

75th Anniversary Issue

PERKO®

"The difference is distinctive"



Catalog No. 240-R

NOTE

SECTIONS A AND B OF THIS CATALOG HAVE BEEN REVISED.
ALSO SEE NEW SECTION R FOR NEW AND IMPROVED PRODUCTS.

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*Winslow Homer, THE HERRING NET, 1885.
Mr. & Mrs. Martin A. Ryerson Collection,
The Art Institute of Chicago*

PERKO INC.

Factory and Main Office
16490 Northwest 13th Avenue
P.O. Box 64000D
Miami, Florida 33164

Telephone
Area Code 305-621-7525

Cable Address
"PERKO" Northmiamiflorida

Telex No. 51 9658

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

CATALOG NO. 240-R

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LIGHTS & HARDWARE



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Marvin S. Perkins
PRESIDENT

A word to our friends on our 75th Anniversary:

Many people have asked me my personal feelings as Perko celebrates its 75th anniversary. I think the words "quiet pride" summarize my thoughts.

Those of you who know us realize we won't have any fireworks display. Instead, we'll take this opportunity to reflect on our past with quiet pride.

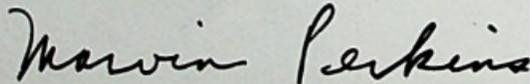
Pride in the way we've grown from a beginning product line of a handful of items to approximately 5000 separate products — manufactured exclusively for the marine industry. Pride in our physical growth from one compact room to about 250,000 square feet of modern manufacturing and office facilities. Pride in our distribution, which has grown from one small area to the entire world.

I'm certain the founders of Perko would be pleased with our progress. And it would be quite natural to dedicate our 75th anniversary to them.

But there's one more area of quiet pride. That's our staff and employees. It has been their dedication, loyalty, and devotion that has helped us earn our reputation as manufacturers of the world's finest marine lights, hardware and accessories. Our Commitment to Excellence is not merely a corporate slogan; it represents the deep, personal conviction of each of us on an individual basis.

So I think our founders would be pleased if we dedicated our 75th anniversary to them. I think they'd be even more pleased, however, to know it's being dedicated to our staff and employees.

They'd probably experience the same emotions I have: Quiet Pride.



Marvin Perkins
President

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Secretary



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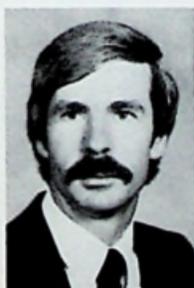


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LINDA SYKES
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EXPORT DIVISION



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Export Sales Mgr.



ELENA HOLCOMB
Export

SALES REPRESENTATIVES

PACIFIC & WESTERN AREA



James K. Dugan



Dan A. Naber

JAMES K. DUGAN and ASSOCIATES, INC.
Southern California — Nevada — Arizona —
New Mexico — Hawaii
4009 Segerstrom
Santa Ana, CA 92704
Phone 714-979-5410

JAMES K. DUGAN and ASSOCIATES, INC.
Northern California —
Utah — Colorado
641 East 10th St.
Oakland, CA 94606
Phone 415-444-5050



Wayne R. Mooers



Ralph K. Beringer



Tom Harger

JOHN B. MERIFIELD CO. INC.
Washington — Oregon
Idaho — Montana —
Wyoming — Alaska
927 N.W. 50th St.
P.O. Box 70626
Seattle, WA 98107
Phone 206-789-1800



Ivan Cross

GULF COAST AREA



Jim Tranchin



Joe Berggren



Kyle McHugh



Tennant Tranchin

F.F. TRANCHINA CO., INC.
Louisiana-Alabama-Mississippi-
Tennessee
1005 Magazine St.
New Orleans, LA 70130
Phone 504-524-7451



Robert F. Tranchin

F.F. TRANCHINA CO., INC.
Northern Texas
8100 Sovereign Row
Dallas, TX 75247
Phone 214-631-5123



Hugh W. Mulholland

F.F. TRANCHINA CO., INC.
Southern & Central
Texas
1511 Lake Bank Court
Seabrook, TX 77586
Phone 713-334-3291

**SOUTHERN EAST
COAST AREA**



Henry S. Gartner



Jack Barnes

HENRY S. GARTNER & ASSOCIATES, INC.
South Florida
P.O. Box 50227
Lighthouse Point, FL 33064
Phone 305-781-4303

HENRY S. GARTNER & ASSOCIATES, INC.
Central & No. Florida
P.O. Box 611
Vero Beach, FL 32960
Phone 305-231-1441



George P. Bunnell

HENRY S. GARTNER & ASSOCIATES, INC.
Western Florida
1513 Price Circle West
Clearwater, FL 33516
Phone 813-531-3925



Bruce Weber

HENRY S. GARTNER & ASSOCIATES, INC.
Georgia — So. & No. Carolina
2419 Tram Road
New Bern, NC 28560
Phone 919-633-1210



Ken Williams

NEW ENGLAND AREA



Wm. K. Carswell



Shirley Carswell

CARSWELL ASSOCIATES
Maine — New Hampshire — Massachusetts — Rhode Island — Connecticut
51 Old Road
Eliot, ME 03903
Phone 207-439-3623

MID ATLANTIC AREA

JOHN BERGBAUER & ASSOCIATES
Long Island, NY — New Jersey — VA — Delaware — Maryland
Eastern Pennsylvania
106 North Concord Ave.
Havertown, PA 19083
Phone 215-449-5554



John Bergbauer

ASSOCIATE:
James T. Parrino, Jr.
Box 458
Califon, NJ 07830
Phone 201-832-2003



James T. Parrino, Jr.

EASTERN AREA



R. William Burt



Ed Kuykendall

HERMAN C. OSEROFF & ASSOCIATES
Ohio — Michigan
2313 W. 12 Mile Rd.
Berkley, MI 48072
Phone 313-541-4404

ASSOCIATE:
Earl Henderson
1804 Beulah Vista Blvd.
Valparaiso, IN 46383
Phone 219-465-1186



Earl Henderson

MID WEST AREA

Western Division
MIDWESTERN SALES CO., INC.
Missouri — Kansas — Iowa — Oklahoma — No. & So. Dakota — Nebraska — Arkansas
9849 Briar Drive
Overland Park, KS 66207
Phone 913-649-1270



Dennis Wills

Central Division
WILLIAM D. GREENE & ASSOCIATES, INC.
Illinois — Indiana — Wisconsin — Minnesota
Kentucky
730 No. Waukegan Rd.
P.O. Box 325
Deerfield, IL 60015
Phone 312-945-0545



Wm. D. Greene

ED SHELDON & ASSOCIATES, INC.
New York State
Western Pennsylvania
4280 St. Paul Blvd.
Rochester, NY 14617
Phone 716-467-7369



Edward J. Sheldon

ASSOCIATE:
Graham Strutt

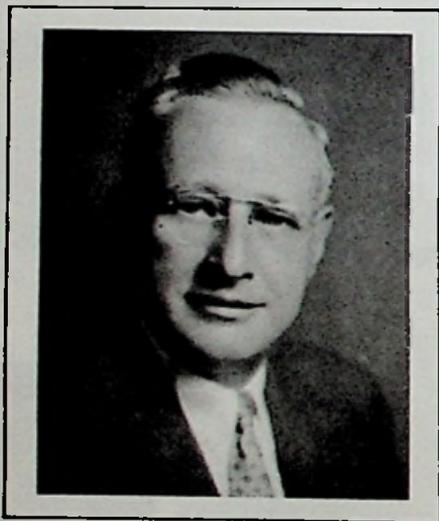


Graham Strutt

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.

