Opening In Light Inches	Weight Ounces
1		3-3/4	11-1/2
2		4-3/4	13

OIL FOUNTS

Brass



Fig. 282

For Light No.	Each	Opening In Light Inches	Weight Ounces
1		3-3/4	8
2		4-3/4	11

HINGED OIL BURNERS

Brass



Fig. 242

Brass Each	Chrome Each	Diam. Thread Inches	Width Wick Inches
		1-1/4	7/8

Standard Package - 10 Pieces

FLAT WICKS

Cotton - 7/8" Wide



Fig. 302

No.	Each	Standard Package
2		10

LIP CHIMNEYS

Glass



Fig. 267

Each	Height Inches	Diam. Bottom Inches	Weight Ounces
	6	2-1/16	3

Standard Package - 10 Pieces

MEDIUM PREFOCUS SOCKETS

Phenolic - 250 Volts - 1000 Watts



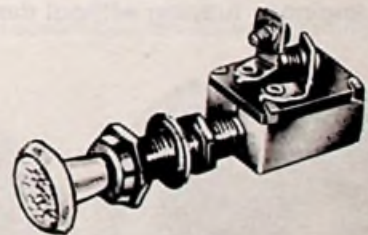
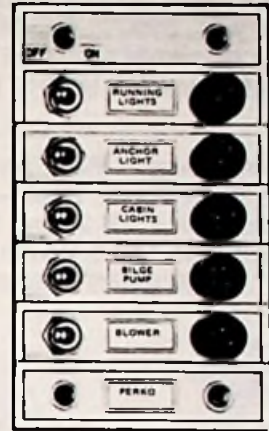
Fig. 347

Each	Overall Height Inches	Overall Diameter Inches	Weight Ounces
	1-7/8	1 1/2	4

Standard Package - 5 Pieces

PERKO®

**SWITCHES, PANELS,
CONNECTORS, ETC.**



MANUFACTURED BY PERKO, INC. 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164

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FOR COMPLETE LINE SEE CATALOG NO. 235

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NEW IMPROVED 8500 SERIES IGNITION PROTECTED BATTERY SELECTOR SWITCHES

MAKE BEFORE BREAK DESIGN — FOR USE WITH TWO OR MORE BATTERIES — FOR SINGLE OR DUAL ENGINE SYSTEMS.* THESE NEWLY DESIGNED SWITCHES OFFER UNIQUE OPTIONS SUCH AS KEY LOCK ASSEMBLY FOR EXTRA THEFT PROTECTION. PERMITS SELECTION BETWEEN BATTERIES FOR STARTING AND CHARGING OR OPERATION OF BOTH BATTERIES IN PARALLEL. ALLOWS THE ADDITION OF AN EXTRA BATTERY FOR USE WITH ACCESSORIES. "OFF" POSITION ALSO ACTS AS AN EMERGENCY DISCONNECT IN THE EVENT OF AN ELECTRICAL PROBLEM.

Patent Pending

Surface Mount — Red Plastic Housing with Improved Design to Protect Electrical Connections — Large Black Plastic Knob — Copper Contacts — Stainless Steel Spring — Brass Terminals
For use with 6, 12, 24 and 32 Volt Systems
Capacity 250 AMPS Continuous
360 AMPS Intermittent

Diameter
Inches
5-1/4

Depth
Inches
2-5/8

Standard
Package
5

Weight
Pounds
1



Fig. 8501 without Key Lock Assembly



Fig. 8502 with Key Lock Assembly

ALTERNATOR FIELD DISCONNECT MODELS

The advantage of these models permits inadvertent switching to the "OFF" position even if the engine is running without damage to the alternator.



Fig. 8503 without Key Lock Assembly
with Field Disconnect Feature



Fig. 8504 with Key Lock Assembly
with Field Disconnect Feature

*For Dual Engine Systems, 2 Switches are required.
Above switches are Marine U.L. Listed.

ALL OF THE ABOVE SWITCHES ARE PACKED IN OUR NEW CONVERTIBLE DISPLAY BOX FOR COUNTER OR RACK DISPLAY.
SEE PAGE L-6 FOR DETAILS.

NEW IMPROVED

9600 SERIES IGNITION PROTECTED MAIN BATTERY SWITCHES

ON-OFF TYPE

NOW AVAILABLE WITH NEW KEY LOCK OPTION FOR EXTRA THEFT PROTECTION

Patent Pending

Surface Mount — Red Plastic Housing with Improved Design to Protect Electrical Connections — Large Black Plastic Knob — Copper Contacts — Stainless Steel Spring — Brass Terminals
For use with 6, 12, 24 and 32 Volt Systems
Capacity 250 AMPS Continuous
360 AMPS Intermittent

Diameter Inches	Depth Inches	Standard Package	Weight Pounds
5-1/4	2-5/8	5	1



Fig. 9601 without Key Lock Assembly

Fig. 9602 with Key Lock Assembly

ALTERNATOR FIELD DISCONNECT MODELS

The advantage of these models permits inadvertent switching to the "OFF" position even if the engine is running without damage to the alternator.

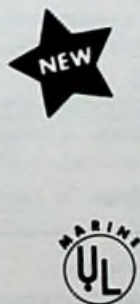


Fig. 9603 without Key Lock Assembly
with Field Disconnect Feature

Fig. 9604 with Key Lock Assembly
with Field Disconnect Feature

Above switches are Marine U.L. Listed.

ALL OF THE ABOVE SWITCHES ARE PACKED IN OUR NEW CONVERTIBLE DISPLAY BOX FOR COUNTER OR RACK DISPLAY.
SEE PAGE L-6 FOR DETAILS.

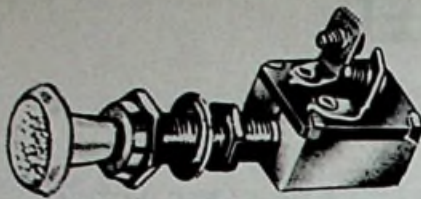


Fig. 105



Fig. 105 SP

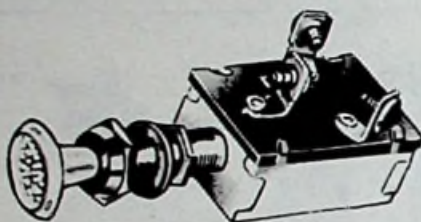


Fig. 321

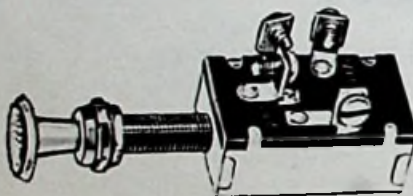


Fig. 366

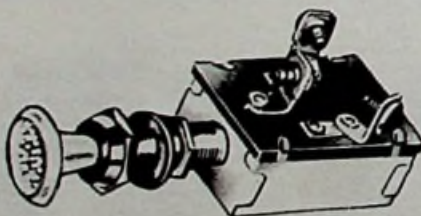


Fig. 381



Fig. 387

PUSH AND PULL SWITCHES—Fig. 105

All Brass — 2 Terminal — OFF-ON — 25 Amps. at 12 Volts

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

Standard package 10 pieces.

SKIN PACK FIG. 105-SP

No. 1

One Switch Per Card.

Twelve Cards Per Box.

Weight Per Box 3 Pounds.

Sold to trade in full box only.

PUSH-PULL SWITCH—Fig. 321

All Brass — 3 Terminal — OFF-ON-ON — 25 Amps. at 12 Volts

First "On" Position Energizes One Circuit.

Second "On" Position Energizes Other Circuit.

Ideal for Anchor Light on separate circuit from Running Lights, all on one switch. Not for use with Combination Bow and Anchor Lights. See Fig. 366

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

Standard package 10 pieces.

3-POSITION PUSH-PULL SWITCH—Fig. 366

All Brass — 2 Circuit — OFF-ON-ON — 25 Amps. at 12 Volts

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

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

Standard package 10 pieces.

3-POSITION PUSH-PULL SWITCH—Fig. 381

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

3 Position Switch — OFF-ON-ON — 25 Amps. at 12 Volts

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

Chromium Plated Each	Diam. Neck Inches	For Wood Thickness Inches	Length Overall Inches	Weight Ounces
	3/8	1	3-3/4	3

Standard package 10 pieces.

MOISTURE PROOF

BOOT AND NUT ASSEMBLY—Fig. 387

For Lock Type Switches

Key enters thru elastic slot in rubber boot.

The nut fits Figs. 304, 310 and 316 No. 2

Each

Standard Package, 5 Pieces.

NOTE—Spare Plastic, Chromium Plated knobs for above Push-Pull switches, Specify Fig. 104.

Above Switches are not Ignition Protected. See Page C-12 for details.

BUY STANDARD PACKAGES

**MOMENTARY STARTER SWITCH
OR DASHBOARD HORN BUTTON—Fig. 255**

All Brass — Push Button Type — 2 Point, 2 Terminal Spring
Action — Chromium Plated Button — 25 Amp. at 12 Volts.

Each	Diameter Neck Inches	For Wood Thickness Inches	Weight Ounces
	5/8	1	2-1/2

Standard Package, 10 Pieces

★
SKIN PACK FIG. 255 SP
One Switch Per Card.
Six Cards Per Box.
Weight Per Box 3 Pounds.

Sold to trade in full box only.

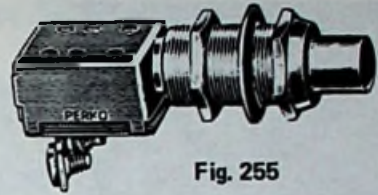


Fig. 255



Fig. 255 SP

WEATHERPROOF

**MOMENTARY STARTER SWITCH
OR DASHBOARD HORN BUTTON— Fig. 306**

All Brass — Push Button Type — 2 Point, 2 Terminal Spring
Action — Neoprene Cover Over Button — 25 Amps. at 12 Volts

Each	Diameter Neck Inches	For Wood Thickness Inches	Weight Ounces
	5/8	1	2-1/2

Standard Package, 10 Pieces

Spare covers with Nut. Specify Fig. 306-99A.



Fig. 306

★
IGNITION LOCK SWITCH—Fig. 316

Face Plate Chromium Plated — 2 Terminal — 2 Keys
20 Amps. at 12 Volts — Off-On.

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

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

Standard Package, 10 Pieces

★
SKIN PACK FIG. 316 SP

SIZE NO. 1
One Switch Per Card.
Six Cards Per Box.
Weight Per Box 2 Pounds.

Sold to trade in full box only.

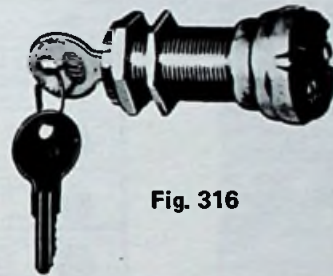


Fig. 316



Fig. 316 SP

★
IGNITION-STARTER SWITCH—Fig. 310

All Brass — Lock Type — 3 Terminal — 2 Keys — 3 Position
Switch, OFF-IGNITION-START — 20 Amps. at 12 Volts.
Returns automatically from start to ignition position.
Face nut is chromium plated, springs are stainless steel.

Each	Diameter Neck Inches	Length Neck Inches	Weight Ounces
	13/16	1-1/16	4-1/2

Standard Package, 10 Pieces

★
MAGNETO IGNITION STARTER SWITCH—Fig. 304
All Brass — 5 Terminals — 2 Keys — 20 Amps. at 12 Volts
3 Positions, OFF-RUNNING-START
Face Nut Chromium Plated, Stainless Steel Springs

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

Standard package, 5 Pieces.

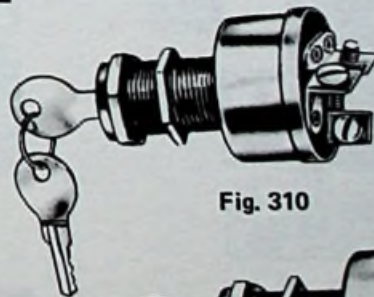


Fig. 310

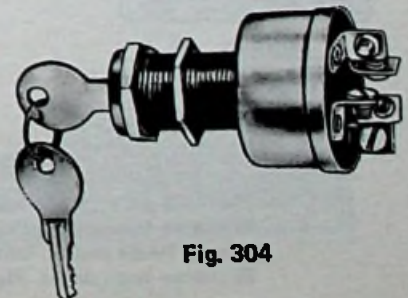


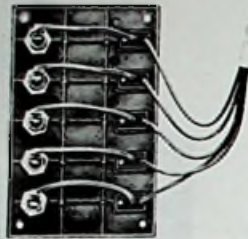
Fig. 304

SWITCH PANELS

COMPLETE WITH SWITCHES, FUSE HOLDERS AND NAME PLATES
 SWITCHES RATED 15 AMP AT 12 VOLTS
 FUSE HOLDERS FOR 1 1/4" LONG GLASS FUSES.



Fig. 517



BACK VIEW OF IMPROVED PANEL

FIG. 517
 Black Textured Finish-Embossed Lettering.
 This Panel Is Molded From A Durable Plastic That Is Flexible To Mount On Curved and Flat Surfaces. Illustration Shows Stock Panel.

Each	Size Inches	Weight Ounces
	6-1/2 x 4-1/4	8

Note, If Name Plates Other Than Shown Are Desired Specify Fig. 517A And Names Required. See Below.

SWITCH NAME PLATES—Fig. 519

Black With Engraved White Lettering



Fig. 519

No. 1 Anchor Light	No. 12 Engine Room	No. 24 Misc.	No. 37 Spreader Light
No. 2 Anchor Winch	No. 13 Fan	No. 25 Neutral	No. 38 Stbd. Light
No. 3 Bilge Pump	No. 14 Flood Lights	No. 26 Off	No. 39 Starter
No. 4 Blower	No. 15 Forward	No. 27 On	No. 40 Stern Light
No. 5 Bow Light	No. 16 Fuel	No. 28 Outdrive Tilt	No. 41 Throttle
No. 6 Cabin Lights	No. 17 Fuel Pump	No. 29 Panel Lights	No. 43 Water System
No. 7 Choke	No. 18 Heater	No. 31 Port Light	No. 44 Wiper
No. 8 Compass	No. 19 Horn	No. 32 Radio	No. 45 12 Volt
No. 9 Deck Lights	No. 20 Ignition	No. 34 Reverse	No. 46 32 Volt
No. 10 Docking Light	No. 21 Lights	No. 35 Running Lights	No. 47 110V AC
No. 11 Dome Lights	No. 23 Masthead Light	No. 36 Searchlight	No. 48 110V DC

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

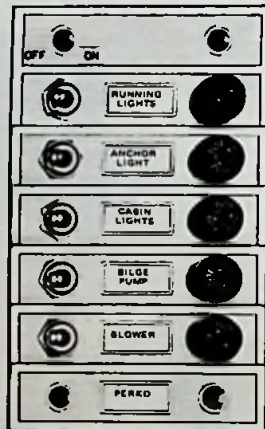


Fig. 512

FIG. 512
 Modular Switch Panels — Chromium Plated — Turquoise Self Adhesive Name Plates. Aluminum Matte Background. Assembled 5 Position Panel. This is a Stock Panel. Section "B" may be added or names changed.

Each	Dimensions Inches	Weight Pounds
	6-1/4 x 3-3/4	1

NOTE —This Panel assembled with one Section "A", Four Section "B", One Section "C".

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

MODULAR SECTIONS — Fig. 511

Each	Dimensions Inches	Weight Ounces
SECTION "A"	1-3/4 x 3-3/4	3-1/2
SECTION "B"	*7/8 x 3-3/4	2-1/2
SECTION "C"	*1 x 3-3/4	2-1/4

*Does not include Assembly Eyes. Standard Package - 5 Pieces.

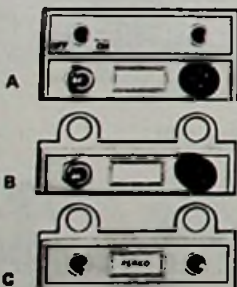


Fig. 511



Fig. 490

ALUMINUM NAME PLATES — Fig. 490

NAME SELECTION AVAILABLE (NO SPECIALS)

No. 1 Anchor Light	No. 6 Dome Light	No. 11 Radio
No. 2 Bilge Pump	No. 7 Fuel	No. 12 Running Lights
No. 3 Blower	No. 8 Horn	No. 13 Spreader Light
No. 4 Cabin Lights	No. 9 Masthead Light	No. 14 Starter
No. 5 Compass	No. 10 Misc.	No. 15 Wiper

Each	Dimensions Inches
	15/16 x 3/8

Spare Switches, Specify Fig. 514.

Spare Fuse Holders, Specify Fig. 516.

Spare Cap Only for Fuse Holders, Specify Fig. 522.

Standard package, 5 pieces each name.
 Minimum Quantity, Stock Names, 5 Pieces.
 Special name plates, Minimum quantity
 20 pieces each name. Fig. 519 only.

Above Panels meet U.S.C.G. Electrical Standards. See Page C-12
 Above Panels are not Ignition Protected. See Page C-12

PUSH TYPE SWITCH FIG. 703

Non Magnetic – With 6 Inch Wire Leads

Rated 6 Amps at 12 Volts

Each	Length Neck Inches	Diameter Neck Inches	Between Lock Nuts Inches	Weight Ounces
	3/8	3/8	1/8	1/2

Standard package 10 pieces.



Fig. 703

SKIN PACK FIG. 703 SP

One Switch Per Card.

Six Cards Per Box.

Weight Per Box 9 Ounces

Sold to trade in full box only.



Fig. 703 SP

TOGGLE SWITCHES—Fig. 688 AND 745

Fig. 688 – Brass – Screw Posts – No Leads – 15 Amp.

Rated 15 Amps at 12 Volts

Fig. 745 – Brass with Bakelite Insulation

With 6 Inch Wire Leads

Rated 20 Amps at 12 Volts

	Nickel Plated Each	Length Neck Inches	Diam. Neck Inches	Max. Thickness of Panel Inches	Weight Ounces
Fig. 688–		3/8	7/16	3/16	1
Fig. 745–		7/16	7/16	5/16	3/4

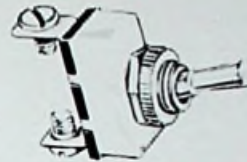


Fig. 688

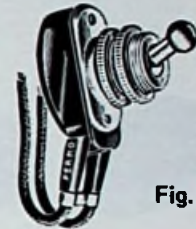


Fig. 745

Standard package 10 pieces.

FUSE PANELS—Fig. 626

Molded Plastic Base – Brass Parts – For 1-1/4" Long Glass

Fuses up to 20 Amps.

Number of Gangs	Each	Dimensions Inches	Weight Ounces
3		2-1/4x2-7/16x3/16	2
4		3 x2-7/16x3/16	2-1/4
5		3-3/4x2-7/16x3/16	2-1/2
6		4-1/2x2-7/16x3/16	2-3/4

Standard package 5 pieces.

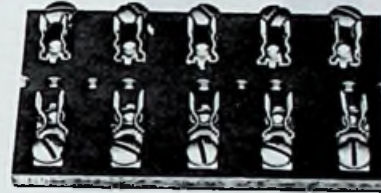


Fig. 626

COMBINATION FUSE AND TERMINAL BLOCK—Fig. 647

With Heavy Duty Binding Posts – Molded Plastic Base –

Brass Parts – For 1-1/4" Long Glass Fuses up to 20 Amps.

Number Of Gangs	Each	Dimensions Inches	Weight Ounces	Standard Package
4		3 x3-5/16x3/16	3-1/2	5
6		4-1/2x3-5/16x3/16	5	5
8		6 x3-5/16x3/16	7	1
12		9 x3-5/16x3/16	11	1

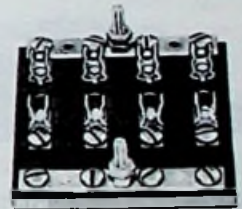


Fig. 647

FUSE PANELS—Fig. 629

With Single Bus Bar – Molded Plastic Base – Brass Parts –

for 1-1/4" Long Glass Fuses up to 20 Amps.

Number Of Gangs	Each	Dimensions Inches	Weight Ounces	Standard Package
4		3 x2-7/16x3/16	2	5
6		4-1/2x2-7/16x3/16	3	5
8		6 x2-7/16x3/16	4	1
12		9 x2-7/16x3/16	6-1/2	1



Fig. 629

FUSE PANEL—Fig. 694

Molded Plastic – Brass Metal Parts – For 1-1/4" Long Glass

Fuses up to 30 Amps.

For two active fuses and one spare.

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

Standard package 5 pieces.



Fig. 694

TERMINAL BLOCKS—Fig. 627

Molded Plastic Base – Brass Parts

Rated 30 Amps at 12 Volts.

Number of Gangs	Each	Dimensions Inches	Weight Ounces
2		1-1/2x1-1/2x3/16	1-3/4
4		3 x1-1/2x3/16	2
6		4-1/2x1-1/2x3/16	2-1/4

Standard package 5 pieces.



Fig. 627

Figs. 703 – 685 – 745 Switches are not Ignition Protected. See Page C-12.
All above Panels conform to U.S.C.G. Electrical Standards. See Page C-12.



Fig. 196

PLASTIC CABLE STRAPS—Fig. 196

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

No.	Cable Diameter Inches	Per 100	No.	Cable Diameter Inches	Per 100
1	3/16		5	1/2	
2	1/4		6	5/8	
3	5/16		7	3/4	
4	3/8				

Standard package 100 pieces per size Minimum Quantity.
Conforms To U.S.C.G. Electrical Standards. See Page C-12



BRASS CABLE STRAPS—Fig. 121

For Cable, Tubing, Control Wire, Etc.



Fig. 121

No.	Inside Diam. Inches	Per 100	Length Inches	Width Inches	No.	Inside Diam. Inches	Per 100	Length Inches	Width Inches
1	1/8		1-7/16	1/2	6	7/16		1-5/8	1/2
2	3/16		1-3/8	1/2	7	1/2		1-1/2	1/2
3	1/4		1-5/16	1/2	8	5/8		1-3/4	1/2
4	5/16		1-3/16	1/2	9	3/4		1-7/8	1/2
5	3/8		1-5/8	1/2					

Standard package 100 pieces per size Minimum Quantity.
Conforms To U.S.C.G. Fuel Standards.



LINE SUPPORT CLIPS—Figs. 163, 164 & 165

Aluminum — Synthetic Rubber Cushion



Fig. 163
Single



Fig. 164
Double



Fig. 165
Triple

BE SURE TO SPECIFY SIZE

No.	For O.D. Line Inches	FIG. 163 Per 100	FIG. 164 Per 100	FIG. 165 Per 100	Width Inches
1	3/16			•N.A.	3/8
2	1/4			•N.A.	3/8
3	5/16				1/2
4	3/8				1/2
5	1/2				1/2
6	5/8		• N.A.	• N.A.	1/2

*NOT AVAILABLE

Standard package 100 pieces per size Minimum Quantity.
Conforms to U.S.C.G. Electrical and Fuel Standards. See Page C-12



Fig. 472

BAYONET SOCKETS—Fig. 472

Phenolic — Single and Double Contact

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

Standard package 10 pieces.



Fig. 405

ELECTRIC SOCKET ADAPTERS—Fig. 405

For Converting Various Types of Sockets

No. Each

- 1—From Bayonet Dble. Contact to Med. Screw
- 2—From Med. Screw to Bayonet Dble. Contact
- 3—From Mogul to Medium Screw

Illustration is type No. 2.

Standard package 5 pieces.

4-WAY CONNECTOR FOR TRAILER LIGHTS—Fig. 739

CHROMIUM PLATED

Snap Cover on Receptacle, Locks Plug in and Keeps Moisture Out.
Fixed Polarity — Screw Terminals.

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

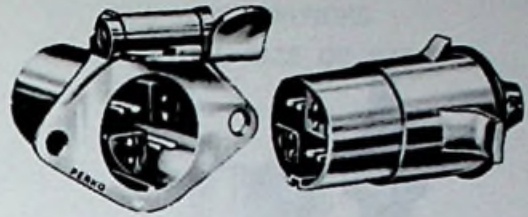


Fig. 739

4-PRONG CONNECTOR FOR TRAILER LIGHTS - Fig. 751

Plastic Body — Soft Plastic Caps — Screw Terminals
Fixed Polarity — All Brass

Each	Size Inches	Weight Ounces
	1 x 2 3/4	1



Fig. 751

Standard package 10 pieces.

MOLDED LINE CONNECTORS—Fig. 720

Waterproof Bodies — Color Coded Wires
Rated 15 Amps at 12 Volts

Polarized for proper mating of circuits. Conductors precision aligned and molded in S.A.E. Type P.V.C. insulation for minimum voltage drop and ease in making and breaking connections.

12 inch long wires on male and female sides.

Poles	Each	Width Inches	Weight Ounces
2		5/8	1/2
3		7/8	1
4		1-1/8	1-1/2

Standard package 5 pieces.

Conforms To U.S.C.G. Electrical Standards. See Page C-12

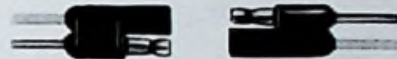


Fig. 720-2

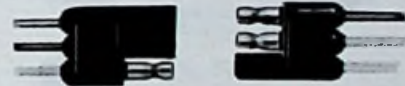


Fig. 720-3



Fig. 720-4—Shrouded

SKIN PACK, FIG. 720 SP, 2, 3 or 4 Poles.

One Connector Per Card.
Five Cards Per Box.
Weight Per Box, Average 9 Ounces.
Sold to trade in full box only.



Fig. 720 SP

DASHBOARD LAMP — Fig. 184

Brass — Chromium Plated — Double Contact Socket With Switch — For 6 C.P. Bulb

Bulb is not included.

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

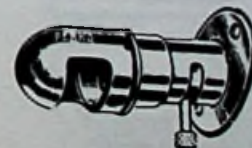


Fig. 184

Standard Package, 10 Pieces
Not Ignition Protected. See Page C-12

ALL ABOVE CONNECTORS ON THIS PAGE SUPPLIED COMPLETE ONLY, NO PARTS.



Fig. 1189



Fig. 1190



Fig. 1190-SP

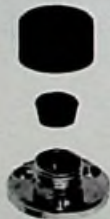


Fig. 424 -- All Brass
Fig. 1191 -- Die Cast

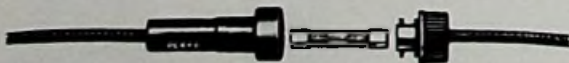


Fig. 786



Fig. 786-SP



Fig. 275

WATERTIGHT DECK CONNECTIONS—Fig. 1189

Brass with Black Plastic Covers — Double Contact — Chromium Plated — Rated 15 Amps at 12 Volts

The covers snap on or off for quick connection of portable equipment. The connector is brass, well insulated.

Each	Diameter Inches	Height Inches	Weight Ounces
	1-5/8	1-3/16	2

Standard Package, 10 Pieces

Spare Parts, See Fig. 1190

Not Ignition Protected. See Page C-12



WATERTIGHT DECK CONNECTION—Fig. 1190

Die Cast Zinc Alloy with Plastic Covers — Double Contact — Chromium Plated — Rated 15 Amps at 12 Volts

Same as above Fig. 1189 in every detail except metal flange is Die Cast Zinc Alloy.

Each

Standard Package, 10 Pieces

Spare Connectors for Figs. 1189 and 1190, Specify Fig. 42

Spare Covers for male plugs, Specify Fig. 1145

Spare Covers for female socket, Specify Fig. 1147

Standard Package, Spares, 5 Pieces

Not Ignition Protected. See Page C-12



SKIN PACK — FIG. 1190-SP

One Connection Per Card.

Five Cards Per Box.

Weight Per Box, 14 Ounces.

Sold to Trade in Full Box Only



WATERTIGHT CABLE OUTLETS—Figs. 424 & 1191

All Brass or Die Cast Zinc Alloy — Chromium Plated

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

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

Standard Package, 10 Pieces

Spare Rubber Grommets, Specify Fig. 1149



FUSED LINE CONNECTOR — Fig. 786

Molded Bakelite — With 20 AMP. Fuse and Wire Leads

For Standard Glass Fuses 1-1/4 Inches Long.

Each	Length Inches	Diameter Inches	Weight Ounces
	2-1/8	5/8	3/4

Standard Package, 10 Pieces

Conforms To U.S.C.G. Electrical Standards. See Page C-12



SKIN PACK— FIG. 786-SP

One Connector Per Card.

Ten Cards Per Box.

Weight Per Box, 3/4 Pound.

Sold to Trade in Full Box Only



HORN PUSH BUTTON — Fig. 275

Brass — Chromium Plated — Bakelite Button and Interior

10 Amps. at 12 Volts

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

Standard Package, 10 Pieces

Not Ignition Protected. See Page C-12

ELECTRIC LIGHTING LAMPS

BAYONET D.C. BASE – FIG. 337

Item No.	Mfr. Lamp No.	Volts	C.P.	Bulb Diam. Inches	Clear Each
4	82	6	6	3/8	
11	90	12	6	3/4	
12	1004	12	15	3/4	
13	1142	12	21	1	
14	1144	12	32	1 3/8	
18	624	32	9	3/4	
19	1228	32	15	1	
20	1692	32	21	1	
21	1054	32	32	1 3/8	
23	15T7	120	15W	7/8	

Standard Package, No. 4 to 21 Inc. 10 Pieces
No. 23, 6 Pieces



MINIATURE BAYONET BASE – FIG. 56

Item No.	Mfr. Lamp No.	Volts	C.P.	Bulb Diam. Inches	Clear Each
4	1416	12	8	13/32	
5	1815	14	1.4	7/16	
6	1495	32	9	9/16	

Standard Package, 10 Pieces

No. 4 Available in Skin Pack, See Skin Pack Section.



DOUBLE ENDED BASE – FIG. 70

Item No.	Mfr. Lamp No.	Volts	C.P.	Bulb Diam. Inches	Clear Each
0	212-2	12	6	9/16	
1	211-2	12	12	9/16	
2	10126	32	12	9/16	

Standard Package, 10 Pieces

No. 1 Available in Skin Pack, See Skin Pack Section.

NOTE: Perko Double Ended Lamps have Nickel Plated Brass Caps and will not rust in a marine environment.



MEDIUM SCREW BASE – FIG. 340

Item No.	Mfr. Lamp No.	Volts	Watts	Type	L.C.L. Inches	Clear Each	Frosted Each
5	15-A	12	15	A-17	2-3/8	* N.A.	
6	25-A	12	25	A-19	2-9/16	N.A.	
7	50-A21	12	50	A-21	3-7/16	N.A.	
11	15-A	32	15	A-17	2-3/8	N.A.	
12	25-A	32	25	A-19	2-9/16	N.A.	
13	50-A21	32	50	A-21	3-7/16	N.A.	
17	60A/CL	120	60	A-19	3-1/8	*N.A.	
19	100A/CL	120	100	A-19	3-1/8	N.A.	

Standard Package—No. 5 to 11 Inc. 6 Pieces
Nos. 12 to 19 Inc. 2 Pieces

* Not Available



MOGUL SCREW BASE – FIG. 532

Item No.	Mfr. Lamp No.	Volts	Watts	L.C.L. Inches	Clear Each
1	P25/28	120	50-50	3 1/2	
2	P25/29	120	100-100	3 1/2	

Standard Package, 1 Piece

NOTES

High Power Lamps For Searchlights And Sealed Beam Units, See Section E.

ELECTRIC LAMPS ARE NOT RETURNABLE. ORDER CAREFULLY.

ALL ILLUSTRATIONS
SHOW ACTUAL SIZE OF BASE



Fig. 337



Fig. 56



Fig. 70



Fig. 340



Fig. 532

U.S.C.G. ELECTRICAL STANDARDS

JANUARY 31, 1977 THE U.S.C.G. PUBLISHED SAFETY STANDARDS FOR MARINE ELECTRICAL SYSTEMS. THESE STANDARDS COVER SUCH TECHNICAL DETAILS AS:

CONDUCTOR SIZE AND AMPACITY

STRAIN RELIEF AND PULL TESTS

TERMINATION REQUIREMENTS

OVERCURRENT PROTECTION

IGNITION PROTECTION

BATTERIES AND ASSOCIATED CONDUCTORS

GROUNDING

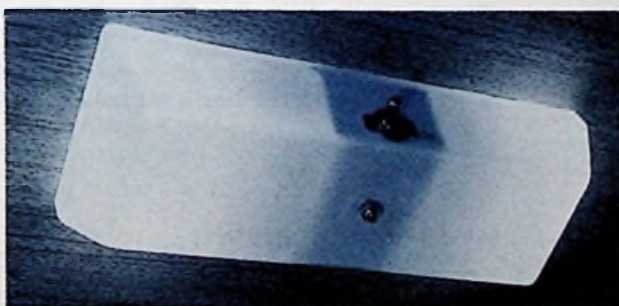
INSULATION

A particular electrical component may be affected by some or all of the above categories. Those categories related to product design have been complied with, however, many additional details must be considered by the installer of the equipment as well in order to achieve compliance with this standard. It is suggested that the actual standard be familiarized when installing equipment. Perhaps one of the most critical requirements is ignition protection. A product that is marked "Ignition Protected" can be used in that area of a boat that is not isolated from a gasoline fuel vapor source. Refer to the actual standard for a determination of what parts of a boat require Ignition Protected products. If a product is not plainly marked "Ignition Protected" then assume it is not.

FOR DETAILS ON ALL OF THE ABOVE, OBTAIN THE FOLLOWING:
U.S.C.G. SAFETY STANDARDS FOR ELECTRICAL SYSTEMS
CFR TITLE 33, CHAPTER 1, SUBCHAPTER S, PART 183, SUBPART I.

PERKO®

Lighting Fixtures



MANUFACTURED BY PERKO, INC. 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164

FOR COMPLETE LINE SEE CATALOG NO. 235

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LIGHTING FIXTURES LOW VOLTAGE – 6 TO 32 INC.



Fig. 217



Fig. 1295

BULKHEAD FIXTURES – Figs. 217 & 1295

Die Cast Zinc Alloy – Chromium Plated

Medium Screw Socket – Turn Switch

Fig. 1295 Has Power Take-Off Receptacle.

Fig.	Chromium Plated Each	Size Base Inches	Projection Less Lamp Inches	Weight Ounces
217		2-1/2x1-3/4	2-5/8	10
1295		2-1/2x1-3/4	2-5/8	10

Lamp Not Included.

Spare Sockets with Knob, Specify Fig. 223

Spare Power Take-Off Receptacle, Specify Fig. 225.



Fig. 217-SP

SKIN PACK – Fig. 217-SP

One Fixture Per Card

Six Cards Per Box

Weight Per Box, 3 1/2 Pounds

Sold To Trade In Full Box Only.



Fig. 450

BULKHEAD FIXTURE – Fig. 450

Cast Bronze

Medium Screw Socket – Turn Switch

Polished Bronze Each	Chromium Plated Each	Size Base Inches	Projection Less Lamp Inches	Weight Ounces
		2-1/2x2-1/4	2-1/2	8

Spare Socket with Knob, Specify Fig. 223.



For Hanging Bulb
Fig. 27



For Upright Bulb
Fig. 28

MARINE SHIELDS FOR FIXTURES – Figs. 27 & 28

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

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

Painted Each	Plain Each	Width Inches	Height Inches	Weight Ounces
		4-1/2	4-5/8	1

Standard Package, 10 Pieces



Fig. 33



Fig. 34



Fig. 36

SHIELD DESIGNS – Figs. 33, 34, & 36

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

Painted Each	Width Inches	Height Inches	Weight Ounces
	4-1/2	4-5/8	1

Standard Package, 10 Pieces

SKIN PACK – Figs. 33,34 or 36-SP

One Shield Per Card

Six Cards Per Box

Weight Per Box, 2 Pounds

Sold To Trade In Full Box Only.

LIGHTING FIXTURES

FOR CABIN, STATEROOM OR BERTH – ADJUSTABLE ANGLE SHADE

LOW VOLTAGE 6 TO 32 INC.

MOLDED PLASTIC – PUSH TYPE SWITCH

No.	Dimensions Wall Plate Inches	Normal Projection Inches	Length Shade Inches	Weight Ounces
1	4-1/2 x 3-1/4	4-3/8	3	3
2	4-1/2 x 3-1/4	5	4-1/2	5



Fig. 1303 BK – Black
Fig. 1303 BR – Royal Bronze
Fig. 1303 GD – Gold
Fig. 1303 WH – White

Size No. 1 has Bayonet Double Contact Socket.
Will accommodate bulbs up to 32 C.P.

Size No. 2 has Medium Screw Socket.
Will accommodate bulbs up to 40 watts.

Fig. 1303 Single Fixture has one shade same color as wall plate.

Each
Specify Size and Color



Fig. 1304 BK – Black
Fig. 1304 BR – Royal Bronze
Fig. 1304 GD – Gold
Fig. 1304 WH – White

Fig. 1304 Double Fixture has two shades and two switches. Shades same color as wall plate.

Each
Specify Size and Color

Fig. 1350 Single Fixture has white translucent shade and white wall plate.

Each
Specify Size



Fig. 1350

Spare Switches For Above, See Fig. 703.

Spare D.C. Sockets For No.1, Specify Fig. 276 No. 0

Spare Medium Screw Sockets For No.2, Specify Fig. 1323



BULKHEAD OR CEILING FIXTURE – Fig. 1212

Die Cast Zinc Alloy – Chromium Plated – White Plastic Globe

Two D.C. Bayonet Sockets – Turn Switch

This fixture designed for arrangement in Modular Form.

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

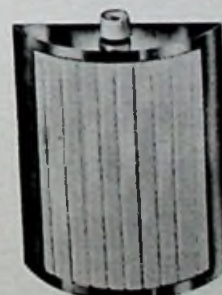


Fig. 1212

Spare Sockets, See Fig. 24 No. 1

Spare Switches, Specify Fig. 1212-99A

Spare White Plastic Globe, Specify Fig. 1212-99B



Fig. 308

FLUSH TYPE DOME LIGHT – Fig. 308
 Die Cast Zinc Alloy – Chromium Plated
 Double Contact Socket – Push Switch

No.	Chromium Plated Each	Diameter Globe Inches	Diameter Overall Inches	Depth Above Flange Inches	Depth Below Flange Inches	Weight Ounces
0		3	3-3/4	5/8	3/4	5
1		4	4-1/2	3/4	1-1/4	7
2		5	5-1/2	3/4	1-1/2	9

Spare Globes, Specify Fig. 308-99A and Size
 Spare Switches, See Fig. 703
 Spare Sockets, See Fig. 24 No. 1



Fig. 300

DOME LIGHT – Fig. 300
 Die Cast Zinc Alloy – Chromium Plated
 Double Contact Socket – Push Switch

No.	Chromium Plated Each	Diameter Globe Inches	Diameter Overall Inches	Depth Overall Inches	Weight Ounces
0		3	3-3/4	1-1/2	7
1		4	5-3/8	1-7/8	9
2		5	6-1/2	2	11

Spare Globes, Specify Fig. 257 and Size
 Spare Switches, See Fig. 703
 Spare Sockets, See Fig. 24, No. 1



Fig. 300-SP



SKIN PACK – Fig. 300-SP
 Size No. 1 Only

One Light Per Card
 Three Cards Per Box

Weight Per Box, 2½ pounds Sold To Trade In Full Box Only



Fig. 555

DOME LIGHT – Fig. 555
 Cast Bronze – Chromium Plated – Toggle Switch –
 Medium Screw Socket.

Will accommodate a 15-watt bulb. Fig. 340.

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

Spare Globe, Specify Fig. 257, 6 Inch
 Spare Socket, Specify Fig. 346, No. 1

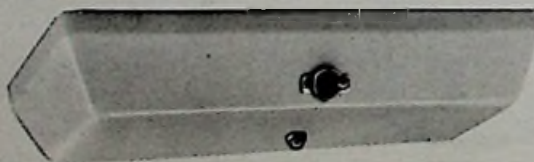


Fig. 318

DOME LIGHT – Fig. 318
 White Translucent Plastic Globe – 18-8 Stainless Steel Base –
 Brass Sockets – 3 Position Toggle Switch.

Now supplied for ship and shore current. Complete with 2, 12 volt and 2, 110 volt bulbs. All Double contact bayonet type, controlled by a 3 position switch for dual voltage.

Each	Length Inches	Width Inches	Depth Inches	Weight Ounces
	9-3/4	3-3/4	1-7/8	14

Spare Switches, Specify Fig. 318-99A
 Spare Globes, Specify Fig. 318-99B
 Spare Sockets, See Fig. 276 No. 0
 Spare Bulbs, See Fig. 337 Nos. 12 and 23

DOME LIGHT -- Fig. 753

Low Voltage -- 6 to 32 Inc.

Wrought Brass -- Toggle Switch

Nickel Plated Reflector -- Medium Screw Socket

Will accommodate bulbs up to 50 watts.

No. 1 has one socket and switch.

No. 2 has two sockets and switches.

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

Spare Toggle Switch, Specify, Fig. 745

Spare Frosted Glass, Specify Fig. 132

Spare Socket, Specify Fig. 1323



Fig. 753

WATERTIGHT DOME LIGHT -- Fig. 1266

Cast Bronze -- Double Contact Socket -- Diffusing Globe

For small boats. Will accommodate up to a 21 C.P. bulb. With stainless steel reflector, toggle switch and one packing gland for cable.

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

Spare Toggle Switch, Specify, Fig. 745

Spare Sockets, Specify Fig. 24 No. 1

Spare Globes, Specify Fig. 1266, 99A

With extra packing glands installed, price on application



Fig. 1266

ADJUSTABLE UTILITY FIXTURE -- Fig. 1254

Zinc Alloy Die Casting -- Chromium Plated -- Bayonet D.C. Socket -- Complete With 12 Volt 6 C.P. Bulb -- Shield Swivels To Any Desired Position

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

Each	Diameter Overall Inches	Length Neck Inches	O.D. Neck Inches	Weight Ounces
	2-5/8	3/4	7/8	6

Spare Socket, Specify Fig. 24 No. 1



UTILITY LIGHT--Fig. 140

White Nylon -- With 12 Volt Lamp

For instruments, charts or general fair illumination.

Each	Size Inches	Weight Ounces	Standard Package
	1-3/8 x 5/8	1/4	10



Fig. 1254

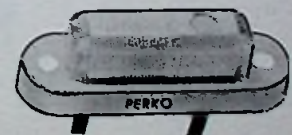


Fig. 140

SKIN PACK -- Fig. 140-SP

One Light Per Card

Ten Cards Per Box

Weight Per Box, 2% Ounces

Sold To Trade In Full Box Only



Fig. 140-SP

ANTIQUE DESIGN SHIPS LANTERNS

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

Old sailing vessels used Fig. 44 for cabin illumination and signaling.

The bulkhead lantern Fig. 1045 was used for illumination in cabins, passageways, decks, etc.

These lanterns are hand made of non-corrosive material by the Country's oldest and leading manufacturer of marine navigation lights. They are authentic marine lanterns, not imitations. They are offered primarily for decorative purposes. They are not wired and are not intended to conform with any specific electrical code or standard. This also applies to the lanterns on Page D-7.



Fig. 44

OIL SIGNAL LIGHT—Fig. 44

Polished Brass — With Clear Globe

No.	Diam. Globe Inches	Height Overall Inches	Weight Pounds
1	6	11-1/2	2
2	8	14-1/2	4
3	10	18	7-1/2

Available with Frosted Globe, Specify Fig. 44-F and size.

With Medium Screw Electric Adapter, Specify Fig. 44-B and Type of Globe.

SPARE PARTS

No.	Burners	Oil Founts	Electric Adapters
1	Fig. 246	Fig. 287	Fig. 274
2	Fig. 246	Fig. 286	Fig. 292
3	Fig. 242	Fig. 282-1	Fig. 288-1

Spare Globes, Specify Fig. 264, Frosted or Clear and Size
10 Inch Size supplied with Fig. 267 Chimney



Fig. 1045

BULKHEAD LANTERN—Fig. 1045

With Medium Screw Electric Socket — Not Wired
Polished Brass — With Mounting Bracket

Illumination thru translucent "Solar Bronze" glass enclosure on front and two sides. A beautiful lantern with a design history to the 15th century.

No.	Each	Width Inches	Height Less Handle Inches	Depth Less Bracket Inches	Weight Pounds
2		10	17	7 3/4	5

Spare Front Glasses, Specify Fig. 1045-99A

Spare Side Glasses, Specify Fig. 1045-99B

Spare Sockets, See Fig. 346 No. 1

Spare Mounting Bracket, See Fig. 131 Brass



Fig. 49

NAVY OR LIFE BOAT LANTERN—Fig. 49

Oil Burning — Hinged Top — Clear Globe

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

Spare Globes, Specify Fig. 262

Electric Adapter, See Fig. 292, Section A

ELECTRIC SIGNAL LIGHTS – Fig. 1032-F

All Brass – Medium Screw Electric Socket –
Canopy and Chain With White Frosted Globe –
Supplied with 12 inches of chain, with globe in bottom
for illumination of deck.

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

Spare Frosted Globes, Specify Fig. 264, and Size
Spare Bottom Globes, Specify Fig. 257 and Size
Spare Medium Screw Socket, Specify Fig. 372.



Fig. 1032-F

ELECTRIC ANCHOR LIGHTS – Fig. 1024

With Ceiling Canopy
All Brass – Medium Screw Electric Socket –
With Globe in bottom for illumination of deck
Clear Fresnel Lens

Length of Chain, 12 inches

Sizes No. 1 and 2 Have Vertical Guards Only

Sizes No. 3 and 4 Have Vertical and Horizontal Guards

No.	Polished Brass Each	Height Lamp Only Inches	Diam. Lamp Inches	Height Lens Inches	Fig. 261 Lens Sizes	Approx. Weight Pounds
1		8-5/8	4-1/2	3-5/16	Jr.	2
2		11-3/4	5-5/8	4-1/4	Sr.	2-1/2
3		14-1/2	7-1/2	6-3/4	No. 1	10
4		17-3/4	9-3/4	7-1/8	No. 2	14

With Frosted Lens, Specify Fig. 1024-F and Size
Spare Lenses, See above
Spare Bottom Globes, Specify Fig. 257 and Size.
Spare Medium Screw Sockets, Specify Fig. 372



Fig. 1024

ELECTRIC ANCHOR LIGHTS – Fig. 1025

With Wall Bracket
Construction and Other Specifications Same as Fig. 1024

No.	Polished Brass Each	Height Lamp Only Inches	Diam. Lamp Inches	Height Lens Inches	Fig. 261 Lens Sizes	Approx. Weight Pounds
1		8-5/8	4-1/2	3-5/16	JR.	2
2		11-3/4	5-5/8	4-1/4	SR.	2-1/2

With Frosted Lens, Specify Fig. 1025-F and Size
Spare Lenses, See Above
Spare Bottom Globes, Specify Fig. 257 and Size.
Spare Medium Screw Sockets, Specify Fig. 372



Fig. 1025



Fig. 312

UNIVERSAL WALL OIL LAMP – Fig. 312

Brass

Polished Brass Each	Height of Back Inches	Diam. of Fount Inches	Weight Pounds
	9	5	1-1/2

Spare Burners, Specify Fig. 173
 Spare Chimneys, Specify Fig. 94
 Spare Wicks, See Fig. 302 No. 2



Fig. 168

JUNIOR CABIN OIL LAMP – Fig. 168

Double Swing – Weighted Base – All Brass

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

Polished Brass Each	Chromium Plated Each	Overall Height Inches	Extension Inches	Capacity Fount Pints	Weight Ounces
		9	5	1/2	19

Spare Burners, Specify Fig. 231 and Finish
 Spare Chimneys, Specify Fig. 230
 Spare Wicks, See Fig. 302 No. 0



Fig. 141

NEWPORT CABIN OIL LAMP – Fig. 141

Double Swing – Weighted Base – All Brass

This lamp is of very sturdy construction, and minimum practical extension from wall. Diameter of wall plate 2-1/2 inches.