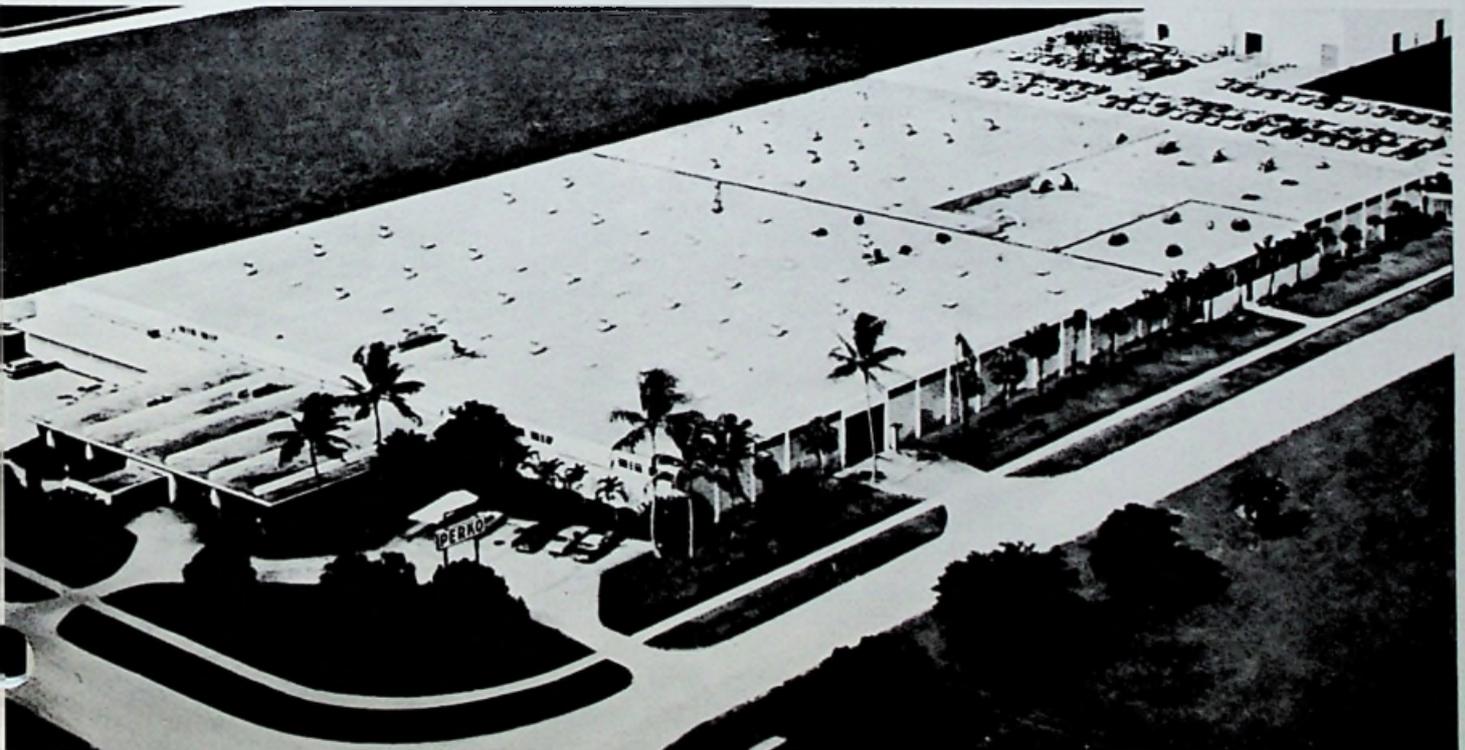
Upon the passing of Louis Perkins in 1964, Marvin continued to add to Perko's facilities. From an initial plant of 78,000 square feet, Perko's facilities now span approximately 225,000 square feet of office and manufacturing space. With this tremendous growth and expansion, you might think that the company 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 do not necessarily establish resale prices. Applicable governmental regulations, shipping costs and other complications should be considered in arriving at a fair price. All prices are subject to change without notice. Terms are 2% 10th prox. net 30 days. 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.**

PERKOPLATE LIMITED WARRANTY

Perko, Inc. guarantees that all of its products finished with PERKOPLATE chromium plating process will maintain their original luster and brightness for as long as the original consumer-purchaser owns it.

During the Warranty period, Perko, Inc. agrees to repair or replace, (at Perko's option) without cost to the original consumer-purchaser, any product upon which the PERKOPLATE chromium finish corrodes, becomes dull or otherwise does not maintain its original luster and brightness. For this Warranty to be effective, the Perko product must be returned prepaid and insured to Perko, Inc. at its address shown below.

This Warranty is void if the PERKOPLATE finish has been damaged by accident or unreasonable use, neglect, improper service or other causes not arising out of defects in material or workmanship.

IN NO EVENT SHALL PERKO, INC. BE LIABLE FOR LOSS OF USE OF ITS CONSUMER PRODUCTS NOR FOR OTHER INCIDENTAL OR CONSEQUENTIAL COSTS, EXPENSES, OR DAMAGES INCURRED BY ANY PERSON.

Some States do not allow the exclusion or limitation of incidental or consequential damage, so the above limitation or exclusion may not apply to you.

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

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

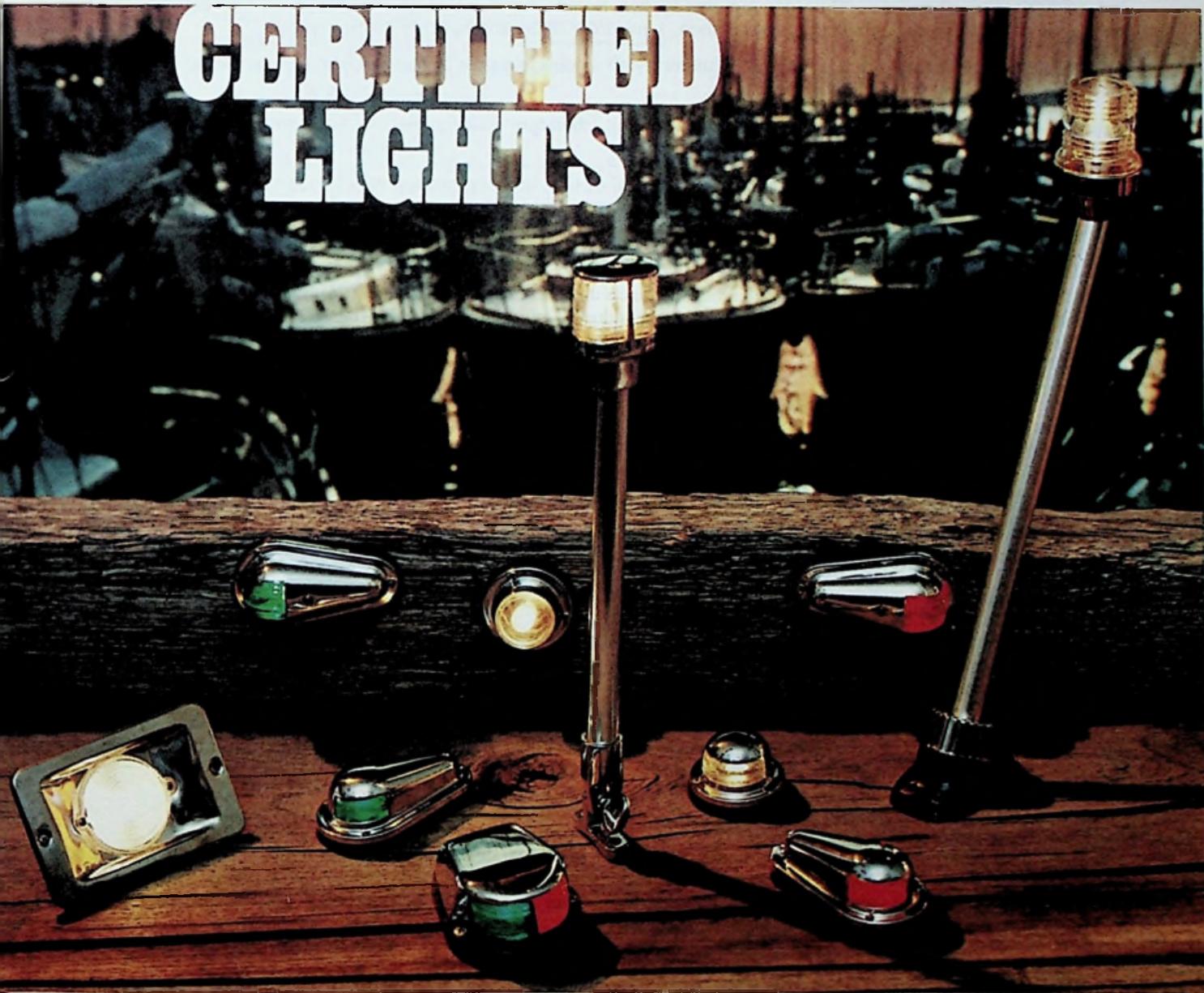
1. Advise the delivering carrier in writing as soon as discovered or at least no more than 15 days after delivery, and request carrier to make an inspection.
2. RETAIN for the carrier's inspection, the CONTAINER and ALL PACKING that the damaged or lost material was packaged in.
3. SHORTAGES — Must be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

PERKO®

SECTION
A

Navigation lights
for vessels
under 20 meters (65.6 ft.)

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. 240-R

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CERTIFICATION OF NAVIGATION LIGHTS FOR VESSELS UNDER 20 METERS (65.6 Ft.)

BACKGROUND

The National Marine Manufacturers 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.

NMMA 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 NMMA inaugurated a certification program for boat manufacturers including 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.

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

During the past several years we have devoted a great deal of time and expense to field and laboratory testing in an effort to comply with NMMA standards and to enable us to certify accordingly.

PRESENT

Currently, federal regulations for navigation lights on vessels under 20 meters are split. The U.S.C.G. regulates and enforces the configuration and carriage of lights on the vessel, but industry standards regulate the design, manufacture, and certification of the lights. At the moment, the only means of certification widely recognized in the United States is through the NMMA program discussed above.

It is important to note that navigation lights can be tested and certified to meet the 72 COLREGS in a foreign country, however, each country has its own testing and certification procedure, which differs from the U.S. procedure. This means that a navigation light certified to meet the 72 COLREGS may be referring to approvals granted by another government, and cannot be recognized by the USCG for U.S. vessels until such time as the light passes the U.S. Standard. At this time, our government has no plans to accept foreign approvals as meeting the U.S. Standard.

Our navigation lights presently are certified under the NMMA Certification Procedure. The symbol **CERTIFIED** as it appears throughout this catalog, as well as the marking "A-16" on the light fixture indicates this certification.

FUTURE

PERKO shall continue to progress in meeting the latest standards. Due to the somewhat volatile nature of the rulemaking on this subject, it is difficult to predict when and in what exact form new regulations will appear. Once this happens, we will have navigation lights certified to the new standard well in advance of the "effective dates" (the dates that the regulation specifies that only navigation lights certified to the new standard may be installed on a vessel).

The U.S. Coast Guard has also indicated that a vessel under 20 meters which was fitted with navigation lights prior to the effective date, need not refit with lights certified to the new standard.

INTERNATIONAL AND INLAND RULES

The U.S. Coast Guard has published rulemaking covering the technical details of navigation lights in accordance with both the International Rules (72 COLREGS) and the Inland Navigation Rules Act of 1980 (Public Law 96-591). These navigation rules are bound into a single volume and may be obtained from either the U.S. Coast Guard or the Superintendent of Documents by specifying "Comdtinst M16672.2".

To summarize, PERKO is, and will continue, to manufacture navigation lights that meet all current and future U.S. regulations. The proper installation of a current model of PERKO navigation lights will assure the meeting of the U.S. regulation in effect at the time.

COMBINATION SIDE LIGHTS

PERKOPLATE CHROMIUM FINISH — RED AND GREEN LENSES

FOR USE ON POWER DRIVEN VESSELS UNDER 12 METERS (39.4 ft.)

20 POINTS — 225 DEGREES — 1 MILE VISIBILITY

CERTIFIED WITH A FIG. 71, 12 VOLT LAMP, SUPPLIED WITH LIGHT

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

MARK I

"CHROMALEX"[®] MARK I

Fig. 1161 Has Bronze Housing
Mounted on Black Plastic Base
Patent No. 3, 828, 714
Chromium Plated Housing

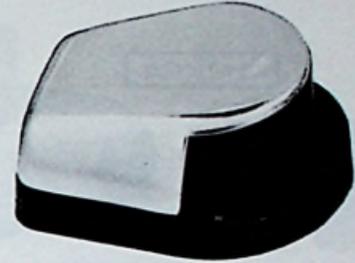


Fig. 1161 — Bronze
Fig. 1310 — Zinc Alloy

CERTIFIED

"CHROMALEX"[®] MARK I

Fig. 1310 Has Die Cast Zinc Alloy Housing
Mounted on Black Plastic Base
Patent No. 3, 828, 714
Chromium Plated Housing

"CHROMALEX"[®] MARK II

Fig. 1410 Has a Black Plastic Insert on Top of Die Zinc Alloy Housing
Mounted on Black Plastic Base
Patent No. 3, 828, 714
Chromium Plated Housing

MARK II



Fig. 1410

CERTIFIED

SEE SECTION "M" FOR "CHROMALEX"[®] III
COMBINATION SIDE 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



Fig. 1310-SP

SEE SECTION "L" FOR CHROMALEX[®] III

SKIN PACKED COMBINATION SIDE LIGHT

Fig. 1218 Has a Die Cast Zinc Alloy Housing
Chromium Plated

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



Fig. 1218

CERTIFIED

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



Fig. 1218-SP

SPARE PARTS

Lenses, Red for Figs. 1161, 1310, 1410, Specify Fig. 283 RA
Lenses, Green for Figs. 1161, 1310, 1410, Specify Fig. 283 GA
Electric Sockets for Figs. 1161, 1310, 1410, Specify Fig. 107

Lenses, Red for Fig. 1218, Specify Fig. 259 RA
Lenses, Green for Fig. 1218, Specify Fig. 259 GA
Electric Socket for Fig. 1218, Specify Fig. 130

COMBINATION SIDE LIGHTS

BRASS — PERKOPLATE CHROMIUM FINISH — RED AND GREEN LENSES
 FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METERS (39.4 ft.)
 20 POINTS — 225 DEGREES — 1 MILE VISIBILITY
 CERTIFIED WITH A FIG. 71, 12 VOLT LAMP, SUPPLIED WITH LIGHT

CERTIFIED

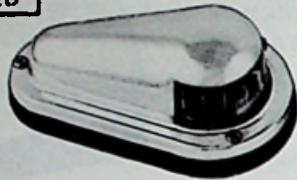


Fig. 904

Fig. 904

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



Fig. 972

CERTIFIED

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-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

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. Deck Fittings are Die
 cast Zinc Alloy — Chromium Plated.

Fig. 970

Light is Removable From Deck Socket for Stowing Away —
 Makes or Breaks Electric Connection When Inserted or
 Removed, an indexing feature assures the proper alignment
 fore and aft.

Has Waterproof Cap for Opening When Light Is Removed



Fig. 970

CERTIFIED

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.



Fig. 974

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

SPARE PARTS

Lenses, Red, Specify Fig. 296R
 Lenses, Green, Specify Fig. 296G
 Electric Sockets, Specify Fig. 107

Fig. 974 Bracket Assembly with Thumb Screw an end cap,
 Specify Fig. 1120
 Fig. 970 Spare Mounting Base, Specify Fig. 1023.