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

	For No.1 Specify	For No.2 See
*Spare Burners	231	242
Spare Chimneys	230	267
Spare Wicks	302 No.0	302 No.2

*Specify Finish



Fig. 128

SMOKE BELL AND ARM – Fig. 128

All Brass

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

No. 0 size is for lamp Fig. 168.

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

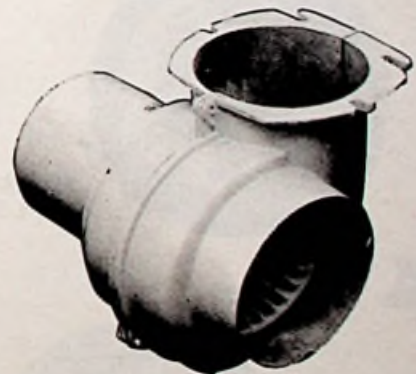
Spare Arms, Specify Fig. 128-99A, Size and Finish.

PERKO®

BLOWERS

VENTILATORS

VENTS



MANUFACTURED BY PERKO, INC. 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164

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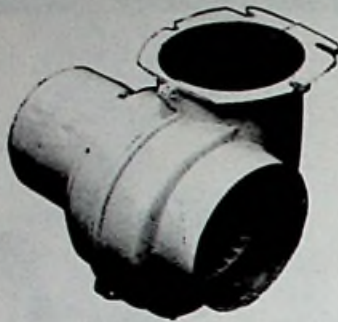


Fig. 778

MARINE EXHAUST BLOWERS—Fig. 778—12 VOLTS

Designed to meet the requirements of U.S.C.G. Safety Standards—Ignition protected

Heavy Duty Motor with 18 - 8 Non-Magnetic Stainless Steel Shaft - White Delrin Impeller

TESTED AND ACCEPTED FOR LABELING AND LISTING BY THE UNDERWRITERS LABORATORIES, INC.

For removing 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.

Size No. 1 — Die Cast Housing, Satin Chromium Finish. Hose clamps are no longer necessary as the 3" duct is threaded into the inlet with a couple of turns. Saves time of installation and cost of clamps.

Size No. 2 — Cast Aluminum Housing, Natural Finish.

No.	Size Intake Inches	Size Outlet Inches	Dimensions Overall Inches	Rated C.F.M.	Size Flange Inches
1	3	3	6-1/2 x 6 x 5	117	4 x 3 1/2
2	4	3-3/4	8 x 8 x 7	230	4 3/4 x 4 3/8

No.	Each	Weight Pounds
1		3
2		6

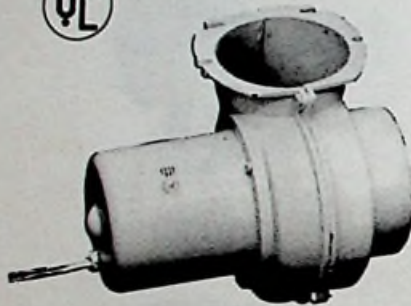


Fig. 791

MARINE EXHAUST BLOWERS—Fig. 791—12 VOLTS

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

No.	Size Intake Inches	Size Outlet Inches	Dimensions Overall Inches	Rated C.F.M.	Flange Inches
1	3	3	7-1/2 x 6 x 5	117	4 x 3-1/2
2	4	3-3/4	8-1/2 x 8 x 7	230	4-3/4 x 4-3/8

No.	Each	Weight Pounds
1		3 1/2
2		6 1/2

SPARE PARTS

Motors for Fig. 778 and 791, Specify Fig. 822 and Size.

Impellers for Figs. 778 and 791, Specify Fig. 824 and Size.



Fig. 193 No. 1
NON-LOCKING



Fig. 193 No. 2
LOCK FEATURE



BLOWER AND IGNITION SWITCHES—Fig. 193

RED PLASTIC HOUSING — IGNITION PROTECTED — MAKE BEFORE BREAK FEATURE — SURFACE MOUNT
Patent Pending

Capacity: 6 through 32 Volts
250 AMPS Continuous
360 AMPS Intermittent



No. 1 — Without Lock Feature

No. 2 — With Lock Feature

TESTED AND ACCEPTED FOR LABELING AND LISTING BY THE UNDERWRITERS LABORATORIES, INC.

With this new switch 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 which helps to clear out any remaining fumes, before and after engine operations.

No.	Each	Diameter Inches	Depth Inches	Weight Pounds
1		5 1/4	2 5/8	1
2		5 1/4	2 5/8	1

EXHAUST DUCT – Fig. 789

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

Supplied only in 25 foot lengths, 2 lengths per carton. Shipped only in full cartons.

No.	Inside Diameter Inches	Per Length	Weight Per Carton Pounds
2	3		12
3	3-1/2		12
4	4		13



Fig. 789

★

MOUNTING ADAPTERS FOR EXHAUST DUCT – Fig. 787

Die Cast Zinc Alloy – Satin Chromium Finish

For Blower size No. 1 only.

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



Fig. 787

Each	Dimensions Inches	Weight Ounces
	3-3/4 x 3-1/2 x 1-5/8	14

★

COWL VENTILATORS – Fig. 510

Fixed or Swivel Cowl

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

Steel ventilators are finished in White Acry-Color outside and inside. Polished brass and chromium plated ventilators are finished in White Acry-Color on the inside only.

Has internal thumb screw to permit turning cowl to desired direction quickly and lock in position.

Deck Plate Size Inches	White Each	Polished Brass Each	Chromium Plated Each	Diam. Mouth Inches	Height Overall Inches	Weight Pounds
4				8	11	4
5				10	13	6
6				12	16	9
8				16	21	15-1/2



Fig. 510



Spare Deck Plates, See Fig. 526

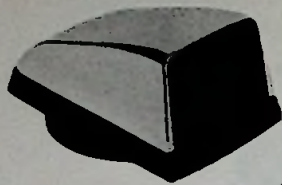


Fig. 1312
Chrome Plated Cowl

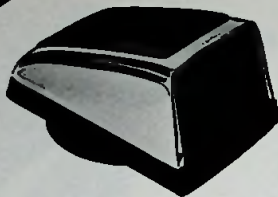


Fig. 1412 Black Insert In Cowl



Fig. 1312-SP



Fig. 654 Bronze
Fig. 870 Die Cast



Fig. 315



Fig. 315-SP



Fig. 339



Fig. 339-SP

"CHROMALEX" COWL VENTILATORS – Figs. 1312 & 1412

Die Cast Zinc Alloy – Chromium Plated

Black Plastic Base – For 3 Inch Duct

Designed for fast mounting.

No Screw Heads will show. Has integral Air Scoop.

No Hose Clamps Necessary – Duct threads into collar.

Each	Mouth Opening Square Inches	Length Overall Inches	Width Overall Inches	Height Overall Inches	O.E.M. Package	Weight Ounces
	7	5-3/4	4-3/8	2-5/8	50	11

See Section "M" for Our "Chromalex"® III Cowl Ventilator

SKIN PACK – Fig. 1312-SP

One Ventilator Per Card.

Four Cards Per Box.

Weight Per Box, 3 Pounds.

Sold To Trade In Full Box Only.

See Section "L" for Our "Chromalex"®

Skin Pack Cowl Ventilator

FLANGED VENTILATOR WITH COLLAR – Figs. 654 & 870

Fig. 654, Cowl is Cast Bronze, Flange and Collar are Die Cast Zinc Alloy. Fig. 870 is all Die Cast Zinc Alloy.

CHROMIUM PLATED

Duct Threads into Size 2 Collar. No clamps necessary.

No.	Fig. 654 Each	Fig. 870 Each	I. D. Duct Inches	Mouth Square Inches	Length Overall Inches	Width Overall Inches	Nominal Weight Ounces
2			3	7	5-1/4	4	25

MIDGET CLAM SHELL VENTILATOR – Fig. 315

Brass – Chromium Plated

No.	Each	Base Dimensions Inches	Height Opening Inches	Thickness Inches	For Screw No.	Weight Ounces
1		1-5/8x1-1/2	7/16	.040	4	1/2
2		2x2	9/16	.064	6	1-1/4

Standard Package, 10 Pieces

SKIN PACK – Fig. 315-SP

No. 2 Size

One Ventilator Per Card,

Twelve Cards Per Box,

Weight Per Box, 1½ Pounds.

Sold To Trade In Full Box Only

CLAM SHELL VENTILATOR – Fig. 339

Brass – Chromium Plated

Each	Width Opening Inches	Height Opening Inches	Base Dimensions Inches	For Screw No.	Weight Ounces
	2-1/2	1-5/8	4 x 3-3/4	6	5

Standard Package, 5 Pieces

SKIN PACK – Fig. 339-SP

One Ventilator Per Card,

Six Cards Per Box,

Weight Per Box, 4 Pounds.

Sold To Trade In Full Box Only.

GAS TANK VENT—Fig. 505

**Pressure Cast Bronze — Chromium Plated
With Removable Brass Wire Mesh Flame Arrester.**

Designed to meet the requirements of the National Fire Protection Assn. Booklet No. 302 Section No. 323 on vent pipe outlets.

The Flame Arrester is 30 x 30 mesh. The 1/2" I.P.T. is off center to create a water baffle.

Each	Diameter Flange Inches	O.D. Neck Inches	Length Neck Inches	Weight Ounces
	2-1/2	1-3/16	1-1/2	6-1/2

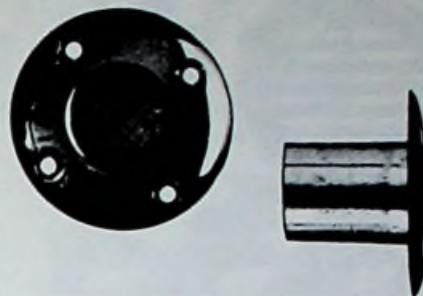


Fig. 505

★
GAS TANK VENT—Fig. 506

**Die Cast Zinc Alloy — Chromium Plated —
With Removable Monel Wire 30 Mesh Screening**

Fig.	Size No.	Each	Hose Size Inches	Max. Wood Thickness Inches	Weight Ounces
506	4		5/8	3/4	2



Fig. 506

Standard Package, 10 Pieces.

Spare Nuts for Fig. 506, Specify Fig. 506-99A.

★
GAS TANK VENT—Fig. 509

**Pressure Cast Bronze — Chromium Plated —
With Removable Monel Wire 30 Mesh Screening**

Fig.	Size No.	Each	Hose Size Inches	Max. Wood Thickness Inches	Weight Ounces
509	4		5/8	3/4	4
509	5		3/4	3/4	6



Fig. 509

Standard Package, 10 Pieces.

Spare Nuts for Fig. 509, Specify Fig. 509-99A and Size.

★
GAS TANK VENTS—Fig. 503

**Pressure Cast Bronze — Chromium Plated —
With Removable Monel Wire 30 Mesh Screening**

No.	Each	Neck Pipe Size Inches	Elbow Pipe Size Inches	Max. Wood Thickness Inches	Weight Ounces
3		3/8	3/8x3/8	1	5-1/2
4		1/2	1/2x1/2	1	6



Fig. 503

Standard Package, 5 Pieces.

★
GAS TANK VENTS—Fig. 515

**Pressure Cast Bronze — Chromium Plated —
With Removable Monel Wire 30 Mesh Screening**

No.	Each	Pipe Size Inches	Max. Wood Thickness Inches	Weight Ounces
3		3/8	7/8	3-3/4
4		1/2	7/8	5-1/4



Fig. 515

Standard Package, 10 Pieces.

Spare Nuts, See Fig. 75.

All above vents are designed to meet the requirements of
USCG Safety Standards January 31, 1977
for gasoline fuel systems.



Fig. 330

LOCKER VENTILATORS – Fig. 330

18-8 Stainless Steel – Polished

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

Standard Package, 10 Pieces



Fig. 330-SP

SKIN PACK – Fig. 330-SP

No. 2 Size

One Ventilator Per Card,
Twelve Cards Per Box,
Weight Per Box, 1½ Pounds.

Sold To Trade In Full Box Only.



Fig. 550

TRANSOM OR LOCKER VENTILATOR – Fig. 550

18-8 Stainless Steel – Polished

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

Standard Package, 10 Pieces

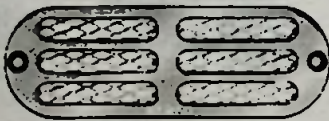


Fig. 1271

TRANSOM OR LOCKER VENTILATOR – Fig. 1271

**Die Cast Zinc Alloy – Chromium Plated
With Grill Type Screen**

Each	Dimensions Inches	For Screw No.	Weight Ounces
	6 x 2	8	3

Standard Package, 10 Pieces



Fig. 1238

TRANSOM OR LOCKER VENTILATOR – Fig. 1238

**Die Cast Zinc Alloy – Chromium Plated –
With Grill Type Screen**

Each	Dimensions Inches	For Screw No.	Weight Ounces
	8-3/8 x 2-1/4	8	3

Standard Package, 10 Pieces

LOUVER VENTILATORS—Fig. 334

Stainless Steel 18-8 Alloy No. 304
Polished

No.	Each	Size Inches	Length Louvers Inches	Weight Ounces
2		3 x 2-1/2	2	1
2-A		4 x 2-1/2	3	1-1/2
4		5-1/2 x 2-1/2	2	2
4-A		7-1/2 x 2-1/2	3	2-1/2
6		8 x 2-1/2	2	3
6-A		11 x 2-1/2	3	4

Standard Package, 10 Pieces per size



#2



#4

Fig. 334



#6



LOUVER VENTILATORS—Fig. 335

Stainless Steel 18-8 Alloy No. 304
Polished

No.	Each	Size Inches	Length Louvers Inches	Weight Ounces
3		3 x 3	2	1-1/2
3-A		4 x 3-1/2	3	2
6		5-1/2 x 3	2	2-1/2
6-A		7-1/2 x 3-1/2	3	3-1/4
9		8 x 3	2	3-1/2
9-A		11 x 3-1/2	3	4

Standard Package, 10 Pieces Per size

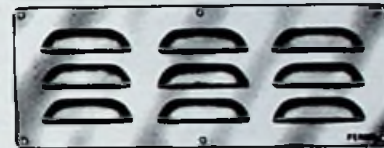


#3



#6

Fig. 335



#9



LOUVER VENTILATORS—Fig. 336

Stainless Steel 18-8 Alloy No. 304
Polished

No.	Each	Size Inches	Length Louvers Inches	Weight Ounces
4		3-3/4 x 3	2	1-3/4
4-A		4-3/8 x 4	3	2
5		4-1/2 x 3	2	2
5-A		5-3/8 x 4	3	2-1/4
6		5-1/4 x 3	2	2-1/2
6-A		6-3/8 x 4	3	3

Standard Package, 10 Pieces Per size

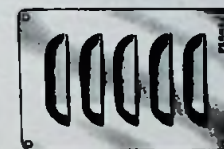


#4



#6

Fig. 336



#5



OUTBOARD GAS TANK CLAMPS—Fig. 1275

Die Cast Zinc Alloy

Made to fit most gas tanks now in use. By turning the top portion 180 degrees it will fit tanks with the seam folded either vertically or horizontally.

Each	Length Inches	Width Inches	Weight Ounces
	1-1/2	1	2

Standard Package, 10 Pieces



Fig. 1275

MEMORANDUM

TO : [Illegible]

FROM : [Illegible]

SUBJECT : [Illegible]

[Illegible text]

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PERKO®

**windows and
portlights**

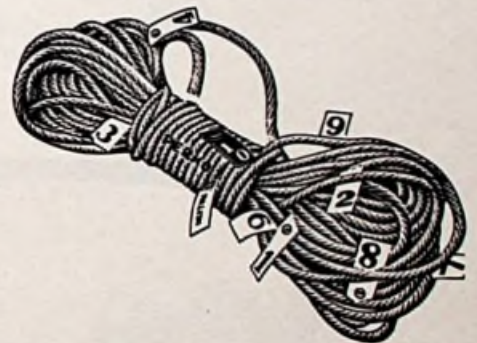
sinks

lead lines

bells

fog horns

etc.



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MARINE WINDOWS WITH SPIGOT – Fig. 796

Cast Bronze or Aluminum – Plain Finish
Watertight – Two Fastenings – Clear Glass

Screen and Finishing Frame Not Included
See Figs. 812, 813 and 814.

Length of spigot is 2 inches. Glass thickness is 1/4 inch.



Fig. 796

No.	Size of Opening Inches	Plain Bronze Each	Plain Aluminum Each		
1	5x12				
2	7x16				
	Dimensions Outside of Frame Inches	Dimensions Outside of Spigot Inches	Bronze Weight Pounds	Alum. Weight Pounds	
1	7 $\frac{7}{8}$ x 14 $\frac{7}{8}$	5 $\frac{3}{8}$ x 12-7/16	13	5	
2	10 $\frac{1}{8}$ x 19 $\frac{1}{4}$	7 $\frac{1}{2}$ x 16 $\frac{1}{2}$	21	7 $\frac{1}{2}$	

Spare Wing Nuts for Bronze Windows, See Fig. 453 No. 4.

Spare Wing Nuts for Aluminum Windows, Specify Fig. 796-99A



MARINE WINDOWS WITHOUT SPIGOT – Fig. 803

Cast Bronze or Aluminum – Plain Finish
Watertight – Two Fastenings – Clear Glass

Screen and Finishing Frame Not Included
See Figs. 812, 813 and 814

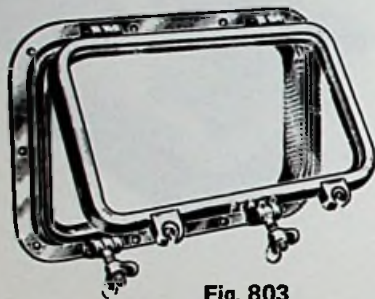


Fig. 803

No.	Size of Opening Inches	Plain Bronze Each	Plain Aluminum Each	Bronze Weight Pounds	Alum. Weight Pounds
1	5 x 12			10 $\frac{1}{2}$	4 $\frac{1}{4}$
2	7 x 16			16	6 $\frac{1}{2}$

For Frame Dimensions, See Fig. 796

Spare Wing Nuts for Bronze Windows, See Fig. 453 No. 4.

Spare Wing Nuts for Aluminum Windows, Specify Fig. 803-99A



OUTSIDE FINISHING FRAMES – Fig. 812

Cast Bronze or Aluminum – Plain Finish

For Figs. 796 or 803

Countersunk Screw Holes Placed as Illustrated. Not in Line With Mounting Holes of Window Frame.

These Fit Over the Outside of the Spigot on Fig. 796.



Fig. 812

No.	Bronze Each	Aluminum Each	Inside Dimensions Inches	Outside Dimensions Inches	Bronze Weight Pounds	Alum. Weight Pounds
1			5 $\frac{1}{2}$ x 12 $\frac{1}{2}$	7 $\frac{1}{4}$ x 14 $\frac{1}{4}$	1 $\frac{1}{2}$	$\frac{1}{2}$
2			7 $\frac{1}{2}$ x 16 $\frac{1}{2}$	9 $\frac{1}{4}$ x 18 $\frac{1}{4}$	2 $\frac{1}{4}$	$\frac{5}{8}$



OUTSIDE BOLT-THRU FRAMES – Fig. 813

Cast Bronze or Aluminum – Plain Finish.

For Figs. 796 or 803

Bolt Holes in Line With Mounting Holes of Window Frame.

These Fit Over the Outside of the Spigot on Fig. 796.



Fig. 813

No.	Bronze Each	Aluminum Each	Inside Dimensions Inches	Outside Dimensions Inches	Bronze Weight Pounds	Alum. Weight Pounds
1			5 $\frac{1}{2}$ x 12 $\frac{1}{2}$	7 $\frac{3}{4}$ x 14 $\frac{3}{4}$	2 $\frac{3}{8}$	$\frac{3}{4}$
2			7 $\frac{1}{2}$ x 16 $\frac{1}{2}$	10 $\frac{1}{8}$ x 19 $\frac{1}{8}$	3 $\frac{1}{2}$	1

ROUND PORTLIGHTS—Fig. 317

Cast Bronze — Glass Area Is Same Diameter As Opening

Diam. Opening Inches	Plain Bronze Each	Diam. Clear Glass Inches	Outside Diam. Frame Inches	Thickness Glass Inches	O.D. Spigot Inches	Weight Pounds
4		4	7	1/4	4-3/8	3-3/4
5		5	8	1/4	5-7/16	5
6		6	9	1/4	6-3/8	6-1/2
*8		8	11-5/8	1/4	8-1/2	10-1/4

*8" size has two dog bolts.

Length of Spigot for All Sizes is 3/8"



Fig. 317

★

MORE-AIR PORTLIGHTS—Fig. 157

Cast Bronze — Complete With Outside Finishing Ring — Glass Area Is Same Diameter As Opening — All Sizes Are Grooved For Screens

Overall Length of Spigot without Flange is 1 1/4"
Length of Spigot Between Flange and Ring is 1 1/2"

Opening Inches	Plain Bronze Each	Outside Diameter Frame Inches	Thickness Glass Inches	O.D. Spigot Inches	Weight Pounds
4		7	1/4	4-3/8	4-3/4
5		8	1/4	5-7/16	7-1/4
6		9	1/4	6-3/8	8-1/2
8		11-5/8	1/4	8-1/2	12-3/4

Spare Finishing Rings, Specify Fig. 157-99A.

Spare Wing Nuts for Figs. 157 and 317 4", 5", 6", See Fig. 453 No. 4, 8" See Fig. 453 No. 5.

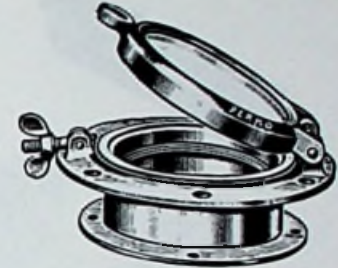


Fig. 157

★

DECK LIGHTS—Fig. 838

Cast Bronze — Plain or Chrome Finish — Clear Glass

Diameter Glass Inches	Plain Bronze Each	Chrome Plated Each	Thickness Glass Inches	O.D. Spigot Inches	Outside Diam. Frame Inches	Length Spigot Inches	Weight Pounds
4			1/4	4-7/8	6	11/16	1-3/4
5			1/4	5-7/16	7-1/2	5/8	2
6			1/4	6-7/8	8-1/4	5/8	2-3/4
*8			1/4	9-1/16	11	1-3/16	5-1/4

*8 inch size has Tempered Glass.

Now Available in Polished Chrome Finish



Fig. 838



★

ROUND PORTLIGHT SCREENS—Fig. 442

Brass — White Acry-Color Finish — Spring Type

For Figs. 157 & 317 Portlights

For Size Opening Inches	Each	For Size Opening Inches	Each
4		6	
5		8	



Fig. 442

★

SCREENS FOR MARINE WINDOWS — Fig. 814

For Figs. 796 & 803

Brass — White Acry-Color Finish

No.	Each	Dimensions Inches	Weight Ounces
1		5 x 12	5
2		7 x 16	7



Fig. 814

Fig. 441



PORTLIGHT CHAINS—Fig. 441

Stainless Steel Chain — Chromium Plated Brass Fittings.

Each	Length Inches	Length Strap Inches	Weight Ounces
	7	1 7/8	2

Standard Package, 5 Pieces.



RUBBER FOR PORTLIGHTS AND WINDOWS—Fig. 461



Fig. 461

Size	Per Length
1/4" x 3/8" x 1/2"	

Supplied only in 10 foot lengths.



"NEPTUNE" MARKED LEAD LINES—Fig. 190

Vinylite Plastic Markers — 5/16 Inch Dacron Line

Instead of the old cryptic markings, this line makes use of colored plastic markers printed with numerals in contrasting colors. These markers are soft and resilient, unaffected by salt, grease, oil and sunlight. The Neptune Line was widely used by the Navy, Army and U.S. Maritime Commission. It is also used by skin divers with a float to mark the depth of a dive.

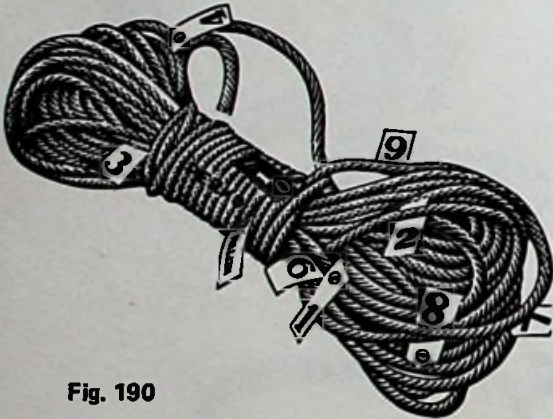


Fig. 190

Length Fathoms	Each	Length Fathoms	Each
7		20	
10		25	
15		30	

NOTE: 7 and 10 fathom lines are marked every fathom and half fathom, the latter indicated by a yellow strip. Longer lines marked according to Navy standard . . . i.e. 2 - 3 - 5 - 7 - 10 - 13 - 15 - 17 - 20 fathoms and every 5 fathoms thereafter.



SOUNDING LEADS—Fig. 940

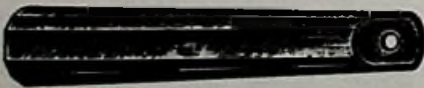


Fig. 940

All weights from 2 to 10 pounds inclusive carried in stock.

PER POUND —

ROUND STAINLESS STEEL SINKS – Fig. 391

Deep Drawn, Seamless Construction –
20 Gauge 18-8 – Polished Finish – Self Rimming

No.	Each	Diameter Inside Inches	Diameter Outside Rim Inches	Depth Inside Inches	Weight Pounds
6		11-3/4	13-3/4	5	2



Fig. 391

Finishing frame not required.

Drain fitting not included, see Fig. 586.

STAINLESS STEEL SINKS – Fig. 392

Deep Drawn, Seamless Construction –
20 Gauge 18-8 – Satin Finish – Self Rimming

Bottom heavily undercoated for sound deadening.

No.	Each	Size Inside Inches	Size Outside Rim Inches	Depth Inside Inches	Weight Pounds
1		10 x 14	13 x 17	7-1/2	5
2		14 x 15	17 x 19	7	6-1/2



Fig. 392

Finishing frame not required.

Drain fitting not included, see Fig. 357.

DRAIN FITTINGS – Figs. 357 and 586

Brass – Chromium Plated

Fig. 357 For use with sink Fig. 392

Fig. 586 For use with sink Fig. 391

Fig.	Each	Opening In Sink Inches	Diameter Tail Piece Inches	Weight Ounces
357		3-1/2	1-1/2	20
586		2	1-1/2	10



Fig. 586



Fig. 357

SEAGOING ASH TRAY—Fig. 795

All Brass – Chromium Plated
Swing Type – Removable

Each	Dimensions Mounting Plate Inches	Overall Height Inches	Weight Ounces
	1-3/4 x 1-1/4	3	5-3/4



Fig. 795

Spare Wall Plate, Specify Fig. 166, Chrome.

Spare Acorn Nut, See Fig. 465 No. 2 .

THE 8, 10, 12 AND 14 INCH BELLS LISTED ON THIS PAGE HAVE BEEN REVIEWED BY THE U.S. COAST GUARD AND COMPLY WITH C.G. 169 REGULATIONS FOR SOUND SIGNAL APPLIANCES AS REQUIRED BY ANNEX III PARAGRAPH 2 OF THE 72 COLREGS.



Fig. 420



CAST BRONZE FOG BELLS—Fig. 420

Medium Weight — With Removable Bracket

Bottom Diameter Inches	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Weight Pounds
6			5	3-1/4
8			6-1/8	6-1/2



Fig. 150



CAST BRONZE FOG BELLS—Fig. 150

Heavy Weight — With Removable Bracket

Bottom Diameter Inches	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Weight Pounds
8				8	9
10				10-1/2	16-1/2
12				12	31

Now Available in Plain Bronze.

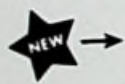


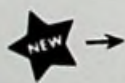
Fig. 158

CAST BRONZE FOG BELL—Fig. 158

Heavy Weight — With Stationary Bracket

Bottom Diameter Inches	Plain Bronze Each	Polished Bronze Each	Chromium Plated Each	Height Overall Inches	Weight Pounds
12				12	31
14				13	35-1/2

Now Available in Plain Bronze.



SPARE PARTS
SPECIFY SPARE PART NO., SIZE and FINISH

ARMS		WALL PLATES		CLAPPERS		EYE BOLTS		ACORN NUTS	
Figure No.	Spare Part No.	Figure No.	Spare Part No.	Figure No.	Spare Part No.	Figure No.	Spare Part No.	Figure No.	Spare Part No.
420-6"	420-99A-6"	420-6"	127	420-6"	153	420-6"	113	420-6"	465 NO. 4
420-8"	171	420-8"	127	420-8"	144	420-8"	123	420-8"	465 NO. 8
150-8"	171	150-8"	127	150-8"	144	150-8"	123	150-8"	465 NO. 8
150-10"	150-99A-10"	150-10"	150-99B-10"	150-10"	150-99C	150-10"	150-99D	150-10"	465 NO. 9
150-12"	150-99A-12"	150-12"	150-99B-12"	*150-12"	172	*150-12"	172	150-12"	465 NO. 9
*158-12"	158-99A-12"	*158-12"	158-99A-12"	*158-12"	172	*158-12"	172	158-12"	465 NO. 9
*158-14"	158-99A-14"	*158-14"	158-99A-14"	*158-14"	172	*158-14"	172	158-14"	465 NO. 9
*Includes Wall Bracket		*Includes Arm		*Includes Eye Bolt		*Includes Clapper			

BRASS FOG BELLS – Fig. 159

With Removable Arm and Wall Plate
Clapper has short arm for Lanyard.

Bottom Diameter Inches	Plain Brass Each	Polished Brass Each	Chromium Plated Each	Height Overall Inches	Weight Pounds
6				4	1
8				5	2-1/4

SPARE PARTS – SPECIFY FINISH

	Plain Each	Polished Each	Chrome Each
Arm Only, Fig. 159-99 A			
6" Clapper Only, Fig. 159-99 B			
8" Clapper Only, Fig. 153			
Eye Bolt Only, Fig. 113			
Wall Plate Only, Fig. 166			
Acorn Nut Only, Specify Fig. 465 No. 4			



Fig. 159



Fig. 159-SP

SKIN PACK – Fig. 159-SP

6 Inch – Chromium Plated
One Bell Per Card.
Two Cards Per Box.
Weight Per Box, 2 3/4 Pounds.
Sold To Trade In Full Box Only

FOG HORNS—Fig. 162

Aluminum – Durable White Baked Enamel Finish –
Nylon Mouthpiece
Lightweight Fog Horn that is attractive and practical

Each	Length Overall Inches	Weight Ounces
	12-1/2	6

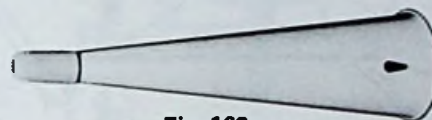


Fig. 162

SKIN PACK – Fig. 162-SP

One Horn Per Card.
Six Cards Per Box.
Weight Per Box 2 1/2 Pounds.

Sold To Trade in Full Box Only



Fig. 162-SP

TRIPLEX MOTOR BOAT WHISTLE—Fig. 167

Plastic

Each	Length Overall Inches	Width Overall Inches	Weight Per Dozen Pounds
	6	1-3/4	1

Standard Package, 10 Pieces.



Fig. 167

SKIN PACK – Fig. 167-SP

One Whistle Per Card.
Twelve Cards Per Box,
Weight Per Box, 1 1/2 Pounds.

Sold To Trade In Full Box Only.



Fig. 167-SP

SIGNAL WHISTLE—Fig. 349

Black Plastic

Each	Length Inches	Width Inches	Weight Per Dozen Ounces
	2-1/4	3/4	8

Standard Package, 10 Pieces.



Fig. 349

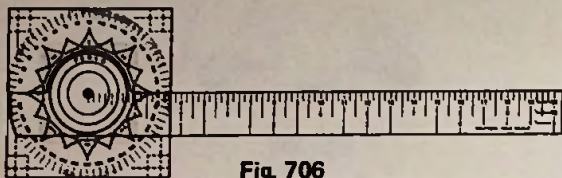


Fig. 706

COURSE PROTRACTOR – Fig. 706

Indicates Course and Reverse Course – Transparent

A precision instrument that is accurate in detail. Positions, depths etc. are clearly visible through protractor. The arm has various mileage scales used on all coastal and harbor charts. It extends on short end to show reverse course.

Each	Extreme Length Inches	Diam. Compass Card Inches
	21-1/2	6-3/8

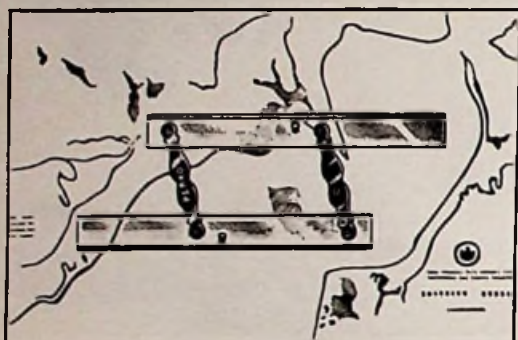


Fig. 630

LUCITE PARALLEL RULES—Fig. 630

Transparent – Aluminum Bars – Heavy Type

Chart data shows clearly through transparent lucite. Heavy type with finger grips, and corprene non-sliding discs.

Length Closed Inches	Each	Width Closed Inches	Thickness Inches	Weight Ounces
12		2-1/2	3/16	6-1/2
15		2-1/2	3/16	7-1/2
18		2-1/2	3/16	8-1/2



Fig. 693

DIVIDERS—Fig. 693

Brass – Chromium Plated – Navy Type

No.	Each
1 Length, 5-1/2 inches	
2 Length, 7 inches	

No. 2 size has straightening device and reversible points.
Standard Package, 5 Pieces.



Fig. 708

YACHT LOG BOOK—Fig. 708

112 Pages – Water Resistant Binding

Cover is hard plastic coated Kivar. Water resistant and washable. Navy blue with gold lettering. In addition to pages for log data, these books contain useful information such as extracts from Bowditch Practical Navigator on symbols for weather, state of sea, cloud formations, force of wind, guest log and marine telephone log.

Weight, 20 Ounces

Each

PERKO®

steering equipment

shaft fittings

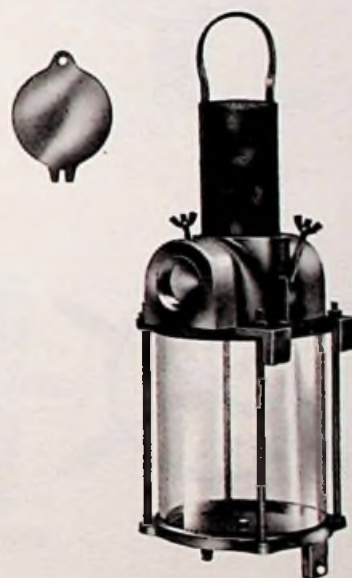
thru hulls

water strainers

fuel filters

underwater fittings

pumps, drainers



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HYSPEED RUDDERS— Fig. 818

Cast Manganese Bronze

Constructed in perfectly balanced proportion. Designed for express cruisers, runabouts, speedboats and all boats not carrying a skag

No.	Each	A	Dimension Inches			D	Weight Pounds
			B	C			
5		9	12	1	16	13	
7		12	16	1-1/4	18	23	

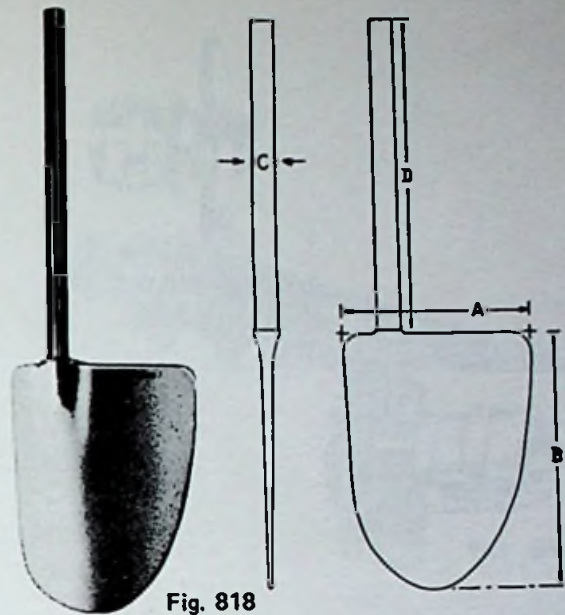


Fig. 818

RUDDER STUFFING BOXES—Fig. 1088

Cast Bronze — Plain — With Square Flange — Four Bolt Holes

No.	For Diam. Stock Inches	Each	Size Flange Inches	Overall Length Bearing Inches	Drilled For Fastening Inches	Weight Pounds
5	1		3-3/4x3-3/4	5-1/4	3/8	3
7	1-1/4		3-3/4x3-3/4	6-1/4	3/8	4



Fig. 1088

RUDDER STUFFING BOXES—Fig. 1089

Cast Bronze - Plain — With Oval Flange — Two Bolt Holes

No.	For Diam. Stock Inches	Each	Size Flange Inches	Length Bearing Inches	Drilled for Fastening Inches	Weight Pounds
5	1		4-1/4x2-1/4	5-3/8	3/8	3-1/4
7	1-1/4		5-3/4x3	6-3/8	1/2	5-1/2
9	1-1/2		6-1/2x3-1/2	6-3/4	1/2	6-3/4



Fig. 1089

BRONZE COLLARS—Fig. 815

No.	For Diam. Stock Inches	Each	Outside Diameter Inches	Thickness Inches	Weight Ounces
5	1		1-3/4	15/16	7
7	1-1/4		2-1/8	15/16	11
9	1-1/2		2-1/2	1-1/8	19



Fig. 815



Fig. 320

STUFFING BOXES—Fig. 320

Cast Bronze — Regular

No.	Shaft Size Inches	Each	Size Flange Inches	For Diam. Bolt Inches	Length Bearing Inches	Weight Pounds
3	3/4		4 x1-3/4	3/8	2-1/8	1-1/8
4	7/8		4-1/8x1-7/8	7/16	2-5/8	1-1/2
5	1		4-1/4x2-1/8	7/16	2-5/8	1-3/4
6	1-1/8		4-7/8x2-1/8	1/2	2-7/8	2-1/4
7	1-1/4		5-3/4x2-3/8	1/2	2-7/8	3
9	1-1/2		6-1/2x3	1/2	3	3-1/2



EXTRA HEAVY STUFFING BOXES—Fig. 819

Rectangular Flange — Cast Bronze

No.	Shaft Size Inches	Each	Size Flange Inches	For Diam. Bolt Inches	Length Bearing Inches	Weight Pounds
7	1-1/4		5-5/8x3-5/8	1/2	4-1/4	6-1/2
9	1-1/2		6 x4-3/8	1/2	5-1/2	10
10	1-3/4		6-1/2x4-1/2	5/8	7	13-1/2
11	2		7-3/4x5	5/8	7-3/8	15-1/2



Fig. 819

SELF-ALIGNING STUFFING BOXES—Fig. 734

Cast Bronze — Rectangular Flange

No.	For Shaft Inches	Each	Size Flange Inches	Length from Flange to End of Box Inches	Weight Pounds
5	1		5x3-1/4	6-3/4	5
7	1-1/4		6x4-1/4	7-3/4	9-1/2
9	1-1/2		7x4-1/2	8-1/4	13

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

Spare Stuffing Boxes, See Fig. 672.

Spare Hoses, See Fig. 673.

Spare Clamps, See Fig. 6400.



Fig. 734

PACKING NUTS AND LOCK NUTS—Figs. 73 & 79

For Stuffing Boxes — Cast Bronze

No.	Shaft Size Inches	Fig. 73 Each	Fig. 79 Each	Width Hex Inches	For Use With Figures
3	3/4			1-3/8	320
3A	3/4			1-3/4	672 No. 3
4	7/8			1-5/8	320 & 1089
4A	7/8			1-3/4	672 No. 4
5	1			1-3/4	320, 672, 1088, 1089
6	1-1/8			2	320, 672, 1088, 1089
7	1-1/4			2	672
7A	1-1/4			2-1/4	320, 819, 1088, 1089 (Size No. 7)
9	1-1/2			2-3/8	672
9A	1-1/2			2-1/2	320, 819, 1089 (Size No. 9)
10	1-3/4			3-1/4	819
11	2			3-1/2	819



Fig. 73



Fig. 79

STAINLESS STEEL MARINE HOSE CLAMPS—Fig. 6400

No Rivets — Welded

This item meets the requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems.



Fig. 6400

Part Number	Each	Size Hose Inches From	To	Clamp Diameter Inches Min.	Max.	Box Quantity	Weight Per 100 in Pounds
4		1/4	5/8	3/8	1 1/16	10	2
10		3/8	5/8	5/8	1-1/16	10	6
12		5/8	3/4	11/16	1-1/4	10	6
16		3/4	1	13/16	1-1/2	10	7
20		1	1-1/4	13/16	1-3/4	10	7
28		1-1/4	1-3/4	1-5/16	2-1/4	10	8
36		1-3/4	2-1/4	1-13/16	2-3/4	10	9
44		2-1/4	2-3/4	2-5/16	3-1/4	10	9
52		3	3-1/4	2-13/16	3-3/4	10	11
56		3-1/4	3-1/2	3-1/16	4	10	11
64		3-1/2	4	3-9/16	4-1/2	10	12

Note — Above clamps are 1/2 inch wide except Size No. 4 which is 5/16 inch.

SELF ALIGNING SHAFT LOGS—Fig. 671

Cast Bronze

No.	Each	Size Shaft Inches	Size Base Inches	Length Overall Inches	Degrees of Angle	Weight Pounds
3		3/4	11-3/8x3-1/2	18	12	5-1/4
5		1	11-3/8x3-1/2	18	12	5-1/4
7		1-1/4	16-1/2x4-1/4	23-1/2	10	10-1/4
9		1-1/2	19x5	28	10	17-3/4

NOTE — Size Nos. 3&5 are drilled for screws. Balance of sizes are spotted but not drilled.



Fig. 671



STUFFING BOX AND EXTRA HOSE

Figs. 672, 673 For Self Aligning Shaft Logs

For Log No.	Size Shaft Inches	Fig. 672 Stuffing Box Each	Fig. 673 Hose Each	I.D. Hose Inches	Length Hose Inches
3	3/4			1-3/4	4
4	7/8			1-3/4	4
5	1			1-3/4	4
7	1-1/4			2-3/8	5
9	1-1/2			2-5/8	5



Fig. 672



Fig. 673

For Hose Clamps, See Fig. 6400.



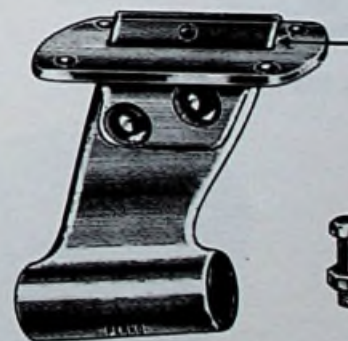
UNIVERSAL STRUTS—Fig. 1055

Cast Manganese Bronze — For Cutless Rubber Bearings

These struts can be made any length shorter than standard by sliding the shank up through the base to the required length. The necessary angle for the shaft is also obtained in the same way.

Two Everdur Hex Head Bolts are furnished. Extreme drop to center of shaft is 7 inches. Base drilled for 5/16 inch bolts. Dimensions of base 5-3/8 x 3-1/8 inches.

No.	Each	For Diam. Shaft Inches	For Cutless Bearing Code	Length Bearing Inches	Weight Pounds
3		3/4	Kale	3-1/2	6
5		1	Kayak	4	7-1/2
7		1-1/4	Kidnap	5	7-1/2



CUT OFF HERE



Fig. 1055

PIPE DECK PLATES

Bronze – Straight Pipe Threads

Size Nos. 7 - 8 are Pressure Cast Bronze.

Other Sizes Cast Bronze.

Size Nos. 7 and 8 are Slotted per Illustration.

Other Sizes have Holes for Key, Not Slotted.

Marked Type is Marked on the Plate,

Not on the Cap.

Caps have "O" Ring for Water Tightness

Complete with Key

UNMARKED – Fig. 528



Fig. 528

No.	Pipe Size Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Outside Diam. Plate Inches	Weight Pounds
6	1			2-7/8	5/8
7	1-1/4			3-5/16	7/8
8	1-1/2			3-5/8	1
9	2			4-1/4	1-1/2
10	2-1/2			4-5/8	2
11	3			5-3/8	2-1/2



Fig. 528-G

MARKED "GAS" – Fig. 528-G

No.	Pipe Size Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Outside Diam. Plate Inches	Weight Pounds
7	1-1/4			3-5/16	7/8
8	1-1/2			3-5/8	1
9	2			4-1/4	1-1/2

This item meets the requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems.

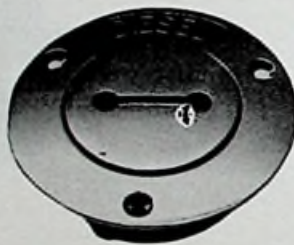


Fig. 528-D

MARKED "DIESEL" – Fig. 528-D

No.	Pipe Size Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Outside Diam. Plate Inches	Weight Pounds
7	1-1/4			3-5/16	7/8
8	1-1/2			3-5/8	1
9	2			4-1/4	1-1/2



Fig. 528-W

MARKED "WATER" – Fig. 528-W

No.	Pipe Size Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Outside Diam. Plate Inches	Weight Pounds
7	1-1/4			3-5/16	7/8
8	1-1/2			3-5/8	1
9	2			4-1/4	1-1/2

SPARE PARTS FOR ABOVE DECK PLATES

Spare Caps, Specify Fig. 528, 99A Size and Finish.

Spare "O" Ring, Specify Fig. 528, 99B and Size.

Spare Keys, Sizes 5 to 10, Specify Fig. 1248, and Size.