**NEW
COMBINATION SIDE LIGHTS**
DURABLE BLACK PLASTIC HOUSING — RED AND GREEN LENSES
FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METERS (39.4 ft.)
20 POINTS — 225 DEGREES — 1 MILE VISIBILITY
CERTIFIED WITH A FIG. 71, 12 VOLT LAMP, SUPPLIED WITH LIGHT

Fig. 1610

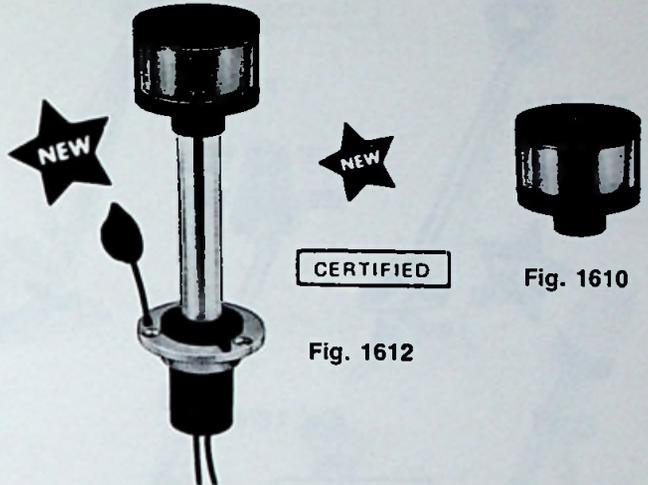
Each	Height Inches	Diameter Base Inches	Diameter Neck Inches	Length Neck Inches	Weight Ounces
	1-1/2	2-1/4	1	5/8	2-1/4

Fig. 1612

Light is Removable From Deck Socket for Stowing Away — Makes or Breaks Electric Connection When Inserted or Removed, an indexing feature 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	7



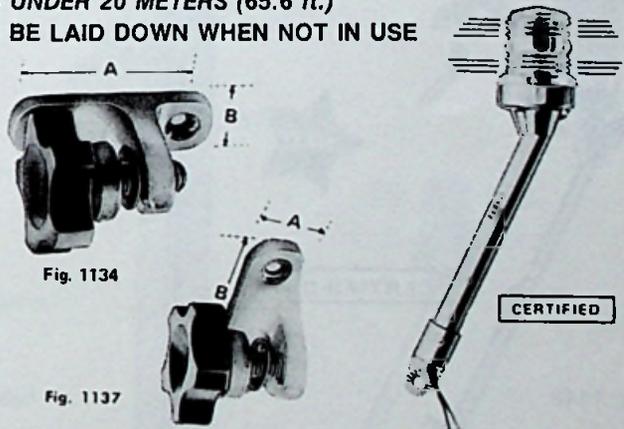
WINDSHIELD MOUNT FOLD DOWN TYPE ALL-ROUND WHITE LIGHT
DIE CAST ZINC ALLOY BASE AND GLOBE HOLDER — CHROMIUM PLATED
FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)
ADJUSTABLE TO VARIOUS ANGLES OR CAN BE LAID DOWN WHEN NOT IN USE

Each	Height Overall Inches	Vertical Height Inches	Diameter Tubing Inches	Weight Ounces
	13-1/2	12-1/4	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 Knob, Washer and End Cap
 Spare Knob Only Specify Fig. 1144-A



**IMPROVED
GLARE SHIELD — Fig. 1192**
BLACK PLASTIC — FOR 3/4" TUBING

This Newly Designed Glare Shield Will Fit Any Pole Light or Combination Bow and Anchor Light Using 3/4 Inch Diameter Tubing. It Has Been Increased In Size by Almost 50 Percent For More Effective Reduction of Glare.

Installs Quickly and Easily Without Need To Remove Light Fixture From Tubing. Complete With Set Screw To Secure Shield Firmly In Place.

Each	Dimensions Inches	Weight Ounces
	6x4-5/16	3

Standard Package, 5 Pieces.

Note: Fig. 1192 Is Also Available In Skin Pack, See Section L.

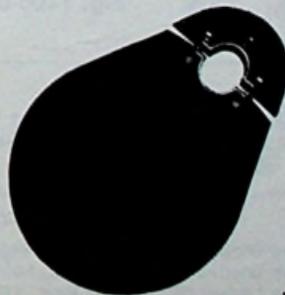


Fig. 1192

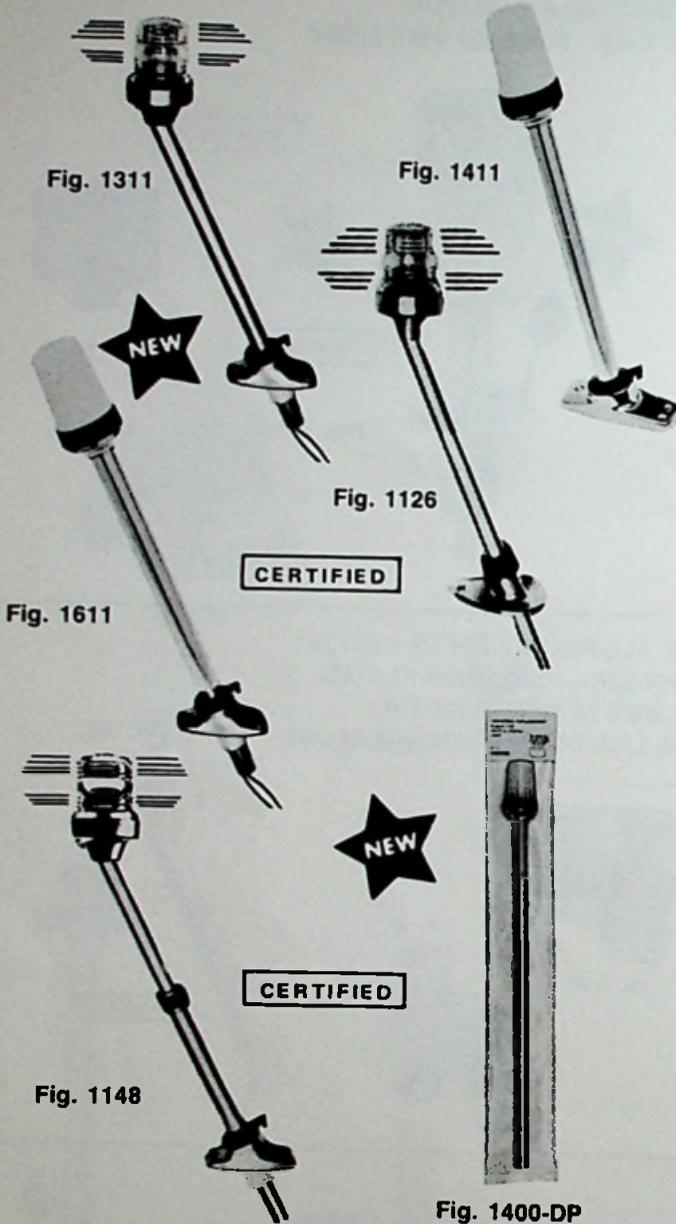
SPARE PARTS FOR FIGS. 1610 AND 1612

Lenses, Red, Specify Fig. 283-RA
 Lenses, Green, Specify Fig. 283-GA

Electric Sockets, Specify Fig. 139
 Fig. 1612 Spare Mounting Base, Specify Fig. 1023.

DECK MOUNT TELESCOPING ALL-ROUND WHITE LIGHTS FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)

Anodized Aluminum Tube — Die Cast Zinc Top and Base — Chromium Plated — Delrin D.C. Socket — with Bulb
Clear or Frosted Globe — Certified with 12 Volt 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	Fig. 1611 Each	Length Inches	Vertical Height Inches 1311	Vertical Height Inches 1411,1611	Weight Pounds
2				24	22-3/8	22-3/8	7/8
3				30	26	25-3/8	1
4				36	31-1/8	31-1/4	1-1/8

★
Fig. 1126

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

No.	Each	Length Inches	Vertical Height Inches	Weight Pounds
2		24	20-3/4	1
3		30	27-3/8	1-1/8
4		36	32-3/4	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 3/4	Vertical Height Inches 46-7/8	Weight Pounds 1-1/2
------	---	--	---------------------------

★
**NEW
UNIVERSAL REPLACEMENT
PLUG-IN TYPE — Fig. 1400-DP**

This Unit has been designed to fit PERKO Figs. 1330, 1430, 1530, 1630 and 1631 as well as many competitive Pole Lights.

It is offered as an Economical Alternative to Replacing an Entire Light Fixture when only the Pole Section has been lost or damaged.

No.	Length Inches	Weight Pounds
1400DP2	24	1/2
1400DP3	30	5/8
1400DP4	36	3/4
1400DP5	42	7/8
1400DP6	48	1
1400DP7	54	1-1/8

Note: All sizes are shipped in convenient, attractive Display Packages.

Standard Minimum Package, 10 pieces per size.



Figs. 1126, 1311, 1411 and 1611 Size No. 2,
Available in Display Pack, See Section L.

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

SPARE PARTS FOR POLELIGHTS PAGES A-6 AND A-7

- Spare Globes with Gasket For Figs. 1126, 1148, 1209, 1311 and 1330, See Fig. 248 Clear.
- Spare Globes For Figs. 1400, 1411, 1430, 1611, 1630 and 1631, See Fig. 201.
- Spare Lamps (Bulbs) For Figs. 1126, 1148, 1209, 1311 and 1330, See Fig. 337 No. 11.
- Spare Lamps (Bulbs) For Figs. 1400, 1411, 1430, 1611, 1630 and 1631, See Fig. 337 No. 12.
- Spare Bulb Sockets, See Fig. 24 No. 2.
- Spare D.C. Electric Connector For Figs. 1209, 1330, 1430, 1630 and 1631, Specify Fig. 42.
- Spare Mounting Base For Figs. 1148, 1311 and 1611, Specify Fig. 1156.
- Spare Mounting Base For Fig. 1411, Specify Fig. 1411-99A.
- Spare Mounting Base For Figs. 1126, 1209, 1330, 1430 and 1630, Specify Fig. No. and 99A.
- Spare Mounting Base For Fig. 1631, Specify Fig. 1023.

DECK MOUNT STOW-A-WAY ALL-ROUND WHITE LIGHTS FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)

Anodized Aluminum Tube — Die Cast Zinc Top and Base — Chromium Plated — Delrin D.C. Socket — with Bulb
Clear or Frosted Globe — Certified with 12 Volt Bulb — 32 Points — 2 Mile Visibility

No.	1330 Each	1430 Each	Length Inches	Vertical Height Inches 1330	Vertical Height Inches 1430	Weight Pounds
2			24	19-1/8	20-1/2	1
3			30	26	26-3/4	1-1/8
4			36	31-1/8	32-5/8	1-1/4

NEW ECONOMY STOW-A-WAY LIGHTS

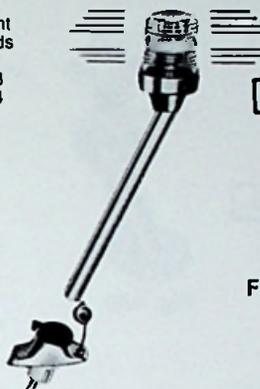
These New Models Offer the Consumer and Trade an Attractive, Modern Styled Light at Equally Attractive Prices.

Note, These units are offered in Longer Lengths up to 54" to assist the user in complying with the new U.S.C.G. Regulations which Require 1 Meter (39.4") separation between the forward Red/Green Light and the All-Round White Light.

No.	1630 Each	1631 Each	Length Inches	Vertical Height Inches 1630	Weight Pounds
2		N/A	24	19-1/8	1
3		N/A	30	25-3/8	1-1/8
4		N/A	36	31-1/4	1-1/4
5	N/A		42		1-3/8
6			48	42-1/2	1-1/2
7		N/A	54	47-1/8	1-5/8

All above Lights are Equipped with
A Plastic Cap Attached To Base To Waterproof
The Opening When Pole is Removed.

An Indexing Feature Assures The Proper Alignment
Fore And Aft.



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Fig. 1330



CERTIFIED

Fig. 1430



CERTIFIED

Fig. 1630



Fig. 1631



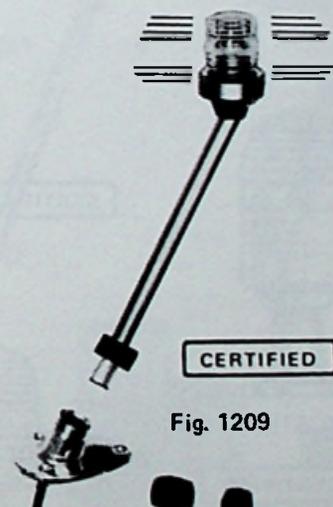
★ FIG. 1209 BRASS — CHROMIUM PLATED

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"

No.	Each	Length Overall Inches	Vertical Height Inches	Pounds
2		24	20-3/4	1
3		30	27-3/8	1-1/4
4		36	32-3/4	1-1/2



CERTIFIED

Fig. 1209



Figs. 1330, 1430, 1630, and 1209 Size No. 2,
Available in Display Pack, See Section L.

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



Fig. 1301



CERTIFIED



Fig. 455

CERTIFIED



Fig. 438

CERTIFIED



Fig. 362

CERTIFIED



Fig. 371

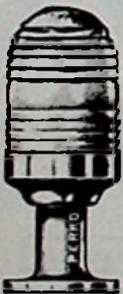


Fig. 112 B

CERTIFIED



Fig. 309 B

CERTIFIED

NEW ALL-ROUND WHITE LIGHT — FIG. 1301

Die Cast Zinc Alloy — Chromium Plated
 Certified with No. 1004-12V, 8 C.P. Bulb Supplied.
**FOR USE ON POWER DRIVEN VESSELS
 UNDER 20 METERS (65.6 ft.)**
 2 Mile Visibility.

Each	Height Inches	Size Base Inches	Weight Ounces
	8	1x2-5/8	7

ALL-ROUND WHITE LIGHT—Fig. 455

Die Cast Zinc Alloy — Chromium Plated
 Certified with No. 90 - 12 Volt, 6 C.P. Bulb Supplied.
**FOR USE ON POWER DRIVEN VESSELS
 UNDER 20 METERS (65.6 ft.)**
 2 Mile Visibility.

No.	Each	Height Inches	Vertical Height Inches	Size Base Inches	Weight Ounces
1		6	5-1/8	3x2-1/8	12
2		12	10-5/8	3x2-1/8	16

ALL-ROUND WHITE LIGHT—Fig. 438

All Brass — Chromium Plated
 Certified with No. 90, 12 Volt 6 C.P. Bulb Supplied
**FOR USE ON POWER DRIVEN VESSELS
 UNDER 20 METERS (65.6 ft.)**
 2 Mile Visibility.

No.	Each	Height Inches	Vertical Height Inches	Size Base Inches	Weight Ounces
1		6	5-1/8	3-3/8x2-1/4	6
2		12	10-5/8	3-3/8x2-1/4	10

ALL-ROUND WHITE LIGHTS—Figs. 362 & 371

Pressure Cast Bronze—Frosted Fresnel Globe—
 Double Contact Socket
**FOR USE ON POWER DRIVEN VESSELS
 UNDER 20 METERS (65.6 ft.)**

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.	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

ALL-ROUND WHITE LIGHTS—Figs. 112 & 309

Cast Bronze — Plain or Chromium Plated — Fresnel Globe
**FOR USE ON POWER DRIVEN VESSELS
 UNDER 20 METERS (65.6 ft.)**

Medium Screw Electric Socket — Bulb Not Included
 Clear and Yellow — Certified for 15 Watt A-17 Frosted Bulb.
 Red and Green — Certified for 25 Watt A-19 Frosted Bulb.
 12 or 32 Volt — 2 Mile Visibility

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

Yellow, Specify Fig. 112 MB, Fig. 309 MB
 Red, Specify Fig. 112 RB, Fig. 309 RB
 Green, Specify Fig. 112 GB, Fig. 309 GB

SPARE PARTS

Globes For Fig. 1301, See Fig. 201
 Globes For Figs. 362, 371, See Fig. 248F.
 Globes For Figs. 438, 455, See Fig. 248.
 Globes For Figs. 112, 309, See Fig. 106.
 D.C. Bulbs, See Fig. 337.