Size 11, Specify Fig. 827.



Fig. 524

"WASTE" FITTINGS – Fig. 524

FOR USE IN EMPTYING HOLDING TANKS

Pressure Cast Bronze – Chromium Plated

With "O" Ring – Airtight – Complete with Key.

Complies with adopted standard on "Fittings" A.B.Y.C. recommended practices and standards covering sewage holding and/or treatment devices for marine waste systems.

Each	Straight Pipe Thread Inches	Outside Diam. Plate Inches	Weight Pounds
	1-1/2	3-5/8	1

Spare Caps, Specify Fig. 524-99A.

Spare "O" Rings, Specify Fig. 528-99B Size No. 8.

Spare Keys, See Fig. 1248–Size No. 7-8

NEW

"CHROMALEX"® GAS FILL—Fig. 1413

Die Cast Zinc Alloy Body — Chromium Plated — Black Plastic Cap, Impervious to Gasoline - Complete with Grounding Lug with Screw.

Cap has integral retainer feature and is equipped with gasket to assure water tightness of fill. Neck has bead for hose retention.

Each	Overall Dimensions Inches	Length Hose Neck Inches	For Hose Inches	For Screw No.	O.E.M. Package	Weight Ounces
	3 X 3	1-5/8	1-1/2	7	50	7

This item meets the requirements of U.S.C.G. Safety Standards, January 31, 1977 for Gasoline Fuel Systems.

Spare Cap Specify Fig. 126.



Fig. 1413



★
"CHROMALEX"® GAS FILL — Fig. 1313

Die Cast Zinc Alloy Body — Chromium Plated Black Plastic Flange and Cap, Impervious to Gasoline — Complete with Grounding Lug with Screw

Improved cap has integral retainer which prevents loss of cap. Cap is equipped with gasket to assure water tightness of fill. Neck has bead for hose retention. This item meets the requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems.

Each	Diameter Overall Inches	Length Hose Neck Inches	For Hose Size Inches	For Screw No.	OEM Package	Weight Ounces
	3-1/8	1-5/8	1-1/2	7	50	7

Spare Cap, Specify Fig. 126

See Section "M" For "CHROMALEX"® III Gas Fill.



Fig. 1313



★
SKIN PACK — Fig. 1313-SP

One Fill Per Card.
Six Cards Per Box.
Weight Per Box, 3½ Pounds.

Sold To Trade In Full Box Only.

See Section "L" For "CHROMALEX"® III Skin Pack Gas Fill.



Fig. 1313-SP

★
GAS TANK CAP—Fig. 1245

Die Cast Zinc Alloy — Chromium Plated Complete with Deck Flange and 24 Inch Safety Cord.

Each	Threaded for Pipe Inches	Height Overall Inches	Diam. Deck Flange Inches	For Screw No.	Weight Ounces
	1-1/2	1-1/8	3-1/8	7	9-1/2

Spare Caps with Safety Cord, Specify Fig. 1245-99A.

Standard Package, 5 Pieces.



Fig. 1245

★
DECK PLATES FOR HOSE — Fig. 1270

Die Cast Zinc Alloy — Chromium Plated Neck Has Bead For Improved Hose Retention — Cap Has "O" Ring. Cap Has Holes and Slot for Key, Screw Driver or Large Coin. Complete with Key.

Size No. 1B meets requirements of U.S.C.G. Gasoline Fuel Systems.

Fig. 1270 No. 1 marked "WASTE"

Fig. 1270 No. 1B marked "GAS"

Fig. 1270 No. 1C marked "WATER"

No.	Each	Inside Diameter Neck Inches	For Hose Inches	Length Neck Inches	Diameter Flange Inches	Weight Ounces
1		1-3/8	1-1/2	2-3/4	3-1/4	14

NOTE - Figs. 1270 B and C Supplied with Safety Cord.

Spare Caps, Specify Fig. 1270 — 99A and Marking.

Spare Keys, See Fig. 1248, Size No. 7-8

Spare "O" Rings, Specify Fig. 528-99B Size No. 8



Fig. 1270



Fig. 526

REGULAR DECK PLATES—Fig. 526

Cast Bronze — With Key

Diam. Opening Inches	Machine Finish Complete Each	Polished Chromium Plated Complete Each	Keys Only Each	Outside Diam. Plate Inches	Weight Pounds
3				4-7/8	1-1/2
4				5-3/4	2
5				7-1/16	2-3/4
6				8-1/4	5
8				10-1/4	7

Keys Only, Specify Fig. 539 and Size.

Spare Caps, Specify Fig. 526, 99A Size and Finish.

★
DECK PLATE KEY—Fig. 827

Aluminum — Gold Anodized

Will fit various sizes of deck plates up to 3 inches.

Each	Length Overall Inches	Diameter Metal Inches	Standard Package	Weight Ounces
	5-3/4	3/16	10	1-3/4

★
SKIN PACK — Fig. 827-SP

One Key Per Card.

Six Cards Per Box.

Weight Per Box, 1½ Pounds.

Sold To Trade In Full Box Only.

★
DECK PLATE KEY—Fig. 826

Cast Bronze — Adjustable to all

Sizes of Deck Plates — Heavy Duty

Will fit all sizes of deck plates up to 8 inch diameter.

Each	Length Overall Inches	Standard Package	Weight Pounds
	8-1/2	5	1

★
DECK PLATE KEYS — Fig. 1248

Die Cast Zinc Alloy — Natural Finish

*No.	Each	C to C Of Lugs Inches	Length Overall Inches	Weight Ounces
6		5/8	3-3/8	2
7-8		1-1/8	3-3/8	2
9		1-11/16	4-3/8	2-1/2
10		2	4-3/8	2-1/2

*Corresponds with Size of Deck Plate.

★
SAFETY CORDS — Fig. 537

For PIPE DECK PLATES

The Caps of Our Fig. 528 Deck Plates

Are Pre-Drilled and Tapped for this Cord.

Cord is High Strength Monofilament, 24 Inches

Long. Each

Standard Package, 5 Pieces.

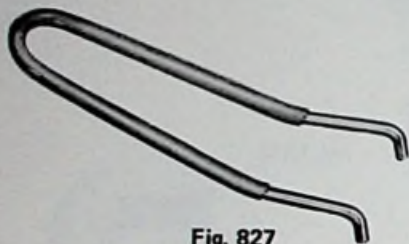


Fig. 827

Fig. 827-SP

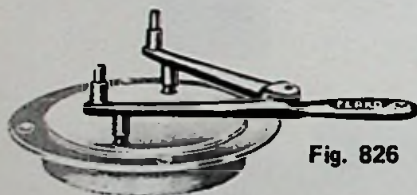


Fig. 826

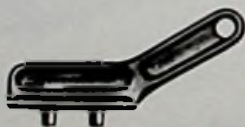


Fig. 1248

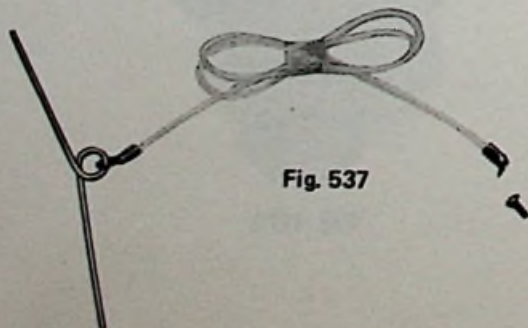


Fig. 537

CHOKE CONTROL HANDLES – Fig. 692

For Casing With Left Hand Lay – All Brass – Chromium Plated – Friction Device

Has An Adjustable Friction Device to Hold At Desired Setting.

Control wire and casing can be easily attached. No soldering necessary, wire held by set screw in knob. Casing threaded into tube. For use on a dash or bulkhead up to 2 inches thick.



Fig. 692

Each	Length Inches	Diam. Stem Inches	Standard Package	Weight Ounces
	4-7/8	3/8	5	2



BOWDEN WIRE AND CASING—Fig. 353

Brass – 1/4 Inch O.D. Casing – Left Hand Lay – Wire Diameter .072 Inches

50 FOOT LENGTHS ONLY

No. 1 Casing only per length
 No. 2 Wire only, per length



CONTROL WIRE SOCKETS—Fig. 679

Plain Brass

No	Each	Length Inches	Diameter Inches	Between Jaws Inches	Length Jaws Inches	Weight Ounces
1		1	3/8	1/8	1/2	1/2

Length jaws measured to center of screw.
 Standard Package, 10 Pieces.



BOWDEN CASING CLAMP—Fig. 352

Brass – Swivel Type – Plain

Will hold control casing firmly while swivel feature allows smooth sliding of control wire in casing at any angle.

Each	Size Base Inches	Standard Package	Weight Ounces
	2-1/4x1	10	3



STEERER AND CONTROL PARTS—Fig. 865

Cast Bronze – Plain

No.	Item	Each	Length Overall Inches	Length C to C Inches	Weight Pounds
1	Lever		8	6	1-3/4
1-A	Lever		10	6-7-8*	2-1/8
1-B	Lever		10	6-7-8*	2-1/4
1-C	Lever		10	6-7-8*	2-1/4
2	Clevis		2-1/2		1/2
2-A	Clevis		2-1/2		1/2
2-B	Clevis		4-1/16		3/4
2-C	Clevis		4-1/16		3/4
8	Bearing				3/4

No.	For Diam. Shaft Inches	For Diam. Pin Inches	Diam. Bolt Inches	Tapped For Rod Inches	Tapped For Pipe Inches	Inside Jaw Inches	Diam. Flange Inches
1	1	1/2					
1-A	1	1/2					
1-B	1-1/8	1/2					
1-C	1-1/4	1/2					
2			1/2	3/4		1/2	
2-A			1/2		1/2	1/2	
2-B			1/2		3/4	9/16	
2-C			1/2	1		9/16	
8	1						3-1/2

Depth of Bearing – No. 8, 5/8 Inches.

*Nos. 1-A, 1-B, 1-C Are Of Heavy Construction Like No. 1, And With Three Pin Holes.

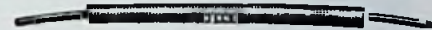


Fig. 353



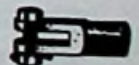
Fig. 679



Fig. 352



1. Lever



2. Clevis



8. Lower Bearing

Fig. 865

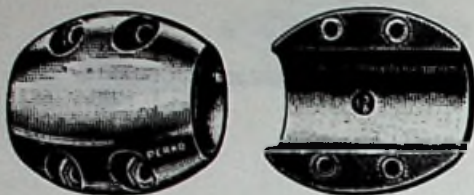


Fig. 252

ELECTROLYSIS COLLARS—Fig. 252

FOR SHAFT

Streamlined Zinc Die Casting — Precision Made And Balanced —

The electrolysis collar is the least expensive way of protecting the most expensive parts of any boat against electrolytic action. It is a precision made collar of zinc designed to fit properly on any propeller shaft regardless of the shaft R.P.M. These collars can be easily and almost instantly installed by anyone. They are doweled, so the two halves will always locate themselves. These collars help to protect vital underwater fittings such as propellers, struts, shafts, strut bolts, also prevent pitting of all underwater fastenings.

Sizes No. 3 thru 7 have 2 bolts, larger sizes 4 bolts.

No.	Each	Shaft Size Inches	Length Overall Inches	Standard Package	Bulk Package	Weight Pounds
3		3/4	2	10	25	3/4
4		7/8	2	10	25	3/4
5		1	2-1/4	10	50	1-1/8
6		1-1/8	2-1/4	10	50	1-1/8
7		1-1/4	2-1/4	10	50	1-1/8
8		1-3/8	2-3/4	10	50	1-3/8
9		1-1/2	2-3/4	10	50	1-3/8
10		1-3/4	2-7/8	5	25	2-1/2
11		2	2-7/8	5	25	2-1/2



Fig. 253

ELECTROLYSIS COLLARS—Fig. 253

FOR SHAFT

Zinc Die Castings — Heavy Duty Commercial Type —

No.	Each	Shaft Size Inches	Length Overall Inches	Diam. Overall Inches	Weight Pounds
11		2	1-1/8	3-3/4	1-1/2
12		2-1/4	1-1/8	3-3/4	1-1/2
13		2-1/2	1-5/8	5	3-1/2
14		3	1-5/8	5	3
15		3-1/2	1-11/16	6	6
16		4	1-11/16	6	5



Fig. 407

ELECTROLYSIS ELIMINATORS—Fig. 407

FOR RUDDERS

Smooth Zinc Die Castings —

No.	Per Set as Illustrated	Diameter Inches	Standard Package	Bulk Package	Length Bolt Inches	Weight Complete Pounds
2		2-7/8	10	50	2	1
2-A		3-3/4	5	25	2	1-3/4
3		5	5	25	2	3



Fig. 244

ELECTROLYSIS ELIMINATORS—Fig. 244

FOR SMALL BOAT HULLS

Zinc Die Castings

No.	Each	Length Inches	Width Inches	Standard Package	Bulk Package	Weight
1		3-1/2	1-3/4	10	100	6-1/2 oz.
2		5-1/4	2-1/8	10	50	1-1/4 lb.

ELECTROLYSIS ELIMINATORS—Fig. 247 FOR SMALL BOAT HULLS

Die Cast Zinc

Each	Length Inches	Width Inches	Standard Package	Bulk Package	Weight Ounces
	4-3/4	2	10	50	14



Fig. 247



ELECTROLYSIS ELIMINATORS — Fig. 241 FOR YACHT HULLS

Die Cast Zinc

Each	Length Inches	Width Inches	Thickness Inches	Standard Package	Bulk Package	Weight Pounds
	9-1/4	3-3/8	3/4	5	25	3-1/4



Fig. 241



ELECTROLYSIS ELIMINATORS—Fig. 345 FOR COMMERCIAL HULLS

Die Cast Zinc

Each	Length Inches	Width Inches	Thickness Inches	Standard Package	Bulk Package	Weight Pounds
	6-1/4	2-3/4	5/8	5	25	2-1/4



Fig. 345



ELECTROLYSIS ELIMINATORS—Fig. 254 FOR MARINE ENGINES

Zinc With Forged Bronze Plug

No.	Complete Each	Plug I.P.S. Inches	Zinc Dimensions Inches	Weight Ounces
3		3/8	3/8x1-3/4	2
4		1/2	5/8x2	4-1/2
5		3/4	3/4x2	7
5A		3/4	3/4x3-1/4	8-1/2

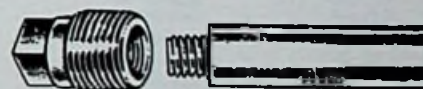


Fig. 254

Spare Zincs, Specify Fig. 254-99 A And Size
Spare Bronze Plugs, Specify Fig. 254-99 B And Size

Standard Package, 5 Pieces Per Size.

ALL ABOVE ZINCS IN STANDARD OR BULK PACKAGES ONLY. NO BROKEN PACKAGES.

FUEL FILTER AND SEPARATOR

FIG. 299

Cast Bronze – With “Kwick Klean” Filter Element

For Gasoline – Diesel Fuel – Lubricating Oil – Air – Water

Complies With U.S.C.G. Standards For Fuel Filters And Strainers.*

These units are guaranteed to separate water from gasoline or diesel fuel. The filter element is a 40 micron microcarbon ribbon type made of cellulose and impregnated with phenolic resin. It has a high rate of flow sufficient to feed high horsepower diesel and gasoline engines. Easily cleaned by reverse flow or back flushing with compressed air.

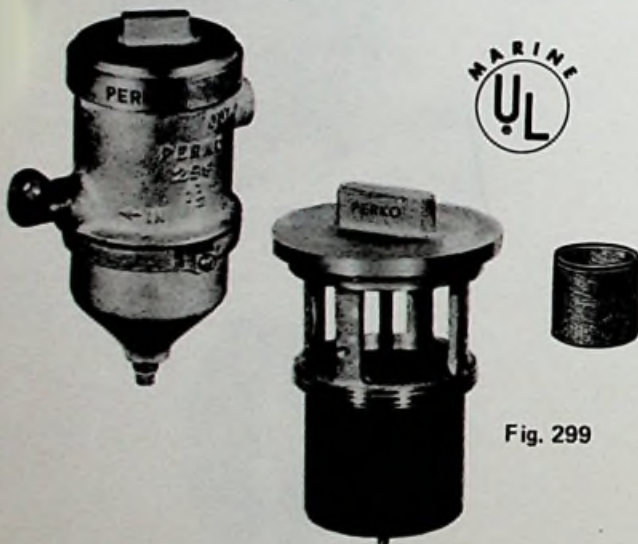


Fig. 299

Cast Bronze Housing and Adjustable Mounting Bracket –
Drain Plug – Viton “O” Ring Gasket.

Tested and accepted for labeling and listed by the Underwriters Laboratories Inc.

Size No.	Complete Each	Length Overall Inches	Diam. Inches	** Tapped For Pipe Inches	Weight Pounds
1		5-1/2	2-3/8	1/4 & 3/8	3-3/4
2		6-1/4	3-1/8	3/8 & 1/2	5-1/2

No. 1 Element is 1-3/4" O.D. x 1-3/4 long.

No. 2 Element is 2-1/4" O.D. x 2" long.

**Casting is tapped for larger size with removable bushing for smaller size.

KEEP IT CLEAN WITH AN APPROVED FILTER

There are three classifications for fuel cleaning devices:

Filters, which remove particles of microscopic size (40 microns or less)

Strainers, which remove larger particles (More than 40 but less than 150 microns)

Separators, which effectively remove water from the fuel.

SPARE PARTS

Spare elements, Specify Fig. 324 and Size No.

Spare “O” Rings, Specify Fig. 327 and Size No.

*U. S. Coast Guard Safety Standards For Gasoline Fuel Systems, January 31, 1977.

INTAKE WATER STRAINERS

FIGS. 493 AND 500

Perko water strainers are designed for easier installation and cleaning. Also, the outside tie rod safety feature eliminates the electrolysis problems often encountered with designs using internal tie rods.

Tested and accepted for labeling and listed by the Underwriter's Laboratories, Inc.

Cast Bronze Cover With Gasket. Arranged For No-Lose Bolting And Swinging For Quick Removal And Cleaning Of Strainer.



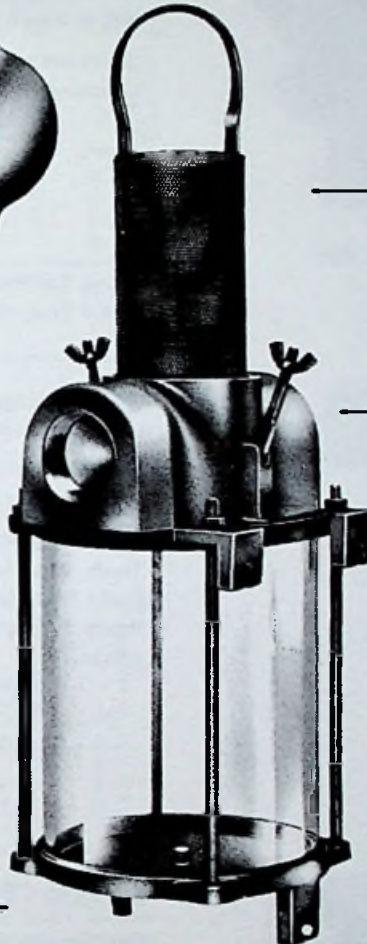
Basket Type Strainer Of No. 304, 18/8 Stainless Steel, Non Magnetic, Non Corrosive. Removable Thru The Top For Cleaning.



4 Brass Outside Tie Rods, No Inside Rod. Each Rod Has Brass Hex Nut With Washer On Top. It is Threaded Into The Tapped Bottom Casting.

Transparent Moulded High Impact Plastic Cylinder

Brass Drain Plug.



Top Is High Copper Content Cast Bronze With Pipe Threaded Inlet And Outlet, Hinged Bolts For Cover And Adequate Integral Mounting Lugs Both Sides For Universal Mounting. Inlet Is Into The Interior Of The Basket Type Strainer.

Bottom Is Same Bronze Alloy As Top.

Fig. 493 – STANDARD TYPE

No.	Complete Each	Pipe Size Inches	Size Cylinder Inches	Approx. Height Inches	Approx. Width Overall Inches	Approx. Weight Pounds
3		3/8	2-3/4x2-1/2	4-1/4	3-1/4	2-1/2
4		1/2	3-1/2x4	5-3/4	4-1/2	5
5		3/4	3-1/2x6	8-3/8	4-1/2	5
6		1	4-1/2x5-1/2	9-1/2	5-1/2	8
7		1-1/4	4-1/2x6	10	5-1/2	8
8		1-1/2	6 x8	11-1/2	7	14
9		2	6 x12	16	7-1/4	18
10		2-1/2	6 x12	16	7-1/2	18

Fig. 500 – HEAVY DUTY TYPE

High Capacity For Diesels And Large Gasoline Engines

9	2	8x10	14-1/2	9	34
10	2-1/2	8x12	16-1/2	9	34
11	3	8x14	18-1/2	9	34

SPARE PARTS

SPECIFY FIG. NO. OF STRAINER, SIZE AND PART NO. BELOW.

Top Casting	99-A	Basket Strainer	99-D	Tie Rod	99-G	Wing Nut And Washer For Cover	99-K
Bottom Casting	99-B	Cover	99-E	Nut And Washer For Tie Rod	99-H	Hinged Bolt For Cover With Pin, Nut And Washer	99-L
Transparent Cylinder	99-C	Cover Gasket	99-F	Cylinder Gasket	99-J		



Fig. 834



Fig. 835



Fig. 805



Fig. 821



Fig. 823



Fig. 825

SEACOCKS – Figs. 834 & 835

Cast Bronze with Drain Plugs, Thru Hull and Tail Piece

Fig. 834 with 90 degree curved tail piece.

Fig. 835 with straight tail piece.

These sturdy units are of a ball valve design with bronze chromium plated ball to reduce wear and costly time consuming maintenance. They are equipped with Teflon® seats for smooth operation, quick and positive opening or closing and to assure a tight seal. Handles are removable.

Tested and accepted for labeling and listed by the Underwriters Laboratories Inc.

No.	Pipe Size Inches	Fig. 834 Each	Fig. 835 Each	Hose Size Inches	Complete Weight Pounds
5	3/4			3/4	3
6	1			1	4-3/4
7	1-1/4			1-1/4	7-1/2
8	1-1/2			1-1/2	10

Spare Tail Pieces, See Figs. - 63 and 76.

Spare Thru-Hull Connections, See Fig. 322

SEACOCK BODY – Fig. 805

Complete with Drain Plugs, 4 Pre-drilled Mounting Holes and Bonding Screw.

Some installations may require extra long, scoop type or flush thru hull connections. Therefore we offer the valve body used for Figs. 834 and 835. You may select from our many fittings on pages H-15 and H-17 to fit your individual needs.

No.	Pipe Size Inches	Each	Weight Pounds
5	3/4		2-1/2
6	1		4
7	1-1/4		6
8	1-1/2		8

ECONOMY SEACOCKS – Figs. 821 & 823

Cast Bronze With Drain Plug, Thru Hull and Tail Piece.

No.	Pipe Size Inches	Fig. 821 Each	Fig. 823 Each	Hose Size Inches	Complete Weight Pounds
4	1/2		N.A.	5/8	7/8
5	3/4			3/4	1-1/2
6	1			1	2-1/2
7	1-1/4			1-1/4	4
8	1-1/2			1-1/2	5-1/4

Spare Tail Pieces, See Adapter, Figs. 76 and 63.

Spare Thru-Hull Connections, See Fig. 322.

ECONOMY SEACOCK BODY – Fig. 825

Cast Bronze – Complete with Drain Plug.

No.	Pipe Size Inches	Each	Weight Pounds
4	1/2		3/4
5	3/4		1
6	1		1-1/2
7	1-1/4		2-1/4
8	1-1/2		3-1/4

STANDARD

THRU-HULL CONNECTIONS—Fig. 322

Cast Bronze — Machined Flange

Back Side of Flange is Machined to Fit snugly to Hull and is Grooved to Retain Bedding Compound or Sealant. Neck is Threaded to Approximately 1/8 Inch From Flange.

No.	Pipe Size Inches	Each	Length Neck Inches	Diameter Flange Inches	For Strainer Fig. 86 No.	Weight Pounds
3	3/8		2-1/4	1-1/2	1	1/4
4	1/2		2-1/4	1-5/8	1	3/8
5	3/4		2-1/4	2	2	1/2
6	1		2-1/2	2-1/4	3	5/8
7	1-1/4		3	2-7/8	4	1-1/2
8	1-1/2		3-1/4	3	5	1-3/4
9	2		3-1/2	3-1/2	5	2-3/8
10	2-1/2		3-5/8	4-1/2	6	3-1/4



All Fittings Shown on This Page Have Been Tested and Accepted For Labeling and Listed by the Underwriters Laboratories, Inc.



Fig. 322

EXTRA LONG

THRU-HULL CONNECTIONS — Fig. 348

Cast Bronze — Machined Flange

Back Side of Flange is Machined to Fit snugly to Hull and is Grooved to Retain Bedding Compound or Sealant. Neck is Threaded to Approximately 1 inch from Flange

No.	Pipe Size Inches	Each	Length Neck Inches	Diameter Flange Inches	For Strainer Fig. 86 No.	Weight Pounds
5	3/4		5-1/2	2	2	3/4
6	1		5-1/2	2-1/4	3	1
7	1-1/4		5-1/2	2-7/8	4	2
8	1-1/2		5-1/2	3	5	2-1/4
9	2		5-1/2	3-1/2	5	3
10	2-1/2		5-1/2	4-1/2	6	4



Fig. 348

FLUSH TYPE "NO BULGE" THRU HULL CONNECTIONS—Fig. 361

Cast Bronze — Removable Strainer

An improved thru hull fitting which gives the option of being used with or without strainer. Supplied with removable snap ring to retain the strainer screen. This fitting for all types of boats, but especially appreciated by builders and owners of sail boats. Nothing extending beyond hull to cause friction or slow boat down. The ends of these fittings have tapered threads for easy attachment of valves or other pipe fittings.

No.	Pipe Size Inches	Fig. 361 Each	Length Overall Inches	Inside Diameter Inches	Diameter Flange Inches	Weight Pounds
4	1/2		2-7/16	1/2	2-1/2	3/4
5	3/4		2-3/4	3/4	2-1/2	7/8
6	1		3	1	3	1-1/4
7	1-1/4		3-3/8	1-1/4	3	1-1/2
8	1-1/2		3-1/2	1-1/2	3-1/4	1-3/4

IMPROVED

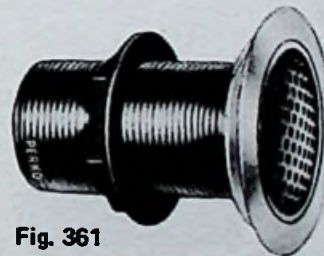


Fig. 361



INTAKE STRAINERS—Fig. 65

Cast Bronze — Plain

No.	Pipe Size Inches	Each	Length Neck Inches	Dimensions Strainer Inches	Weight Pounds
4	1/2		2-5/8	3 x 4	5/8
5	3/4		2-9/16	3 x 4	7/8
6	1		3	3 x 4	1-1/8
7	1-1/4		3-1/2	3-1/4 x 4-1/4	1-3/4



Fig. 65



Fig. 301



Fig. 301-SP



PLASTIC THRU-HULL CONNECTIONS — Fig. 301

Durable Plastic — For Use With Hose*

No.	For Hose Inches	Diam Flange Inches	Weight Ounces	Standard Package	Bulk Package
4	1/2	1-1/2	1	10	100
4A	5/8	1-1/2	1	10	100
5	3/4	1-7/8	1-3/4	10	100
6	1	2-1/4	2-1/4	5	50
6A	1-1/8	2-1/4	2-1/2	5	50
8	1-1/2	3	5-1/4	5	50

Spare Flanged Nuts, Specify Fig. 319 and Size.



SKIN PACK — Fig. 301-SP

One Connection Per Card

No.	For Hose Inches	Diam. Flange Inches	Cards Per Box	Wt. Per Box Pounds
4	1/2	1-1/2	10	1-1/2
4A	5/8	1-1/2	10	1-1/2
5	3/4	1-7/8	8	1-3/4
6	1	2-1/4	6	2
6A	1-1/8	2-1/4	6	2
8	1-1/2	3	6	3

Sold To Trade In Full Box Only.



THRU-HULL CONNECTIONS — Fig. 350

Cast Bronze For Use With Hose* — Backside of Flange is Machined to Fit snugly to Hull and is Grooved to Retain Bedding Compound or Sealant.

No.	For Hose Inches	Plain Each	Polished Chromium Plated Each	Diam. Flange Inches	Maximum Wood Thickness Inches	Weight Pounds
4	5/8			1-5/8	1-1/4	3/8
5	3/4			2	1-5/8	1/2
6	1			2-3/8	1-7/8	7/8
7	1-1/4			3	2	1-3/8
8	1-1/2			3-1/8	2	1-1/2

Spare Flanged Nuts, See Fig. 75.



THRU-HULL CONNECTIONS — Fig. 311

Cast Bronze — Chromium Plated — For Use With Hose*

Each	For Size Hose Inches	Inside Diameter Inches	Length Overall Inches	Diam. Flange Inches	Weight Ounces
	3/4 and 1	9/16	3-1/8	2-1/8	7



SCOOP STRAINERS—Fig. 66

Cast Bronze

No.	Each	Outside Dimension Inches	For Thru-Hull Size Inches	Weight Pounds
1		3-1/2x2-1/2	1/2	1/4
2		5 x3-1/4	1	3/4
3		6-1/4x4-1/4	1-1/4	1
4		8 x5-1/8	2	2

Standard Package, 5 Pieces.



ROUND STRAINERS—Fig. 86

Cast Bronze

No.	Each	Outside Diam. Inches	Inside Diam. Inches	For Thru-Hull Size Inches	Standard Package	Weight Pounds
1		2-1/2	1-5/8	1/2	5	1/5
2		3	2	3/4	5	1/4
3		3-1/2	2-3/8	1	5	1/3
4		4	3	1-1/4	5	1/3
5		5	3-3/4	2	5	3/4
6		6	4-1/2	2-1/2	1	1
7		8	6-1/4	—	1	2-1/4

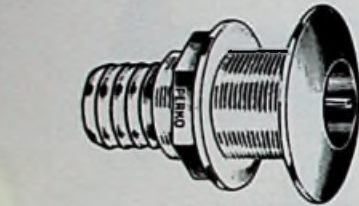


Fig. 350

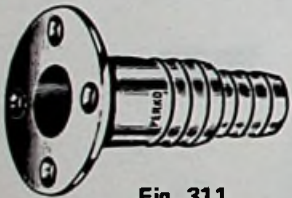


Fig. 311



Fig. 66



Fig. 86



All Fittings on This Page Have Been Tested and Accepted For Labeling and Listed by Underwriters Laboratories Inc. * Thru-Hull Connections For Use With Hose Are Not Recommended For Use Below The Waterline Per ABYC "Safety Standards For Small Craft" Section H-27.3.

PIPE TO HOSE ADAPTER—Fig. 76

Cast Bronze

No.	Pipe Size Inches	Each	Hose Size Inches	Length Overall Inches	Weight Ounces
4	1/2		5/8	1-5/8	1-1/2
5	3/4		3/4	1-3/4	2-1/8
6	1		1	1-3/4	3-1/2
7	1-1/4		1-1/4	2	5-1/8
8	1-1/2		1-1/2	2-1/4	8-1/8
9	2		2	2-5/8	16



Fig. 76

This item meets the requirements of U.S.C.G. Safety Standards January 31, 1977, for Gasoline Fuel Systems.



PIPE TO HOSE ADAPTER—Fig. 63

Cast Bronze — Curved — 90 Degrees

No.	Pipe Size Inches	Each	Hose Size Inches	Length Overall Inches	Weight Ounces
5	3/4		3/4	1-3/4	2-1/8
6	1		1	1-3/4	3-1/2
7	1-1/4		1-1/4	2	5-1/8
8	1-1/2		1-1/2	2-1/4	8-1/8



Fig. 63

This item meets the requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems.



FLANGED NUTS—Fig. 75

Bronze — For Hull Connections

No.	Pipe Size Inches	Each	Standard Package	Weight Ounces
3	3/8		5	1
4	1/2		5	1-1/4
5	3/4		5	2
6	1		5	2-1/2
7	1-1/4		5	6
8	1-1/2		1	6
9	2		1	10
10	2-1/2		1	15



Fig. 75

Size Nos. 3 to 7 inc. are Pressure Cast.
Balance are Sand Cast.



EXHAUST FITTING—Fig. 755

Cast Bronze — With "No Stain" Collar — For Hose

The outside diameter of the neck is for 1-7/8 inch hose which fits over 1-1/2 inch pipe.



Fig. 755

Plain Each	Chrome Plated Each	Length Overall Inches	Inside Diameter Inches	Diameter Flange Inches	Weight Pounds
		3-1/4	1-9/16	3-1/2	1-1/8

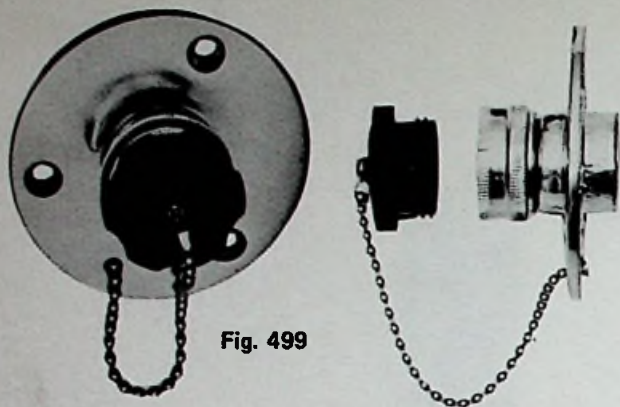


Fig. 499

FRESH WATER INLET FITTING – Fig. 499

Pressure Cast Bronze – Chromium Plated

For obtaining fresh water under pressure at dockside. For all types and sizes of vessels but particularly useful on houseboats.

External portion has a swivel hose connector, standard size, with watertight plug and stainless steel bead chain. Internal portion has 1/2 inch female N.P. thread.

Each	Diameter Flange Inches	Weight Ounces
	2-3/4	8

Spare Cap with Chain, Specify Fig. 499-99 A.



Fig. 332

WATER OUTLETS—Fig. 332

Cast Bronze

No.	Pipe Size Inches	Diam. Flange Inches	Length of Neck Inches	Weight Ounces
5	3/4	2-5/8	2-1/4	12
6	1	2-7/8	3-1/4	16

Spare Flanged Nuts, See Fig. 75.



Fig. 467

GALLEY AND LAVATORY PUMP – Fig. 467

Bronze – Chromium Plated

Inlet Valve Designed to Hold Prime, Pump has Leakproof Neoprene U-Cup Seals

Chromium Plated Each	Diam. Barrel Inches	Length Neck Inches	Threaded For Pipe Inches	Weight Pounds
	1-1/2	2-1/2	1/2	3-1/2

Spare Handle Only, Specify Fig. 467-99A.

Repair Kit, Consisting of Rubber Plunger, Seal, Valve, Washer and Spring. Specify Fig. 467-99B.

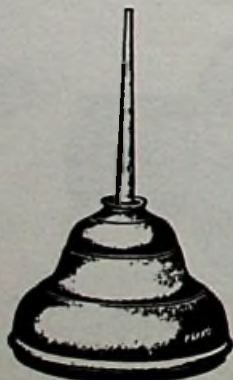


Fig. 326

ZINC MARINE OILERS—Fig. 326

Spring Brass Bottom

Complete Each	Capacity Ounces	Diam. Inches	Length Spout Inches	Weight Per Dozen Pounds
	8	4	4	3-1/2

Standard Package, 10 Pieces. Minimum Quantity.

Spare Spouts, Specify Fig. 326-99 A.

SMALL BOAT DRAINER – Fig. 386

Threaded Type – Cast Bronze

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

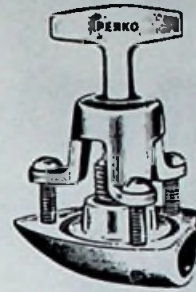


Fig. 386

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



COCKPIT SCUPPER—Fig. 142

Cast Bronze – With Rubber Ball Back Water Check

Especially needed in sailboats when outlet is below the waterline. With key for removing cap.

Angle of outlet is 45 degrees.

No.	Plain Each	Chromium Plated Each	For Diam. Hose Inches	Diameter Flange Inches	Diameter Grate Inches	Weight Pounds
1			1	3-1/4	1-13/16	1-1/4
2			1-1/2	3-3/4	2-1/4	2

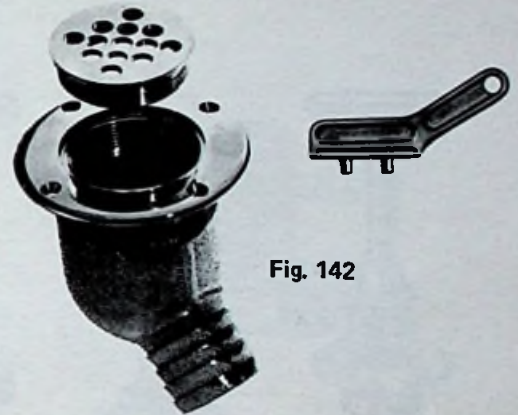


Fig. 142

Spare Caps, Specify Fig. 142-99A Size and Finish
Spare Ball Checks, Specify Fig. 142-99 B and Size
Spare Keys, See Fig. 1248 No. 8



JUNIOR STRAINER – Fig. 709

Cast Bronze – For 5/8 Inch Hose

Each	Length Overall Inches	Width Inches	Weight Ounces
	3-5/8	1-3/4	6



Fig. 709

Standard Package, 5 Pieces.



NAVY PUMP STRAINERS

Figs. 704, 705, 721 & 722

Cast Bronze

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



Fig. 704



Fig. 705



Fig. 721



Fig. 722



Fig. 414

TRANSOM DRAIN PLUGS – Fig. 414
Brass – Expanding Plug with Safety Chain

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

Standard Package, 10 Pieces

Spare Plugs with Chain, Specify Fig. 414-99A.
 Spare Tubes, Specify Fig. 414-99B and Size.

Fig. 414 SP



SKIN PACK – Fig. 414-SP

Size No.1
 One Plug and Tube Per Card,
 Twelve Cards Per Box,
 Weight Per Box, 4 Pounds

Sold To Trade In Full Box Only.

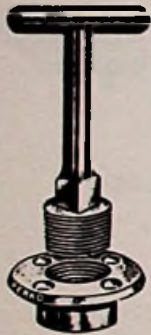


Fig. 263



Fig. 363



Fig. 266

GARBOARD DRAIN PLUGS – Figs. 263, 363 & 266
 Cast Bronze

Figs. 263 and 266

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

Fig. 363

For plywood, fibreglass or metal hulls.

No.	Each	Pipe Size Inches	Diam. Flange Inches	Length Threaded Neck Inches	Max. Hull Thickness Inches	Weight Ounces
3		3/4	2-3/8	1-1/4	3/4	14-1/2

Standard Package, 5 Pieces

Spare Plugs, Specify Fig. 370.



Fig. 714 No. 1



Fig. 737 No. 1



Fig. 714 No. 2



Fig. 737 No. 2

GARBOARD DRAIN PLUGS – Figs. 714 & 737

Pressure Cast Bronze

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

Fig.	No.	Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
714	1		1/2	2	5/8	3
714	2		1/2	2	5/8	4
737	1		1/2	2	5/8	6
737	2		1/2	2	5/8	7

Standard Package, 5 Pieces

Spare Plugs For Figs. 714 and 737

Specify Fig. 742 and Size.

GARBOARD DRAIN PLUGS – Fig. 124

Cast Bronze – With Wrench

A few of these drain plugs installed in garboard allows quick drainage of boat when hauled out. Threads are tapered pipe sizes and plugs are watertight.

Each	Pipe Size Inches	Diam. Flange Inches	Depth Inches	Weight Ounces
	1	3-1/8	1	10

Spare Wrench, Specify Fig. 124-99A.

Spare Plugs, Specify Fig. 124-99B.

Standard Package, 5 Pieces

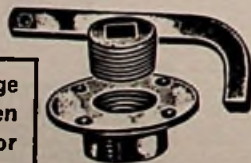


Fig. 124



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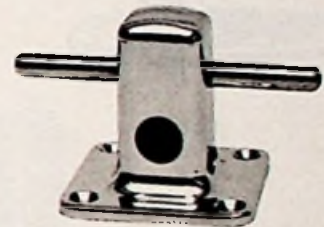
**deck
equipment**

cleats & chocks

**chromalex
deck fittings**

bow eyes

**transom handles
pulleys, etc.**



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"SLIMLINE" CLEATS – Fig. 1252



Fig. 1252

Fig. 1252 – Die Cast Zinc Alloy – Chromium Plated

Length Inches	Base Dimensions Inches	For Diam. Rope Inches	For Screw	Standard Package	Weight Ounces
6-1/2	3 x 1-1/8	3/4	1/4"	5	7

Each

STREAMLINE CLEATS – Fig. 566



Fig. 566

Die Cast Zinc Alloy – Chromium Plated

Length Inches	Each	Size Base Inches	For Diam. Rope Inches	For Screw No.	Standard Package	Weight Ounces
2		2-3/16x1-1/8	5/16	6	10	1-1/2
3		3-1/8 x1-1/2	3/8	8	10	4-1/2
4-1/2		4-7/16x1-7/8	1/2	10	10	8-1/2
6		5-1/2 x2	3/4	12	5	13-1/2

SKIN PACK – Fig. 566-SP



Fig. 566 SP

Length Inches	Units Per Card	Cards Per Box	Weight Per Box Pounds
2	1 Pr.	12 Prs.	3-1/2
3	1 Pr.	12 Prs.	5-1/2
4-1/2	1 Pr.	6 Prs.	8-1/2
6	1 Ea.	12 Pcs.	13

Sold To Trade In Full Box Only

HAWSE HOLE PLATE—Fig. 752

Cast Bronze

Generally used in the covering board or gunwale deck for passing a dock line to a cleat under the deck.



Fig. 752

Plain Bronze Each	Chromium Plated Each	Dimensions Overall Inches	Dimensions Inside Inches	Length Spigot Inches	Weight Pounds
		4-1/4x6-1/4	2-1/16x4	1-1/16	1-1/4

YACHT CLEATS

Fig. 572 – Cast Bronze – Chromium Plated

Length Inches	Each	For Screw No.	Standard Package	Weight Pounds
4-1/2		10	10	1/2
5-1/2		10	10	5/8
6-1/2		12	10	3/4
*8		1/4"	5	1-1/4
*10		5/16"	1	2
*12		5/16"	1	3

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



**Fig. 572 – Bronze
Fig. 1188 – Die Cast**

Fig. 1188 – Die Cast Zinc Alloy – Chromium Plated

Length Inches	Each	Width Base Inches	For Screw No.	Standard Package	Weight Ounces
4		1-5/8	10	10	3-1/2
6		1-3/4	10	10	7-1/2
8		2	1/4"	5	12

SKIN PACK – Fig. 1188-SP

Length Inches	Units Per Card	Cards Per Box	Weight Per Box Pounds
4	1 Pr.	6 Prs.	5
6	1 Ea.	6 Pcs.	4

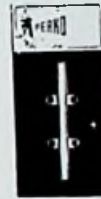


Fig. 1188-SP

Sold To Trade In Full Box Only

YACHT CLEATS WITH STUDS – Fig. 1210

Die Cast Zinc Alloy – Chromium Plated

Length Inches	Each	Width of Base Inches	Size Stud	Standard Package	Weight Ounces
4		1-5/8	12-24 x 2	10	4
6		1-3/4	1/4-20 x 2	10	8
8		2	1/4-20 x 2	5	12-1/2

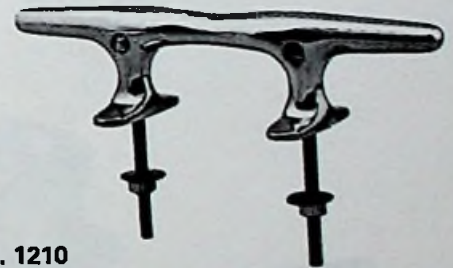


Fig. 1210

SHIP'S CLEATS – Fig. 530

Cast Aluminum – Plain Finish

Length Inches	Each	Size of Base Inches	Holes for Diam. Bolts Inches	Weight Pounds
8		4 x 2-1/4	1/2	1-1/8
10		4-1/2 x 3	1/2	1-3/4
12		6-1/2 x 2-7/8	5/8	3-1/2
15		7 x 3-1/4	3/4	4-7/8



Fig. 530

BOAT CLEATS—Fig. 544

Cast Bronze — Polished or Chromium Plated

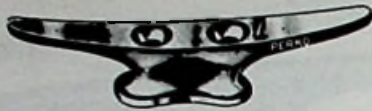


Fig. 544



Length Inches	Polished Bronze Each	Chrome Plated Each	Size Base Inches	For Screw No.	Standard Package	Weight Pounds
• 3			1-1/2x5/8	8	10	1/8
• 4			1-5/8x3/4	10	10	1/4
• 5			2 x7/8	1/4"	10	3/8
• 6			2-1/4x7/8	1/4"	5	1-5/8
8			2-5/8x1-1/8	1/4"	1	2
10			3-5/8x1-1/2	5/16"	1	

*These sizes are solid base type.

Balance of sizes are open base type.



SKIN PACK — Fig. 544-SP

Length Overall 4" — Chromium Plated
 One Cleat Per Card,
 Six Cards Per Box,
 Weight Per Box, 2½ Pounds.



Fig. 544-SP

Sold To Trade In Full Box Only



BOAT CLEATS — Fig. 545

Pressure Cast Aluminum — Plain Finish



Fig. 545



Length Inches	Each	Size Base Inches	For Screw No.	Standard Package	Weight Ounces
• 3		1-1/2x5/8	8	10	1-1/2
• 4		1-5/8x3/4	10	10	2
• 5		2 x7/8	1/4"	10	3
• 6		2-1/4x7/8	1/4"	10	4
8		2-5/8x1-1/8	1/4"	10	5
10		3-5/8x1-1/2	5/16"	5	9
12		4 x1-1/2	5/16"	5	14

*These sizes are solid base type.

Balance of sizes are open base type.

MOORING BITTS— Figs. 608 & 1219

Fig. 608 is Cast Bronze, Chromium Plated
 Fig. 1219 is Die Cast Zinc Alloy, Chromium Plated

No.	Fig. 608 Each	Fig. 1219 Each	Size Base Inches	Height Inches	For Bolt Size	Weight Pounds
1		N.A.	3 x3	2-1/2	10	7/8
2		N.A.	4-1/4x4-1/4	3-1/2	1/4"	1-7/8
2-1/2			5 x5	4-3/4	3/8"	3-1/2
3		N.A.	6 x6	5	3/8"	4-1/2



COMBINATION BITT AND ROPE DECK PIPES—

Figs. 431 & 1237

Same as Above. Hollow Body is Drilled to Allow Passage of Line Below Deck.

No.	Fig. 431 Each	Fig. 1237 Each	For Diam. Rope Inches	Weight Pounds
2		N.A.	3/4	1-3/4
2-1/2			1	3-1/4
3		N.A.	1	4



ROPE AND CHAIN DECK PIPE—Fig. 750

For Lightweight Anchors Using Chain —
 Cast Bronze — Chromium Plated

When lightweight anchors are used a short length of chain is generally shackled to the rope line.

This deck pipe will accommodate 3/4 inch line on a thimble, the shackle and 1/4 inch chain. It has a hook for hanging the chain, the weight of which holds the cover down.

Each	Dimensions of Flange Inches	Dimensions Inside Inches	Height Inches	Weight Pounds
	5-1/4x4	3-3/4x2-1/2	1-3/8	2

Spare Cover With Hook and Safety Cord, Fig. 750-99 A.



ROPE DECK PIPE—Fig. 757

Die Cast Zinc Alloy — Chromium Plated
 With Hinged Cover

Each	For Diam. Rope Inches	Inside Diameter Inches	Diameter Flange Inches	Weight Pounds
	1	1-3/4	3-3/8	1/2



ROPE DECK PIPES—Fig. 741

Chromium Plated

Size No. 0 is Pressure Cast Bronze
 Size No. 1 is Cast Bronze

No.	Each	For Diam. Rope Inches	Inside Diam. Inches	Diam. Flange Inches	For Screw No.	Weight Pounds
0		5/8	1-1/4	3	8	3/4
1		3/4 & 1	1-5/8	4-1/4	8	1-5/8

Spare caps with Chain, Fig. 741-0-99A; Fig. 741-1-99A.

Fig. 608 Bronze
 Fig. 1219 Die Cast

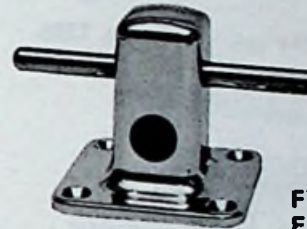


Fig. 431 — Bronze
 Fig. 1237 — Die Cast



Fig. 750



Fig. 757



Fig. 741

"CHROMALEX® MARK I" DECK FITTINGS
PATENT NO. 3,828,714
DIE CAST ZINC ALLOY BODIES – POLISHED CHROMIUM PLATED
BLACK BASES OF TOUGH HIGH IMPACT PLASTIC



Fig. 1305

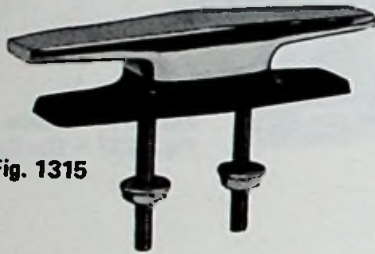


Fig. 1315



Fig. 1305-SP



Fig. 1306



Fig. 1316



Fig. 1306-SP

CLOSED BASE CLEATS—Figs. 1305 & 1315

Fig. 1305 For Screws or Bolts

Fig. 1315 With Studs, Nuts and Washers

No.	Fig. 1305 Each	Fig. 1315 Each	Length Overall Inches	Base Inches	For Diam. Rope Inches	Weight Ounces
1			4-1/2	3-3/4x1-1/16	3/8	5-1/2
2			6	5 x1-3/8	1/2	11

O.E.M. Package, Fig. 1315 No. 2, 40 pieces. Balance, 50 Pieces.

Fig. 1305 No. 1 for No. 10 Screws.

Fig. 1305 No. 2 for 1/4" Screws.

Fig. 1315 No. 1 Stud is 12-24" x 1-1/2" below base.

Fig. 1315 No. 2 Stud is 1/4" x 1-1/2" below base.

SKIN PACK – Fig. 1305-SP

No.	Per Pair	Length Inches	Units Per Card	Card Per Box	Weight Per Box Pounds
No. 1		4-1/2	1 Pr.	6 Pr.	4
No. 2		6	1 Ea.	6 Ea.	4

Sold To Trade In Full Box Only.

OPEN BASE CLEATS—Figs. 1306 & 1316

Fig. 1306 For Screws or Bolts

Fig. 1316 With Studs, Nuts and Washers

No.	Fig. 1306 Each	Fig. 1316 Each	Length Overall Inches	Base Inches	For Diam. Rope Inches	Weight Ounces
1			4-1/2	2-1/2x1-1/16	3/8	5
2			6	3-1/4x1-3/8	1/2	10-1/2

O.E.M. Package, Fig. 1316 No. 2, 40 pieces. Balance, 50 Pieces.

Fig. 1306 No. 1 for No. 10 Screws

Fig. 1306 No. 2 for 1/4" Screws.

Fig. 1316 No.1 Stud is 12-24" x 1-1/2" below base.

Fig. 1316 No. 2 Stud is 1/4" x 1-1/2" below base.

SKIN PACK – Fig. 1306-SP

No.	Per Pair	Length Inches	Units Per Card	Cards Per Box	Weight Per Box Pounds
No. 1		4-1/2	1 Pr.	6 Pr.	4
No. 2		6	1 Ea.	6 Ea.	4

Sold To Trade In Full Box Only.

"CHROMALEX® MARK II" DECK FITTINGS
 PATENT NO. 3,828,714
DIE CAST ZINC ALLOY BODIES – CHROMIUM PLATED
BLACK PLASTIC BASES AND TOP INSERTS FOR ACCENT

CLOSED BASE CLEATS – Fig. 1405

For Screws or Bolts.

No.	Length Overall Inches	Base Inches	For Rope Inches	For Screw No.	Weight Ounces
1	4-1/2	3-3/4x1-1/16	3/8	10	5-1/2
2	6	5 x1-3/8	1/2	1/4"	11



Fig. 1405

O.E.M. Package, 50 Pieces.



CLOSED BASE CLEATS – Fig. 1415

With Studs, Nuts and Washers.

No.	Length Overall Inches	Base Inches	For Rope Inches	Stud Size	Weight Ounces
1	4-1/2	3-3/4x1-1/16	3/8	12-24x1-1/2	5-1/2
2	6	5 x1-3/8	1/2	1/4-20x1-1/2	11



Fig. 1415

O.E.M. Package, Size No. 1 - 50 Pieces, Size No. 2 - 40 Pieces.



OPEN BASE CLEATS – Fig. 1406

For Screws or Bolts.

No.	Length Overall Inches	Base Inches	For Rope Inches	For Screw No.	Weight Ounces
1	4-1/2	2-1/2x1-1/16	3/8	10	5
2	6	3-1/4x1-3/8	1/2	1/4"	10
3	8	3-7/8x1-1/2	3/4	1/4"	12



Fig. 1406

O.E.M. Package, 50 Pieces



OPEN BASE CLEATS – Fig. 1416

With Studs, Nuts and Washers.

No.	Length Overall Inches	Base Inches	For Rope Inches	Stud Size	Weight Ounces
1	4-1/2	2-1/2x1-1/16	3/8	12-24x1-1/2	5
2	6	3-1/4x1-3/8	1/2	1/4-20x1-1/2	10-1/2
3	8	3-7/8x1-1/2	3/4	1/4-20x1-1/2	12



Fig. 1416

O.E.M. Package, Size No. 1 - 50 Pieces, Size No. 2 - 40 Pieces,
 Size No. 3 - 30 Pieces

See Section "M" For Our "Chromalex®" III Teak Deck Fittings
 Also, Section "L" For "Chromalex®" III Deck Fittings Available in Skin Pack.

"CHROMALEX® MARK I" DECK FITTINGS
PATENT NO. 3,828,714
DIE CAST ZINC ALLOY BODIES – POLISHED CHROMIUM PLATED
BLACK BASES OF TOUGH HIGH IMPACT PLASTIC



Fig. 1307



Fig. 1317



Fig. 1307 SP



Fig. 1308



Fig. 1318



Fig. 1308 SP

SKENE TYPE CHOCKS—Figs. 1307 & 1317

Fig. 1307 For Screws or Bolts

Fig. 1317 With Studs, Nuts and Washers

No.	Fig. 1307 Per Pair	Fig. 1317 Per Pair	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	Weight Per Pair Ounces
1			3-1/2	7/8	3/8	5
2			5	1-1/4	1/2	12

O.E.M. Package, Fig. 1307 No. 1, 50 pairs. Balance, 25 pairs.

Fig. 1307 N. 1 for No. 10 Screws.

Fig. 1307 No. 2 for 1/4" Screws.

Fig. 1317 No. 1 Stud is 12-24"x 1-3/4" below base.

Fig. 1317 No. 2 Stud is 1/4"x 1-3/4" below base.

SKIN PACK – Fig. 1307-SP

No.	Per Pair	Length Overall Inches	Units Per Card	Cards Per Box	Weight Per Box Pounds
1		3-1/2	1 Pr.	12 Pr.	3-1/2
2		5	1 Pr.	6 Pr.	4

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STRAIGHT TYPE CHOCKS—Figs. 1308 & 1318

Fig. 1308 For Screws or Bolts

Fig. 1318 With Studs, Nuts and Washers

No.	Fig. 1308 Per Pair	Fig. 1318 Per Pair	Length Overall Inches	Width Base Inches	For Diam. Rope Inches	Weight Per Pair Ounces
1			3-1/2	7/8	3/8	5
2			5	1-1/4	1/2	12

O.E.M. Package, Fig. 1308 No. 1, 50 Pairs.
 Balance, 25 Pairs.

Fig. 1308 No. 1 for No. 10 Screws.

Fig. 1308 No. 2 for 1/4" Screws.

Fig. 1318 No. 1 Stud is 12-24"x 1-3/4" below base.

Fig. 1318 No. 2 Stud is 1/4"x 1-3/4" below base.

SKIN PACK – Fig. 1308-SP

No.	Per Pair	Length Overall Inches	Units Per Card	Cards Per Box	Weight Per Box Pounds
1		3-1/2	1 Pr.	12 Pr.	3-1/2
2		5	1 Pr.	6 Pr.	4

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"CHROMALEX® MARK II" DECK FITTINGS

PATENT NO. 3,828,714

DIE CAST ZINC ALLOY BODIES – CHROMIUM PLATED
BLACK PLASTIC BASES AND TOP INSERTS FOR ACCENT

SKENE TYPE CHOCKS – Fig. 1407

For Screws or Bolts.

No.	Length Overall Inches	Width Base Inches	For Rope Inches	For Screw No.	Weight Per Pair Ounces
1	3-1/2	7/8	3/8	10	5
2	5	1-1/4	1/2	1/4"	12



Fig. 1407

O.E.M. Package, 50 Pair.

SKENE TYPE CHOCKS – Fig. 1417

With Studs, Nuts and Washers.

No.	Length Overall Inches	Width Base Inches	For Rope Inches	Stud Size	Weight Per Pair Ounces
1	3-1/2	7/8	3/8	12-24x1-3/4	5
2	5	1-1/4	1/2	1/4-20x1-3/4	12



Fig. 1417

O.E.M. Package, Size No. 1 - 50 Pair, Size No. 2 - 25 Pair.

STRAIGHT TYPE CHOCKS – Fig. 1408

For Screws or Bolts.

No.	Length Overall Inches	Width Base Inches	For Rope Inches	For Screw No.	Weight Per Pair Ounces
1	3-1/2	7/8	3/8	10	5
2	5	1-1/4	1/2	1/4"	12



Fig. 1408

O.E.M. Package, 50 Pair.

STRAIGHT TYPE CHOCKS – Fig. 1418

With Studs, Nuts and Washers.

No.	Length Overall Inches	Width Base Inches	For Rope Inches	Stud Size	Weight Per Pair Ounces
1	3-1/2	7/8	3/8	12-24x1-3/4	5
2	5	1-1/4	1/2	1/4-20x1-3/4	12



Fig. 1418

O.E.M. Package, Size No. 1 - 50 Pair, Size No. 2 - 25 Pair.



Fig. 1223

SKENE BOW CHOCKS—Fig. 1223

Die Cast Zinc Alloy — Chromium Plated

Per Pair	Length Overall Inches	Width Inches	For Diam. Rope Inches	For Screw No.	Weight Per Pair Ounces
	3-1/2	7/8	1/2	8	4

Standard Package, 10 Pairs.



SKIN PACK — Fig. 1223-SP

One Pair Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 4½ Pounds.

Sold To Trade In Full Box Only.



MODERN DESIGN BOW CHOCKS WITH STUDS—Fig. 1257

Die Cast Zinc Alloy — Chromium Plated

Studs are 12/24 x 1-5/8" long — with nuts and washers

Per Pair	Length Overall Inches	Width Inches	For Diam. Rope Inches	For Screw No.	Weight Per Pair Ounces
	4	15/16	1/2	8	9

Standard Package, 10 Pairs.
 O.E.M. Package, 40 Pairs.



BOW CHOCKS—Fig. 546

Cast Bronze — Chromium Plated

Lgth. Inches	Per Pair	Width Inches	For Diam. Rope Inches	For Screw No.	Standard Package	Wt. Per Pair Lbs.
3		5/8	3/8	8	5 Pr.	1/4
4		3/4	5/8	10	5 Pr.	1/2
5		7/8	7/8	10	5 Pr.	1
6	1		1	14	1 Pr.	1-1/2
8		1-1/4	1-1/8	14	1 Pr.	3



SKIN PACK — Fig. 546-SP

Length Inches 4 — Chromium Plated

One Pair Per Card.
 Six Cards Per Box.
 Weight Per Box, 4 Pounds.

Sold To Trade In Full Box Only.



Fig. 1223-SP



Fig. 1257

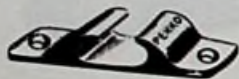


Fig. 546



Fig. 546-SP

SKENE BOW CHOCKS—Fig. 160

Cast Bronze – Chromium Plated

Size No.	Per Pair	Length Inches	Width Inches	For Diam. Rope Inches	Standard Package	Weight Per Pair Pounds
1		4-1/2	3/4	5/8	5 Pr.	3/4
2		5-1/8	1-1/8	3/4	5 Pr.	1-1/2
3		7-1/4	1-3/8	7/8	1 Pr.	4



Fig. 160



SKENE STERN CHOCKS—Fig. 161

Cast Bronze – Chromium Plated

Size No.	Each	Length Inches	Width Inches	For Diam. Rope Inches	Standard Package	Weight Each Pounds
11		4	7/8	5/8	5	1/2
12		5-3/4	1-1/4	3/4	5	1
13		7	1-5/8	7/8	1	2



Fig. 161



STRAIGHT STERN CHOCKS—Fig. 119

Cast Bronze – Chromium Plated

Length Inches	Each	Width Inches	For Diam. Rope Inches	For Screw No.	Standard Package	Wt. Each Lbs.
4		7/8	3/4	8	5	1/4
5		1	7/8	10	5	1/2
6		1-1/8	1	12	1	3/4
8		1-5/8	1-1/8	14	1	1-1/2



Fig. 119



SKIN PACK – Fig. 119-SP

Length Inches 4 – Chromium Plated

One Per Card.

Six Cards Per Box.

Weight Per Box, 2½ Pounds.

Sold To Trade In Full Box Only.



Fig. 119-SP



STRAIGHT CHOCK – Fig. 1230

Die Cast Zinc Alloy – Chromium Plated

Length Inches	Per	Width Inches	For Diameter Rope Inches	For Screw Number	Standard Package	Per Pair Weight Ounces
4		7/8	3/4	8	5 Pr	6



Fig. 1230



NOTE: THE BOW EYES & TRANSOM EYES ILLUSTRATED ON THIS PAGE ARE NOT DESIGNED TO BEAR THE WEIGHT OF THE VESSEL AND THEREFORE SHOULD NOT BE USED FOR LIFTING.

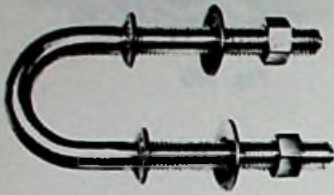


Fig. 237

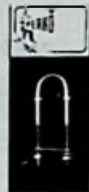


Fig. 237-SP

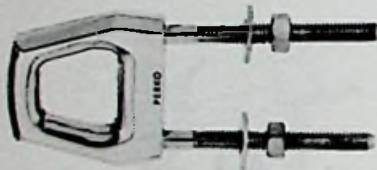


Fig. 1235

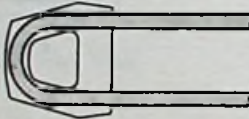


Fig. 1235-SP

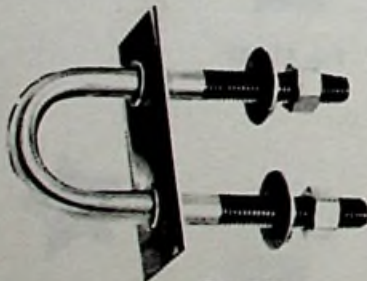


Fig. 236

BOW EYES—Fig. 237

300 Series Non-Magnetic Stainless Steel

No.	Each	Length Shank Inches	Diameter Metal Inches	Length Thread Inches	Inside Eye Inches	Weight Ounces	Safe Working Load Pounds
1		3	5/16	3	1	4	1800
2		6	5/16	6	1	5-1/2	1800
3		3	3/8	3	1-1/8	5	3000
4		3-1/4	1/2	3-1/4	1-1/2	12	4600

Standard Package, Nos.1 thru 3, 10 Pieces. No. 4, 5 Pieces.

SKIN PACK — Fig. 237-SP

Length Shank 3 Inches

One Per Card.

Six Cards Per Box.

Weight Per Box, 2 Pounds.

Sold to Trade In Full Box Only.

BOW EYES—Fig. 1235

Die Cast Zinc Alloy — Chromium Plated — Forged Steel Shanks, Nut and Washer — Shanks Are One Continuous "U" Bolt Cast Inside Eye.

Each	Length Shank Inches	Length Thread Inches	Diameter Shank Inches	Inside Eye Inches	Standard Package	Weight Ounces
	3	2-3/4	3/8	1	10	11

O.E.M. Package, 50.

SAFE WORKING LOAD 2000 POUNDS

SKIN PACK — Fig. 1235-SP

One Per Card.

Six Cards Per Box.

Weight Per Box, 4 1/4 Pounds.

Sold To Trade In Full Box Only.

TRANSOM EYES—Fig. 236

300 Series Non-Magnetic Stainless Steel

For use as towing or lashing eye, has heavy gauge stainless steel finishing plate, stainless steel nuts and washers.

No.	Each	Diameter Metal Inches	Length Shank Inches	Inside Eye Inches	Dimensions Plate Inches	Weight Ounces	Safe Working Load Pounds
1		5/16	3	1	3 x 1-3/4	6	1800
3		3/8	3	1-1/8	3 x 1-3/4	10	3000
4		1/2	3 1/4	1-1/2	4 x 1-3/4	14-1/2	4600

Standard Package, No. 1 — 10 Pieces. Balance 5 Pieces.

IMPORTANT NOTE

THE SAFE WORKING LOAD INFORMATION GIVEN FOR THE ITEMS ABOVE IS BASED ON A STRAIGHT AXIAL PULL. THIS INFORMATION WOULD NOT APPLY IN CASES WHERE INSTALLATION OR USE CREATES ANGULAR LOADING SINCE THESE VARIATIONS MAKE IT IMPRACTICABLE TO OFFER ACCURATE TEST DATA.

WATER SKI TOWING HOOK—Fig. 863

For Mounting Through Transom — Die Cast Zinc Alloy Hook
— Steel Bolt — All Chromium Plated.

Designed for both strength and looks. Polished chromium plated hook provides a good looking fitting and the steel core provides the necessary strength for enjoyable skiing.

Each	Length Overall Inches	Diameter Bolt Inches	Length Bolt Inches	Length Thread Inches	Standard Package	Weight Ounces
	6	5/16	3-1/4	2-1/2	5	10

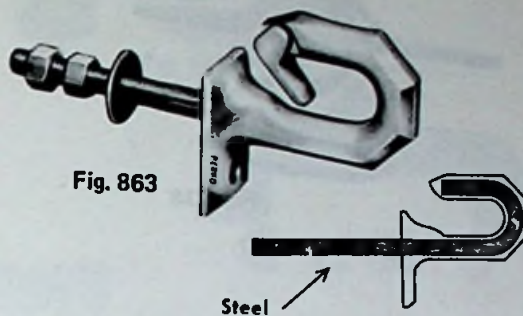


Fig. 863

Steel

SKIN PACK — Fig. 863-SP

One Per Card.

Six Cards Per Box.

Weight Per Box, 3 3/4 Pounds.

Sold To Trade In Full Box Only.

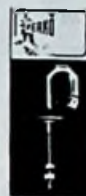


Fig. 863-SP

LASHING EYES—Fig. 423

Cast Manganese Bronze — Chromium Plated

No.	Each	Size Plate Inches	Size Eye Inches	Size Bolt Inches	Weight Ounces
1		4x2-1/2	1	1/4	8
2		5x3-1/8	1-1/2x1	5/16	14-1/2

Standard Package, 5 Pieces.



Fig. 423

RINGS — Fig. 417

Brass

No.	Inside Diam. Inches	Thick-ness Inches	Each	No.	Inside Diam. Inches	Thick-ness Inches	Each
1	1/2	1/8	Standard Package 10	4	1-1/4	3/16	Standard Package 5
2	3/4	1/8		5	1-1/2	7/32	
3	1	3/16		6	1-3/4	1/4	
				7	2	1/4	



Fig. 417

RING ON PLATE—Fig. 607

Galvanized Drop Forged Steel

No.	Each	Size Ring Inches	Size Plate Inches	Standard Package	Weight Per 100 Pounds
1		5/16x1-1/2	2-1/8x2-1/8x1/4	5	33
2		3/8 x2	2-1/8x2-1/8x1/4	5	50



Fig. 607

RINGS WITH STRAPS—Fig. 1020

Cast Bronze

Plain Bronze Each	Chromium Plated Each	Size Strap Inches	For Screw No.	Standard Package	Weight Ounces
		4-1/8x5/8	8	5	4-1/2



Fig. 1020



Fig. 434

LIFTING EYE AND CLEAT—Fig. 434

Cast Manganese Bronze — Chromium Plated
For 5/8 Inch Rod

SAFE WORKING LOAD 4000 POUNDS

Each	I.D. Eye Inches	Length Cleat Inches	Dimensions Base Inches	Weight Ounces
	1-1/16	5-1/2	3x2-1/2	18



LIFTING EYES—Figs. 429 & 430

Cast Manganese Bronze — Chromium Plated

SAFE WORKING LOAD 3000 POUNDS



Fig. 430
LOOSE FLANGE



Fig. 429
INTEGRAL FLANGE

Fig.	Each	For Rod Inches	I.D. Eye Inches	O.D. Eye Inches	Weight Ounces
429		5/8	1-1/2	2-1/4	19
430		5/8	1-1/2	2-1/4	17

IMPORTANT NOTE

THE SAFE WORKING LOAD INFORMATION GIVEN FOR THE ITEMS ABOVE IS BASED ON A STRAIGHT AXIAL PULL. THIS INFORMATION WOULD NOT APPLY IN CASES WHERE INSTALLATION OR USE CREATES ANGULAR LOADING SINCE THESE VARIATIONS MAKE IT IMPRACTICABLE TO OFFER ACCURATE TEST DATA.



Fig. 1234

HANDLE—Fig. 1234

Die Cast Zinc Alloy — Chromium Plated

Chromium Plated Each	Length Overall Inches	Height Above Deck Inches	For Screw No.	Standard Package	Weight Ounces
	6-1/2	2	8	10	5-1/2



Fig. 933

ANCHOR CHOCKS—Fig. 933

Cast Bronze

Consists of four parts illustrated. Head of shank is held fast by slotted casting and thumb screw.

Figure

- 933 — Complete, per set
- 933-99A — Shank support only, ea.
- 933-99B — Fluke supports only, pair
- 933-99C — Crown support only, ea.
- 1144 — Thumb screw, ea.

No. 1		No. 2	
Plain Bronze	Plain Chromium Plated	Plain Bronze	Plain Chromium Plated

Be Sure To Specify Size and Finish.

Weight per set, 2 pounds.

No. 2 size for anchors 30 lbs. and larger.

Standard package, No. 1 - 5 sets, No. 2 - 5 sets

CHROMALEX® HANDLES – Figs. 1336 & 1346

Die Cast Zinc Alloy – Chromium Plated Tops
Black Plastic Bases.

Fig. 1336 for 1/4" Screws

Fig. 1346 with Studs, Nuts and Washers

Fig. 1336 Each	Fig. 1346 Each	Length Overall Inches	Length Inside Inches	Width Overall Inches	Stud Size	Weight Ounces
		6-1/4	3-1/2	1-1/4	1/4-20x1-1/2	10



Fig. 1336

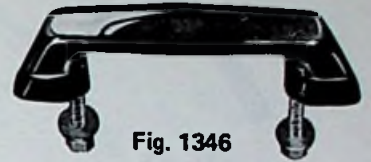


Fig. 1346



Fig. 1336-SP

★
SKIN PACK – Fig. 1336-SP

One Pair Per Card.

Six Cards Per Box.

Weight Per Box, 7 Pounds.

Sold To Trade In Full Box Only.

★
HANDLE—Fig. 1229

Die Cast Zinc Alloy – Chromium Plated

Chromium Plated Each	Length Overall Inches	Length Inside Inches	For Screw No.	Standard Package	Weight Ounces
	5-1/4	3-1/2	6	10	2-1/4



Fig. 1229

★
ROUND GRIP HANDLE—Fig. 1231

Die Cast Zinc Alloy – Chromium Plated

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.	Standard Package	Weight Ounces
	6	3-1/2	1-5/16	1/4"	10	7-1/4

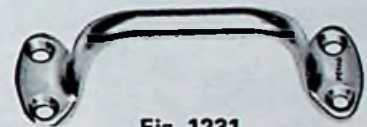


Fig. 1231

★
SKIN PACK – Fig. 1231-SP

One Pair Per Card.

Six Cards Per Box.

Weight Per Box, 6 3/4 Pounds.

Sold To Trade In Full Box Only.



Fig. 1231-SP

★
HANDLES—Fig. 775 & 1222

Pressure Cast Bronze Or Die Cast Zinc Alloy

Fig. No.	Chrome Plated Each	Length Overall Inches	Length Inside Inches	For Screw No.	Wt. Ozs.
775 1		4-1/4	2-5/8	6	2
775 2		5-3/4	3-3/4	8	4
1222		5-3/4	3-3/4	8	3-1/2



Fig. 775 – Bronze
Fig. 1222 – Die Cast

Standard Package, 10 Pieces Each Size.

★
SKIN PACK – Fig. 775-SP

Length Overall 5 3/4 Inches.

One Pair Per Card.

Six Cards Per Box.

Weight Per Box, 4 Pounds.

Sold To Trade In Full Box Only.

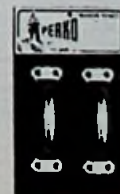


Fig. 775-SP

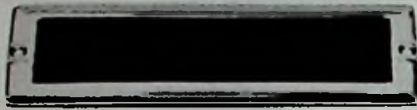


Fig. 1325

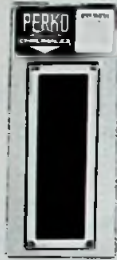


Fig. 1325-SP



Fig. 1225



Fig. 1225-SP

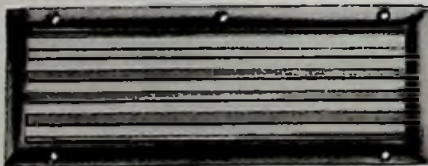


Fig. 1043

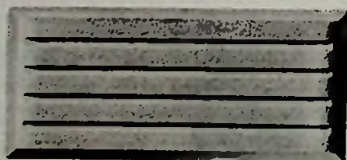


Fig. 1050-B – Black
Fig. 1050-T – Teak
Fig. 1050-W – White

"CHROMALEX®" STEP PLATES – Fig. 1325

Die Cast Zinc Alloy Frames – Chromium Plated
Molded Black Plastic Non-Skid Pads

No.	Each	Overall Dimensions Inches	For Screw No.	Standard Package	Weight Ounces
0		8-3/8x2-1/4	8	10	5
1		8-3/4x3-1/4	8	10	8

See Section "M" For Our "Chromalex®" III Step Plates

SKIN PACK – Fig. 1325-SP

No.	Per Pair	Dimensions Overall Inches	Units Per Card	Cards Per Box	Weight Per Box Pounds
0		8-3/8x2-1/4	1 Pr.	6	6
1		8-3/4x3-1/4	1 Pr.	6	9-1/2

See Section "L" For Our "Chromalex®" III Skin Pack Step Plates

Sold To Trade In Full Box Only.

STEP PLATES—Fig. 1225

Die Cast Zinc Alloy Frames – Chromium Plated
Molded White Plastic Non-Skid Pads

No.	Complete Each	Dimensions Overall Inches	For Screw No.	Standard Package	Weight Ounces
0		8-3/8x2-1/4	8	10	5
1		8-3/4x3-1/4	8	10	8
2		11-1/2x5-3/4	8	10	12

SKIN PACK – Fig. 1225-SP

No.	Per Pair	Dimensions Overall Inches	Units Per Card	Cards Per Box	Weight Per Box Pounds
0		8-3/8x2-1/4	1 Pr.	6	6
1		8-3/4x3-1/4	1 Pr.	6	9-1/2

STEP PLATES—Fig. 1043

Cast Bronze Frames – Chromium Plated
Molded White Plastic Non-Skid Pads

No.	Complete Each	Overall Dimensions Inches	For Screw No.	Standard Package	Weight Pounds
0		8 x2-1/4	4	6	1/2
1		8-3/4x3-1/4	6	6	3/4
2		11-1/2x5-3/4	8	6	1-3/4

STEP PADS ONLY

Molded Plastic, Non-Skid Design

Fig. 1050-B Black

Fig. 1050-T Teak

Fig. 1050-W White

Without Frames – For Figs. 1043, 1225, 1325 & 1525

Fig. 1050-B No.	Fig. 1050-T No.	Fig. 1050-W No.	Overall Dimensions Inches	Standard Package	Weight Ounces
0	0	0	7-3/8x1-1/2	5	1
1	1	1	7-7/8x2-1/2	5	2
		2	10-5/8x4-3/4	5	4

LADDER HOOKS—Fig. 717
For Folding Boarding Ladders
Cast Bronze – Chromium Plated

A Inches	B Inches	C Inches	Length Curved Arm Inches	Size Plate Inches	Weight Per Set Pounds
6-1/8	4	2-1/2	7	2-1/2x3-1/4	2-1/2

Fig. 717 Complete, Per Set.
Fig. 717-99A Spare Plates, Per Pair.
Fig. 717-99B Spare Arms, Per Pair.

A Set Consists of Four Pieces Illustrated.

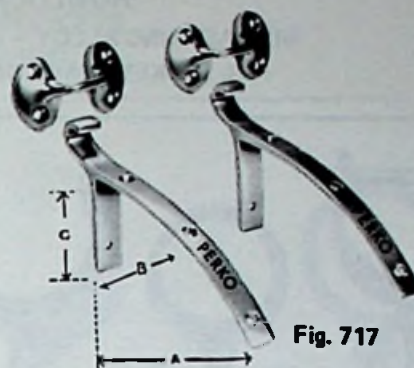


Fig. 717

LADDER LOCKS—Fig. 669
For Companionway or Upper Berth – Pressure Cast
Bronze – Chromium Plated

Height Inches	Length Socket Inches	Length Bracket Inches	Weight Per Set Ounces
1-1/4	1	1-3/4	12

Fig. 669 Complete, Per Set.
Fig. 669-99A Spare Sockets, Per Pair.

A Set Consists of Four Pieces Illustrated.
Standard Package, 5 Sets.



Fig. 669

FOLDING STEP—Fig. 344
Cast Bronze – Stainless Steel Spring

For mounting on hull or transom, folds up out of way when not in use. Spring holds step in position.

Mounting Holes for 5/16 Inch Bolt.

Plain Bronze Each	Chromium Plated Each	Size Step Inches	Size Base Inches	Extends Folded Inches	Weight Pounds
		4x2	4-1/4x1-3/4	7/8	1-1/8

Spare Stainless Steel Springs, Fig. 344-99A.

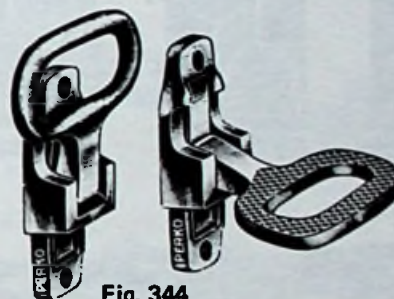


Fig. 344

FOLDED

OPEN

BOARDING STEP—Fig. 351
Cast Bronze

Designed for mounting on transom, permitting easy access to or from the water or for mounting on bulkhead for climbing to the flying bridge.

All high spots are polished.

Plain Bronze Each	Chromium Plated Each	Dimensions Of Step Inches	Dimensions Mounting Bracket Inches	Weight Pounds
		6x4-1/4	6x2	1-5/8



Fig. 351

BOARDING STEP—Fig. 501
Cast Bronze

Plain Bronze Each	Chromium Plated Each	Dimensions Of Step Inches	Dimensions Mounting Bracket Inches	Weight Pounds
		11x4-1/2	11x2	2-7/8



Fig. 501

ROWLOCK HORNS AND SOCKETS
DIE CAST ZINC ALLOY – NATURAL OR CHROMIUM PLATED FINISH
ALL SOCKETS HAVE DELRIN BEARING – SMOOTH AND QUIET



Fig. 1227



Fig. 1267



Fig. 1262

HORNS ONLY
Straight Shanks

Diameter Shank Inches	Length Shank Inches	Between Horns Inches	Inside Diameter Fig. 1267 Inches	Standard Package	Weight Per Pair Ounces
1/2	1-3/4	1-3/4	2	10 Pr.	9
	Fig.				
	1227				
	1262				
	1267				
		Natural Finish Per Pair	Chromium Plated Per Pair		

Spare Pins, Specify Fig. 1227, 99A, Standard Package, 10.

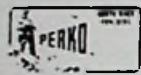


Fig. 1227-SP

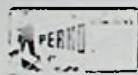


Fig. 1267-SP

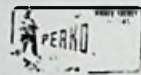


Fig. 1262-SP

SKIN PACK – Figs. 1227-SP, 1262-SP and 1267-SP
Natural and Chromium Plated Finish

One Pair Per Card.
 Six Cards Per Box.
 Weight Per Box, 4 Pounds.

Sold To Trade In Full Box Only.



Fig. 1185



Fig. 1186



Fig. 1187

SOCKETS ONLY
For Straight Shanks Above

Fig.	Length Inches	Width Inches	Depth Inches	Standard Package	Weight Per Pair Ounces
1185	2-7/8	1-1/8	1-1/8	10 Pr.	5
1186	4	7/8	1-1/8	10 Pr.	9
1187	4	—	1-1/4	10 Pr.	6
	Fig.				
	1185				
	1186				
	1187				
		Natural Finish Per Pair	Chromium Plated Per Pair		

Spare Delrin Bearings for Above Sockets
 Specify Fig. 1155 – Standard Package 20.
 Note, Each Socket Requires 2 Bearings.



Fig. 233

OAR LEATHERS AND BUTTONS—Fig. 233

Leather

Per Pair	Dimension Leathers Inches	Dimension Buttons Inches	Standard Package	Weight Per Pair Ounces
	7x6-1/2	1/2x13	5 Pr.	10

Note, Pair Consists Of 2 Leathers and 2 Buttons.

BRONZE ROWLOCK HORNS AND SOCKETS CAST MANGANESE BRONZE – BURNISHED

HORNS ONLY

Straight Shanks

Figs. – 828, 829 & 830

Fig.	Size No.	Between Horns Inches	Inside Diam. Inches	Diam. Shank Inches	Length Shank Inches	Weight Per Pair Ounces
828	0	2	—	1/2	2-1/8	13
829	1	—	2	1/2	2-1/8	14
829	1	—	2-1/4	1/2	2-1/8	16
830		2-1/8	—	1/2	2-1/8	13



Fig. 828



Fig. 829

Fig. 830

Standard Package, 5 Pair.

Spare Pins, Specify Fig. 830-99A, Standard Package, 10.



SOCKETS ONLY

For Straight Shanks Above

Fig.	Length Inches	Width Inches	Depth Inches	For Screw No.	Weight Per Pair Ounces
831	2-3/8	7/8	1	10	4
832	3-5/8	—	1-3/8	10	7
833	4	3/4	1-1/4	10	8



Fig. 831



Fig. 832



Fig. 833

Standard Package, 5 Pair.

TRANSOM PLATES—Fig. 1224

Die Cast Zinc Alloy – Chromium Plated Frame

Molded Soft Plastic Pad

For outboard motor brackets, saves wear and tear on transom and helps to prevent loss of motor.

No.	Per Pair	Length Overall Inches	Inside Diameter Inches	Weight Per Pair Ounces	Standard Package
1		3-1/2	1-7/8	2-3/4	10 Pr.
2		3-1/2	2-1/16	3	10 Pr.



Fig. 1224

SKIN PACK – Fig. 1224-SP

Size No.1 Only.

One Pair Per Card.

Twelve Cards Per Box.

Weight Per Box, 3 1/4 Pounds.

Sold To Trade In Full Box Only.



Fig. 1224-SP



Fig. 1337



Fig. 1338
For Screw



Fig. 1347

Fig. 1348
With Studs



Fig. 1339



End View

"CHROMALEX®" GRAB RAILS

Die Cast Zinc Alloy – Chromium Plated
Black Plastic Base
Anodized Aluminum Tubing

Figs. 1337 and 1338 are for 1/4" Screws or Bolts.
Figs. 1347 and 1348 have 1/4" Studs, 1-3/4" Below Base.
Fig. 1339 Tubing is 1-1/8" wide, 3/8" thick.

Fig.	Each	Height Inches	Base Inches	Weight Ounces
1337		1-3/8	1-3/8 x 1-1/16	3
1338		1-3/8	1-3/16x1/2	3
1347		1-3/8	1-3/8 x 1-1/16	4
1348		1-3/8	1-3/16x1/2	3-1/2

Fig. 1339 TUBING

6 Foot Lengths –

MINIMUM QUANTITY AND STANDARD PACKAGE, 5 LENGTHS



GRAB RAIL POSTS—Figs. 413 & 413-A

Cast Bronze – Chromium Plated – For 1 Inch O.D. 20 Gauge Tubing

Fig.	Each	Height Overall Inches	Dimensions Base Inches	For Screw No.	Standard Package	Weight Ounces
413		2-1/4	3 x 2	8	1	10
413-A		2-1/4	2-3/4x1-1/2	8	1	7-1/4



GRAB RAIL POSTS—Figs. 1297 & 1298

Die Cast Zinc Alloy – Chromium Plated
For 3/4 inch rod or tubing

Each	Height Overall Inches	Diameter Base Inches	Weight Ounces
	1-3/4	1-5/8	2-3/4

Standard Package, Fig. 1297 - 4 Pieces; Fig. 1298 - 2 Pieces.



GRAB RAIL POSTS—Figs. 380 & 380-A

Cast Bronze – Hollow – Chromium Plated

Each	Diameter Hole Inches	Height Overall Inches	Diameter Base Inches	Standard Package	Weight Ounces
	1	3-3/8	2-1/2	1	10



TUBING

ANODIZED ALUMINUM – POLISHED—Fig. 497

Each	Outside Diameter Inches	Length Feet	Weight Ounces
	3/4	6	10

MINIMUM QUANTITY AND STANDARD PACKAGE, 3 LENGTHS

STAINLESS STEEL TUBING—Fig. 498

Each	Outside Diameter Inches	Length Feet	B & S Gauge	Weight Pounds
	1	6	20	2

MINIMUM QUANTITY AND STANDARD PACKAGE, 3 LENGTHS

STAINLESS STEEL TUBING – Fig. 916

18-8 Non Magnetic – Polished – 7/8" O.D. – .049 Wall

Each	Length Feet	Weight Pounds
	6	2-1/4

MINIMUM QUANTITY AND STANDARD PACKAGE, 3 LENGTHS



Fig. 413 End Posts



Fig. 413-A Center Posts



Fig. 1297 End Posts

Fig. 1298 Center Posts



Fig. 380 End Posts

Fig. 380-A Center Posts

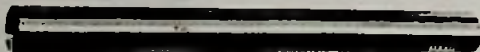


Fig. 497 – Aluminum

Fig. 498 – Stainless Steel

Fig. 916 – Stainless Steel

"PERKO" RAIL FITTINGS
Cast Bronze – Polished Chromium Plated
With Stainless Steel Allen Set Screws – Drilled and Countersunk 1/4"

ROUND ANGLE BASE—Fig. 992

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

Included angle – 60°



Fig. 992

ROUND STRAIGHT BASE—Fig. 973

Each	For Tubing Inches	Diameter Base Inches	Height Inches	Weight Ounces
	7/8	2-5/8	1-5/8	7



Fig. 973

RECTANGULAR ANGLE BASE—Fig. 981

Each	For Tubing Inches	Dimensions Base Inches	Height Inches	Weight Ounces
	7/8	2-7/8x1-3/4	1-3/4	8

Included angle – 60°

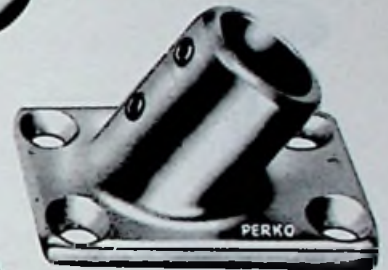


Fig. 981

RECTANGULAR STRAIGHT BASE—Fig. 977

Each	For Tubing Inches	Dimensions Base Inches	Height Inches	Weight Ounces
	7/8	2-3/4x1-3/4	1-5/8	6-1/2



Fig. 977

ANGLE TEE—Fig. 990

Right or Left Hand

Each	For Tubing Inches	Length Inches	Height Inches	Weight Ounces
	7/8	2	2-3/16	6

Included angle – 60°
 Please specify hand.



Fig. 990

ILLUSTRATION IS STARBOARD SIDE

STRAIGHT TEE—Fig. 989

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



Fig. 989

BOW FORM—Fig. 993

With 3/4" Flag Pole Socket

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



Fig. 993

GRAB RAILS – Fig. 936

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

No.	Each	Length Overall Inches	Height Under Tubing Inches	Weight Pounds
1		12	1-1/4	1
2		18	1-1/4	1-3/8

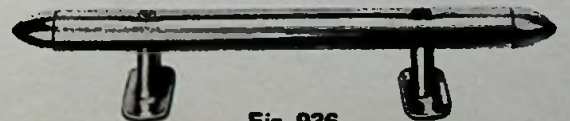


Fig. 936

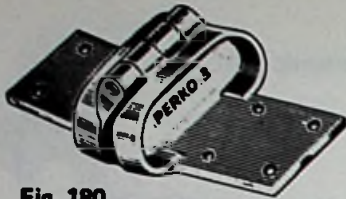


Fig. 180



Fig. 185



Bow
Fig. 218



Stern
Fig. 219



Bow
Fig. 220



Stern
Fig. 221



Fig. 343 Stern

FITTINGS FOR WOOD GUARD RAILS

Cast Bronze – Chromium Plated – Stainless Steel Pins

HINGE—Fig. 180
LATCH—Fig. 185

No.	Fig. 180 Each	Fig. 185 Each	Size Rail Inches	Length Overall Inches	Weight Pounds
1			2-3/8x1-3/8	5	3/4
2			2-7/8x1-1/4	5-1/2	1



FLUSH TYPE FLAG POLE SOCKETS—Figs. 218 & 219

Cast Bronze – Chromium Plated

No.	Inside Diam. Inches	Fig. 218 Each	Fig. 219 Each	Diam. Flange Inches	Depth Socket Inches	Weight Ounces
1	3/4			2	1-1/2	4-1/2
2	1			2-3/8	1-3/4	5
3	1-1/4			2-5/8	2	9
4	1-1/2	N/A		3-1/8	2-3/8	15



UPRIGHT TYPE FLAG POLE SOCKETS—Figs. 220 & 221

Cast Bronze – Chromium Plated

No.	Inside Diam. Inches	Fig. 220 Each	Fig. 221 Each	Diam. Base Inches	Height Inches	Weight Ounces
1	3/4			2-1/8	1-3/4	5-1/4
2	1			2-1/2	2	6-3/4
3	1-1/4			2-3/4	2-1/8	10-3/4



UPRIGHT TYPE FLAG POLE SOCKETS—Fig. 343

Zamak Die Castings – Chromium Plated – Drilled For No. 6 Screw

Each	Inside Diam. Inches	Size Base Inches	Height Overall Inches	Standard Package	Weight Ounces
	3/4	3x2-1/8	2	5	4-1/2



TABLE BRACKETS—Fig. 148

18-8 Stainless Steel – Satin Finish

For removable tables in cabin or cockpit.

A pair of angle brackets attached to table and several pairs of wall plates mounted in cabin and cockpit allows placing of table as desired.

Angle bracket cannot jump out of wall plate when table leg is firmly placed on deck.

Dimensions Angle Bracket Inches	Dimensions Wall Plate Inches	Weight Bracket Ounces	Weight Wall Plate Ounces
2-3/4x1-11/16	3-3/8x2	3	3

Fig. 148 Complete Per Set
Fig. 148, 99-A Spare Angle Brackets Per Pair
Fig. 148, 99-B Spare Wall Plates Per Pair

Standard Package, 5 Sets.

A set consists of 2 brackets and 2 plates.



Fig. 148



FENDER LOCK—Fig. 1299

Die Cast Zinc Alloy — Chromium Plated

Attach and detach fenders instantly, eye is permanently fastened to fender line, it quickly engages the deck flange and stays there until its job is done.

Each	Diameter Flange Inches	I.D. Eye Inches	Standard Package	Weight Ounces
	1-1/2	3/8	10	1

Spare Eyes, Specify Fig. 1299-99A.



Fig. 1299

SKIN PACK — Fig. 1299-SP

One Pair Per Card.

Twelve Cards Per Box.

Weight Per Box, 2 3/4 Pounds.



Fig. 1299-SP

Sold To Trade In Full Box Only

FENDER HOOKS—Fig. 1246

Die Cast Zinc Alloy — Chromium Plated

Each	For Rope Diameter Inches	Size Plate Inches	For Screw No.	Weight Ounces
	3/8	1-3/4x1-1/4	6	1-1/4

Standard Package, 10 Pieces.



Fig. 1246

SKIN PACK — Fig. 1246-SP

One Pair Per Card.

Twelve Cards Per Box.

Weight Per Box, 2 3/4 Pounds.



Fig. 1246-SP

Sold To Trade In Full Box Only.

SNAP TYPE FENDER HOOK — Fig. 1309

Die Cast Zinc Alloy — Chromium Plated

No more lost fenders, the snap does the job.