Medium Base Bulbs, See Fig. 340.
 Sockets For Figs. 362, 371 and 1301, See Fig. 24 No. 1.
 Sockets For Figs. 438 and 455, See Fig. 24 No. 2.
 Sockets For Figs. 112 B and 309 B, Specify Fig. 226.

ADJUSTABLE SPREADER FLOODLIGHT — Fig. 280

All Brass — Chromium Plated

12, 24 or 32 Volt

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

THIS ITEM AVAILABLE IN 12 VOLT, IN DISPLAY PACK. SEE SECTION L.



"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
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

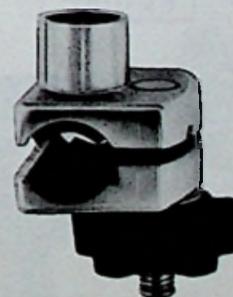
Die Cast Zinc Alloy — Chromium Plated

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

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

Size Nos. 2 and 3.

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



IMPROVED

Fig. 1302

SPARE PARTS

Globes For Fig. 329, Specify Fig. 250 and Color.
Lens with Gasket For Fig. 265, Specify Fig. 284.
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.

Sealed Beam Unit For Fig. 280, Specify Fig. 432 and voltage.



As a 225° Masthead Light

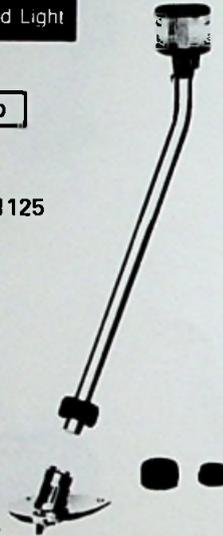
Combination Masthead and All-Round Lights Complete with Two Fig. 71, 12 Volt Bulbs — Anodized Aluminum Tube — Marine Alloy Zinc Housing — Chromium Plated Patent No. 3344264



As a 360° All-Round Light

CERTIFIED

Fig. 1125



FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.) MEETS BOTH 2 MILE AND 3 MILE REQUIREMENTS

STOW-A-WAY TYPE — Fig. 1125
 Brass Base — Chromium Plated — A Plastic Cap Provided To Waterproof The Opening When Pole Removed. A Plastic Cap Retainer Is Also Included

No.	Each	Length Inches	Vertical Height Inches	Weight Pounds
4		36	32-1/2	1-1/2



Fig. 1183



Fig. 1196

CERTIFIED



Fig. 1197

MAST ASSEMBLY — Figs. 1183 & 1197

Fig.	Each	Height Inches	Size Base Inches	Weight Ounces
1183		4-1/4	1x2-5/8	7
1197		5	3/4	7

FIXED ASSEMBLY — Fig. 1196

No.	Each	Height Overall Inches	Size Base Inches	Weight Ounces
1		6	1x2-5/8	8
2		12	1x2-5/8	10

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Fig. 1201

TRI-COLOR MAST LIGHT — Fig. 1201

Combination Port, Starboard and Stern Light

Red and Green Sections - 112 1/2° - 10 points each - 1 mile visibility

White (clear) Section - 135° - 12 points - 2 mile visibility

Complete with Two Fig. 71, 12 Volt, 10 watt bulbs

FOR USE ON VESSELS UNDER SAIL ALONE LESS THAN 12 METERS (39.4 ft.)

Mounting Bracket for Flat Surfaces is Easily Removed Base of Light Fits 3/4" O.D. Tubing.

Each	Height Overall Inches	Size Base Inches	C to C Mounting Holes	Weight Ounces
	4-1/4	1x2-5/8	1-3/4	7

WINDSHIELD MOUNTED STOW-A-WAY
COMBINATION MASTHEAD AND ALL-ROUND LIGHTS
Anodized Aluminum Tube — Marine Alloy Zinc Mounting
Brackets — Chromium Plated — For Flat Or V-Type
45 Degree Windshields — With Plastic Cap For Tube
When Pole Removed — Figs. 1123 & 1124

No.	Each	*Length Inches	Vertical Height Inches	Weight Pounds
1		13-1/2	11-1/2	1
2		26-1/2	21-1/8	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.

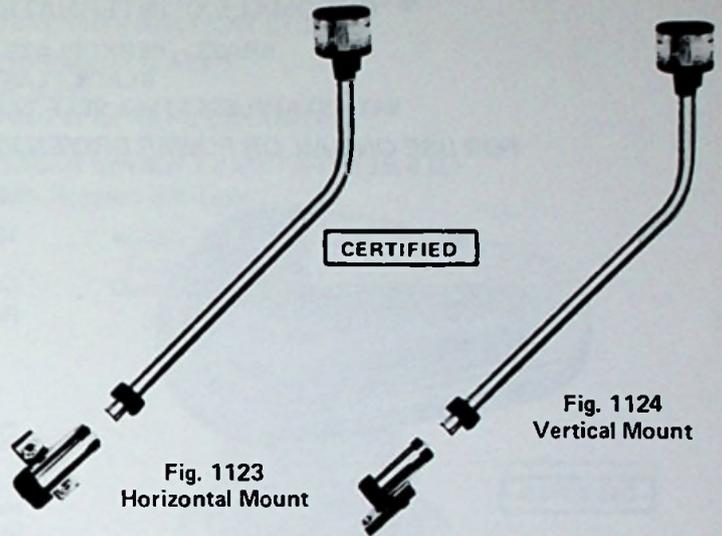


Fig. 1123
Horizontal Mount

Fig. 1124
Vertical Mount

★
FOLD DOWN ASSEMBLY—Fig. 1195

For Windshield Mounting —
19 Degree Stainless Steel Mounting Bracket

Each	Length Overall Inches	Vertical Height Inches	Mounting Bracket Inches	Diameter Tubing Inches	Weight Pounds
	20	17	1-11/16x3	3/4	7/8

Spare Mounting Bracket with Bolt and Nut, Specify Fig. 1157.

THIS ITEM AVAILABLE IN DISPLAY PACK, SEE SECTION L.

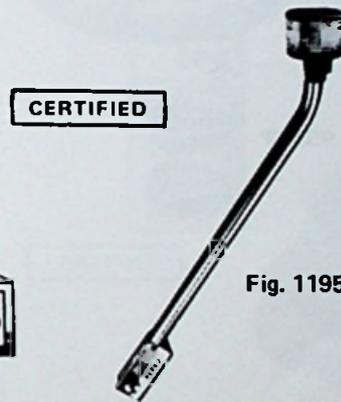


Fig. 1195

★
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 Knob, Washer and End Cap.
Spare Knob Only Specify Fig. 1144-A.

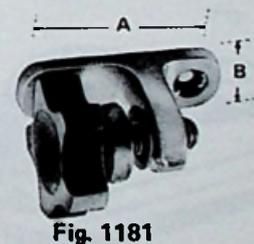


Fig. 1181



Fig. 1184



Fig. 1182

★
SPARE PARTS PAGES A-10 and A-11

Spare Lenses, Specify Fig. 278.
Glare Shield, See Fig. 1192.
Three Position Switches, See Fig. 366.
Spare Lamps (Bulbs), See Fig. 71.

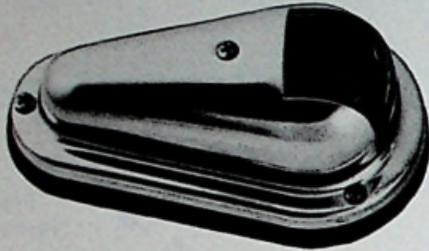
Spare Plastic Lens Cap with Screw, Specify Fig. 1158A
Spare Base For Fig. 1125, Specify 1125-99A.
Spare Mounting Bracket for Figs. 1123 and 1124, Specify Fig.
No. and 99A.