Each	For Rope Diameter Inches	Size Plate Inches	For Screw No.	Weight Ounces
	1/4	1-9/16x1-3/8	6	1-1/2

Standard Package, 10 Pieces.



Fig. 1309

DOCK LINE SPRINGS—Fig. 759

Steel — Zinc Plated

A very strong compression spring for dock and mooring lines. It cushions the strain and contributes greatly to the life of the line. Size No. 1 will accommodate 1/2 inch diameter rope, No. 2 for 3/4 inch rope.

No.	Each	Length Overall Inches	Diameter Spring Inches	Diameter Metal Inches	Compression Inches	Weight Pounds
1		10	1-1/2	3/16	4-1/2	7/8
2		18	2	1/4	8	2-3/4

Standard Package — No. 1-5 Pcs., No. 2-1 Pc.



Fig. 759



Fig. 492

BOAT HOOK HOLDERS—Fig. 492

18-8 Stainless Steel — Polished

Will accommodate poles up to 1-1/2 inch in diameter, and hold them firmly in place.

Per Pair	Length Inches	Width Inches	For Screw No.	Standard Package	Weight Ounces
	3-1/2	1	6	10 pr.	1-1/2

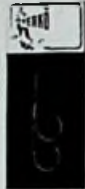


Fig. 492-SP

SKIN PACK — Fig. 492-SP

One Pair Per Card.

Twelve Cards Per Box.

Weight Per Box, 3 Pounds.

Sold To Trade In Full Box Only.

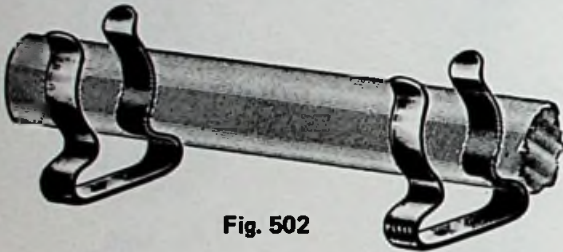


Fig. 502

"HOLDALL" SPRING CLAMPS—Fig. 502

18-8 Stainless Steel — Polished

Excellent for stowing fishing rods, boat hooks, oars, swab, broom, flashlight, flagstaff, pump, etc.

No.	Per Pair	Adjustability Inches	Length From Wall Inches	Width of Metal Inches	For Screw No.	Weight Per Pair Ounces
1		5/8 to 1-1/4	1-1/2	1/2	6	2
2		1 to 1-3/4	2-1/4	5/8	6	2-1/2

Standard Package, 10 Pair Per Size.

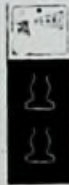


Fig. 502-SP

SKIN PACK — Fig. 502-SP

Size No.1 Only.

One Pair Per Card.

Twelve Cards Per Box.

Weight Per Box, 3 Pounds.

Sold To Trade In Full Box Only.

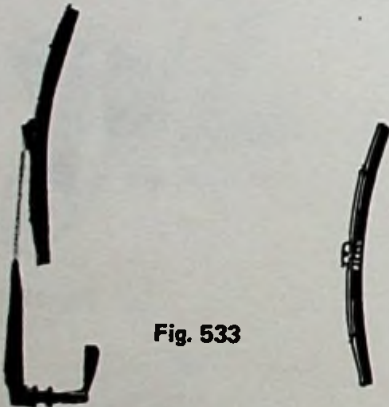


Fig. 533

HAND WINDSHIELD WIPERS—Fig. 533

For Straight and Curved Windshields — Stainless Steel Extensible Arm and Blade Holder — Other Parts Chromium Plated — Rustproof — Leakproof — With 12 Inch Blade

The arm is extensible from 6 3/4 to 10 1/2 inches, spring tension is adjustable for best wiping pressure.

Each	Length Overall Inches	Diam. Shaft Inches	Length Handle Inches	Weight Ounces
	8 to 11-1/2	3/8	2-3/8	8

For thickness of wood up to 1-1/8 inches.

Spare Arm, Fig. 533-99A	each
Spare Blade, Fig. 533-99B	each



Fig. 533-SP

SKIN PACK — Fig. 533-SP

One Per Card.

Three Cards Per Box.

Weight Per Box, 2 Pounds.

Sold To Trade In Full Box Only.

RING BUOY HOLDERS – Fig. 1017

Brass

Plain Brass Each	Chromium Plated Each	Width Mounting Plate Inches	Hgt. Over-all Inches	For Screw No.	Wt. Lbs.
		3	4-1/2	8	1/2

Standard Package, 5 Pieces



Fig. 1017

SKIN PACK – Fig. 1017-SP

One Per Card.
Four Cards Per Box.
Weight Per Box, 2½ Pounds.

Sold To Trade In Full Box Only.



Fig. 1017-SP

AXE BRACKETS—Fig. 325

18-8 Stainless Steel – Polished

A set consists of one blade socket and one handle bracket as illustrated.

Fig. 325 Complete Per Set	Fig. 325-99A Blade Sockets Only Each	Fig. 325-99B Handle Brackets Only Each	For Blade Width Inches	Standard Package	Weight Per Set Ounces
			6	10 sets	4-1/2



Fig. 325

BOAT HOOKS—Fig. 224

Ball Points – Galvanized Malleable Iron

Size No.	Each	For Diam. Pole Inches	Extreme Length Inches	Standard Package	Weight Ounces
4		1-1/4	8-1/4	5	12
5		1-1/2	9-3/8	5	18

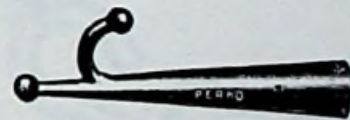


Fig. 224

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

DECK STRAPS—Fig. 882

Cast Bronze

No.	Plain Bronze Each	Chromium Plated Each	Length Inches	Size Eye Inches	Standard Package	Wt. Ozs.
1			3-1/2	1/2	10	2-1/2
2			4-1/8	9/16	10	2-1/2



Fig. 882

FLANGE EYE – Fig. 1236

Die Cast Zinc Alloy – Chromium Plated

Each	Size Opening Inches	Size Base Inches	Standard Package	Weight Ounces
	3/4	2-5/16x1-1/16	10	1



Fig. 1236



Fig. 612

FAST EYE BOAT SNAPS—Fig. 612
Zinc Plated Malleable Iron Or Bronze

Size No.	Zinc Plated Each	Plain Bronze Each	Inside Diam. Eye Inches	Extreme Length Inches	Standard Package	Weight Per 100 Pounds
0			3/8	2-1/16	10	6-1/4
1			5/8	2-7/8	10	12
2			3/4	3	10	13-1/2
3			3/4	3-7/8	10	24
4		N.A.	7/8	4-1/2	10	40
5		N.A.	1-1/8	5	10	50
6		N.A.	1-1/8	5-1/4	10	68-3/4



Fig. 613

SWIVEL EYE BOAT SNAPS—Fig. 613
Zinc Plated Malleable Iron Or Bronze

Size No.	Zinc Plated Each	Plain Bronze Each	Inside Diam. Eye Inches	Extreme Length Inches	Standard Package	Weight Per 100 Pounds
1			9/16	3-1/4	10	12-1/2
2			11/16	3-5/8	10	16
3			3/4	4-5/8	10	30
4		N.A.	13/16	4-7/8	10	42
5		N.A.	1-1/16	5-3/4	10	61



Fig. 659

SWIVEL EYE SNAP — Fig. 659
Cast Bronze

Each	Extreme Length Inches	Inside Eye Inches	Inside Hook Inches	Standard Package	Weight Ounces
	3-1/2	3/4	7/16	25	2-1/2



Fig. 659-SP



SKIN PACK — Fig. 659-SP

One Per Card.
Ten Cards Per Box.
Weight Per Box, 2 Pounds.

Sold To Trade In Full Box Only.



Fig. 1289

SWIVEL EYE SNAP—Fig. 1289

Die Cast Zinc Alloy — Chromium Plated — Stainless Steel Spring.
Has an interlocking device on tongue and hook.

Each	Inside Diam. Eye Inches	Extreme Length Inches	Standard Package	Weight Per 100 Pounds
	5/8	3	25	12-1/2

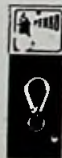


Fig. 1289-SP

SKIN PACK — Fig. 1289-SP

One Per Card.
Twelve Cards Per Box.
Weight Per Box, 2½ Pounds.

Sold To Trade In Full Box Only.



Fig. 842

FAST EYE BABY SNAPS—Fig. 842

Cast Bronze

Fig.	Each	Size of Eye Inches	Length Inches	Standard Package	Weight Ounces
842		3/8	1-7/8	50	1/2



Fig. 1041

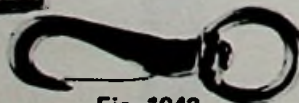


Fig. 1042

SWIVEL EYE BABY SNAPS—Figs. 1041 & 1042

Cast Bronze

Fig	Each	Length Inches	Diam. of Eye Inches	Standard Package	Weight Ounces
1041		1-3/4	5/8 x 5/16	50	1/2
1042		2-1/8	3/8	50	1/2

NOTE: THE SNAPS ILLUSTRATED ON THIS PAGE SHOULD NOT BE USED FOR LIFTING, WINCHING, TOWING OR MOORING, OR LIKE APPLICATIONS.

FAST EYE SNAP HOOKS—Fig. 606
Galvanized Drop Forged Steel — Stainless Steel Spring

No.	Each	I.D. of Eye Inches	Length Overall Inches	Throat Opening Inches	Standard Package	Weight Per 100 in Lbs.
1		3/4	4	3/4	10	25
2		1-1/8	4-3/4	3/4	10	32
3		1	5-3/8	13/16	5	100



Fig. 606

★
SKIN PACK — Fig. 606-SP

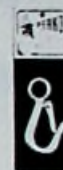
Size No.1 Only.
One Per Card.
Twelve Cards Per Box.

Weight Per Box, 2½ Pounds.

Fig. 606 & 606-SP
SAFE WORKING
LOAD POUNDS

#1	500
#2	1000
#3	3000

Fig. 606-SP



★
FAST EYE SNAP HOOK — Fig. 614
18-8 STAINLESS STEEL — Non Magnetic
Interlocking Tongue

Each	Length Inches	I.D. Eye Inches	Diam. Steel Inches	Standard Package	Weight Ounces
	3	3/8	5/16	10	2-1/2



Fig. 614

SAFE WORKING LOAD 350 POUNDS

★
“S” HOOKS—Fig. 680
Galvanized Wrought Steel

No.	Nominal Size Inches	Each	Length Overall Inches	Standard Package	Weight Per 100 Pounds
1	3/16		1-1/2	50	2-3/4
2	1/4		2	50	7
3	5/16		2-1/2	50	14-1/2
4	3/8		3	50	18-3/4



Fig. 680

★
SHEAVES—Fig. 154
White Plastic — Common Bushed

No.	Each	Diam. Inches	Thickness Inches	For Rope Inches	For Size Pin Inches	Standard Package
20		7/8	3/8	1/4	3/16	10
28		2-5/16	3/8	1/4	1/4	10



Fig. 154

★
ASSORTED BRASS PINS — Fig. 1176

Flat Head

No.	Each	Diam. Pin Inches	Length Under Head Inches	Diam. Head Inches	Standard Package
4		3/16	1	1/4	10
5		1/4	5/8	5/16	10
10		1/4	1-1/4	5/16	10
15		5/16	1-1/4	3/8	10
27		1/2	1-1/4	5/8	10

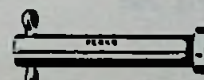


Fig. 1176



Fig. 314

ANCHOR SHACKLES – Fig. 314
Galvanized Drop Forged Steel – Screw Pin Type

No.	Size Inches	Each	Standard Package	Safe Working Load Pounds	Approx. Weight Per 100 in Pounds
1	3/16		10	400	7
2	1/4		10	600	11
3	5/16		10	800	20
4	3/8		10	1400	31
5	7/16		10	1800	47
6	1/2		10	2400	68
7	5/8		5	3800	137
8	3/4		5	5600	220



Fig. 466

WIRE ROPE THIMBLES—Fig. 466
Zinc Plated, Or Stainless Steel

No.	For Size Rope Inches	Zinc Plated Each	Stainless Steel Each	Standard Package	Galv. Wt. Per 100 in Lbs.
1	1/8			20	2-5/8
2	3/16			20	2-5/8
3	1/4			20	4-3/8
4	5/16			20	5-1/2
5	3/8			20	10-5/8
6	1/2			20	15-1/2
7	5/8		N.A.	10	27-1/2
8	3/4		N.A.	10	40
9	7/8		N.A.	10	55
10	1		N.A.	10	79



Fig. 333

WIRE ROPE CLIPS—Fig. 333
Malleable Iron Saddle – Steel U-Bolt And Nuts

No.	Size Wire Rope Inches	Zinc Plated Each	Est. Wt. Per 100 in Lbs.	No.	Size Wire Rope Inches	Zinc Plated Per 100	Est. Wt. Per 100 in Lbs.
1	1/8		4-1/4	5	3/8		24
2	3/16		7	6	1/2		37
3	1/4		14-1/2	7	5/8		59
4	5/16		16				

Standard Package, Sizes 1 thru 3, 25 Pcs. 4 & 5, 10 Pcs. 6 & 7, 5 Pcs.

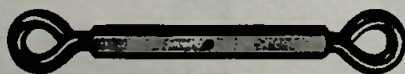


Fig. 396

PETITE TURNBUCKLES—Fig. 396
Bronze – S.A.E. Threads – Eye and Eye
Designed for Light Duty Applications

No.	Each	Diam. Thread Inches	Length Extended Inches	Takeup Inches	Weight Per 100 in Lbs.
1		1/8	3	3/4	3
2		5/32	4	1-1/8	6-1/4
3		3/16	5	1-1/2	11-1/2
4		1/4	5-3/4	1-7/8	15
5		5/16	6-7/8	2-1/4	24-1/2

Standard Package 5 Pieces.

DOUBLE END SCRAPERS—Fig. 1175

Fine Grade Tool Steel — Heat Treated

Each	Length Inches	Width Inches	Thick-ness Inches	Width Blade Inches	Standard Package	Weight Pounds
	15	1	1/4	1-3/4	5	1



Fig. 1175

CAULKING IRONS—Fig. 307

Malleable Iron

Size No.	Each	Thickness Inches	Length Inches	Width Blade Inches	Weight Per Dozen in Lbs.
00		1/32	5	2	7-1/2
0		1/16	5-5/8	2-1/2	7-1/2
1		1/8	5-7/8	2-1/4	7-1/2



Fig. 307

Standard Package, 10 Pieces.

SAIL MAKERS PALMS—Fig. 411

Hide Mounted — Right Hand Only

Per Dozen	Standard Package	Weight Per Dozen in Pounds
	10	2



Fig. 411

MAPLE HAND FIDS—Fig. 923

For use in splicing ropes and light flexible cables, has a rounded end for hand use; varnished finish.

No.	Each	Size Inches	Standard Package	Weight Per Dozen Pounds
0		12x1-3/4	2	5-1/4
1		14x1-3/4	2	5-1/4
2		16x2	2	6-3/4
3		18x2	2	6-3/4
4		20x2-1/4	2	12



Fig. 923

BRASS ACORN NUTS—Fig. 465

Milled Finish

No.	Size Thread	Plain Each	Polished Brass Each	Chromium Plated Each	Size Hexagon Inches	Height Inches
1	8 -32				5/16	5/16
2	1/4 -20				7/16	3/8
3	1/4 -20		N.A.	N.A.	7/16	3/4
4	5/16-18				5/8	5/8
5	3/8 -16		N.A.	N.A.	5/8	1
7	1/2 -13		N.A.	N.A.	3/4	1-3/8
8	1/2 -13				1	1
9	5/8 -11				1-1/8	1-3/16



Fig. 465

Standard Package, Sizes 1 thru 5, 10 Pcs. 7 thru 9, 5 Pcs.

BRASS WING NUTS—Fig. 453

U. S. S. Thread

No.	For Diam. Bolt Inches	Threads Per Inch	Plain Brass Each	No.	For Diam. Bolt Inches	Threads Per Inch	Plain Brass Each
1	3/16	24		4	3/8	16	
2	1/4	20		5	1/2	13	
3	5/16	18					



Fig. 453

Standard Package, Sizes 1 thru 3, 10 Pcs. 4 & 5, 5 Pcs.



Fig. 565

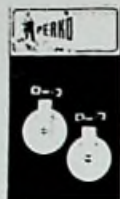


Fig. 565-SP

TILLER ROPE PULLEY—Fig. 565
Swivel Type with Strap — For 1/4" Rope
18-8 Stainless Steel — White Plastic Sheave

Complete Each	Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Inches	Standard Package	Weight Ounces
	3-3/4	2-5/16	1-5/8	10	2



SKIN PACK — Fig. 565-SP

One Pair Per Card.
Twelve Cards Per Box.
Weight Per Box, 4½ Pounds.

Sold To Trade In Full Box Only.



Fig. 634

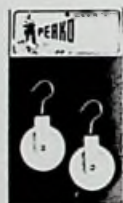


Fig. 634-SP

TILLER ROPE PULLEY—Fig. 634
Swivel Snap Hook Type — For 1/4" Rope
18-8 Stainless Steel — White Plastic Sheave

Complete Each	Length Overall Inches	Snap Throat Opening Inches	Diam. Sheave Overall Inches	Standard Package	Wt. Ozs.
	4-5/8	1/2	2-5/16	10	2-1/2



SKIN PACK — Fig. 634-SP

One Pair Per Card.
Twelve Cards Per Box.
Weight Per Box, 5¼ Pounds.

Sold To Trade In Full Box Only.



Fig. 1255

TILLER ROPE PULLEY—Fig. 1255
Coaming Type — White Plastic Sheave
Die Cast Zinc Alloy — Chromium Plated

No.	Each	Diam. Sheave Inches	For Diam. Rope Inches	Dimensions of Plate Inches	Standard Package	Weight Ounces
2		2-5/16	1/4	4-7/8x1-1/4	10	2-1/2



TILLER ROPE GUIDES—Figs. 1256 & 1261
Die Cast Zinc Alloy — Chromium Plated

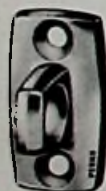


Fig. 1256



Fig. 1261

Each	Size Hole Inches	Size Base Inches	For Screw No.	Weight Ounces	Standard Package
	5/16	1-1/4x3/4	6	1/2	25



TILLER ROPE GUIDES—Fig. 1243
Die Cast Zinc Alloy — Chromium Plated



Fig. 1243

Each	For Diam. Rope Inches	Size Base Inches	For Screw No.	Weight Ounces	Standard Package
	1/4	2 x 3/4	8	1-3/4	10

TILLER ROPE CLAMPS—Figs. 358 & 1226

For 1/8" and 3/16" Rope

Fig. 358—Pressure Cast Bronze.

Fig. 1226—Die Cast Zinc Alloy.

Fig.	Natural Finish Each	Chromium Plated Each	Length Inches	Width Inches	Standard Package	Weight Ounces
358			1-1/4	11/16	20	1
1226			1-1/4	11/16	50	1



Fig. 358

Fig. 1226

SKIN PACK — Fig. 1226-SP

Chromium Plated Finish.

One Pair Per Card.

Twelve Cards Per Box.

Weight Per Box, 2½ Pounds.

Sold To Trade In Full Box Only.



Fig. 1226-SP

TILLER ROPE TIGHTENERS—Figs. 732 & 754

Fig. 732-C —Steel, Cadmium Plated

Fig. 732-SS —18-8 Stainless Steel

Fig. 754 —Steel, Cadmium Plated

Fig.	Each	Normal Length Inches	Length Compressed Inches	Outside Diameter Inches	Standard Package	Weight Ounces
732-C		4	5	1	25	3-1/2
732-SS		4	5	1	10	2-1/4
754		4-3/4	6-1/2	7/8	25	3



Fig. 732-C
Fig. 732-SS



Fig. 754

SKIN PACK — Fig. 732-SP

Stainless Steel or Cadmium Plated

Cadmium Plated Steel Per Pair	Stainless Steel Per Pair	Units Per Card	Units Per Box	Weight Per Box Pounds
		1 Pr.	12	5-1/2



Fig. 732-SP

Sold To Trade In Full Box Only.

EYE STRAPS—Figs. 562 & 1242

Fig. 562—18-8 Stainless Steel

Fig. 1242—Die Cast Zinc Alloy — Chromium Plated

Fig.	Each	Length Inches	Size Eye Inches	For Screw No.	Weight Ounces	Standard Package
562		1-5/8	1/4	10	1/8	50
1242		1-7/8	5/16	8	1/4	50



Fig. 1242



Fig. 562

EYE STRAPS—Fig. 881

Forged Bronze

No.	Natural Bronze Each	Chromium Plated Each	Length Inches	Size Eye Inches	Stock in Eye Inches	For Screw No.	Wt. Ozs.
0			1-7/8	1/4	1/4	8	1/2
1			2-1/4	5/16	9/32	10	3/4
2			2-3/4	1/2	5/16	10	1-1/2



Fig. 881

Standard Package, Nos. 0 and 1, 50 pcs. No. 2, 25 pcs.



Fig 43

FAST EYE BLOCKS—Fig. 43
Galvanized Malleable Iron Or Bronze – Single

Size No.	Galv. Each	Plain Bronze Each	For Diam. Rope Inches	Size Sheaves Inches	Standard Package	Weight Pounds Each
1			3/16	3/4x5/16	10	3/32
3			1/4	1 x3/8	10	3/16
5			5/16	1-3/8x7/16	10	1/4
7			3/8	1-1/2x1/2	10	3/8
9		N.A.	7/16	1-3/4x9/16	5	1/2
11		N.A.	1/2	2 x5/8	5	5/8
13		N.A.	5/8	2-1/2x3/4	5	1-7/16
15		N.A.	3/4	3 x7/8	5	1-5/8



Fig. 51

FAST EYE BLOCKS—Fig. 51
Galvanized Malleable Iron – Double

Size No.	Each	For Diam. Rope Inches	Size Sheaves Inches	Standard Package	Weight Pounds Each
2		3/16	3/4x5/16	10	3/16
4		1/4	1 x3/8	10	1/4
6		5/16	1-3/8x7/16	10	3/8
8		3/8	1-1/2x1/2	10	5/8



Fig. 100

SWIVEL EYE BLOCKS—Fig. 100
Zinc Plated Malleable Iron Or Bronze – Single

Size No.	Zinc Plated Each	Plain Bronze Each	For Diam. Rope Inches	Diameter Sheave Inches	Standard Package	Weight Per Doz. in Lbs.
0			3/16	1/2	10	1/2
1			3/16	3/4	10	1-1/4
3			1/4	1	10	2
5			5/16	1-3/8	10	2-7/8
7			3/8	1-1/2	10	4-7/8



Fig. 101

SWIVEL EYE BLOCKS—Fig. 101
Zinc Plated Malleable Iron – Double

Size No.	Each	For Diam. Rope Inches	Diameter Sheave Inches	Standard Package	Weight Per Doz. in Lbs.
00		3/16	1/2	10	1-1/16
2		3/16	3/4	10	2-1/4
4		1/4	1	10	3-3/8
6		5/16	1-3/8	10	4-1/2
8		3/8	1-1/2	10	7



Fig. 194

Side Pattern Single



Fig. 279

Upright Pattern Single

WIRE ROPE PULLEYS—Figs. 194 & 279

Galvanized Malleable Iron

Fig. 194 Single

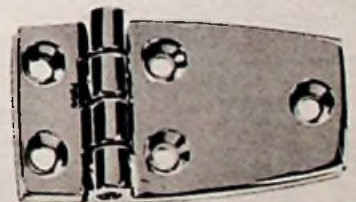
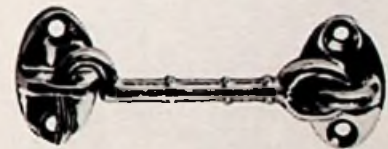
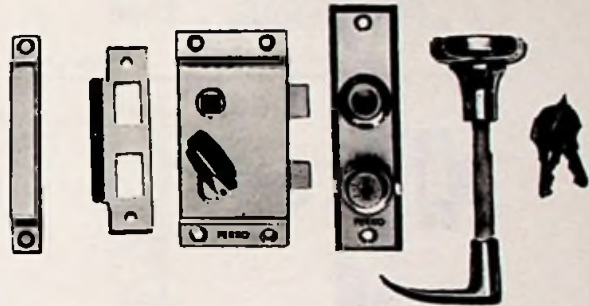
Size No.	Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
1		3/16	2-1/2x3/8	1/2
2		1/4	3-1/4x1/2	1-1/4
3		5/16-3/8	4-1/2x5/8	2-1/2

Fig. 279 Single

Size No.	Each	For Diam. Rope Inches	Size Sheave Inches	Weight Pounds
10		3/16	2-1/2x3/8	5/8
20		1/4	3-1/4x1/2	1-1/2
30		5/16-3/8	4-1/2x9/16	2-1/2

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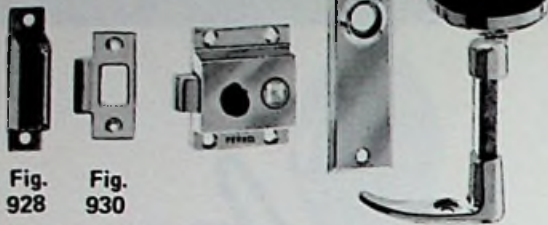
RIM LATCH SETS—Figs. 928 & 930

Die Cast Zinc Alloy — Chromium Plated

With round knob and lever handle, no keys. Locked by thumb bolt inside. For doors 3/4 to 1-1/2 inches.

Fig. 928—Regular Bevel With Box Strike.

Fig. 930—Reverse Bevel With Flush Strike.



Per Set	Size Case Inches	Size Escutcheon Inches	Diameter Knob Inches	Backset Inches	Weight Pounds
	2-1/8x1-3/4	4-3/8x1-1/4	1-3/4	1-3/8	3/4

Spare Strike for Fig. 928, Specify Fig. 928-99A

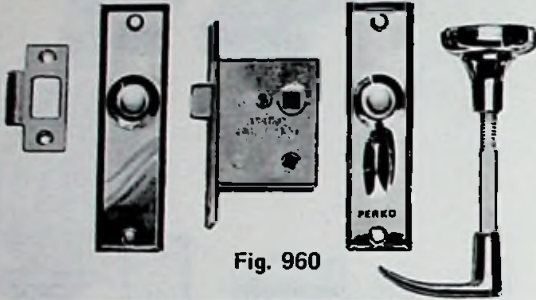
Spare Strike for Fig. 930, Specify Fig. 930-99A

MORTISE LATCH SETS—Fig. 960

Die Cast Zinc Alloy — Chromium Plated — Reversible

Locked by dead bolt inside, no keys, with round knob and lever handle. For door 1 to 1-1/2 inches thick.

Backset 1-3/8 inches.



Per Set	Size Case Inches	Size Facing Inches	Size Escutcheon Inches	Diameter Knob Inches	Weight Pounds
	2-1/4x1-13/16	3-1/2x13/16	4-3/8x1-1/4	1-3/4	1

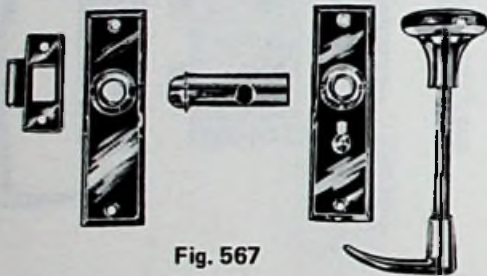
Spare Strike for Fig. 960, Specify Fig. 960-99A

TUBULAR LATCH SETS—Fig. 567

Die Cast Zinc Alloy — Chromium Plated

Locked from inside by thumb bolt, no keys. Round knob and lever handle. For doors 1 to 1-1/2 inches thick.

Backset 1-1/4 inches.



Per Set	Diameter Tube Inches	Size Escutcheon Inches	Diameter Knob Inches	Weight Pounds
	3/4	4-3/8x1-1/4	1-3/4	3/4

Spare Strike for Fig. 567, Specify Fig. 567-99-A

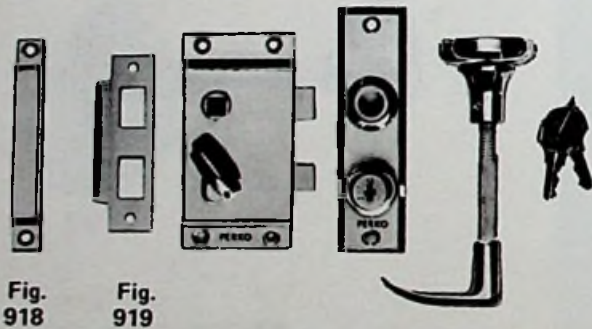
RIM LOCK SETS—Figs. 918 & 919

Die Cast Zinc Alloy — Chromium Plated

Five disc tumbler type with dead bolt for inside. With round knob and lever handle, two keys. For doors 3/4 to 1-1/2 inches.

Fig. 918—Regular Bevel With Box Strike.

Fig. 919—Reverse Bevel With Flush Strike.



Per Set	Size Case Inches	Size Escutcheon Inches	Diameter Knob Inches	Backset Inches	Weight Pounds
	3-7/8x2	4-3/8x1-1/4	1-3/4	1-3/8	1-1/4

Spare Strike for Fig. 918, Specify Fig. 918-99-A

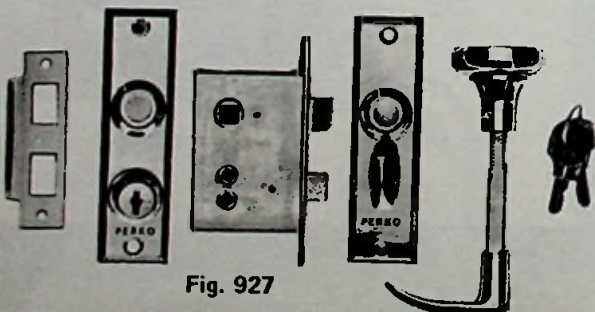
Spare Strike for Fig. 919, Specify Fig. 919-99A

Escutcheon with Tumbler Set and 2 Keys for Figs. 918 and 919, Specify Fig. 953

MORTISE LOCK SETS—Fig. 927

Die Cast Zinc Alloy — Chromium Plated — Reversible

Five disc tumbler type with dead bolt for inside. With round knob and lever handle, two keys. For door 1 to 1-1/2 inches thick. Backset 1-3/8 inches.



Per Set	Size Case Inches	Size Facing Inches	Size Escutcheon Inches	Diameter Knob Inches	Weight Pounds
	2-3/4x2	4x13/16	4-3/8x1-1/4	1-3/4	1-1/4

Spare Strike for Fig. 927, Specify Fig. 927-99A

Escutcheon with Tumbler Set and 2 Keys for Fig. 927, Specify Fig. 927-99-B

Spare Knob, Lever Handle and Spindle Assembly for All Above — Specify Fig. 962

NEW

FLUSH SECURITY LOCK—Fig. 921

Die Cast Zinc Alloy — Chromium Plated

A trim and sturdy lock designed to eliminate bulky padlock type protrusions. Constructed for marine environment, this lock is ideal for lockers, compartment doors in consoles, dock boxes and other applications requiring protection against theft or vandalism. The design of this unit also allows for easy installation by drilling a 1-5/8" diameter hole.

Each	Size Inches	Weight Ounces
	2-1/4 x 2	8

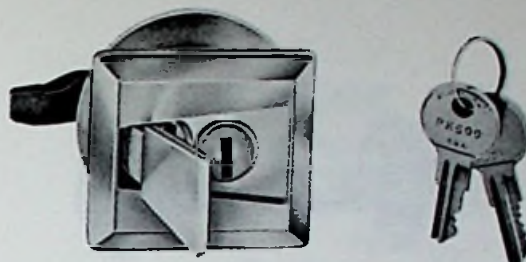


Fig. 921

NEW

FLUSH LATCH—Fig. 922

Die Cast Zinc Alloy — Chromium Plated

This unit is the same design as Fig. 921, except without locking device. It is offered for use as a positive latching device where security is not required.

Each	Size Inches	Weight Ounces
	2-1/4 x 2	6

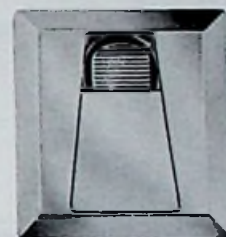


Fig. 922

ONE-WAY NIGHT OR SAFETY LATCH—Fig. 948

Die Cast Zinc Alloy — Chromium Plated — With Sliding Safety Catch

Each	Dimensions Without Strike Inches	Weight Ounces
	2-1/8x1-3/4	5

Standard Package, 5 Pieces.

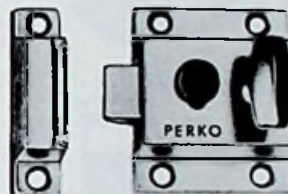


Fig. 948

HEAVY DUTY CUPBOARD TURNS—Fig. 978

Die Cast Zinc Alloy — Chromium Plated

High Quality in Design and Smooth Operation

Each	Dimensions Without Strike Inches	Weight Ounces
	2-1/8x1-3/4	5

Standard Package, 5 Pieces.



Fig. 978

CUPBOARD CATCHES—Fig. 1102

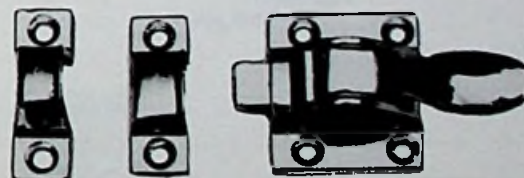
Die Cast Zinc Alloy — Chromium Plated

NO.	Each	Dimensions Without Strike Inches	Weight Ounces
1		1-1/2x1-3/8	3-1/2
2		1-1/2x1-3/8	3-1/2

No. 1 Supplied with Flush Strike

No. 2 Supplied with Offset Strike

Standard Package, 5 Pieces



Offset

Flush

Fig. 1102

SKIN PACK — Fig. 1102-SP

One Catch Per Card

Supplied with Flush and Offset Strikes

Six Cards Per Box.

Weight Per Box, 1 Pound.

Sold To Trade In Full Box Only

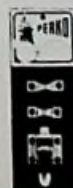


Fig. 1102-SP

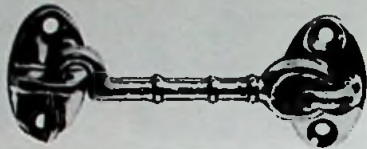


Fig. 956

CABIN DOOR HOOKS—Fig. 956

Pressure Cast Bronze

No.	Length Hook Inches	Plain Bronze Each	Chromium Plated Each	Weight Ounces
1	1-1/2			1
2	2			1-1/2
3	2-1/2			1-3/4
4	3			2
5	3-1/2			2-1/2
6	4			3
7	5			3-1/2
8	6			5

Standard Package, 5 Pieces.

Spare Keepers, Specify Fig. 959 and Finish



Fig. 1199

CABIN DOOR HOOKS—Fig. 1199

Die Cast Zinc Alloy — Chromium Plated

No.	Length Hook Inches	Each	Weight Ounces
1	1-3/4		1-1/4
2	2-1/4		1-3/8
3	3		1-1/2
4	4		1-3/4

Spare Keepers, See Fig. 1261.

Standard Package, 20 Pieces.



Fig. 1199-SP

SKIN PACK — Fig. 1199-SP

Size No. 1

One Hook Per Card.

Twelve Cards Per Box.

Weight Per Box, 2 Pounds.

Sold To Trade In Full Box Only.

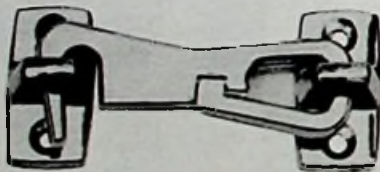


Fig. 1287

MODERN DESIGN CABIN DOOR HOOKS—Fig. 1287

Patent No. 197,531

Die Cast Zinc Alloy — Chromium Plated

No.	Length Hook Inches	Each	Dimensions Eye Plate Inches	Weight Ounces
1	2		1-1/4x11/16	1-1/4
2	2-1/2		1-1/4x11/16	1-1/2
3	3		1-1/4x11/16	1-3/4

Spare Keepers, See Fig. 1261.

Standard Package, 20 Pieces.

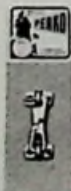


Fig. 1287-SP

SKIN PACK — Fig. 1287-SP

Size No. 2

One Hook Per Card

Six Cards Per Box

Weight Per Box, 13 Ounces

Sold To Trade In Full Box Only

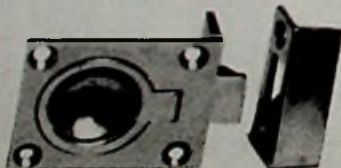


Fig. 1051

FLUSH RING CATCHES—Fig. 1051

Die Cast Zinc Alloy — Chromium Plated — Phosphor Bronze Spring

Each	Size Inches	Standard Package	Weight Ounces
	1-3/4x1-3/8	10	1-1/2

CUPBOARD BOLT—Fig. 1101

Die Cast Zinc Alloy – Chromium Plated

Each	Dimensions Without Strike Inches	Weight Ounces
	1-1/2x1-1/2	2

Standard package 5 pieces.

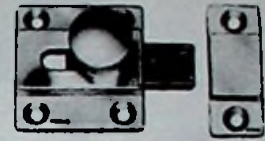


Fig. 1101

SKIN PACK – Fig. 1101-SP

One Bolt Per Card.

Six Cards Per Box.

Weight Per Box, 1¼ Pounds.

Sold To Trade In Full Box Only.



Fig. 1101-SP

DOOR BUTTONS – Figs. 1216 & 1216-B

Die Cast Zinc Alloy – Chromium Plated – Black Plastic Knob

Eliminates rattling doors. Phosphor bronze coil spring under knob holds button against the plate. Drilled and countersunk for No. 6 screw.

	Each	Plate Diameter Inches	Width Less Keeper Inches	Standard Package	Weight Ounces
Fig. 1216		1-11/16	1-3/16	10	1-1/2
Fig. 1216-B		1-11/16	1-3/16	10	1-1/2



Fig. 1216
With Spring



Fig. 1216-B
Without Spring

SKIN PACK – Fig. 1216-SP

With Spring

One Button Per Card.

Twelve Cards Per Box.

Weight Per Box, 1¼ Pounds.

Sold To Trade In Full Box Only.

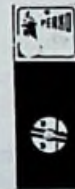


Fig. 1216 SP

BARREL BOLTS—Fig. 947

Pressure Cast Bronze

No.	Plain Each	Chromium Plated Each	Length Rod Inches	Size Base Without Strike Inches	Weight Ounces
1			2-3/4	2-1/4x1-3/8	4
2			3	3 x1-1/4	4
3			4	4 x1-3/8	5

Standard Package, 5 Pieces.

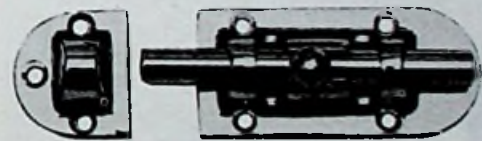


Fig. 947

SKIN PACK – Fig. 947-SP

Size No. 2 – Chromium Plated

One Bolt Per Card.

Five Cards Per Box.

Weight Per Box, 1½ Pounds.

Sold To Trade In Full Box Only.



Fig. 947-SP

SHIP BOLTS—Fig. 1053

Pressure Cast Bronze – Chromium Plated

Each	Size Without Strike Inches	Weight Ounces
	2-3/8x1-1/4	1-3/4

Standard Package, 5 Pieces.



Fig. 1053



Fig. 560



Fig. 1056

Fig. 1056-SP

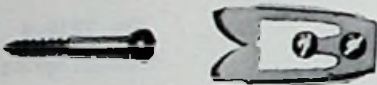
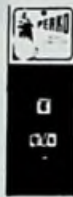


Fig. 554

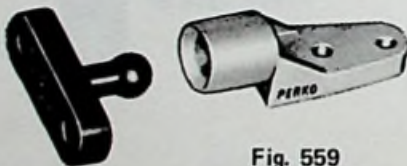


Fig. 559



Fig. 559-SP

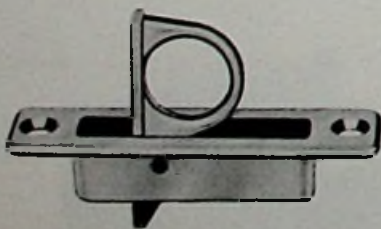
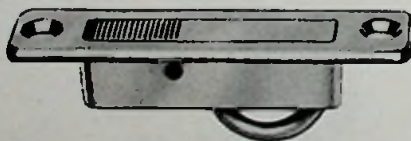


Fig. 1221

MAGNETIC DOOR CATCH – Fig. 560

For cupboard and locker doors – special corrosion resistant finish prevents rusting.

Each	Catch Size Inches	Weight Ounces	Std. Pkg.
	1-7/8 x 1/2	1/2	25



ELBOW CATCHES—Fig. 1056

Die Cast Zinc Alloy – Chromium Plated

Each	Size Base Inches	Standard Package	Weight Ounces
	1-1/8x9/16	10	3/4



SKIN PACK – Fig. 1056-SP

One Catch Per Card.
Twelve Cards Per Box.
Weight Per Box, 1 Pound.

Sold To Trade In Full Box Only.



“FLEXA” DOOR CATCHES—Fig. 554

White Nylon Catch – Stainless Steel Spring – With Brass, Chromium Plated Screws – Positive Grip – 18 Pound Pull

Each Complete	Length Catch Inches	Length Ball Head Screw Inches	Standard Package	Weight Ounces
	1-3/16	3/4	25	1/4



“POLYDEL” DOOR CATCHES—Fig. 559

Grey Delrin Ball Stud – Polyethylene Catch – Holds Door Firmly in Place Against Vibration and Motion

Each	Stud Size Inches	Catch Size Inches	Standard Package	Weight Per 100 Pounds
	1-1/8x3/8	1-3/8x7/8	25	1



SKIN PACK – Fig. 559-SP

Two Catches Per Card.
Twenty-Five Cards Per Box.
Weight Per Box, 1 Pound.

Sold To Trade In Full Box Only.



NEW

FLUSH PULL—Fig. 1221

Die Cast Zinc Alloy – Chromium Plated

This modern styled ring pull solves many installation problems. It can be used vertically for doors or drawers and also horizontally for small hatches, lids or ice boxes, fish boxes, storage compartments, etc.

Each	Dimensions Plate Inches	Standard Package	Weight Ounces
	3/4-3-1/4	5	3

FLUSH RING PULLS—Fig. 841

Die Cast Zinc Alloy — Chromium Plated

Each	Size Plate Inches	Standard Package	Weight Ounces
	1-3/4x1-3/8	10	1



Fig. 841

SKIN PACK — Fig. 841-SP ★

One Pull Per Card
 Twelve Cards Per Box
 Weight Per Box, 1 Pound

Sold To Trade In Full Box Only



Fig. 841-SP

FLUSH RING PULLS—Fig. 1103

Pressure Cast Bronze — Chromium Plated

Each	Size Plate Inches	Standard Package	Weight Ounces
	2-9/16x2	5	3-1/2



Fig. 1103



Fig 575

FLUSH HATCH LIFTING RING—Fig. 575

Safety Type — Pressure Cast Bronze

No recess to catch heels, chair or table legs, etc.

Chromium Plated Each	Size Plate Inches	Inside Ring Inches	Standard Package	Weight Ounces
	2-5/8x2	1	5	3

SKIN PACK — Fig. 575-SP ★

One Ring Per Card
 Twelve Cards Per Box
 Weight Per Box, 1½ Pounds
 Sold To Trade In Full Box Only

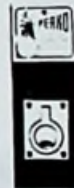


Fig. 575-SP

FLUSH HATCH LIFTING HANDLE—Fig. 1220

Die Cast Zinc Alloy — Chromium Plated

No large recess to catch chairs, heels, table legs, etc.

Each	Dimensions Plate Inches	Inside Handle Inches	Standard Package	Weight Ounces
	3x2-1/4	1-7/8x1	5	3

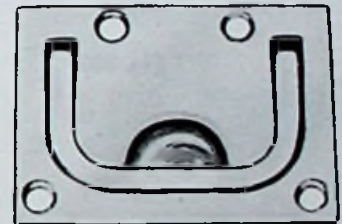


Fig. 1220

SKIN PACK — Fig. 1220-SP ★

One Handle Per Card
 Ten Cards Per Box
 Weight Per Box, 2½ Pounds
 Sold To Trade In Full Box Only



Fig. 1220-SP

HEAVY DUTY

FLUSH HATCH LIFTING HANDLE—Fig. 776

Pressure Cast Bronze — Stainless Steel Pin

No.	Plain Each	Chromium Plated Each	Dimensions Plate Inches	Inside Handle Inches	Weight Ounces
1			3 x 2-1/4	1-7/8 x 1	3-1/2
2			3-3/4 x 2-3/4	2-3/16 x 1-3/16	5-1/2

Size No. 1 Same Appearance as Fig. 1220

Illustration is Size No. 2

Standard Package, 5 Pieces.



Fig. 776

SKIN PACK — Fig. 776-SP ★

No. 1 Chromium Plated
 One Handle Per Card
 Six Cards Per Box
 Weight Per Box, 1¼ Pounds
 Sold To Trade In Full Box Only

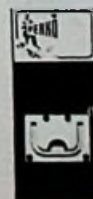
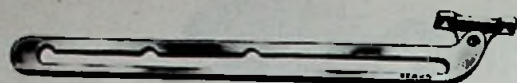


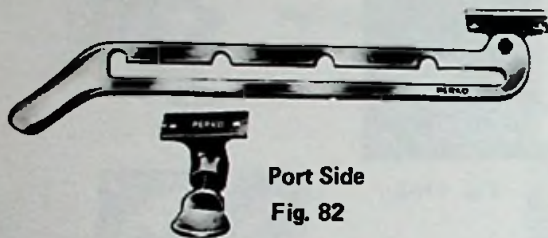
Fig. 776-SP



Side
Mounting
Fig. 1290



Offset
Mounting
Fig. 1291



Port Side
Fig. 82

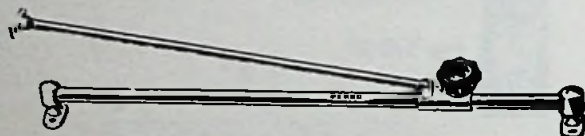


Fig. 360

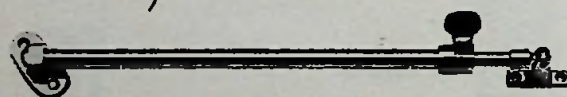


Fig. 1179

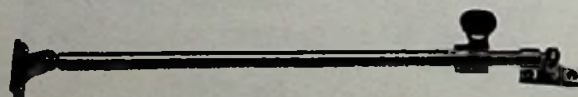


Fig. 1180

WINDSHIELD ADJUSTERS—Figs. 1290 & 1291

Die Cast Zinc Alloy — Chromium Plated

Per Pair	Length Overall Inches	Length Adjustment Inches	Diam. Knob Inches	Weight Per Pair Pounds
	12	9-1/2	1-3/4	1-1/2

Spare Arms with Mounting Bracket and Knob Specify Fig. 1290 99-A or Fig. 1291 99-A

Specify if Port or Starboard Side. Illustration is Port Side.

Spare Mounting Brackets with Knob Specify Fig. 1290-99B or Fig. 1291 99-B

Spare Knobs Specify Fig. 1292



WINDSHIELD ADJUSTERS—Fig. 82

Bronze — Chromium Plated

Per Pair	Length Overall Inches	Length Adjustment Inches	Weight Per Pair Pounds
	12	9-1/2	2-3/8

NOTE — When ordering 1/2 pair, specify whether for port or starboard side.

Spare Thumb Screws, Specify Fig. 82-99 A.

Spare Arms with Base, Specify Fig. 82-99 B Specify Port or Starboard



"SKIPPER" WINDSHIELD ADJUSTER—Fig. 360

Chromium Plated — For Heavy Cruiser Windshields

Enables the skipper to adjust the windshield with one hand without leaving the wheel. The large bakelite knob is used for pushing, pulling, tightening or loosening in one operation.

Each	Length Base Overall Inches	Length Windshield Arm Inches	Length of Adjustment Inches	Weight Pounds
	27-1/2	23	22-1/2	3-3/4

Spare Knobs, Specify Fig. 360-99 A.

Spare Slide Body with Plastic Friction Pad.

Specify, Fig. 360-99 B.

Spare End Stanchions, See Fig. 1297.

Special sizes to order, in manufacturing quantities only.



WINDSHIELD ADJUSTERS—Fig. 1179

Heavy Pattern — Chromium Plated

Illustration shows swivel base on left side and swinging base on right.

No.	Each	Length Closed Inches	Length Open Inches	Diam. Outside Tube Inches	Weight Ounces
1		10	18	1/2	9
2		12	20	1/2	11

Spare Thumb Screws, Specify Fig. 1117.

Spare Swinging Base with Female Threaded Socket, Specify Fig. 1136.



WINDSHIELD ADJUSTERS—Fig. 1180

Chromium Plated

A powerful non-slip grip keeps this adjuster in desired position.

Each	Length Closed Inches	Length Open Inches	Diam. Outside Tube Inches	Weight Ounces
	12	21	1/2	10

Spare Thumb Screws, Specify Fig. 1117.

Spare Swinging Base with Female Threaded Socket, Specify Fig. 1136.

Spare Swinging Base with Male Threaded Plug, Specify Fig. 1138.

WINDSHIELD ADJUSTERS—Fig. 1116

Chromium Plated

No.	Each	Length Inches	Diam. Rod Inches	Weight Ounces
1		8	3/8	11
2		10	3/8	12
3		12	3/8	13

Spare Thumb Screws, Specify Fig. 1117.

Spare Swivel with Base and Set Screw, Specify Fig. 1116-99 A.

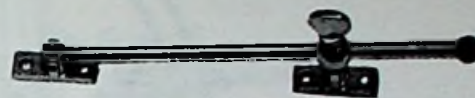


Fig. 1116

HATCH ADJUSTERS—Fig. 797

Chromium Plated — Improved With Stop Teeth in Back of Slide.

Chromium Plated Each	Length Arm Inches	Length Adjustment Inches	Length Slide Inches	Weight Ounces
	10	9-1/2	10-3/4	13

Spare Knobs, Specify Fig. 1292.



Fig. 797

HATCH FASTENERS OR WINDSHIELD KEEPER—Fig. 155

Brass — Chromium Plated — With Phosphor Bronze Internal Spring

This fastener has strong spring action providing quick grip or release.

Each	Length Overall Inches	Size of Mounting Inches	Standard Package	Weight Ounces
	3-7/8	1-1/2x9/16	5	3-1/4



Fig. 155

WINDSHIELD KEEPER OR HATCH FASTENER—Fig. 697

Chromium Plated

Per Set	Base of Keeper Inches	Base of Plate Inches	Standard Package	Weight Ounces
	1-1/2x5/8	1-1/2x3/4	10	3

A set consists of parts illustrated.



Fig. 697



HATCH FASTENER OR WINDSHIELD KEEPER—Fig. 769

Chromium Plated

Each	Dimensions For Each Base Inches	Standard Package	Weight Ounces
	1-1/2x5/8	10	4-1/2

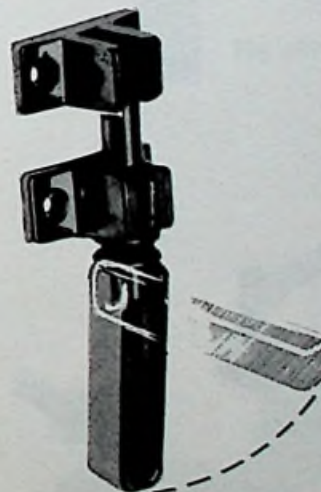


Fig. 769

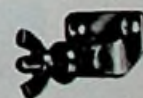


Fig. 967

WINDSHIELD KEEPER OR HATCH FASTENER—Fig. 967

Cast Bronze — Chromium Plated

Per Set	Base Of Keeper Inches	Base of Plate Inches	Length Bolt Inches	Standard Package	Weight Ounces
	1-9/16x1	1-7/8x7/8	1-1/4	5	6

Fig. 1112



Fig. 1113

Fig. 1112-SP
Fig. 1113-SP



HATCH HOLD-DOWN CLAMPS—Figs. 1112 & 1113

Pressure Cast Bronze — Polished Chromium Plated

An excellent item with many uses, on hatch covers, windshields, windows, bait and fish boxes, etc.

Flat Mounting Fig. 1112

Each	Length Inches	Width Inches	Standard Package	Weight Ounces
	3	1-1/2	5	5-1/2

Spare Keepers, Specify Fig. 1112-99 A.

Angle Mounting Fig. 1113

Each	Length Inches	Width Inches	Standard Package	Weight Ounces
	2-1/2	1-1/2	5	5-1/2

Spare Keepers, Specify Fig. 1113-99 A.



SKIN PACK — Fig. 1112-SP

SKIN PACK — Fig. 1113-SP

One Clamp Per Card

Three Cards Per Box

Weight Per Box, 1 1/4 Pounds

Sold To Trade In Full Box Only



ANTI-RATTLE DOOR OR HATCH FASTENER—Fig. 1108

Pressure Cast Bronze — Chromium Plated

Has 1/4 inch hole in lever for padlock.



Fig. 1108

Each	Size Base Inches	Standard Package	Weight Ounces
	2-3/4x1-3/4	5	4

Spare Keepers, Specify Fig. 1108-99 A.



HATCH SUPPORT HINGES—Fig. 762

Brass — Chromium Plated



Fig. 762

No.	Length Open Inches	Per Pair	For Screw No.	Weight Per Pair Ounces
1	10		8	10
2	12		8	12
3	14		8	14



SASH OR HATCH FASTENERS—Fig. 770

Pressure Cast Bronze — Stainless Steel Pin



Fig. 770

Chromium Plated Each	Extreme Length Overall Inches	Width Inches	Length Thread Inches	Standard Package	Weight Ounces
	3-3/4	1-5/8	2-1/4	5	6

Spare Knurled Nut, Specify Fig. 770-99 A.

Spare Keeper, Specify Fig. 770-99 B.

SLIDING WINDOW HANDLE—Fig. 954

18-8 Stainless Steel — Polished — For 1/4 Inch Glass

A useful handle made for easier operation of sliding windows.

Each	Length Inches	Standard Package	Weight Ounces
	3	5	1



Fig. 954

SLIDING WINDOW STOP—Fig. 935

Die Cast Zinc Alloy — Chromium Plated

Each	Mounting Plate Inches	Stopping Plate Inches	Standard Package	Weight Ounces
	1-7/8x3/4	1-1/2x3/4	5	2



Fig. 935

SLIDING WINDOW LOCK AND ANTI RATTLER—Fig. 937

Die Cast Zinc Alloy — Chromium Plated — Bakelite Knob
Plastic Tip

Each	Height Overall Inches	Mounting Plate Inches	*Length Screw Inches	Standard Package	Weight Ounces
	1-5/8	1x5/8	1-1/8	5	1-1/4



Fig. 937

*Between Knob and Tip

Spare Knobs, Specify Fig. 943.

Spare Plastic Tips, Specify Fig. 944.



Fig. 937-SP

SKIN PACK — Fig. 937-SP

Two Locks Per Card

Six Cards Per Box

Weight Per Box, 2 Pounds

Sold To Trade In Full Box Only

SLIDING WINDOW LOCK AND ANTI RATTLER—Fig. 934

Die Cast Zinc Alloy — Chromium Plated — Bakelite Knob
Plastic Tip

Each	Height Overall Inches	Dimensions Base Inches	*Length Screw Inches	Standard Package	Weight Ounces
	1	2x5/8	1-1/8	5	1-1/4



Fig. 934

*Between Knob and Tip

Spare Knobs, Specify Fig. 943

Spare Plastic Tips, Specify Fig. 944.

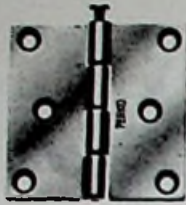


Fig. 1293

BUTT HINGES—Fig. 1293

Die Cast Zinc Alloy – Chromium Plated
Stainless Steel Removable Pin

No.	Per Pair	Size Open Inches	For Screw No.	Weight Per Pair Ounces
2		1-1/2 x 1-1/2	8	2
3		2 x 1-1/2	8	2-1/2
4		2 x 2	8	3
5		2-1/2 x 2	8	4-1/2
6		2-1/2 x 2-1/2	8	5
7		3 x 3	10	7-1/2

Sizes 2-3-4 have 4 Screw Holes – Sizes 5-6-7 have 6 Screw Holes.
Standard Package, 5 Pairs.



Fig. 1293-SP

SKIN PACK – Fig. 1293-SP

Size No. 4 – 2"x2"

One Pair Per Card

Ten Cards Per Box

Weight Per Box, 2 1/4 Pounds

Sold To Trade In Full Box Only.

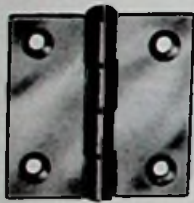


Fig. 952

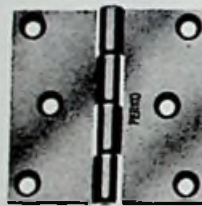


Fig. 949

BUTT HINGES—Figs. 952 & 949

Heavy Gauge Wrought Brass
Fig. 952 Has A Removable Pin
Fig. 949 Has A Fast Pin

No.	Plain Brass Per Pair	Chromium Plated Per Pair	Size Open Inches	For Screw No.	Standard Package	Weight Per Pair Ounces
1			1-1/2 x 1-1/4	8	5 Prs.	2
2			1-1/2 x 1-1/2	8	5 Prs.	2-1/2
3			2 x 1-1/2	8	5 Prs.	2-3/4
4			2 x 2	8	5 Prs.	4
5			2-1/2 x 2	8	1 Pr.	5
6			2-1/2 x 2-1/2	8	1 Pr.	6-3/4
7			3 x 3	10	1 Pr.	9-1/2

Sizes 1-2-3-4 have 4 Screw Holes – Sizes 5-6-7 have 6 Screw Holes.



Fig. 120

STRAP HINGES—Fig. 120

Pressure Cast Bronze – Stainless Steel Pin

No.	Burnished Per Pair	Chromium Plated Per Pair	Length Open Inches	Width At Pin Inches	Standard Package	Weight Per Pair Ounces
1			4	1-1/16	5 Prs.	4
2			6	1-1/8	5 Prs.	6
3			8	1-3/16	1 Pr.	14

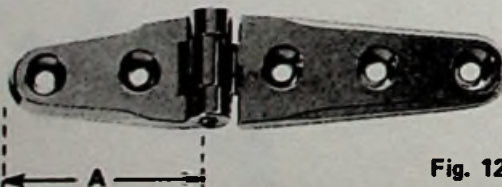


Fig. 122

SHORTSIDE STRAP HINGES—Fig. 122

Pressure Cast Bronze – Stainless Steel Pin

Length Open Inches	Chromium Plated Per Pair	Width Inches	For Screw No.	Weight Per Pair Ounces
4-3/8		1-7/8	10	5

Dimension "A" to Center of Pin 2"

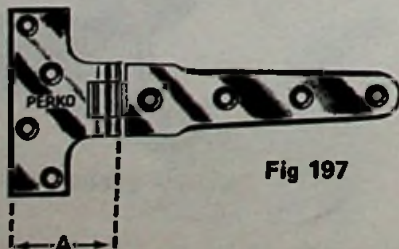


Fig. 197

"T" HINGES—Fig. 197

Cast Bronze – Stainless Steel Pin

No.	Burnished Per Pair	Chromium Plated Per Pair	Length Overall Inches	Width Overall Inches	Diam. "A" Inches	Standard Package	Weight Per Pair Pounds
1			4	2-1/8	1-3/16	5 Prs.	1/2
2			6	3	1-1/2	1 Pr.	7/8
3			8	3-7/8	2	1 Pr.	1-1/2

BUY STANDARD PACKAGES

CUDDY DOOR HINGES—Fig. 808

Die Cast Zinc Alloy — Chromium Plated
With Stainless Steel Pin

Per Pair	Length Open Inches	Extreme Width Inches	For Screw No.	Weight Per Pair Ounces
	3	1-1/2	8	3-1/2

Standard Package, 5 Pairs.



Fig. 808

SKIN PACK — Fig. 808-SP

One Pair Per Card

Ten Cards Per Box

Weight Per Box, 2¾ Pounds

Sold To Trade In Full Box Only



Fig. 808-SP

HEAVY DUTY CUDDY DOOR HINGES—Fig. 951

Pressure Cast Bronze — Chromium Plated 18-8 Stainless
Steel Pin

No.	Length Open Inches	Per Pair	Width Inches	For Screw No.	Weight Per Pair Ounces
1	3		1-1/2	8	3-1/2
2	4		1-1/2	8	5-1/2

Standard Package, 5 Pairs.

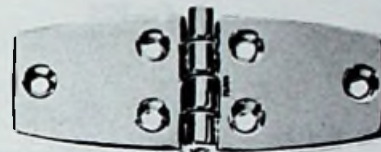


Fig. 951

HEAVY DUTY CABINET HINGES— Figs. 987 & 1213

Pressure Cast Bronze or Die Cast Zinc Alloy
Surface Type — 18-8 Stainless Steel Pin

Fig. No.	Length Open Inches	Chromium Plated Per Pair	Width Inches	For Screw No.	Weight Per Pair Ounces
987 1	2-1/4		1-1/2	8	3-1/2
987 2	2-3/4		1-1/2	8	4
1213 1	2-1/4		1-1/2	8	3

Dimension "A" — 9/16"

Standard Package, 5 Pairs.

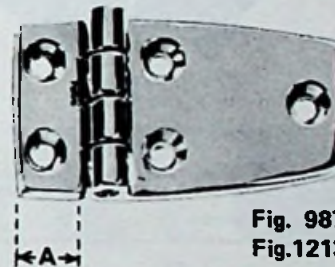


Fig. 987 — Bronze
Fig. 1213 — Die Cast

HEAVY DUTY CABINET HINGES— Figs. 988 & 1214

Pressure Cast Bronze or Die Cast Zinc Alloy 3/8" Offset
Type — 18-8 Stainless Steel Pin

Fig. No.	Length Open Inches	Chromium Plated Per Pair	Width Inches	For Screw No.	Weight Per Pair Ounces
988 1	2-1/4		1-1/2	8	4
988 2	2-3/4		1-1/2	8	5
1214 1	2-1/4		1-1/2	8	4

Dimension "A" — 11/16"

Standard Package, 5 Pairs.

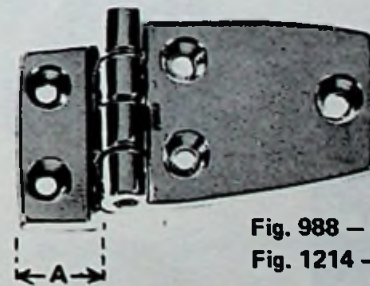


Fig. 988 — Bronze
Fig. 1214 — Die Cast

HEAVY DUTY SHORTSIDE HINGES—Fig. 999

Pressure Cast Bronze — Chromium Plated 18-8 Stainless
Steel Pin

Length Open Inches	Per Pair	Width Inches	For Screw No.	Weight Per Pair Ounces
3-1/2		1-1/2	8	5

Dimension "A" — 1-5/16"

Standard Package, 5 Pairs.

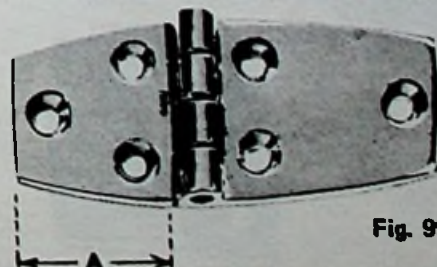


Fig. 999

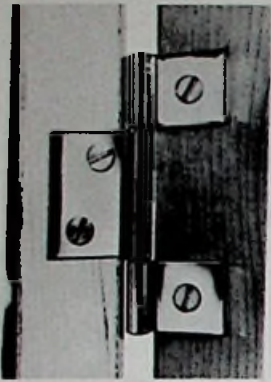


Fig. 957



Fig. 924



Fig. 924-SP



Fig. 1058



Fig. 929

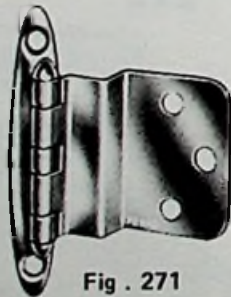


Fig. 271

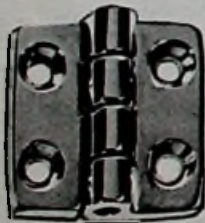


Fig. 941

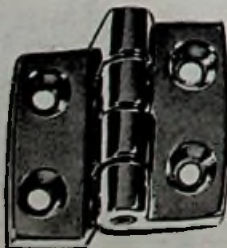


Fig. 942

NON-MORTISED HINGE—Fig. 957

Heavy Gauge Wrought Brass — Fast Pin — Chromium Plated Reversible, does not require mortising. Reduces installation cost.

Per Pair	Pin Length Inches	Width Closed Inches	For Screw No.	Std. Pkg.	Weight Per Pair
	3-3/8	7/8	8	5 pr	4 oz

CUDDY DOOR HINGES—Fig. 924

Wrought Brass — Thickness .051 Inches — Stainless Steel Pin

Chromium Plated Per Pair	Length Open Inches	Extreme Width Inches	Standard Package	Weight Per Pair Ounces
	3	1-1/2	5 Pairs	2-1/2

SKIN PACK — Fig. 924-SP

One Pair Per Card

Twelve Cards Per Box

Weight Per Box, 2 Pounds

Sold To Trade In Full Box Only

BUTTERFLY HINGES—Fig. 1058

Wrought Brass

No.	Length Open Inches	Width at Pin Inches	Thickness Inches	Weight Per Pair Ounces
1	2-1/4	3/4	.040	1/2
2	3	1-1/16	.045	1-1/2

Standard Package, 10 Pairs.

FLAP HINGES—Fig. 929

Stainless Steel — Polished — Thickness .050 Inches

Per Pair	Length Open Inches	Extreme Width Inches	Standard Package	Weight Per Pair Ounces
	2-1/16	3/4	10 Pairs	1

"SEMI-CONCEALED" HINGE—Fig. 271

Wrought Brass — Chromium Plated

For use on doors with 3/8" inset.

Per Pair	Dimensions Overall Inches	Standard Package	Weight Per Pair Ounces
	2-3/4x2-1/8	10 Pairs	2-1/2

HEAVY DUTY CABINET HINGES — Fig. 941

Die Cast Zinc Alloy — Chromium Plated with Stainless Steel Pin — Surface Type

Per Pair	Size Open Inches	For Screw No.	Weight Per Pair Ounces
	1-1/2x1-1/2	8	2-1/4

Dimension "A" — 1/2"

Standard Package, 5 Pairs

HEAVY DUTY CABINET HINGES — Fig. 942

Die Cast Zinc Alloy — Chromium Plated with Stainless Steel Pin — 3/8" Offset Type

Per Pair	Size Open Inches	For Screw No.	Weight Per Pair Ounces
	1-1/2x1-1/2	8	2-1/2

Dimension "A" — 9/16"

Standard Package, 5 Pairs

"PULL-OUT" HINGE—Fig. 149

Pressure Cast Bronze — Chromium Plated
Left Hand

Each	Length Inches	Width at Pin Inches	Standard Package	Weight Ounces
	3-3/4	2	2	5-1/2

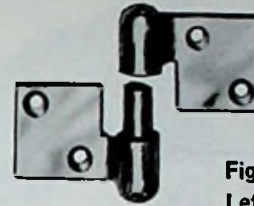


Fig. 149
Left Hand

"PULL-OUT" HINGE — Fig. 152

Pressure Cast Bronze — Chromium Plated
Right Hand

Each	Length Inches	Width at Pin Inches	Standard Package	Weight Ounces
	3-3/4	2	2	5-1/2

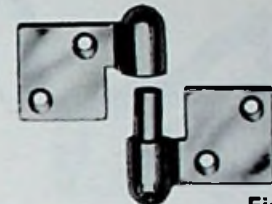


Fig. 152
Right Hand

HATCH HINGES—Fig. 773

Cast Bronze

For use with flush hatch cover.

Burnished Per Pair	Chromium Plated Per Pair	Length Inches	Width Overall Inches	Weight Per Pair Pounds
		3-1/8	2-5/8	1-5/8

Illustration shows one half pair.



Fig. 773

CONTINUOUS HINGE—Figs. 211 & 212

For use on Hatch Covers, Locker Doors, Windshields, etc.
Countersunk holes are two inches apart, center to center.

BRASS — FIG. 211

No.	Chromium Plated Each	Width Open Inches	Length Inches	Thickness Inches	For Screw No.	Weight Pounds
2		1-1/4	72	.040	5	1-1/2
4		1-1/2	72	.040	5	2
6		2	72	.045	6	2-1/2

Standard Package, 10 Pieces. Minimum Quantity, No Broken Packages.



Brass, Chromium Plated — Fig. 211
Stainless Steel, Polished — Fig. 212

STAINLESS STEEL — FIG. 212

Type No. 304, 18-8, Polished

No.	Each	Width Open Inches	Length Inches	Thickness Inches	For Screw No.	Weight Pounds
2		1-1/4	72	.040	5	1-1/3
4		1-1/2	72	.040	6	2

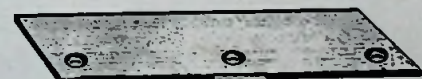
Standard Package 10 Pieces. Minimum Quantity, No Broken Packages.

FLAT HATCH TRIM—Figs. 243 & 258

For finishing around edges of hatch. Drilled and countersunk off center for No. 6 flat head screws.

BRASS — FIG. 243

No.	Chromium Plated Each	Width Inches	Length Inches	Thickness Inches	*Standard Package	Weight Pounds
2		1-1/4	72	.040	10	1
4		1-1/2	72	.040	10	1-1/2



Brass, Chromium Plated — Fig. 243
Stainless Steel, Polished — Fig. 258

STAINLESS STEEL — FIG. 258

Type 302 — Polished

No.	Each	Width Inches	Length Inches	Thickness Inches	*Standard Package	Weight Pounds
2		1-1/4	72	.040	10	1
4		1-1/2	72	.040	10	1-1/2

*Above Standard Package Is Minimum. No Broken Packages.



Fig. 958



Fig. 925

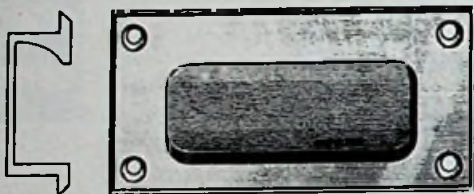


Fig. 1110



Fig. 975



Fig. 610



Fig. 610-SP



Fig. 1106

DRAWER PULLS—Fig. 958

Die Cast Zinc Alloy — Chromium Plated

Each	Width Overall Inches	Width Inside Inches	Standard Package	Weight Ounces
	3-7/16	2-5/16	10	1

DRAWER KNOBS—Fig. 925

Brass — Chromium Plated —
For Drawers Up To 1-1/8" Thick

Each	Diameter Inches	Standard Package	Weight Ounces
	1	10	1-1/2

FLUSH PULLS—Fig. 1110

Die Cast Zinc Alloy — Chromium Plated — For Drawers, Sash Or Sliding Doors

Each	Dimensions Overall Inches	Depth Inches	Standard Package	Weight Ounces
	3-11/16x1-11/16	7/16	5	3

Inside recessed for finger grip as illustrated.

COAT AND HAT HOOK—Fig. 975

Die Cast Zinc Alloy — Chromium Plated

No.	Each	Projection Inches	Width Base Inches	Standard Package	Weight Ounces
1		2	1-1/8	10	1
2		3	1-1/4	10	1-1/2

WARDROBE OR UTILITY HOOK — Fig. 610

Die Cast Zinc Alloy — Chromium Plated

Each	Projection Inches	Width Base Inches	Standard Package	Weight Ounces
	1-3/8	1-1/8	10	1/2

SKIN PACK — Fig. 610-SP

Two Hooks Per Card.

Six Cards Per Box.

Weight Per Box, 10 Ounces.

Sold To Trade In Full Box Only.

WARDROBE HOOK—Fig. 1106

Die Cast Zinc Alloy — Chromium Plated

Each	Projection Inches	Width Base Inches	Standard Package	Weight Ounces
	3/4	1	10	3/4

SECURITY HINGED HASPS – Fig. 998

Pressure Cast Bronze – Chromium Plated 18-8 Stainless Steel Pin

No.	Each	Length Closed Inches	Width Inches	Weight Ounces
1		2	1	2
2		3	1	3

Spare Keepers, Specify Fig. 959, Chrome.
Standard Package, 10.



Fig. 998

SECURITY HINGED HASPS—Fig. 979

Wrought Brass – 14 B. & S. Gauge

Polished Brass Each	Chromium Plated Each	Length Closed Inches	Width Inches	Standard Package	Weight Ounces
		2-7/8	1	10	1-1/4



Fig 979

SECURITY HINGED HASPS—Fig. 1198

Die Cast Zinc Alloy— Chromium Plated

No.	Each	Length Closed Inches	Width Inches	Standard Package	Weight Ounces
1		2	1	10	1-1/2
2		3	1	10	2-1/4
3		3-3/4	1	10	2-1/2

Spare Keepers, See Fig. 1261



Fig. 1198

SKIN PACK – Fig. 1198-SP

Size No. 2

One Hasp Per Card.

Twelve Cards Per Box.

Weight Per Box, 2½ Pounds.

Sold To Trade In Full Box Only.



Fig. 1198-SP

HINGED LOCKING HASP—Fig. 1194

Die Cast Zinc Alloy – Chromium Plated

Padlock eye swivels to act as a latch.

Each	Length Closed Inches	Width Inches	Standard Package	Weight Ounces
	3	1	10	2-1/2

Spare Keepers, Specify Fig. 1194-99 A.



Fig. 1194

SKIN PACK – Fig. 1194-SP

One Hasp Per Card.

Five Cards Per Box.

Weight Per Box, 1¼ Pounds.

Sold To Trade In Full Box Only.



Fig. 1194-SP

LADDER HINGES—Fig. 556

Cast Manganese Bronze – Chromium Plated

Per Pair	Length Open Inches	Width Inches	Standard Package	Weight Per Pair Ounces
	5-3/4	3/4	1 Pair	8

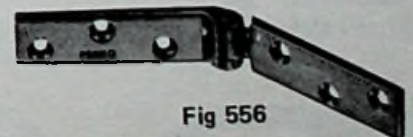


Fig 556

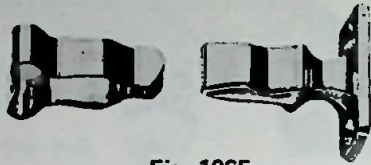


Fig. 1065

DOOR HOLDERS—Fig. 1065

Stainless Steel Clip — Chromium Plated Arrow

Per Set	Base of Arrow Inches	Base of Clip Inches	Projection Inches	Weight Ounces
	1-5/8x3/4	1-3/8x7/16	1-3/4	2

Standard Package, 5 Sets.



Fig. 1177

DOOR STOP—Fig. 1177

Rubber Bumper with Chromium Plated Holder

Each	Diameter Inches	Length Inches	Standard Package	Weight Ounces
	1-1/4	1	5	1

DOOR STOP AND HOLDER—Fig. 574

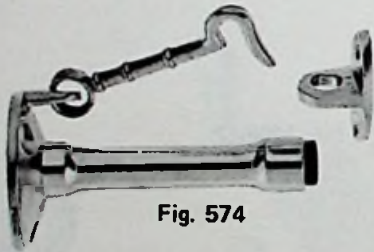


Fig. 574

Pressure Cast Bronze — Chromium Plated

No.	Each	Length Inches	Diameter Base Inches	Weight Ounces
1		2-3/8	1-3/4	4-1/2
2		3-1/4	1-3/4	5-1/2

Spare Keepers, Specify Fig. 959 Chrome.

TABLE LEG FASTENERS—Fig. 719

Brass — For Fastening Table Leg To Deck



Fig. 719

Chromium Plated Each	Length Angle Inches	Width Angle Inches	Standard Package	Weight Ounces
	1-3/8	1	5	3

Spare Thumb Screws, Specify Fig. 719-99 A.

Spare Angle Brackets, Specify Fig. 719-99 B.

ALL BRASS "DURABLE TYPE" FASTENERS

Nickel Plated

Stud Fig. 900 has brass 3/8" No. 7 wood screw.
 Stud Fig. 906 has steel 3/8" No. 7 self-tapping screw.
 Stud Fig. 917 has brass 8-32 machine screw 3/8" long.
 For canvas to wood, use Figs. 896, 898 and 900.
 For canvas to canvas, use Figs. 896, 898, 901 and 907.

Fig.	Per 100
896	
898	
900	
901	
906	
907	
917	

Standard Package, 100 Pieces, Minimum, No Broken Packages.



"LIFT TYPE" ALL BRASS FASTENERS

Nickel Plated

Stud Figs. 114 & 115 have brass 3/8 inch No. 8 wood screw.
 Stud Fig. 90 has steel 3/8 inch No. 8 self tapping screw.
 Single Studs are used with one Fig. 116 and one Fig. 118.
 Double Studs are used with two Fig. 117 and two Fig. 118.

Fig.	Per 100
60	
62	
90	
114	
115	
116	
117	
118	

Standard Package, 100 Pieces, Minimum, No Broken Packages.



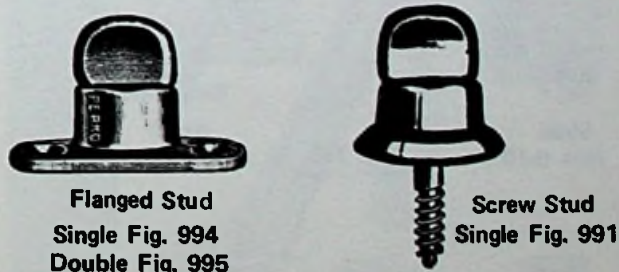
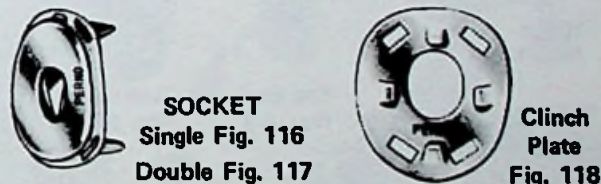
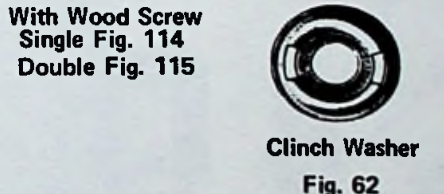
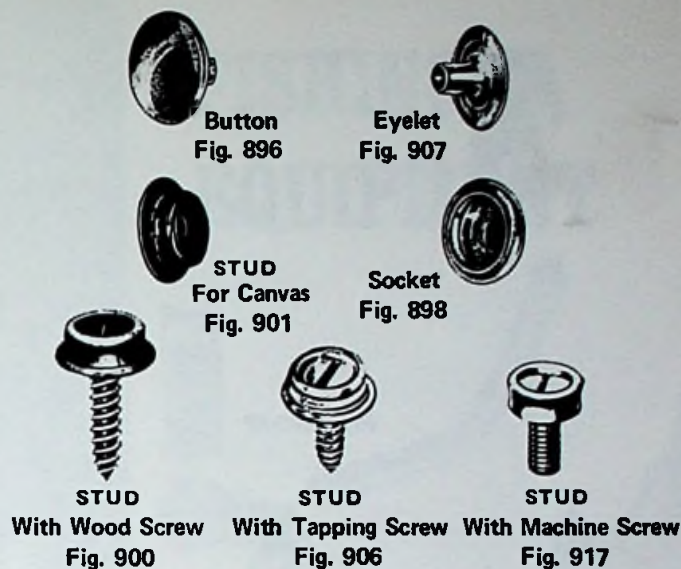
ALL BRASS CURTAIN FASTENERS

Nickel Plated

Stud Fig. 991, has brass 3/8" No. 7 wood screw.
 Single Studs used with one Fig. 996 and one Fig. 997.
 Double Studs used with two Fig. 996 and two Fig. 997.

Fig.	Per 100
991	
994	
995	
996	
997	

Standard Package, 100 Pieces, Minimum, No Broken Packages.



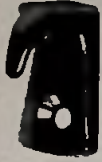


Fig. 1249

LASHING HOOK—Fig. 1249

For Boat Covers — Die Cast Zinc Alloy — Chromium Plated

Chromium Plated Each	Length Overall Inches	Width Overall Inches	Inside Hook Inches	For Screw No.	Standard Package	Weight Ounces
	15/16	1/2	1/4	6	50	1/2

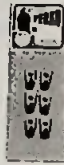


Fig. 1249-SP

SKIN PACK — Fig. 1249-SP

Six Hooks Per Card.

Ten Cards Per Box.

Weight Per Box, 2 1/4 Pounds.

Sold To Trade In Full Box Only.

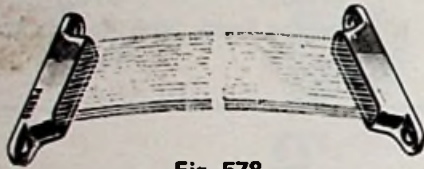


Fig. 578

BOAT COVER SOCKETS—Fig. 578

Die Cast Zinc Alloy — Chromium Plated

Sockets will accommodate a piece of wood lattice 3/8 inches thick and up to 1-3/4 inches wide.

Per Pair	Length Overall Inches	Size Opening Inches	Width Overall Inches	For Screw No.	Weight Per Pair Ounces
	3-1/4	1-7/8x7/16	5/8	8	2

Standard Package, 10 Pairs.

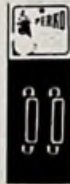


Fig. 578-SP

SKIN PACK — Fig. 578-SP

One Pair Per Card.

Twelve Cards Per Box.

Weight Per Box, 3 Pounds.

Sold To Trade In Full Box Only.



Hinge Nos. 1-11



Eye End Nos. 5-9



Socket No. 3



Slide Nos. 6-10



Side Plate No. 8

CONVERTIBLE TOP FITTINGS—Fig. 395

Die Cast Zinc Alloy — Chromium Plated

For 3/4 and 7/8 Inch Tubing

No.	Each	Item
1		Hinge for 3/4 inch fittings
3		Socket for 3/4 inch tubing
5		Eye End for 3/4 inch tubing with .049" Wall
6		Slide for 3/4 inch tubing
8		Side Mounting Plate
9		Eye End for 7/8 inch tubing
10		Slide for 7/8 inch tubing
11		Hinge for 7/8 inch fittings

Standard Package 10 pieces.
Average Weight — 2 ounces each.

Fig. 395



No. 1



No. 3



No. 6

Fig. 395-SP

SKIN PACK — Fig. 395-SP

Part Nos. 1-3-6 Only

Two Fittings Per Card.

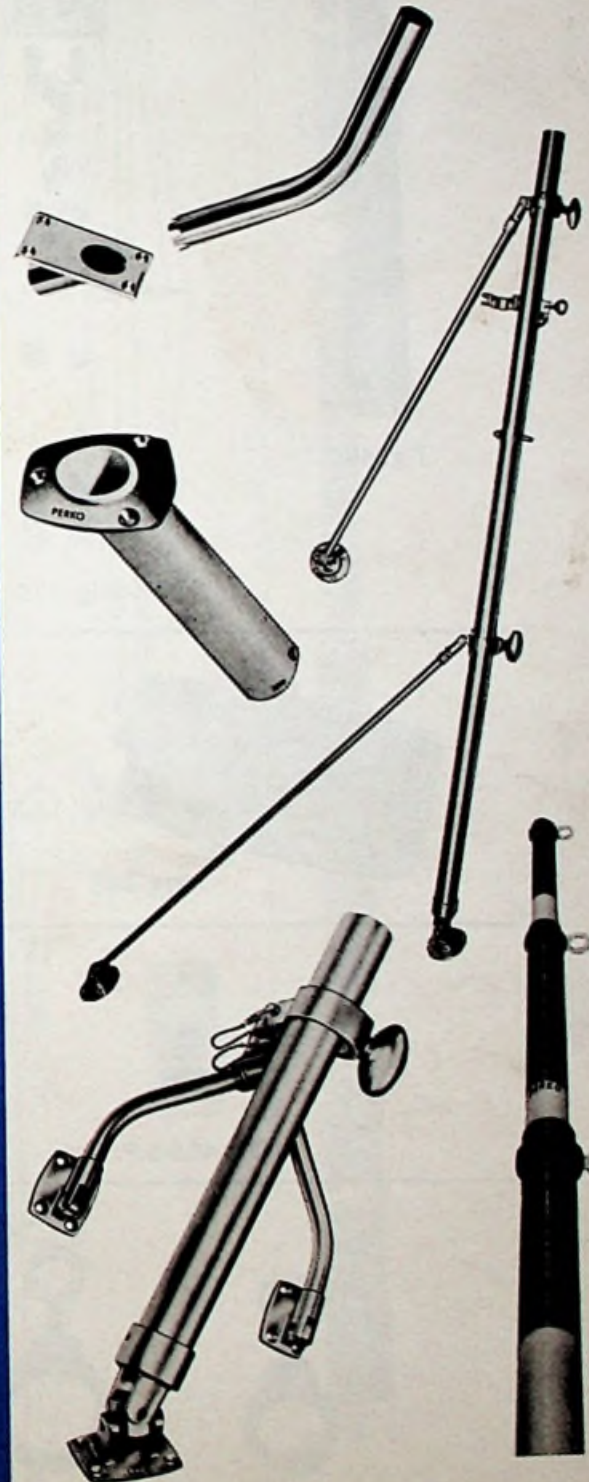
Six Cards Per Box.

Weight Per Box, 1 1/4 Pounds.

Sold To Trade In Full Box Only.

PERKO®

FISHING EQUIPMENT



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Fig. 460

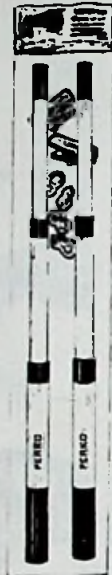


Fig. 476

TELESCOPIC FIBERGLASS OUTRIGGERS—Fig. 460

Complete with Fig. 468 Guides

Hollow — Tapered — With Reinforced Joints

This sturdy model is impervious to heat, cold, moisture and sun. Base and tip are equipped with plugs.

No.	Diameter Base Inches	Overall Length Open Feet	Overall Length Closed Inches	Number of Sections	Weight Pounds
15	1.125	15	66	3	2½

Will Fit Holders, Figs. 444, 451 or 1314, Size No. 1.

SPARE SECTIONS SPECIFY

Top — 99A 2nd — 99B

Bottom — 99C

FIBERGLASS OUTRIGGER KITS—Fig. 476

Consists of 1 pair Fig. 460 No. 15 Poles, 2 Fig. 469 Clips and Fig. 468 Guides.

SOLD TO TRADE IN LOTS OF 3 KITS ONLY.



Fig. 469

OUTRIGGER TROLLING PIN OR CLIP—Fig. 469

High Impact Black Plastic — Stainless Steel Eyes and Spring — All Salt Water Resistant

Dimensions Inches	Standard Package	Weight Ounces
2¾ x 1-3/8	10	1½



Fig.469-S.P.

SKIN PACK—Fig.469-S.P.

1 Pair per Card
6 Cards per Box
Weight per Box 3 Pounds.

SOLD TO TRADE IN FULL BOX ONLY.

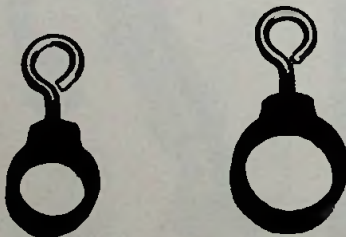


Fig. 468

OUTRIGGER POLE LINE GUIDES—Fig. 468

18-8 Stainless Steel Eye for Durability — Black Plastic Body Ultra-Violet Stabilized for Longer Life

No.	I.D. Ring Inches	I.D. Guide Inches	Weight Ounces
1	9/16	3/8	¼
2	5/8	3/8	¼
3	¾	3/8	¼
4	1	3/8	¼
5	1-3/16	3/8	½
6	1½	3/8	½

Standard Package, 6 Pieces.

OUTRIGGER POLES

FIG. 1098

ANODIZED ALUMINUM

4 FOOT SECTIONS

Easily assembled to length desired. Joints are friction fitted and threaded.

Outriggers for rough water and large game fish should be stiff and strong enough to do the job required. These poles will meet that need.

The Guides are plastic and the base of the pole is sleeved with plastic to insulate against corrosion.

No.	"A" Length Assembled Feet	"B" Diameter Base Inches	"C" Quantity Sections	"D" Quantity Guides	Weight Per Pair Pounds
11	11½	1.125	3	2	4½
15	15	1.125	4	2	6
16	15	1.500	4	2	9
18	18½	1.500	5	3	14
19	18½	1.900	5	3	14½
22	22	1.900	6	3	20
25	25	1.900	7	3	27½

FOR ½ PAIR, SPECIFY FIG. 1098—99A AND SIZE.

SPARE SECTIONS

Size No.	Section	Size No.	Section
11-A	TOP	19-B	TOP
11-B	MIDDLE	19-C	SECOND
11-C	BOTTOM	19-D	THIRD
15-A	TOP	19-E	FOURTH
15-B	SECOND	19-F	BOTTOM
15-C	THIRD	22-B	TOP
15-D	BOTTOM	22-C	SECOND
16-B	TOP	22-D	THIRD
16-C	SECOND	22-E	FOURTH
16-D	THIRD	22-F	FIFTH
16-E	BOTTOM	22-G	BOTTOM
18-B	TOP	25-B	TOP
18-C	SECOND	25-C	SECOND
18-D	THIRD	25-D	THIRD
18-E	FOURTH	25-E	FOURTH
18-F	BOTTOM	25-F	FIFTH
		25-G	SIXTH
		25-H	BOTTOM

SPREADERS

FIGS. 1114 & 1115

When extra strength and stiffness is required, spreaders are the answer.

Supplied in packaged kits consisting of spreaders, stainless steel cable, eye bands and turnbuckles.