® "CHROMALEX" INTERNATIONAL NAVIGATION LIGHTS

BRASS – PERKOPLATE CHROMIUM PLATED
BLACK PLASTIC BASE

WITH STAINLESS STEEL SELF TAPPING SCREWS FOR MOUNTING

FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METERS (39.4 ft.)



CERTIFIED

Fig 955



Fig. 955-SP

CERTIFIED

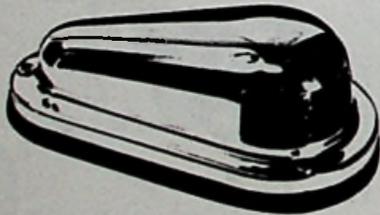


Fig. 915

CERTIFIED

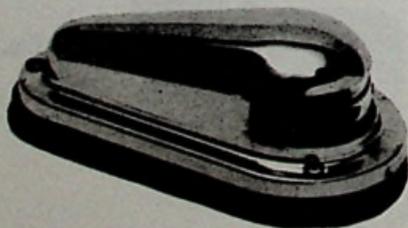


Fig. 903

SIDE LIGHTS—Fig. 955

10 Points — 112-1/2 Degrees — 1 Mile Visibility

Certified with Fig. 71, 12 Volt Bulb, Supplied with Lights
Red and Green 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. 260 R.

Spare Lenses, Green, Specify Fig. 260 G.

Spare Lamps (Bulbs) see Fig. 71.



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 Fig. 71, 12 Volt Bulb, Supplied with Light

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 RA.

Spare Lenses, Green, Specify Fig. 281 GA.

Spare Sockets, Specify Fig. 107.

Spare Lamps (Bulbs), See Fig. 71.



MASTHEAD LIGHT — Fig. 903

20 Points — 225 Degrees — White Lens

2 Mile Visibility

Certified with Fig. 71, 12 Volt Bulb, Supplied with Light

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

Spare Lenses, Specify Fig. 281 A White.

Spare Sockets, Specify Fig. 107.

Spare Lamps (bulbs), see Fig. 71.

® "CHROMALEX" INTERNATIONAL NAVIGATION LIGHTS

BRASS — PERKOPLATE CHROMIUM PLATED
BLACK PLASTIC BASE
WITH STAINLESS STEEL SELF TAPPING SCREWS FOR MOUNTING

FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 12 METERS (39.4 ft.)

Certified With Fig. 71, 12 Volt Bulb, Supplied with Light

Height Light Inches	Diameter Base Inches	Weight Each Ounces
1-5/8	2-3/8	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 RA.
Spare Lenses, Green, Specify Fig. 281 GA.
Spare Sockets, Specify Fig. 107.



CERTIFIED

Fig. 963

MASTHEAD LIGHT — Fig. 964

20 Points — 225 Degrees — White Lens
2 Mile Visibility.

Each

Spare Lenses, Specify Fig. 281A White.
Spare Sockets, Specify Fig. 107.

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 — White Lens
2 Mile Visibility

Each

Spare Lenses, Specify Fig. 281 A White.
Spare Sockets, Specify Fig. 107.

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

"NAUTIC" STREAMLINE SIDE LIGHTS — Fig. 1264

Die Cast Zinc Alloy — Polished Chromium Plated

10 Points — 112 1/2 Degrees — 1 Mile Visibility

Colored Lenses 1 Red and 1 Green

Certified With Fig. 71, 12 Volt Bulb, Supplied With Light

FOR USE ON POWER DRIVEN VESSELS UNDER 12 METERS (39.4 ft.)



Fig. 1264

CERTIFIED

Per Pair	Length Overall Inches	Height Overall Inches	Thickness Inches	Weight Per Pair Pounds
	5-1/2	3-1/8	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. 130.

Spare Lamps (Bulbs), see Fig. 71.

"NAUTIC" STREAMLINE MASTHEAD LIGHT — Fig. 1265

Die Cast Zinc Alloy — Polished Chromium Plated — Fresnel Lens.

20 Points — 225 Degrees — 2 Mile Visibility — White Lens

Certified With Fig. 71, 12 Volt Bulb, Supplied With Light

FOR USE ON POWER DRIVEN VESSELS UNDER 12 METERS (39.4 ft.)

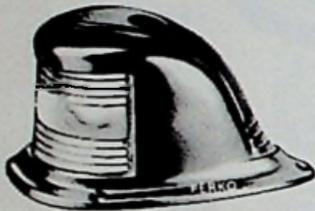


Fig. 1265

CERTIFIED

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. 1265-99A.

Spare Sockets, Specify Fig. 130.

Spare Lamps (Bulbs), see Fig. 71.

MASTHEAD LIGHT — Fig. 1178

Die Cast Zinc Alloy — Polished Chromium Plated —

20 Points — 225 Degrees — White Fresnel Lens

FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)

MEETS BOTH 2 MILE AND 3 MILE REQUIREMENTS

Certified with Fig. 71, 12 Volt Bulb, Supplied With Light

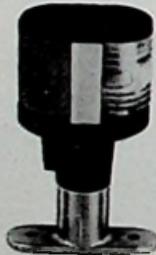


Fig. 1178

CERTIFIED

Each	Height Inches	Size Base Inches	Weight Ounces
	4-1/4	1x2-5/8	7

Spare Lens, Specify Fig. 278.

Spare Lamps (Bulbs), see Fig. 71.

©CHROMALEX MASTHEAD LIGHT — Fig. 1331

Die Cast Zinc Alloy — Polished Chromium Plated — Black Plastic Base —

20 Points — 225 Degrees — White Fresnel Lens

FOR USE ON SAIL OR POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)

MEETS BOTH 2 MILE AND 3 MILE REQUIREMENTS

Certified with Fig. 71, 12 Volt Bulb, Supplied With Light

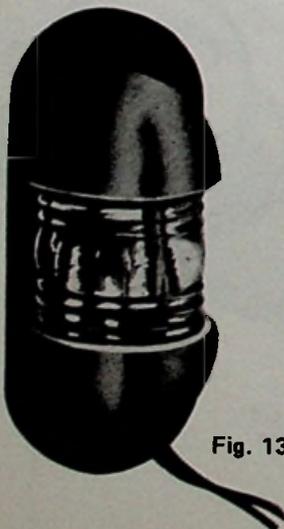


Fig. 1331

CERTIFIED

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 Lamps (Bulbs), see Fig. 71.

©CHROMALEX STERN LIGHT — Fig. 1332
 Die Cast Zinc Alloy — Polished Chromium Plated —
 Black Plastic Base — 12 Points — 135 Degrees —
 White Fresnel Lens — 2 Mile Visibility
 Certified with Fig. 71 Bulb, Supplied with Light.

**FOR USE ON SAIL OR POWER DRIVEN VESSELS
 UNDER 20 METERS (65.6 ft.)**

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 Lamps (Bulbs), see Fig. 71.



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 — White Lens
 2 Mile Visibility

**FOR USE ON SAIL OR POWER DRIVEN VESSELS
 UNDER 20 METERS (65.6 ft.)**

Certified with Fig. 71 Bulb, Supplied with Light.

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

Spare Lenses, Specify Fig. 74.
 Spare Sockets, Specify Fig. 130.
 Spare Lamps (Bulbs), see Fig. 71.



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 — White Lens — 2 Mile Visibility

**FOR USE ON SAIL OR POWER DRIVEN VESSELS
 UNDER 20 METERS (65.6 ft.)**

Supplied Complete with Bulb.

Certified for 12 Volt with Fig. 70 No. 0 Bulb.

Certified for 32 Volt with Fig. 70 No. 2 Bulb.