Fig. 1114 No. 18 Single, for Fig. 1098 Nos. 18 and 19 Poles

Fig. 1114 No. 22 Single, for Fig. 1098 No. 22 Poles

Fig. 1114 No. 25 Single, for Fig. 1098 No. 25 Poles

Fig. 1115 No. 22 Double, for Fig. 1098 No. 22 Poles

Fig. 1115 No. 25 Double, for Fig. 1098 No. 25 Poles

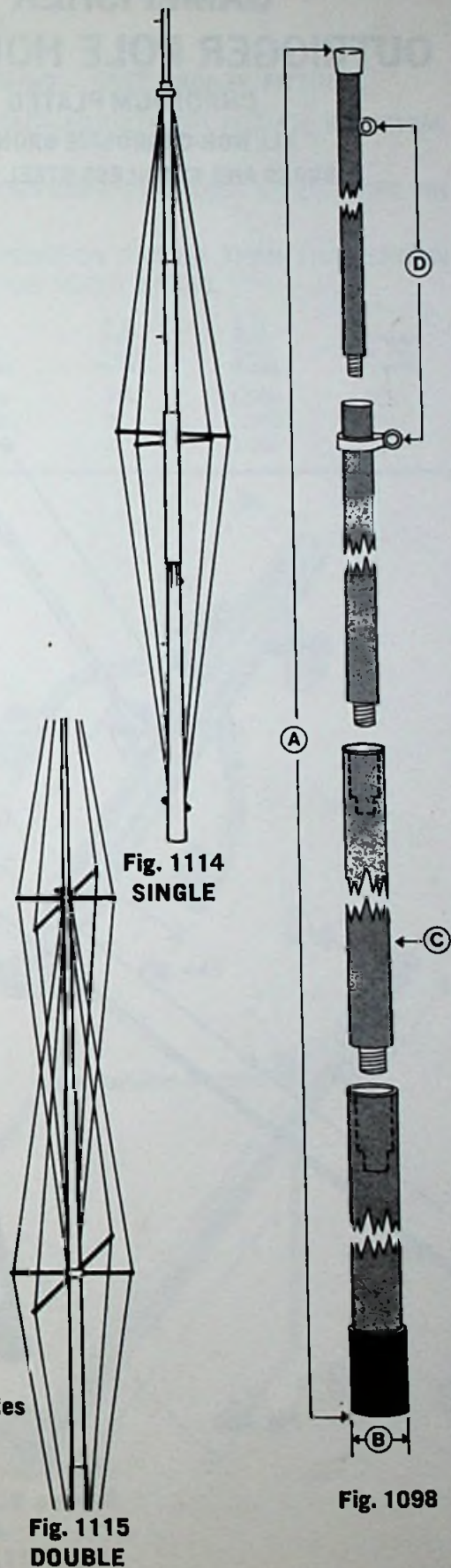


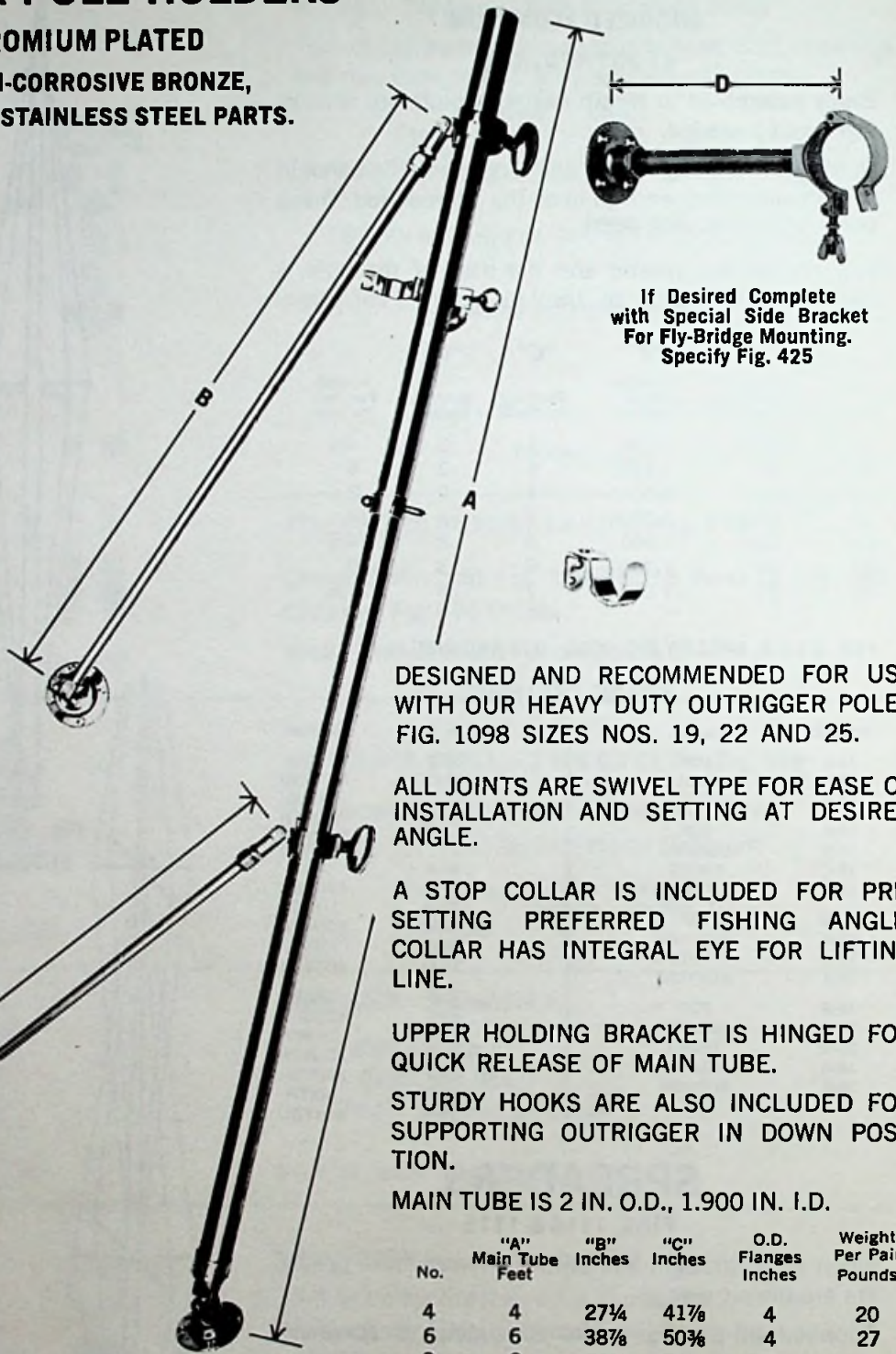
Fig. 1114 SINGLE

Fig. 1115 DOUBLE

Fig. 1098

**"GAMEFISHER"
OUTRIGGER POLE HOLDERS**

**CHROMIUM PLATED
ALL NON-CORROSIVE BRONZE,
BRASS AND STAINLESS STEEL PARTS.**



If Desired Complete
with Special Side Bracket
For Fly-Bridge Mounting.
Specify Fig. 425

DESIGNED AND RECOMMENDED FOR USE
WITH OUR HEAVY DUTY OUTRIGGER POLES
FIG. 1098 SIZES NOS. 19, 22 AND 25.

ALL JOINTS ARE SWIVEL TYPE FOR EASE OF
INSTALLATION AND SETTING AT DESIRED
ANGLE.

A STOP COLLAR IS INCLUDED FOR PRE-
SETTING PREFERRED FISHING ANGLE,
COLLAR HAS INTEGRAL EYE FOR LIFTING
LINE.

UPPER HOLDING BRACKET IS HINGED FOR
QUICK RELEASE OF MAIN TUBE.

STURDY HOOKS ARE ALSO INCLUDED FOR
SUPPORTING OUTRIGGER IN DOWN POSI-
TION.

MAIN TUBE IS 2 IN. O.D., 1.900 IN. I.D.

No.	"A" Main Tube Feet	"B" Inches	"C" Inches	O.D. Flanges Inches	Weight Per Pair Pounds
4	4	27¼	41⅞	4	20
6	6	38⅞	50¾	4	27
8	8	50¾	74½	4	34

"D"—ADJUSTABLE FROM 8¾" TO 9½"

SPARE HOLDING BRACKETS, SPECIFY FIG. 408

SPARE STOP COLLARS, SPECIFY FIG. 409

SPARE LAY DOWN HOOKS, SPECIFY FIG 410 NO. 2

SPARE SPECIAL SIDE BRACKETS ONLY FOR
FLY-BRIDGE MOUNTING, SPECIFY FIG. 426

Fig. 400

OUTRIGGER POLE HOLDERS

CHROMIUM PLATED

STAINLESS STEEL MAIN TUBE — BRASS YOKE TUBING — CAST BRONZE FITTINGS

THE SLIDING CLAMP WITH LARGE HAND GRIP PROVIDES READY ADJUSTMENT FOR ALL PRACTICAL UP AND DOWN POSITIONS.

TO RELEASE THE POLE HOLDER TO A DOWN AND AFT POSITION A STAINLESS STEEL DRIFT PIN IS PROVIDED IN THE SLIDING CLAMP.

MOUNTING YOKES MAY BE INSTALLED IN AN INVERTED POSITION RATHER THAN THAT SHOWN TO ACCOMMODATE THE VARIATIONS SUCH AN INSTALLATION MIGHT ENTAIL.

No.	Fig. 445 Per Pair	Fig. 470 Per Pair	"A" Inches	"B" Inches	O. D. Main Tube Inches	i. D. Main Tube Inches	Weight Per Pair Pounds
1			20	11 $\frac{3}{4}$	1 $\frac{5}{8}$	1.500	22
2			20	11 $\frac{3}{4}$	2	1.900	24
3			35	24	2	1.900	33

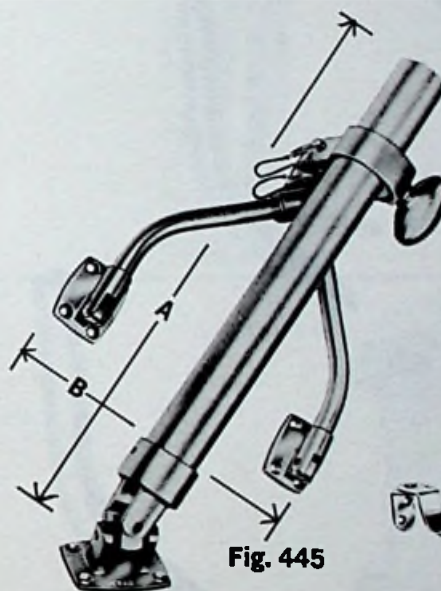
SAILFISH — Fig. 445

Has Swinging (Non-Swivel) Rectangular Mounting base.

Nos. 1 and 2 have clamp on one Mounting Bracket to hold Outrigger in vertical position.

No. 3 has Hinged Holding Bracket as supplied with Fig. 400. Also Stop Collar.

All sizes have Folding Lay-Down Hook.



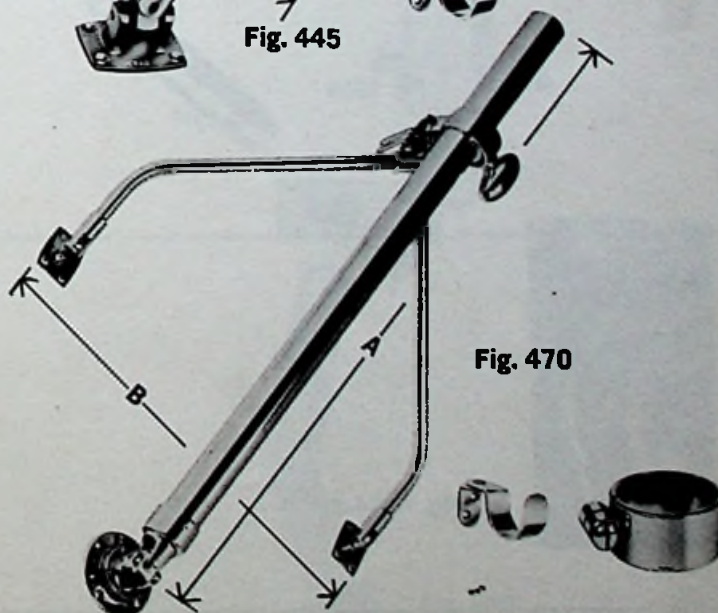
MARLIN — Fig. 470

Has Extra Heavy Swivel Mounting Base which enables the Holder to be mounted on a horizontal deck or a vertical surface such as Cabin Side, Bridge, etc.

Nos. 1 and 2 have clamp on one Mounting Bracket to hold Outrigger in vertical position.

No. 3 has Hinged Holding Bracket as supplied with Fig. 400.

All sizes have Stop Collar and Folding Lay-Down Hook.



SPARE PARTS

Spare Lay Down Hooks, Specify Fig. 410 and Size No.

Spare Stop Collars, Specify Fig. 415 and Size No.

Spare Hinged Holding Brackets, Specify Fig. 408.

SIZE NO. 1 WILL FIT OUTRIGGER POLES FIG. 1098 NOS. 16 and 18.

SIZE NO. 2 WILL FIT OUTRIGGER POLES FIG. 1098 NO. 19.

SIZE NO. 3 WILL FIT OUTRIGGER POLES FIG. 1098 NOS. 19, 22, 25.

OUTRIGGER POLE HOLDERS

SIDE OR DECK MOUNT TYPE

Requires very little mounting space — Tubes remove for uncluttered decks.
Lift Tube and turn for 3 positions — Vertical, fishing, and lowered for bridges.

Tubes are Universal — May Be Used on Either Side
Supplied in Pairs. A Pair consists of 2 Plates and 2 Tubes.

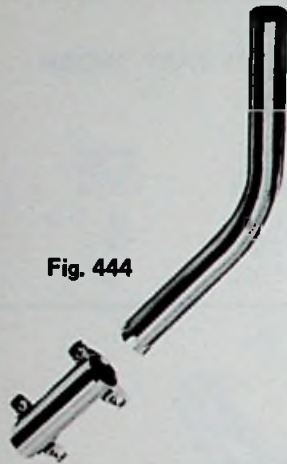


Fig. 444

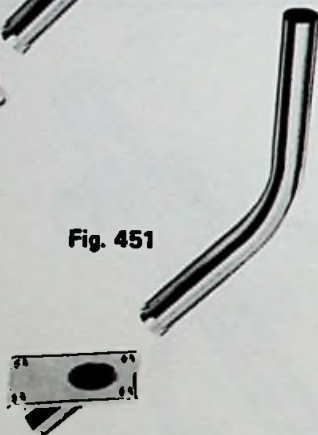


Fig. 451

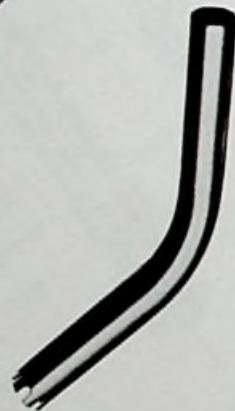


Fig. 1314

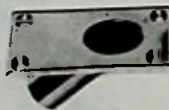


Fig. 1314-SP



SIDE MOUNT—Fig. 444

BRONZE, CHROMIUM PLATED BRACKETS
POLISHED STAINLESS STEEL TUBES

No.	Outside Diameter Tube Inches	Inside Diameter Tube Inches	Dimensions Bracket Inches	Weight Per Pair Pounds
1	1¼	1.125	4½ x 3	2¾
2	1½	1.500	6½ x 4	7

SPARE BRACKETS — SPECIFY FIG 478 AND SIZE NO.
SPARE TUBES — SPECIFY FIG. 479 AND SIZE NO.

DECK MOUNT—Fig. 451

BRONZE, CHROMIUM PLATED PLATES
POLISHED STAINLESS STEEL TUBES

No.	Outside Diameter Tube Inches	Inside Diameter Tube Inches	Dimensions Plate Inches	Weight Per Pair Pounds
1	1¼	1.125	5 x 2½	4½
2	1½	1.500	6 x 3½	12

SPARE PLATES — SPECIFY FIG. 474 AND SIZE NO.
SPARE TUBES — SPECIFY FIG. 479 AND SIZE NO.

DECK MOUNT—Fig. 1314

CHROMIUM PLATED PLATES
STAINLESS STEEL TUBES

For Outrigger Poles, Fig. 460 No. 15

No.	Outside Diameter Tube Inches	Inside Diameter Tube Inches	Dimensions Plate Inches	Weight Per Pair Pounds
1	1¼	1.125	5 x 2½	2¾

SPARE PLATES — SPECIFY FIG. 1320

SPARE TUBES — SPECIFY FIG. 1321

NOTE: NOT DESIGNED FOR USE WITH ALUMINUM POLES,
i.e. Fig. 1098

SKIN PACK—Fig. 1314-S.P.

ONE PAIR PER CARD,
FOUR CARDS PER BOX,
WEIGHT PER BOX, 10 POUNDS
SOLD TO TRADE IN FULL BOX ONLY

SIZE NO. 1 WILL FIT OUTRIGGER POLES FIGS. 460 NO. 15 AND 1098 NOS. 11 AND 15.

SIZE NO. 2 WILL FIT OUTRIGGER POLES FIG. 1098 NOS. 16 AND 18.

**CLAMP-ON
FISHING ROD HOLDER — Fig. 1118
CHROMIUM PLATED**

Clamp-On feature eliminates drilling rail — simplifies removal or relocation — mounts on vertical or horizontal rails.

Most fishermen will agree that there is no such thing as "too many rod holders" — Here is one for mounting on bow, cockpit or flybridge rails and it's adjustable to any practical angle.

The holder is brass tubing, 2 inches outside diameter, 9 inches long.

The bracket is pressure cast bronze, adjustable for rails $\frac{3}{4}$ to 1 inch diameter.

Supplied complete with a full length inner liner which saves wear and tear on the rod. Its inside diameter is 1 $\frac{3}{4}$ inches. Packed one per box, weight 2 pounds.



Fig. 1118

SKIN PACK — Fig. 1118-SP

**One Holder Per Card,
Three Cards Per Box,
Weight Per Box 6 Pounds**

Sold to trade in full box only.



Fig. 1118-SP

**HEAVY DUTY
FISHING ROD HOLDER — Fig. 404
CHROMIUM PLATED — WITH SOFT WHITE VINYL LINER**

The holder is heavy gauge brass tubing.
The side mounting brackets are cast bronze.
Supplied with full length inner liner.

No.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Inches	Width Bracket Inches	Weight Pounds
1	1 $\frac{3}{4}$	2	9	4- $\frac{3}{16}$	1 $\frac{5}{8}$
2	2	2 $\frac{1}{4}$	11	4- $\frac{3}{4}$	2 $\frac{1}{2}$

Fig. 404



Spare Brackets, Specify Fig. 404-99A and Size

FISHING ROD HOLDERS—Fig. 449

**Heavy Brass Tubing — Manganese Bronze Castings
Chromium Plated — With Soft White Vinyl Liner**

Supplied with full length inner liner.

Designed for vertical mounting, this holder is easily removed when not in use, leaving no projecting hardware.

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Dimensions Mounting Bracket Inches	Weight Complete Pounds
1 $\frac{3}{4}$	2	4 x 3 $\frac{3}{4}$	2 $\frac{1}{4}$

Spare Holders, Specify Fig. 449-99A
Spare Brackets, Specify Fig. 449-99B



Fig. 449



Fig. 1205

FISHING ROD HOLDER — FIG. 1205

CHROMIUM PLATED FLANGE
ANODIZED ALUMINUM TUBE
SOFT WHITE VINYL LINER

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Weight Pounds
1½	2	8	4¼ x 3½	1

Supplied with Closed Bottom — Specify Fig. 1206



Fig. 1205-S.P.

SKIN PACK — Fig. 1205-S.P.

One holder per card,
Four cards per box,
Weight per box, 4½ pounds

Sold to Trade in Full Box Only.



Fig. 448

BRONZE FISHING ROD HOLDERS — Fig. 448

Chromium Plated Flange — Brass Tube
Soft White Vinyl Liner

No.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Weight Pounds
1	1½	2	8	4¼ x 3½	1¼
2	1⅞	2¼	12	4⅞ x 4	2

No. 1 Supplied with Closed Bottom, Specify Fig. 458.

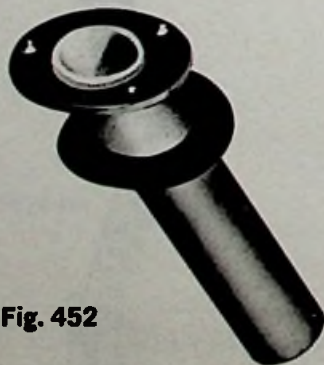


Fig. 452

ALL STAINLESS STEEL FISHING ROD HOLDERS — Fig. 452

18-8 SS — Polished

Soft White Vinyl Liner — Heavy Under Flange Gasket

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Weight Pounds
1½	2	8¼	4⅞ x 3⅞	⅞

Supplied with Closed Bottom, Specify Fig. 459.

Spare Gaskets, Specify Fig. 452—99A.

FISHING ROD HOLDERS—Fig. 1100

All Brass – Chromium Plated – With Soft White Vinyl Liner
 Supplied with full length inner liner.

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Overall Inches	Width Bracket Inches	Weight Oz.
1 $\frac{3}{4}$	2	9	3	16

Spare Brackets, Specify Fig. 1107

Fig. 1100



FISHING ROD HOLDERS – Fig. 1104

Black Plastic – With Chromium Plated Brass Brackets

Length Overall Inches	Inside Diameter Inches	Outside Diameter Inches	Width Bracket Inches	Weight Ounces
9	1 $\frac{3}{4}$	2	3 $\frac{1}{4}$	8

Spare Brackets, Specify Fig. 1107

Fig. 1104



SKIN PACK — Fig. 1104-S.P.

One Holder per Card
 Six Cards per Box
 Weight per Box 4 Pounds
 Sold to Trade in Full Box Only.

Fig. 1104-S.P.



ADJUSTABLE FISHING ROD HOLDERS — Fig. 475

Plain or Chromium Plated – Soft White Vinyl Liner
 Heavy Brass Tubing – Manganese Bronze Castings
 Supplied with full length inner liner.

May be adjusted quickly to any desired angle or position vertically or horizontally. Locked by large thumb bolt illustrated.

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Tube Inches	Dimensions Base Inches	Weight Pounds
1 $\frac{3}{4}$	2	9 $\frac{1}{2}$	3 $\frac{3}{8}$ x 2 $\frac{1}{4}$	3 $\frac{3}{4}$

Spare Tube with Quadrant, Specify Fig. 475—99A
 Spare Adjusting Saddle for Quadrant, Specify Fig. 475—99B
 Spare Eye Bolts with Washer, Specify Fig. 475—99C
 Specify Finish on Spares, Plain or Chrome

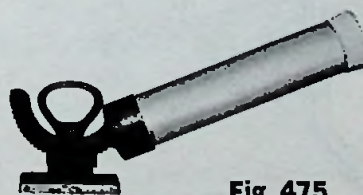


Fig. 475

SOFT WHITE VINYL LINERS FOR ROD HOLDERS

Fig.	Size No.	Inside Diameter Inches	Weight Ounces
482	1	1 $\frac{1}{2}$	1
482	2	1 $\frac{7}{8}$	1
483	1	1 $\frac{3}{4}$	$\frac{1}{2}$
483	2	2	1

Fig. 482 No. 1 Fits Fig. 448 No. 1, Figs. 452 and 1205
 Fig. 482 No. 2 Fits Fig. 448 No. 2
 Fig. 483 No. 1 Fits Fig. 404 No. 1 Figs. 449, 475, 1100 and 1118
 Fig. 483 No. 2 Fits Fig. 404 No. 2



Fig. 482

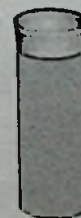


Fig. 483

FIG. 468
LINE GUIDES

Figs. 460 or 1098 Poles

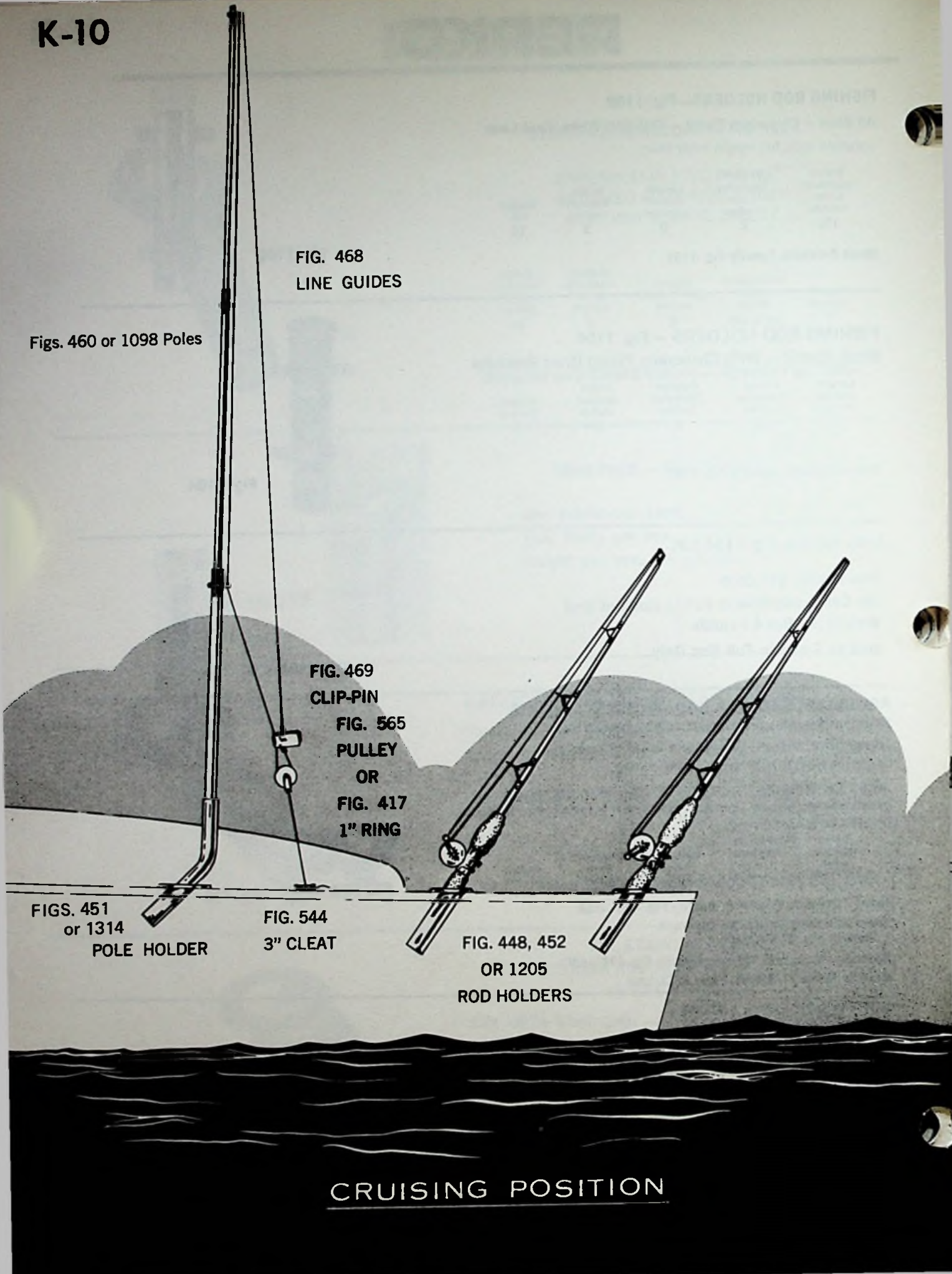
FIG. 469
CLIP-PIN
FIG. 565
PULLEY
OR
FIG. 417
1" RING

FIGS. 451
or 1314
POLE HOLDER

FIG. 544
3" CLEAT

FIG. 448, 452
OR 1205
ROD HOLDERS

CRUISING POSITION

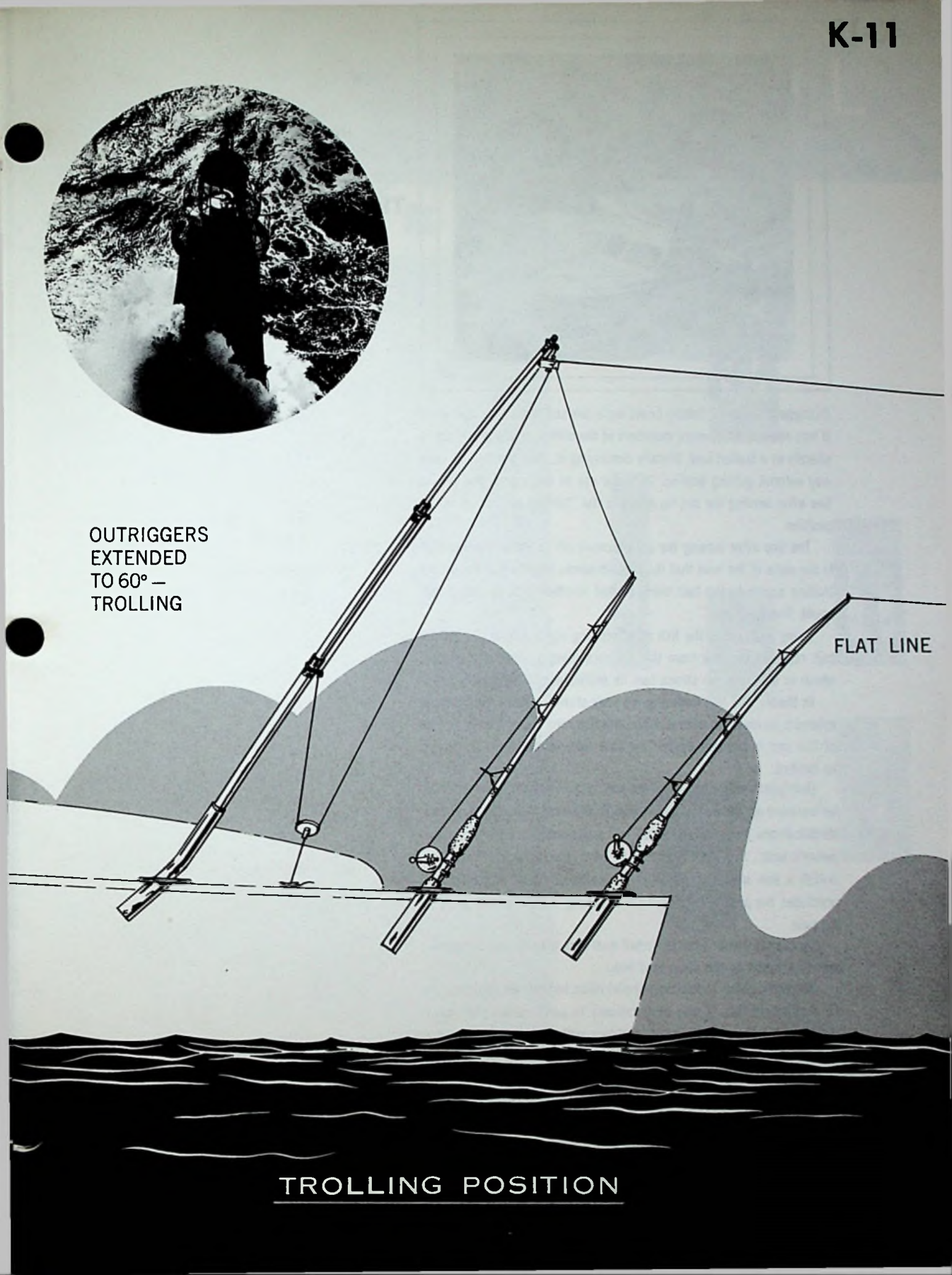




OUTRIGGERS
EXTENDED
TO 60° —
TROLLING

FLAT LINE

TROLLING POSITION





THE USAGE OF OUTRIGGERS

by "Hank" Gartner

Outriggers for sport fishing boats were devised some time ago when it was observed that many members of the billfish family would strike sharply at a trolled bait, literally destroying it, then proceed on their way without getting hooked. With the use of outriggers, the fishing line after leaving the rod tip leads to the "trolling pin" in its raised position.

The line after leaving the pin proceeds aft to the proper position in the wake of the boat that the captain deems best to give the proper trolling action to the bait being trolled whether it be mullet, balao, squid, line bait, etc.

Using outriggers, the fish after striking vigorously at the trolled bait releases the line from the pin permitting a slack loop of line, which in turn lets the struck bait lie motionless in the water.

In theory, the fish believing his prey stunned, grabs the bait and attempts to make off with it. When the fish runs out of the slack loop of line and is brought up by that taut line, theoretically he should be hooked.

Outriggers with their "trolling pin," lead lines and guides should be installed on the boat as indicated in the accompanying diagrams. Modifications may be necessary to accommodate each individual owner's boat. It is recommended to have the top guide (Perko Fig. #468) a few inches down from the extreme tip of the pole, this precludes the possibility of the pin wrapping around and tangling on the pole.

Should the owner wish to install dual pins they should be approximately 3' apart on the same lead line.

Outrigger poles should be parallel when in their vertical position. To accomplish this, it may be necessary to build up the deck under the bases of the outrigger pole holders with small teak wedges or fiberglass putty.

The small cleats (Perko Fig. #544-3") should be secured aft of the outrigger base, thus keeping the "trolling pin" line clear of the outrigger pole and the return line.

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SKIN PACK



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Fig. 1510-SP

CERTIFIED



"CHROMALEX" III[®] COMBINATION BOW LIGHT—Fig. 1510-SP

Die Cast Zinc Alloy — Chromium Plated — Red and Green Fresnel Lenses
Black Plastic Base — Molded Teak Plastic Insert — Non Corrosive
Double Contact Electric Socket with 12 Volt, No. 1004 Lamp.

Height Inches	Size Base	Screw No.
1 7/8	4 x 3-1/8	8

One Light Per Card.

Six Cards Per Box.

Weight Per Box, 2½ Pounds.



Fig. 1310 SP

CERTIFIED



"CHROMALEX"[®] COMBINATION BOW LIGHT—Fig. 1310-SP

Die Cast Zinc Alloy — Chromium Plated — Black Plastic Base
— Red and Green Fresnel Lenses.

Non Corrosive Double Contact Electric Socket with 12 Volt,
No. 1004 Lamp.

Height Inches	Size Base Inches
1-¾	4x3-½

One Light Per Card.

Six Cards Per Box.

Weight Per Box, 2½ Pounds.



Fig. 1218 SP

CERTIFIED



"RANGER" COMBINATION BOW LIGHT — Fig. 1218-SP

Die Cast Zinc Alloy — Chromium Plated — Red and Green
Fresnel Lenses — Double Contact Electric Socket — With 12
Volt, No. 1004 Lamp.

Height Inches	Size Base Inches	Height Lens Inches	Staff Socket Inches
3-½	6-¼ x 3-7/8	2-½	¾

One Light Per Card.

Three Cards Per Box.

Weight Per Box, 4 Pounds.



Fig. 972 SP

CERTIFIED



"CHROMALEX"[®] COMBINATION BOW LIGHT — Fig. 972-SP

Brass — Chromium Plated — Black Plastic Base.

Red and Green Lenses —

Miniature Bayonet Electric Socket — With 12 Volt, No. 1416 Lamp.

Height of Light Inches	Diameter Base Inches	Diameter Neck Inches	Length Neck Inches
1-5/8	2-3/8	3/4	1/2

One Light Per Card.

Four Cards Per Box.

Weight Per Box, 1 Pound.

Sold To Trade In Full Box Only

**"CHROMALEX"® INTERNATIONAL NAVIGATION LIGHTS
BRASS – CHROMIUM PLATED BLACK PLASTIC BASE
WITH STAINLESS STEEL SELF TAPPING SCREWS FOR MOUNTING**

SIDE LIGHTS – Fig. 955-SP

10 Points – 112½ Degrees – 1 Mile Visibility.

Certified with No. 90, 12 Volt, 6 C.P. Lamp Supplied with Lights.

Non Corrosive Double Contact Socket.

Red and Green High Intensity Fresnel Lenses.

Length Inches	Width Inches	Depth Inches
4-¼	2-¾	1-¾

One Pair Per Card.

Four Cards Per Box.

Weight Per Box 2 Pounds.



Fig. 955-SP

CERTIFIED

BOW OR MASTHEAD LIGHT – Fig. 964-SP

20 Points – 225 Degrees – Clear Lens.

3 Mile Visibility.

Certified With No. 1416, 12 Volt, 8 C.P. Lamp Supplied With Light — Miniature Bayonet Type Socket.

Height of Light Inches	Diameter Base Inches	Diameter Neck Inches	Length Neck Inches
1-⅝	2-¾	¾	½

One Light Per Card.

Four Cards Per Box.

Weight Per Box 1 Pound.



Fig. 964-SP

CERTIFIED

TRANSOM STERN LIGHT – Fig. 945-SP

12 Points – 135 Degrees – Clear Lens.

2 Mile Visibility.

Certified With No. 1416, 12 Volt, 8 C.P. Lamp Supplied With Light. Miniature Bayonet Type Socket.

Height of Light Inches	Diameter Base Inches	Diameter Neck Inches	Length Neck Inches
1-⅝	2-3/8	¾	½

One Light Per Card.

Four Cards Per Box.

Weight Per Box 1 Pound.



Fig. 945-SP

CERTIFIED

STERN LIGHT – Fig. 965-SP

12 Points – 135 Degrees – Clear Lens.

2 Mile Visibility.

Certified With No. 1416, 12 Volt, 8 C.P. Lamp Supplied With Light — Miniature Bayonet Type Socket.

Height of Light Inches	Diameter Base Inches	Diameter Neck Inches	Length Neck Inches
1-⅝	2-¾	¾	½

One Light Per Card.

Four Cards Per Box.

Weight Per Box 1 Pound.



Fig. 965-SP

CERTIFIED



Fig. 1530 SP



IMPROVED

"CHROMALEX"[®] III

REMOVABLE STERN POLE LIGHTS—Fig. 1530-SP

Chromium Plated — Die Cast Zinc Alloy Globe Holder and Base — Molded Teak Plastic Insert in Base — Frosted Globe — Non Corrosive Electric Socket — Anodized Aluminum Pole.

Improved Tightening Device with Built-In Alignment Feature allows easy insertion or removal of Pole from Base.

Base Length 3-3/4" — Width 1-1/2" — Maximum Height of Light 24 Inches — Supplied with 12 Volt Lamp, No. 1004, 15 C.P. 32 Points.

Has Two Prong Electric Plug in bottom of Pole for Electric Socket in Base.

One Light Per Card.

Five Cards Per Box.

Weight Per Box, 5 Pounds.



"CHROMALEX"[®] III

STERN POLE LIGHTS—Fig. 1511-SP

Chromium Plated — Die Cast Zinc Alloy Globe Holder and Base — Molded Teak Plastic Insert in Base — Frosted Globe — Tightening Device — Delrin Non Corrosive D.C. Socket — Complete with 12 Volt Lamp, No. 1004, 15 C.P. — 32 Points. Base Dimension 3-3/4" Long, 1-1/2" Wide. Maximum Height of Light, 24 Inches.

One Light Per Card.

Five Cards Per Box.

Weight Per Box, 4½ Pounds.



"CHROMALEX"[®]

REMOVABLE STERN POLE LIGHTS — Fig. 1330-SP

Chromium Plated — Die Cast Zinc Alloy Globe Holder and Base — High Intensity Fresnel Globe — Non Corrosive Electric Socket With 12 Volt Lamp, No. 90 — Anodized Aluminum Pole. Base Length 3-3/8" — Width 1-5/8". Maximum Height of Light, 24 Inches.

Improved Tightening Device with Built-In Alignment Feature allows easy insertion or removal of Pole from Base.

Has Two Prong Electric Plug in bottom of Pole for Electric Socket in Base.

Pole is instantly removable for stowing away.

One Light Per Card.

Five Cards Per Box.

Weight Per Box, 5 Pounds.



"CHROMALEX"[®] STERN POLE LIGHTS — Fig. 1311-SP

Chromium Plated — Die Cast Zinc Alloy Globe Holder and Base — Clear High Intensity Fresnel Globe — Delrin Non-Corrosive D.C. Socket — Complete With 12 Volt Lamp, No. 90.

Base Dimension 3-3/8"x1-5/8". Maximum Height of Light, 24 Inches.

One Light Per Card.

Five Cards Per Box.

Weight Per Box, 4½ Pounds.

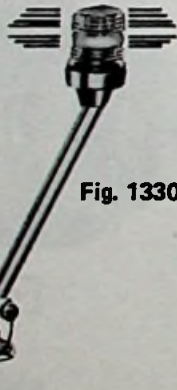


Fig. 1330 SP



IMPROVED

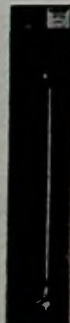


Fig. 1311 SP



Sold To Trade In Full Box Only

BULKHEAD FIXTURE – Fig. 217-SP
 Die Cast Zinc Alloy – Chromium Plated.
 Medium Screw Socket – Turn Switch.

Size Base Inches	Projection Less Lamp Inches
2-1/2 x 1-3/4	2-5/8

One Fixture Per Card.
 Six Cards Per Box.
 Weight Per Box, 4 Pounds.

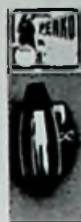


Fig. 217-SP

DOME LIGHTS – Fig. 300-SP
 Die Cast Zinc Alloy – Chromium Plated.
 Double Contact Socket – Push Switch.

Diameter Glass Inches	Diameter Overall Inches	Depth Overall Inches
4	5-3/8	1-7/8

One Light Per Card.
 Three Cards Per Box.
 Weight Per Box, 2 1/4 Pounds.



Fig. 300-SP

UTILITY LIGHT – Fig. 140-SP
 White Nylon – With 12 Volt Lamp.
 For instruments, charts or general fair illumination.

Size Inches
1-3/8 x 3/8

One Light Per Card.
 Ten Cards Per Box.
 Weight Per Box, 1/2 Pound.



Fig. 140-SP

MINIATURE BAYONET BASE LAMP – Fig. 56-SP
 CLEAR – No. 4
 12 VOLT 8 C.P. DIAMETER 18/32 INCHES
 Two Lamps Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 1/2 Pound.



Fig. 56-SP

CARTRIDGE TYPE BASE LAMP – Fig. 70-SP
 CLEAR – No. 1
 12 VOLT 12 C.P. DIAMETER 9/16 INCHES

Two Lamps Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 1/2 Pound.

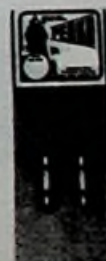
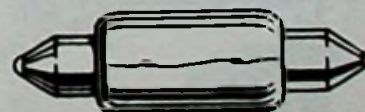


Fig. 70-SP



Fig. 8504



NEW IMPROVED
BATTERY SELECTOR SWITCH – Fig. 8504
 With Key Lock Assembly and Field Disconnect Feature.
 Surface Mount – Red Plastic Housing – Vapor Tight –
 Brass Terminals – Stainless Steel Spring – For 2 or more
 batteries – Make-Before Break Design.

Patent Pending

NOTE: All models of the 8500 Series, 9600 Series and 193 are also packaged in our new attractive Convertible Display Box which allows option of counter top or rack display.

Rated at 250 amperes continuous, 360 amperes intermittent. (6, 12, and 32 volts).

Tested and accepted for labeling and listing by the Underwriters Laboratories, Inc.

Diameter Inches	Depth Inches
5-1/4	2-5/8

One Switch Per Box.
 Standard Package 5.

PUSH AND PULL SWITCHES – Fig. 105-SP

3/4 Inch Knob – 25 Amp. – Chromium Plated Knob – Brass Housing.

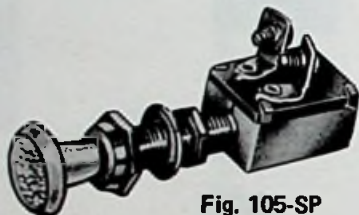
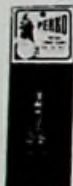


Fig. 105-SP

No.	Diam. Neck Inches	For Wood Thickness Inches	Length Overall Inches	Diam. Knob Inches
1	3/8	1	3	3/4

One Switch Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 3 Pounds.
 Not Ignition Protected, See Page C-12

**MOMENTARY STARTER SWITCH
 OR DASHBOARD HORN BUTTON** – Fig. 255-SP

All Brass – Push Button Type – 2 Point, 2 Terminal Spring Action – Chromium Plated Button – 25 Amp.

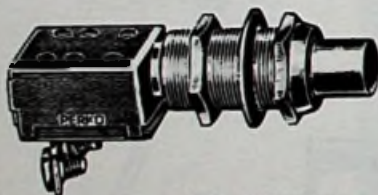


Fig. 255-SP



No.	Diameter Neck Inches	For Wood Thickness Inches
1	5/8	1

One Switch Per Card.
 Six Cards Per Box.
 Weight Per Box, 3 Pounds.
 Not Ignition Protected, See Page C-12

IGNITION LOCK SWITCH – Fig. 316-SP

Face Plate Chromium Plated – 2 Terminal – 2 Keys – 20 Amp.

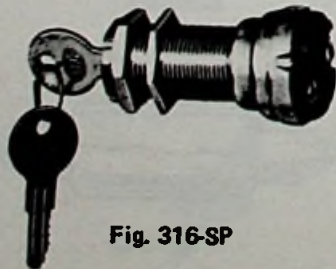
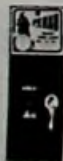


Fig. 316-SP

No.	Diameter Neck Inches	Length Neck Inches
1	3/4	3/4

One Switch Per Card.
 Six Cards Per Box.
 Weight Per Box, 2 Pounds.
 Not Ignition Protected, See Page C-12

PUSH TYPE SWITCH – Fig. 703-SP

Non Magnetic – With 6 Inch Wire Leads

Length Neck Inches	Diameter Neck Inches	Between Lock Nuts Inches
3/8	3/8	1/8

One Switch Per Card.

Six Cards Per Box.

Weight Per Box, 9 Ounces.

Not Ignition Protected, See Page C-12.



Fig. 703-SP



FUSED LINE CONNECTOR – Fig. 786-SP

Molded Bakelite – With 20 AMP. Fuse and Wire Leads.

For Standard Glass Fuses 1 1/4 Inches Long.

Length Inches	Diameter Inches
2-1/8	5/8

One Connector Per Card.

Ten Cards Per Box.

Weight Per Box, 3/4 Pound.

Conforms to U.S.C.G. Electrical Standards. See Page C-12.



Fig. 786-SP



MOLDED LINE CONNECTORS – Fig. 720-SP

Waterproof Bodies – Color Coded Wires.

Polarized for proper mating of circuits. Conductors precision aligned and molded in S.A.E. Type P.V.C. insulation for minimum voltage drop and ease in making and breaking connections.

12 inch long wires on male and female sides.

Poles	Width Inches	Weight Per Box Ounces
2	5/8	6-1/4
3	7/8	9
4	1-1/8	11-1/4

One Connector Per Card.

Five Cards Per Box.

Specify Size.

Conforms to U.S.C.G. Electrical Standards, See Page C-12.

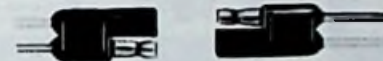


Fig. 720-2

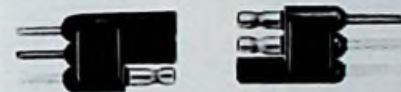


Fig. 720-3



Fig. 720-SP

WATERTIGHT DECK CONNECTION – Fig. 1190-SP

Die Cast Zinc Alloy with Black Plastic Covers – Double Contact – Chromium Plated.

The covers snap on or off for quick connection.

The connector is brass, well insulated.

Diameter Inches	Height Inches
1-5/8	1-3/16

One Connection Per Card.

Five Cards Per Box.

Weight Per Box, 14 Ounces.

Not Ignition Protected, See Page C-12.

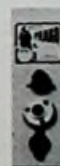


Fig. 1190-SP

PLASTIC THRU-HULL CONNECTIONS—Fig. 301-SP*

Durable Plastic — For Use With Hose



Fig. 301-SP



No.	For Hose Inches	Diam. Flange Inches	Cards Per Box	Wt. Per Box Pounds
4	1/2	1-1/2	10	1-1/2
4A	5/8	1-1/2	10	1-1/2
5	3/4	1-7/8	8	1-3/4
6	1	2-1/4	6	2
6A	1-1/8	2-1/4	6	2
8	1-1/2	3	6	3

*Thru-Hull Connections for use with hose are not recommended for use below the waterline per ABYC "Safety Standards For Small Craft" Section H-27.3.

One Connection Per Card.



Fig. 414-SP



BRASS TRANSOM DRAIN PLUGS — Fig. 414-SP

No.	Diam. Tube Inches	Length Overall Inches	Length Tube Inches
1	1	2-1/2	2

One Drain Plug Per Card.

Twelve Cards Per Box.

Weight Per Box, 4 Pounds.



Fig. 33-SP



Fig. 34-SP

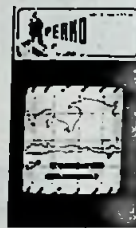


Fig. 36-SP

MARINE SHIELDS FOR FIXTURES—

Figs. 33 SP, 34 SP, 36 SP

The latest nautical designs — Suitable for hanging and upright bulb — Width 4-1/2" Height 4-5/8".

One Shield Per Card.

Six Cards Per Box.

Weight Per Box, 2 Pounds.



Fig. 248-SP



HIGH INTENSITY FRESNEL GLOBE — Fig. 248-SP

Clear Plastic Complete With Gasket

Outside Diam. Inches	Height Inches	Diam. Thread Inches
1-3/4	2-1/2	2

One Globe Per Card.

Ten Cards Per Box.

Weight Per Box, 1 1/2 Pounds.



Fig. 339 SP



CLAM SHELL VENTILATOR — Fig. 339-SP

Brass — Chromium Plated.

Width Opening Inches	Height Opening Inches	Base Dimensions Inches	For Screw No.
2-1/2	1-5/8	4x3 3/4	6

One Vent Per Card.

Six Cards Per Box.

Weight Per Box, 4 Pounds.

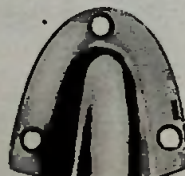


Fig. 315 SP

MIDGET CLAM SHELL VENTILATOR — Fig. 315-SP

Brass — Chromium Plated.

No.	Base Dimensions Inches	Height Opening Inches	For Screw No.
2	2x2	9/16	6

One Vent Per Card.

Twelve Cards Per Box.

Weight Per Box, 1 1/2 Pounds.

Sold To Trade In Full Box Only

"CHROMALEX" III® GAS FILL – Fig. 1513-SP

Chromium Plated – Die Cast Zinc
 Alloy Body – Molded Teak Plastic Cap
 Improved Cap has Integral Retainer to prevent loss of Cap.
 Neck has bead for improved neck retention.

Diameter Overall Inches	Length Hose Neck Inches	For Screw No.	For Hose Size
3-1/8	1-5/8	7	1-1/2

One Fill Per Card.
 Six Cards Per Box.
 Weight Per Box, 4 Pounds.

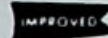


Fig. 1513 SP

CHROMALEX® GAS FILL – Fig. 1313-SP

Black Plastic Flange
 Die Cast Zinc Alloy – Chromium Plated
 For Use With 1½" I.D. Hose.
 Improved Cap has Integral Retainer to prevent loss of Cap.
 Neck has bead for improved hose retention.

Diameter Overall Inches	Length Hose Neck Inches	For Screw No.
3-1/8	1-5/8	7

One Fill Per Card.
 Six Cards Per Box.
 Weight Per Box, 3½ Pounds.

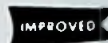


Fig. 1313-SP

"CHROMALEX"® COWL VENTILATOR – Fig. 1312-SP

Black Plastic Base – Die Cast Zinc Alloy
 Polished Chromium Plated – For 3" Duct.

Mouth Opening Square Inches	Length Overall Inches	Width Overall Inches	Height Overall Inches
7	5-3/4	4-3/8	2-5/8

One Vent Per Card.
 Four Cards Per Box.
 Weight Per Box, 3 Pounds.



Fig. 1312 SP

"CHROMALEX" III® COWL VENTILATOR – Fig. 1512-SP

Chromium Plated – Die Cast Zinc Alloy Body
 Molded Teak Plastic Insert – Black Plastic Base
 Designed for fast mounting. Has integral air scoop – No hose clamps necessary – Duct threads into collar.

Mouth Opening Square Inches	Length Overall Inches	Width Overall Inches	Height Overall Inches
7	5-3/4	4-3/8	2-5/8

One Vent Per Card.
 Four Cards Per Box.
 Weight Per Box, 3 Pounds.



Fig. 1512 SP

LOCKER VENTILATORS – Fig. 330-SP

18-8 Stainless Steel – Polished.

No.	Diameter Inches	For Screw No.
2	3-1/4	6

One Vent Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 1½ Pounds



Fig. 330 SP

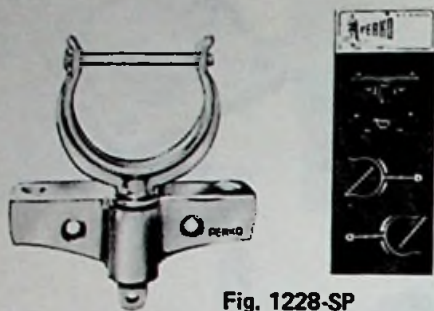


Fig. 1228-SP

NORTH RIVER ROWLOCKS – Fig. 1228-SP

Die Cast Zinc Alloy – Chromium Plated – With Delrin Bearing in Socket – Between Horns, 1 3/4 Inches.

One Pair Per Card.

Six Cards Per Box.

Weight Per Box, 8 1/2 Pounds.

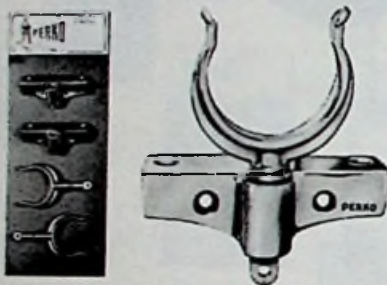


Fig. 1263-SP

RIBBED SIDE PLATE ROWLOCKS – Fig. 1263-SP

Die Cast Zinc Alloy – Chromium Plated – With Delrin Bearing in Socket – Between Horns, 1 3/4 Inches.

One Pair Per Card.

Six Cards Per Box.

Weight Per Box, 8 Pounds.

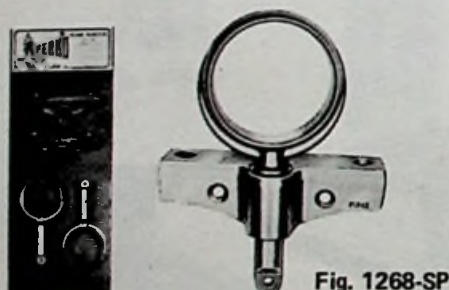


Fig. 1268-SP

ROUND ROWLOCKS WITH FANCY SOCKET – Fig. 1268-SP

Die Cast Zinc Alloy – Chromium Plated – Delrin Bearing in Socket – Inside Diameter Horns, 2 Inches.

One Pair Per Card.

Six Cards Per Box.

Weight Per Box, 8 3/4 Pounds.



Fig. 1267-SP

ROUND ROWLOCKS HORNS – Fig. 1267-SP

Die Cast Zinc Alloy
Inside Diameter 2 Inches
Diameter Shank 1/2 Inch.

NATURAL FINISH

One Pair Per Card.

Six Cards Per Box.

CHROMIUM PLATED

One Pair Per Card.

Six Cards Per Box.

Weight Per Box, 4 1/2 Pounds.

NORTH RIVER ROWLOCK HORNS – Fig. 1227-SP

Die Cast Zinc Alloy – Between Horns 1¾ Inches.
Diameter Shank ½ Inch.

NATURAL FINISH

One Pair Per Card.
Six Cards Per Box.
Weight Per Box, 4 Pounds.

CHROMIUM PLATED

One Pair Per Card.
Six Cards Per Box.
Weight Per Box, 4 Pounds.



Fig. 1227 SP

RIBBED ROWLOCK HORNS – Fig. 1262-SP

Die Cast Zinc Alloy – Between Horns 1¾ Inches.
Diameter Shank ½ Inch.

NATURAL FINISH

One Pair Per Card.
Six Cards Per Box.
Weight Per Box, 4 Pounds

CHROMIUM PLATED

One Pair Per Card.
Six Cards Per Box.
Weight Per Box, 4 Pounds.



Fig. 1262 SP

TRANSOM PLATES – Fig. 1224-SP

Die Cast Zinc Alloy – Chromium Plated Frame –

Molded Soft Plastic Pad.

Length Overall 3½ Inches.

Inside Diameter 1-7/8 Inches.

One Pair Per Card.
Twelve Cards Per Box.
Weight Per Box, 3¼ Pounds.

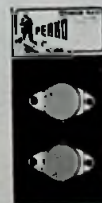


Fig. 1224 SP



Fig. 159-SP



BRASS FOG BELLS – CHROMIUM PLATED – Fig. 159-SP

With Removable Arm and Wall Plate.
Clapper has short arm for Lanyard.

Diameter Inches	Height Overall Inches
6	4

One Bell Per Card.
Two Cards Per Box.
Weight Per Box, 2½ Pounds.



TRIPLEX MOTOR BOAT WHISTLE – Fig. 167-SP

Plastic

Length Overall Inches	Width Overall Inches
6	1-¾

One Whistle Per Card.
Twelve Cards Per Box.
Weight Per Box, 1½ Pounds.



FOG HORN—Fig. 162-SP

ALUMINUM – DURABLE WHITE BAKED ENAMEL FINISH
NYLON MOUTHPIECE

Lightweight Fog Horn that is attractive and practical –
Length 12-1/2 Inches.

One Horn Per Card.
Six Cards Per Box.
Weight Per Box 2½ Pounds.



BOAT COVER SOCKETS – Fig. 578-SP

Die Cast Zinc Alloy – Chromium Plated.

Length Overall Inches	Size Opening Inches	Width Overall Inches
3-¼	1-7/8 x 7/16	5/8

One Pair Per Card.
Twelve Cards Per Box.
Weight Per Box, 3 Pounds.



DECK PLATE KEY – Fig. 827-SP

ALUMINUM GOLD ANODIZED

Will fit various sizes of deck plates up to 3 inches.

Length Overall Inches	Diameter Metal Inches
5-¾	3/16

One Key Per Card.
Six Cards Per Box.
Weight Per Box, 1½ Pounds.

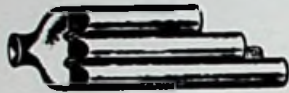


Fig. 167-SP



Fig. 162-SP

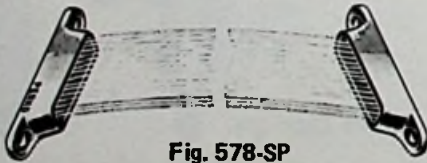


Fig. 578-SP

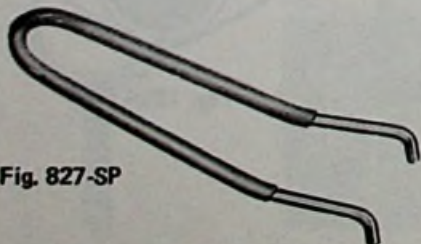


Fig. 827-SP



CHROMALEX® HANDLE – Fig. 1336-SP

Die Cast Zinc Alloy – Chromium Plated.
Glossy Black Plastic Base. For ¼" Screws

Length Overall Inches	Length Inside Inches	Width Overall Inches
6-¼	3-½	1-¼

One Pair Per Card. – Six Cards Per Box.
Weight Per Box, 7 Pounds.



Fig. 1336-SP

ROUND GRIP HANDLE – Fig. 1231-SP

Die Cast Zinc Alloy – Chromium Plated.

Length Overall Inches	Length Inside Inches	Height Inside Inches	For Screw No.
6	3-½	1-5/16	10

One Pair Per Card. – Six Cards Per Box.
Weight Per Box, 6¾ Pounds.

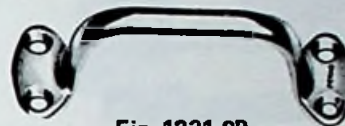


Fig. 1231-SP



HANDLE – Fig. 775-SP

Bronze – Chromium Plated.

No.	Length Overall Inches	Length Inside Inches
2	5-¾	3-¾

One Pair Per Card. – Six Cards Per Box.
Weight Per Box, 4 Pounds.



Fig. 775-SP

"CHROMALEX" III® STEP PLATES—Fig. 1525 SP

Die Cast Zinc Alloy Frames – Chromium Plated
Molded Teak Plastic Non-Skid Pads.

No.	Overall Dimensions	For Screw No.	Weight Per Box Pounds
0	8-3/8 x 2-1/4	8	6
1	8-3/4 x 3-1/4	8	9-1/2

One Pair Per Card.
Six Cards Per Box.



Fig. 1525-SP



CHROMALEX® STEP PLATES – Fig. 1325-SP

Die Cast Zinc Alloy – Polished Chromium Plated –
Black Plastic Non-Skid Pads.

No.	Dimensions Overall Inches	For Screw	Weight Per Box Pounds
0	8-¾x2-¼	8	6
1	8-¾x3-¼	8	9-½

One Pair Per Card. – Six Cards Per Box.



Fig. 1325-SP

STEP PLATES – Fig. 1225-SP

Die Cast Zinc Alloy – Chromium Plated –
White Plastic Non-Skid Pads.

No.	Dimensions Overall Inches	For Screw	Weight Per Box Pounds
0	8-¾x2-¼	8	6
1	8-¾x3-¼	8	9-½

One Pair Per Card. – Six Cards Per Box.

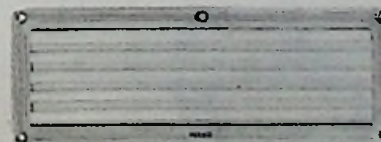


Fig. 1225-SP





Fig. 1506-SP



"CHROMALEX"[®] III OPEN BASE CLEATS—Fig. 1506-SP
 Die Cast Zinc Alloy Bodies — Chromium Plated
 Black Plastic Bases — Molded Teak Plastic Insert.

	Length Inches	Size Base Inches	For Screw	For Diam. Rope Inches	Weight Per Box Pounds
No. 1	4-1/2	2-1/2-1-1/16	No. 10	3/8	4
No. 2	6	3-1/4 x 1-3/8	1/4"	1/2	4

No. 1 - One Pair Per Card. Six Cards Per Box. No. 2 - One Cleat Per Card. Six Cards Per Box.



"CHROMALEX"[®] III CLOSED BASE CLEAT—Fig. 1505-SP
 Die Cast Zinc Alloy Bodies — Chromium Plated
 Black Plastic Bases — Molded Teak Plastic Insert.

	Length Inches	Size Base Inches	For Screw	For Diam. Rope Inches	Weight Per Box Pounds
No. 1	4-1/2	3-3/4 x 1-1/16	No. 10	3/8	4
No. 2	6	5 x 1-3/8	1/4"	1/2	4

No. 1 - One Pair Per Card. Six Cards Per Box. No. 2 - One Cleat Per Card. Six Cards Per Box.



CHROMALEX[®] OPEN BASE CLEATS — Fig. 1306-SP

Black Plastic Base — Die Cast Zinc Alloy.
 Chromium Plated — Counter Sunk for Screws.

Measurements Same as Fig. 1506-SP

No. 1 - One Pair Per Card. Six Cards Per Box. No. 2 - One Cleat Per Card. Six Cards Per Box.



CHROMALEX[®] CLOSED BASE CLEATS — Fig. 1305-SP

Black Plastic Base — Die Cast Zinc Alloy.
 Chromium Plated — Counter Sunk For Screws.

Measurements Same as Fig. 1505-SP

No. 1 - One Pair Per Card. Six Cards Per Box. No. 2 - One Cleat Per Card. Six Cards Per Box.



STREAMLINE CLEATS — Fig. 566-SP

Die Cast Zinc Alloy — Chromium Plated.

Length Inches	Size Base Inches	For Diam. Rope Inches	Weight Per Box Pounds
2	2-3/16 x 1-1/8	5/16	3-1/2
3	3-1/8 x 1-1/2	3/8	5-1/2
4-1/2	4-7/16 x 1-7/8	1/2	8-1/2
6	5-1/2 x 2	3/4	13

2" and 3" - One Pair Per Box. Twelve Cards Per Box. 6" - One Cleat Per Card. Twelve Cards Per Box.

4 1/2" - One Pair Per Card. Six Cards Per Box.



YACHT CLEATS — Fig. 1188-SP

Die Cast Zinc Alloy — Chromium Plated.

Length Inches	Width Base Inches	Weight Per Box Pounds
4	1-5/8	5
6	1-3/4	4

4" - One Pair Per Card. Six Cards Per Box.

6" - One Cleat Per Card. Six Cards Per Box.



Fig. 1505-SP



Fig. 1306-SP

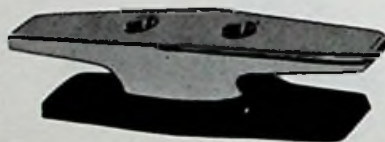


Fig. 1305-SP

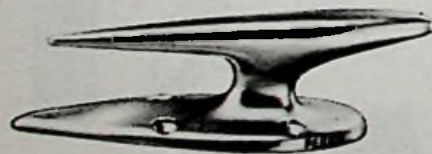


Fig. 566-SP

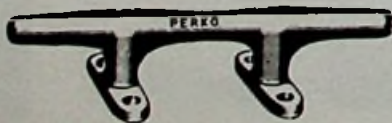


Fig. 1188-SP

Sold To Trade In Full Box Only

SOLID BASE CLEAT – Fig. 544-SP

Pressure Cast Bronze – Chromium Plated

Length Inches	For Screw No.
4	10

One Cleat Per Card.

Six Cards Per Box.

Weight Per Box, 2½ Pounds.



Fig. 544-SP



CHROMALEX® SKENE TYPE BOW CHOCKS – Fig. 1307-SP

Black Plastic Base – Die Cast Zinc Alloy – Chromium Plated
– Counter Sunk for Screws.

No.	Length Overall Inches	Width Base	For Screw	For Diam. Rope Inches	Weight Per Box Pounds
1	3-1/2	7/8	No.10	3/8	3-1/2
2	5	1-1/4	1/4"	1/2	4

No. 1 - One Pair Per Card.

No. 2 - One Pair Per Card.

Twelve Cards Per Box.

Six Cards Per Box.



Fig. 1307-SP

CHROMALEX® STRAIGHT TYPE CHOCKS – Fig. 1308-SP

Black Plastic Base – Die Cast Zinc Alloy – Chromium Plated
– Counter Sunk for Screws.

No.	Length Overall Inches	Width Base	For Screw	For Diam. Rope Inches	Weight Per Box Pounds
1	3-1/2	7/8	No.10	3/8	3-1/2
2	5	1-1/4	1/4"	1/2	4

No. 1 - One Pair Per Card.

No. 2 - One Pair Per Card.

Twelve Cards Per Box

Six Cards Per Box.



Fig. 1308-SP



SKENE BOW CHOCKS – Fig. 1223-SP

Die Cast Zinc Alloy – Chromium Plated.

Length Overall Inches	Width Base Inches	For Diam. Rope Inches	Weight Per Box Pounds
3-1/2	7/8	1/2	4-1/2

One Pair Per Card.

Twelve Cards Per Box.



Fig. 1223-SP



BOW CHOCKS – Fig. 546-SP

Cast Bronze – Chromium Plated.

Length Inches	For Screw No.	Weight Per Box Pounds
4	10	4

One Pair Per Card.

Six Cards Per Box.



Fig. 546-SP

STERN CHOCK – Fig. 119-SP

Cast Bronze – Chromium Plated.

Length Inches	For Screw No.	Weight Per Box Pounds
4	8	2-1/2

One Chock Per Card.

Six Cards Per Box.



Fig. 119-SP



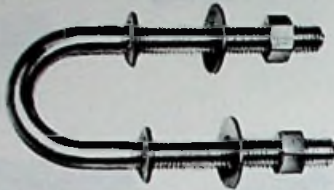


Fig. 237 SP

BOW EYES -- Fig. 237-SP

300 Series Non-Magnetic Stainless Steel

Length Shank Inches	Diameter Metal Inches	Length Thread Inches	Inside Eye Inches	Safe Working Load Pounds
3	5/16	3	1	1800

One Per Card.

Six Cards Per Box.

Weight Per Box, 2 Pounds.



BOW EYES Fig. 1235-SP

Die Cast Zinc Alloy -- Chromium Plated -- Forged Steel Shanks, Nut and Washer -- Shanks Are One Continuous "U" Bolt Cast Inside Eye.

Length Shank Inches	Length Thread Inches	Diameter Shank Inches	Inside Eye Inches	Safe Working Load Pounds
3	2-3/4	3/8	1	2000

One Per Card.

Six Cards Per Box.

Weight Per Box, 4 1/4 Pounds.



Fig. 1235 SP



NOTE: FIGS. 237SP & 1235SP ARE NOT DESIGNED TO BEAR THE WEIGHT OF THE VESSEL AND THEREFORE SHOULD NOT BE USED FOR LIFTING. THE SAFE WORKING LOAD INFORMATION GIVEN IS BASED ON A STRAIGHT AXIAL PULL. THIS WOULD NOT APPLY IN CASES WHERE INSTALLATION OR USE CREATES ANGULAR LOADING SINCE THESE VARIATIONS MAKE IT IMPRACTICABLE TO OFFER ACCURATE TEST DATA.



WATER SKI TOWING HOOK -- Fig. 863-SP

For Mounting Through Transom -- Die Cast Zinc Alloy -- Steel Bolt -- Chromium Plated

Length Overall Inches	Diameter Bolt Inches	Length Bolt inches	Length Thread inches
6	5/16	3-1/4	2-1/2

One Hook Per Card.

Six Cards Per Box.

Weight Per Box, 3 3/4 Pounds.

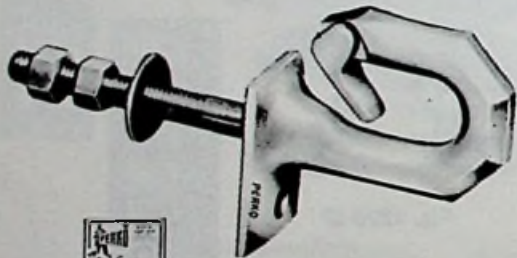
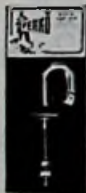


Fig. 863 SP



HAND WINDSHIELD WIPERS -- Fig. 533-SP

The arm is extensible from 6 3/4 to 10 1/2 inches, spring tension is adjustable for best wiping pressure.

Length Overall Inches	Diam. Shaft Inches	Length Handle Inches
13 1/2 to 16 1/2	3/8	2-3/8

One Wiper Per Card.

Three Cards Per Box.

Weight Per Box, 2 Pounds.



Fig. 533 SP

SWIVEL EYE PULLEYS – Fig. 565-SP

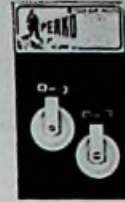
All 18-8 Stainless Steel except the sheave which is white nylon.

Length Overall Inches	Diam. Sheave Overall Inches	Length Strap Overall Inches
3-3/4	2 5/16	1-5/8

One Pair Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 4½ Pounds.



Fig. 565-SP



SNAP HOOK PULLEYS – Fig. 634-SP

All 18-8 Stainless Steel except the sheave which is white nylon.

Length Overall Inches	Snap Throat Opening Inches	Diam. Sheave Overall Inches
4-5/8	1/2	2 5/16

One Pair Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 5¼ Pounds.



Fig. 634-SP

TILLER ROPE TIGHTENERS – Fig. 732-SP

Stainless Steel or Cadmium Plated.

Normal Length Inches	Length Compressed Inches	Outside Diameter Inches	Weight Per Box Pounds
4	5	1-1/16	6-1/2

STS. - One Pair Per Card. Cad.- One Pair Per Card.
 Twelve Cards Per Box. Twelve Cards Per Box.



Fig. 732-SP – CAD.
 Fig. 732-SP – STS.



TILLER ROPE CLAMPS – Fig. 1226-SP

Die Cast Zinc Alloy – Chromium Plated.

For Rope Diam. Inches	Length Inches	Width Inches
1/8 or 3/16	1-1/4	11/16

One Pair Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 2½ Pounds.

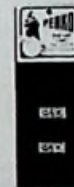


Fig. 1226-SP

FENDER HOOKS – Fig. 1246-SP

Die Cast Zinc Alloy – Chromium Plated.

For Rope Diameter Inches	Size Plate Inches	For Screw No.
3/8	1-3/4x1-1/4	6

One Pair Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 2¾ Pounds.

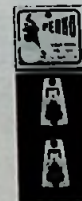


Fig. 1246-SP

FENDER LOCK – Fig. 1299-SP

Die Cast Zinc Alloy – Chromium Plated.

Attach and detach fenders instantly, eye is permanently fastened to fender line, it quickly engages the deck flange and stays there until its job is done.

Diameter Flange Inches	I.D. Eye Inches	One Pair Per Card. Twelve Cards Per Box. Weight Per Box, 2¾ Pounds.
1-1/2	3/8	



Fig. 1299-SP



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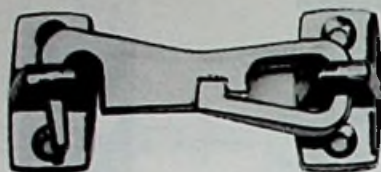


Fig. 1287-SP

MODERN DESIGN CABIN DOOR HOOKS – Fig. 1287-SP

Patent No. 197,531

Die Cast Zinc Alloy – Chromium Plated.

Length of Hook 2½ Inches.

Dimension of Eye Plate 1¼x11/16 Inches.

One Hook Per Card.

Six Cards Per Box.

Weight Per Box, 13 Ounces.



Fig. 1199-SP

**CABIN DOOR HOOKS – Fig. 1199-SP**

Die Cast Zinc Alloy – Chromium Plated.

Length of Hook 1¾ Inches.

One Hook Per Card.

Twelve Cards Per Box.

Weight Per Box, 2 Pounds.

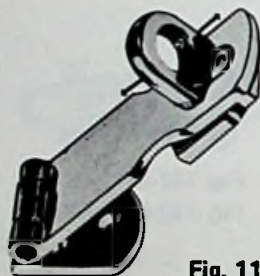


Fig. 1194-SP

HINGED LOCKING HASP – Fig. 1194-SP

Die Cast Zinc Alloy – Chromium Plated.

Padlock eye swivels to act as a latch.

Length Closed 3 Inches.

Width 1 Inch.

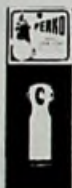
One Hasp Per Card.

Five Cards Per Box.

Weight Per Box, 1¼ Pounds.



Fig. 1198-SP

**SECURITY HINGED HASPS – Fig. 1198-SP**

Die Cast Zinc Alloy – Chromium Plated.

Length Closed 3 Inches.

Width 1 Inch.

One Hasp Per Card.

Twelve Cards Per Box.

Weight Per Box, 2½ Pounds.

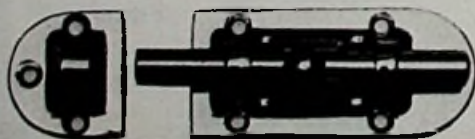


Fig. 947-SP

BARREL BOLTS – Fig. 947-SP

Pressure Cast Bronze – Chromium Plated.

Length of Rod 3 Inches.

Base Without Strike 3x1¼ Inches.

One Bolt Per Card.

Five Cards Per Box.

Weight Per Box, 1½ Pounds.

BUTT HINGES — Fig. 1293-SP

Die Cast Zinc Alloy — Chromium Plated.
Stainless Steel Removable Pin.

Size Open 2x2 Inches.

One Pair Per Card.
Ten Cards Per Box.
Weight Per Box, 2¼ Pounds.



Fig. 1293-SP

CUDDY DOOR HINGES — Fig. 808-SP

Die Cast Zinc Alloy — Chromium Plated.
With Stainless Steel Pins.

Length Open 3 Inches.
Extreme Width 1½ Inches.

One Pair Per Card.
Ten Cards Per Box.
Weight Per Box, 2¾ Pounds.



Fig. 808-SP



CUDDY DOOR HINGE — Fig. 924-SP

Wrought Brass — Stainless Steel Pin.
Chromium Plated.

Length Open Inches	Width Inches	Diam. Pin Inches
3	1-1/2	3/16

One Pair Per Card.
Twelve Cards Per Box.
Weight Per Box, 2 Pounds.



Fig. 924-SP

HATCH HOLD-DOWN CLAMPS—Figs. 1112-SP & 1113-SP

Pressure Cast Bronze — Chromium Plated.

An excellent item with many uses, on hatch covers, wind-
shields, windows, bait and fish boxes, etc.

Fig. 1112-SP Flat Mounting

Length Inches	Width Inches
3	1-1/2



Fig. 1112-SP

Fig. 1113-SP Angle Mounting

Length Inches	Width Inches
2-1/2	1-1/2

One Clamp Per Card.
Three Cards Per Box.
Weight Per Box, 1¼ Pounds.



Fig. 1113-SP



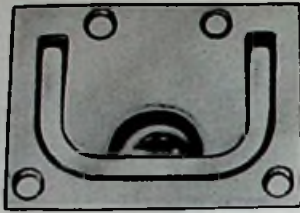


Fig. 1220-SP

FLUSH HATCH LIFTING HANDLE – Fig. 1220-SP
 Die Cast Zinc Alloy – Chromium Plated.
 No Large recess to catch chairs, heels, table legs, etc.

Dimensions Plate Inches	Inside Handle Inches
3x2-1/4	1-7/8x1

One Handle Per Card.
 Ten Cards Per Box.
 Weight Per Box, 2½ Pounds.



Fig. 776-SP

**HEAVY DUTY
 FLUSH HATCH LIFTING HANDLE – Fig. 776-SP**
 Bronze – Chromium Plated.

No.	Dimensions Plate Inches	Inside Handle Inches
1	3x2-1/4	1 7/8 x 1

One Handle Per Card.
 Six Cards Per Box.
 Weight Per Box, 1¼ Pounds.



Fig. 575-SP

FLUSH HATCH LIFTING RING – Fig. 575-SP
 Bronze – Chromium Plated.
 No recess to catch heels, chair or table legs, etc.
 Size Plate 2x2-5/8 Inches – Inside Ring 1 Inch.

One Ring Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 1½ Pounds.



Fig. 841-SP

FLUSH RING PULLS – Fig. 841-SP
 Die Cast Zinc Alloy – Chromium Plated.
 Size Plate 1½x1-3/8 Inches.

One Pull Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 1 Pound.

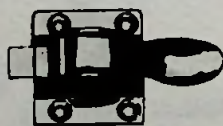


Fig. 1102-SP

CUPBOARD CATCHES – Fig. 1102-SP
 Die Cast Zinc Alloy – Chromium Plated.
 Base Without Strike 1-1/2 x 1-3/8 Inches.
 Supplied complete with flush and 3/8 inch offset strike.

One Catch Per Card.
 Six Cards Per Box.
 Weight Per Box, 1 Pound.

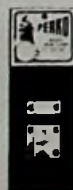


Fig. 1101-SP

CUPBOARD BOLT – Fig. 1101-SP
 Die Cast Zinc Alloy – Chromium Plated.
 Base Without Strike 1½x1½ Inches.

One Bolt Per Card.
 Six Cards Per Box.
 Weight Per Box, 1¼ Pounds.

ELBOW CATCHES – Fig. 1056-SP
 Die Cast Zinc Alloy – Chromium Plated.
 Size of Base 1-1/8x9/16 Inches.

One Catch Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 1 Pound.

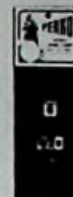


Fig. 1056-SP

“POLYDEL” DOOR CATCHES – Fig. 559-SP
 Gray Delrin Ball Stud – Polyethylene Catch – Holds Door
 Firmly in Place Against Vibration and Motion.

Stud Size Inches	Catch Size Inches
1-1/8x3/8	1-3/8x7/8

One Pair Per Card.
 Twenty-Five Cards Per Box.
 Weight Per Box, 1 Pound.



Fig. 559-SP

SPRING TYPE DOOR BUTTON – Fig. 1216-SP
 Die Cast Zinc Alloy – Chromium Plated – Black Plastic Knob
 Eliminates rattling doors. Phosphor bronze coil spring under
 knob holds button snugly against the plate. Drilled and counter-
 sunk for No. 6 screw.

Plate Diameter Inches	Width Less Keeper Inches
1-11/16	1-3/16

One Button Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 1 1/4 Pounds.

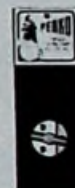


Fig. 1216-SP

SLIDING WINDOW LOCK AND ANTI RATTLER – Fig. 937-SP

Die Cast Zinc Alloy – Chromium Plated – Bakelite Knob –
 Plastic Tip.

Height Overall Inches	Mounting Plate Inches	Length Screw Inches
1-5/8	1 x 5/8	1-1/8

One Pair Per Card.
 Six Cards Per Box.
 Weight Per Box, 2 Pounds.



Fig. 937-SP

WARDROBE OR UTILITY HOOK – Fig. 610-SP
 Die Cast Zinc Alloy – Chromium Plated.

Projection Inches	Width Base Inches
1-3/8	1-1/8

Two Per Card.
 Six Cards Per Box.
 Weight Per Box, 10 Ounces.

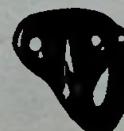


Fig. 610-SP



Fig. 606-SP

FAST EYE SNAP HOOKS — FIG. 606-SP

Galvanized Drop Forged Steel — Stainless Steel Spring.

No.	I.D. of Eye Inches	Length Overall Inches	Throat Opening Inches	Safe Working Load Pounds
1	3/4	4	3/4	500

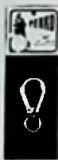
One Hook Per Card.

Twelve Cards Per Box.

Weight Per Box, 2½ Pounds.



Fig. 1289-SP



SWIVEL EYE SNAP — Fig. 1289-SP

Die Cast Zinc Alloy — Chromium Plated.

Has an interlocking device on tongue and hook.

Inside Diam. Eye Inches	Extreme Length Inches
5/8	3

One Snap Per Card.

Twelve Cards Per Box.

Weight Per Box, 2½ Pounds.

This Snap not to be used for lifting, winching, towing or mooring or like applications.



Fig. 659-SP



SWIVEL EYE SNAP — Fig. 659-SP

Cast Bronze.

Extreme Length Inches	Inside Eye inches	Inside Hook Inches
3-1/2	3/4	7/16

One Snap Per Card.

Ten Cards Per Box.

Weight Per Box, 2 Pounds.

This Snap not to be used for lifting, winching, towing or mooring or like applications.



Fig. 1017-SP

RING BUOY HOLDERS — Fig. 1017-SP

Brass — Chromium Plated.

Width Mounting Plate Inches	Hgt. Overall Inches	For Screw No.
3	4-1/2	8

One Holder Per Card.

Four Cards Per Box.

Weight Per Box, 2½ Pounds.



Fig. 1249-SP



LASHING HOOK — Fig. 1249-SP

For Boat Covers

Die Cast Zinc Alloy — Chromium Plated.

Length Overall Inches	Width Overall Inches	Inside Hook Inches	For Screw No.
15/16	1/2	1/4	6

Six Hooks Per Card.

Ten Cards Per Box.

Weight Per Box, 2¼ Pounds.

BOAT HOOK HOLDERS – Fig. 492-SP

18-8 Stainless Steel – Polished.

Will accommodate poles up to 1½ inch in diameter, and hold them firmly in place.

Length Inches	Width Inches	For Screw No.
3-1/2	1	6

One Pair Per Card.
Twelve Cards Per Box.
Weight Per Box, 3 Pounds.

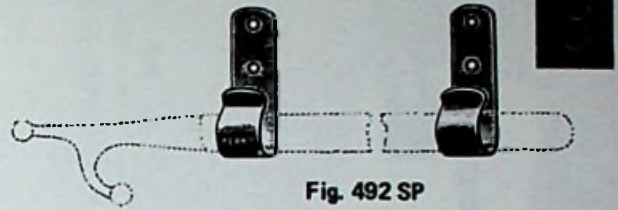


Fig. 492 SP

“HOLDALL” SPRING CLAMPS – Fig. 502-SP

18-8 Stainless Steel – Polished.

Excellent for stowing fishing rods, boat hooks, oars, swab, broom, flashlight, flagstaff, pump, etc.

No.	Adjust- ability Inches	Length From Wall Inches	Width of Metal Inches	For Screw No.
1	5/8 to 1-1/4	1-1/2	1/2	6

One Pair Per Card.
Twelve Cards Per Box.
Weight Per Box, 3 Pounds.

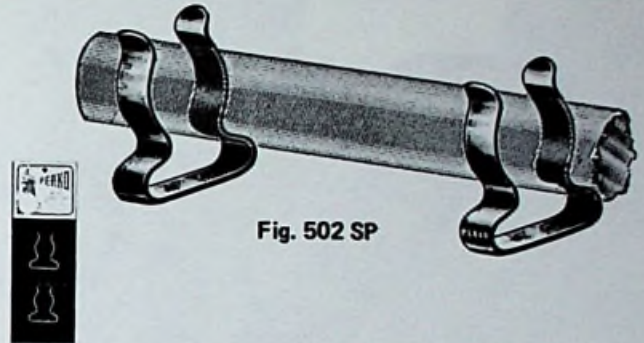


Fig. 502 SP

CONVERTIBLE BOAT TOP FITTINGS – Fig. 395-SP

Die Cast Zinc Alloy – Chromium Plated.

No.	Item
1	Deck Hinge or Bracket
3	Socket for 3/4 inch tubing
6	Slide for 3/4 inch tubing

Two Fittings Per Card.
Six Cards Per Box.
Weight Per Box, 1½ Pounds.

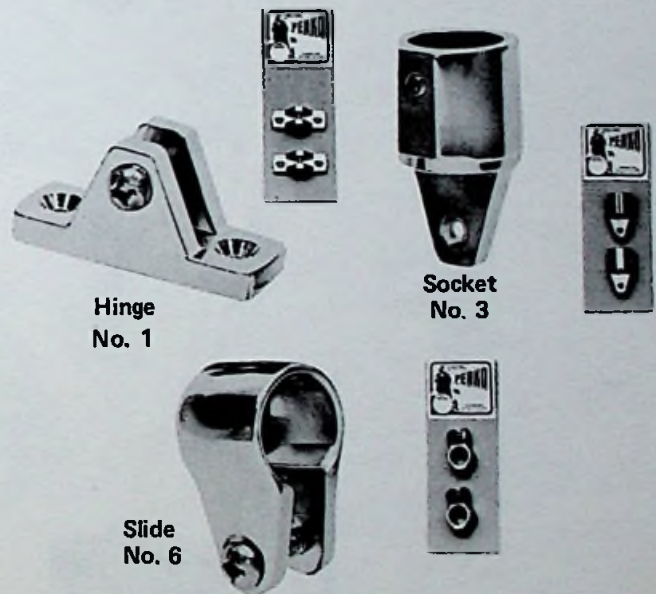


Fig. 395-SP

OUTRIGGER TROLLING PIN OR CLIP – Fig. 469-SP

High Impact Black Plastic – Stainless Steel Eyes and Spring – Sunlight and Salt Water Resistant.

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

One Pair Per Card.
Six Cards Per Box.
Weight Per Box, 3 Pounds.



Fig. 469-SP

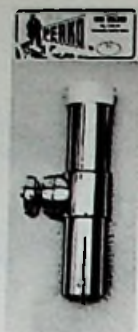


Fig. 1118-SP

**CLAMP-ON
FISHING ROD HOLDER – Fig. 1118-SP
CHROMIUM PLATED**

Clamp-on feature eliminates drilling of rail.
For Mounting On Vertical or Horizontal Rails.
Complete with full length Inner Liner.

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Inches	For Rails Diameter Inches
1-3/4	2	9	3/4 to 1

One Holder Per Card.
Three Cards Per Box.
Weight Per Box, 4 1/2 Pounds.



Fig. 1205-SP

FISHING ROD HOLDER – Fig. 1205-SP

Chromium Plated Flange – Anodized Aluminum Tube –
Soft White Vinyl Liner and Full Length Inner Liner.

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches
1 1/2	2	8	4 1/4 x 3 1/2

One Holder Per Card.
Four Cards Per Box.
Weight Per Box, 4 1/2 Pounds.



Fig. 1104-SP

**FISHING ROD HOLDER—Fig. 1104-SP
Black Plastic With Chromium Plated Brass Brackets.**

Length Overall Inches	Inside Diameter Inches	Outside Diameter Inches	Width Bracket Inches
9	1 3/4	2	3 1/4

One Holder Per Card.
Six Cards Per Box.
Weight Per Box, 4 Pounds

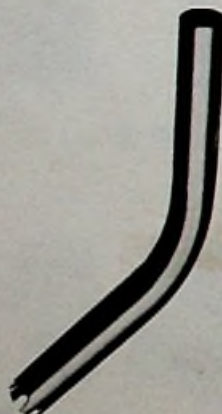


Fig. 1314-SP

**OUTRIGGER POLE HOLDER
DECK MOUNT – Fig. 1314-SP**

Chromium Plated Plates.
Stainless Steel Tubes
Use with Fiberglass Outrigger Poles.

No.	Outside Diameter Tube Inches	Inside Diameter Tube Inches	Dimensions Plate Inches
1	1 1/4	1.125	5 x 2 1/2

One Pair Per Card.
Four Cards Per Box.
Weight Per Box, 10 Pounds.



PERKO[®]

SECTION M

Chromalex[®] III

Lights and Deck Fittings



MANUFACTURED BY PERKO, INC. 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164

FOR COMPLETE LINE SEE CATALOG NO. 235

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Chromalex® III Lights

NEW IMPROVED NATURAL TEAK COLOR

CHROMALEX® III offers the elegance of TEAK combined with strong functional hardware. The precision die cast bodies are protected by our exclusive PERKOPLATE seven step plating process for beauty and durability. The thick, high impact plastic inserts are ultra-sonically welded in place and like the tough ebony bases are impervious to fiber-glass cleaners, including acetone and all the corrosive conditions of the sea.

PATENT NO. 3,828,714



FIG. 1510

COMBINATION BOW LIGHT – Fig. 1510

20 Points – 225 Degrees – 1 Mile Visibility

Red and Green Fresnel Lenses

Delrin Non-Corrosive Electric Socket

Certified and Supplied with a No. 1004, 12 Volt Lamp.

Each	Size Base	Height Inches	Screw No.	Weight Ounces
	4x3-1/8	1-7/8	8	5-1/2

OEM Package, 50.

Spare Lenses – 283R-Red, 283-G Green.

Spare Lamps (Bulbs), See Fig. 337 No. 12.

Spare Electric Sockets, See Fig. 24 No. 1.

STERN POLE LIGHTS

32 Points – 360 Degrees – 2 Mile Visibility

Modern Frosted Globes

Delrin Non-Corrosive Electric Sockets

Certified and Supplied with a No. 1004, 12 Volt Lamp

FIG. 1511 – TELESCOPING TYPE

Equipped with a Positive and Unique Tightening Device for Adjusting the Height or Removing the Pole from the Base. No Metal to Metal Contact or Threads to Corrode and Freeze up.



FIG. 1511

FIG. 1530 – STOW-A-WAY TYPE

Has same Tightening Device as Fig. 1511. Female Double Contact Connector in Bottom of Pole, Male Connector in Mounting Base, Completes Contact When Pole is Inserted in Base. A Plastic Cap is Attached to Base to Waterproof the Opening when Pole is Removed.



FIG. 1530

No.	Fig. 1511 Each	Fig. 1530 Each	Maximum Length Inches	Weight Pounds
2			24	7/8
3			30	1
4			36	1-1/8

Base Dimensions – 3-5/8" Long, 1-1/2" Wide.

OEM Package, 50.

Spare Globes, Specify Fig. 201.

Spare Lamps (Bulbs), See Fig. 337 No. 12.

Spare Electric Sockets, See Fig. 24 No. 2.

Chromalex® III Cleats

M-3



FIG. 1505

FIG. 1505—CLOSED BASE CLEATS

For Screws or Bolts.

No.	Each	Length Overall Inches	Base Inches	For Rope Inches	For Screw No.	Weight Ounces
1		4-1/2	3-3/4x1-1/16	3/8	10	5-1/2
2		6	5 x1-3/8	1/2	1/4"	11

O.E.M. Package, 50 Pieces.



FIG. 1515

FIG. 1515—CLOSED BASE CLEATS

With Studs, Nuts and Washers.

No.	Each	Length Overall Inches	Base Inches	For Rope Inches	Stud Size	Weight Ounces
1		4-1/2	3-3/4x1-1/16	3/8	12-24x1-1/2	5-1/2
2		6	5 x1-3/8	1/2	1/4-20x1-1/2	11

O.E.M. Package, Size No. 1—50 Pieces, Size No. 2—40 Pieces.



FIG. 1506

FIG. 1506—OPEN BASE CLEATS

For Screws or Bolts.

No.	Each	Length Overall Inches	Base Inches	For Rope Inches	For Screw No.	Weight Ounces
1		4-1/2	2-1/2x1-1/16	3/8	10	5
2		6	3-1/4x1-3/8	1/2	1/4"	10
3		8	3-7/8x1-1/2	3/4	1/4"	12

O.E.M. Package, 50 Pieces.



FIG. 1516

FIG. 1516—OPEN BASE CLEATS

With Studs, Nuts and Washers.

No.	Each	Length Overall Inches	Base Inches	For Rope Inches	Stud Size	Weight Ounces
1		4-1/2	2-1/2x1-1/16	3/8	12-24x1-1/2	5
2		6	3-1/4x1-3/8	1/2	1/4-20x1-1/2	10
3		8	3-7/8x1-1/2	3/4	1/4-20x1-1/2	12

O.E.M. Package, Size No. 1—50 Pieces, Size No. 2—40 Pieces, Size No. 3—30 Pieces.

CHROMALEX® I, II, and III fittings are precision cast to assure uniformity and interchangeability . . . a feature which eliminates costly jig and tooling changes for builders and allows the individual boat owner to change hardware styles with a minimum of effort. See Catalog No. 235 for complete details on CHROMALEX® I and II lights and deck fittings.

Chromalex® III Deck Fittings



FIG. 1512

FIG. 1512—COWL VENTILATOR

Designed for fast mounting.
No Screw Heads will show. Has integral Air Scoop.
No Hose Clamps Necessary—Duct threads into collar.

Each	Mouth Opening Square Inches	Length Overall Inches	Width Overall Inches	Height Overall Inches	O.E.M. Package	Weight Ounces
	7	5-3/4	4-3/8	2-5/8	50	11



IMPROVED

Fig. 1513

Fig. 1513—GAS FILL

Improvement In This Fill Is The Addition Of A Flexible And Permanent Tab Which Prevents Loss Of Cap. Also Acts As A Seal Under Cap.

Molded Teak Plastic Cap.
Neck has bead for improved hose retention.
Designed to meet the requirements of U.S.C.G. Safety Standards, January 31, 1977

Each	Diameter Overall Inches	Length Hose Neck Inches	For Hose Inches	For Screw No.	O.E.M. Package	Weight Ounces
	3-1/8	1-5/8	1-1/2	7	50	7

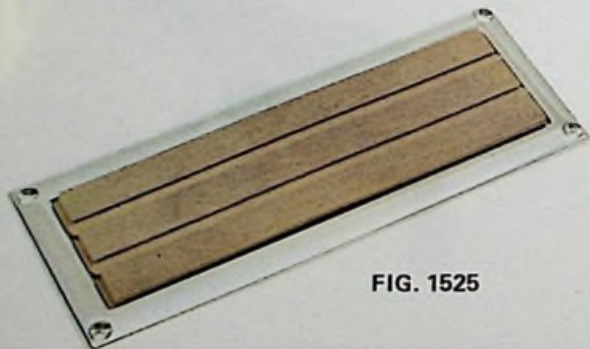


FIG. 1525

FIG. 1525—STEP PLATES

Die Cast Zinc Alloy Frames—Chromium Plated.
Molded Teak Plastic Non-Skid Pads.

No.	Each	Overall Dimensions Inches	For Screw No.	Standard Package	Weight Ounces
0		8-3/8x2-1/4	8	10	5
1		8-3/4x3-1/4	8	10	5



Fig. 1526

FIG. 1526—STEP PLATES

Molded Teak Plastic Non-Skid No Frame Required.

No.	Each	Overall Dimensions Inches	For Screw No.	Standard Package	Weight Ounces
0		9 x2-1/4	8	10	2
1		9-7/8x2-7/8	8	10	4

Note: To Boat Builders

These Step Plates Can Be Provided With Special Inserts Personalizing Company Name or Logo.
Manufacturing Quantities Only. Contact O.E.M. Sales Division for Full Details.

MANY OF THESE FITTINGS ARE AVAILABLE IN SKIN PACK, SEE CATALOG NO. 235, SECTION "L".

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