Fig. 939

Molded Black Plastic Mounting Flange permits easy installation
 by drilling a 2-1/8" hole.

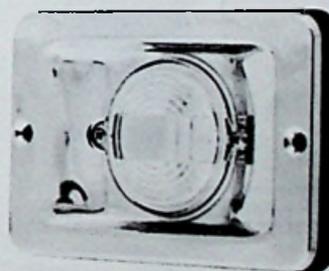


Fig. 939

CERTIFIED

No.	Each	Voltage	Dimensions Overall Inches	Depth Inches	Weight Ounces
1		12	5-3/16x3-3/8	1-1/2	6
2		32	5-3/16x3-3/8	1-1/2	6

Fig. 946

Supplied Complete with Black Plastic Mounting Flange and
 Stainless Screws for Mounting.

CERTIFIED

No.	Each	Voltage	Diameter Inches	Depth Inches	Weight Ounces
1		12	3	1-3/4	4
2		32	3	1-3/4	4

Fig. 946



SPARE PARTS

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

Socket Assembly For Fig. 946, Specify Fig. 946-99B.
 Mounting Flange For Fig. 939, Specify Fig. 939-99C.
 Mounting Flange For Fig. 946, Specify Fig. 946-99C.
 Lamps (Bulbs), See Fig 70 Nos. 0 and 2.

"ROYAL" INTERNATIONAL NAVIGATIONAL LIGHTS
SHEET METAL — GALVANIZED STEEL OR BRASS — FRESNEL LENSES
FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)



Fig. 91F

CERTIFIED

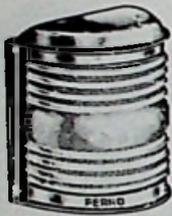


Fig. 98F

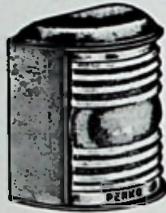


Fig. 99F

SIDE LIGHTS — Fig. 91F

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

Class	Galv. Per Pair	Polished Brass Per Pair	Height Light 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-RF. Green Specify Fig. 91-GF.

MASTHEAD LIGHT — Fig. 98F

20 Points — 225 Degrees — White Lens

STERN LIGHT — Fig. 99F

12 Points — 135 Degrees — White Lens

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

BULB DATA FOR Figs. 91F, 98F & 99F

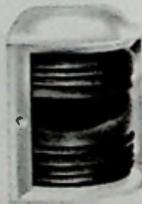
For vessels under 12 meters (39.4 ft.)			For vessels 12 to 20 meters			
Fig.	Visibility Miles	12 V Bulb	Fig.	Visibility Miles	12 V Bulb	32 V Bulb
91F-C/2	1	70 No. 0	91F-C/3	2	70 No. 1	70 No. 2
98F-C/2	2	70 No. 0	98F-C/3	3	70 No. 1	70 No. 2
99F-C/2	2	70 No. 0	99F-C/3	2	70 No. 1	70 No. 2

"CORONET" INTERNATIONAL NAVIGATION LIGHTS

DIE CAST ZINC ALLOY — SATIN CHROMIUM PLATED — FRESNEL LENSES — BULBS NOT INCLUDED
FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)



Fig. 109



CERTIFIED



Fig. 110

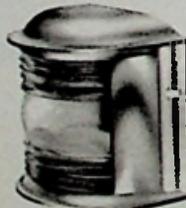


Fig. 111

SIDE LIGHTS — Fig. 109

10 Points — 112-1/2 Degrees

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	4

Half Pair, Red, Specify Fig. 91-RF. Green Specify Fig. 91-GF.

MASTHEAD LIGHT — Fig. 110

20 Points — 225 Degrees — White Lens

STERN LIGHT — Fig. 111

12 Points — 135 Degrees — White Lens

TOWING LIGHT — Fig. 111M

12 Points — 135 Degrees — Yellow Lens

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

BULB DATA FOR Figs. 109, 110 & 111M.

For vessels under 12 meters (39.4 ft.)			For vessels 12 to 20 meters		
Fig.	Visibility Miles	12 V Bulb	Visibility Miles	12 V Bulb	32 V Bulb
109	1	70 No. 0	2	70 No. 1	70 No. 2
110	2	70 No. 0	3	70 No. 1	70 No. 2
111	2	70 No. 0	2	70 No. 1	70 No. 2
111M	2	70 No. 0	2	70 No. 1	70 No. 2

SPARE PARTS

Lenses For Figs. 91F and 109, See Fig. 259.
 Lenses For Figs. 98F and 110, See Fig. 256.
 Lenses For Figs. 99F, 111 and 111M, See Fig. 269.
 Electric Adapters For Figs. 91F, 98F [99F, See Fig. 138F, Specify Class.
 Mounting Bracket For Figs. 91F, 98F [99F, Specify Fig. 92 and Finish.

ELECTRIC NAVIGATION LIGHTS
SHEET METAL — GALVANIZED STEEL OR BRASS — FRESNEL LENSES
FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)
BRASS SPRING TYPE ELECTRIC ADAPTERS — BULBS NOT INCLUDED

SIDE LIGHTS — Fig. 4F

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

Class	Galvanized Per Pair	Polished Brass Per Pair	Height Light 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

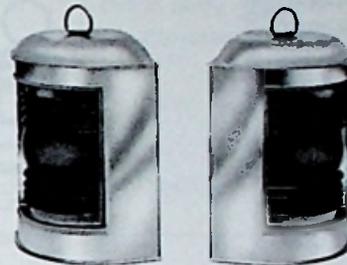


Fig. 4F

CERTIFIED



MASTHEAD LIGHT — Fig. 5F

20 Points — 225 Degrees — White Or Yellow Fresnel Lens*

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

* Yellow — Available in Class 3 Only, Specify Fig. 5MF.



Fig. 5F

CERTIFIED



STERN LIGHT — Fig. 7F

12 Points — 135 Degrees — White Or Yellow Fresnel Lens*

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

* Yellow — Available in Class 3 Only, Specify Fig. 7MF.



Fig. 7F

BULB DATA FOR Figs. 4F, 5F & 7F

For vessels under 12 meters (39.4 ft.)

Fig.	Visibility Miles	12 V Bulb
4F-C/2	1	70 No. 0
5F-C/2	2	70 No. 0
7F-C/2	2	70 No. 0

For vessels 12 to 20 meters

Fig.	Visibility Miles	12 V Bulb	32 V Bulb
4F-C/3	2	70 No. 1	70 No. 2
5F-C/3	3	70 No. 1	70 No. 2
5MF-C/3	2	70 No. 1	70 No. 2
7F-C/3	2	70 No. 1	70 No. 2
7MF-C/3	2	70 No. 1	70 No. 2

SPARE PARTS

Lenses For Fig. 4F, See Fig. 259.
 Lenses For Fig. 5F, See Fig. 256.
 Lenses For Fig. 7F, See Fig. 269.

Electric Adapter For Figs. 4F, 5F & 7F, See Fig. 290F, Specify Class.
 Lamps (Bulbs), See Fig. 70.
 Side Light Brackets, See Fig. 131.



Fig. 17 Class 2
Fig. 19 Class 3

**CERTIFIED
ELECTRIC ONLY**



Fig. 18 Class 2
Fig. 20 Class 3



Fig. 97 Class 2
Fig. 102 Class 3



Fig. 0-2 JUNIOR



Fig. 0-6 SENIOR

**CERTIFIED
ELECTRIC ONLY**

SPARE PARTS

Lenses For Figs. 17 and 19, See Fig. 259.
Lenses For Figs. 18 and 20, See Fig. 256.
Lenses For Figs. 97 and 102, See Fig. 269.
Lenses For Fig. 0-2, Oil, See Fig. 261.
Lenses For Fig. 0-2 and 06, Electric, See Fig. 261F.
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 Fig. 0-6, See Figs. 291, 292.
Electric Adaptors For Fig. 0-2, See Fig. 293.
Electric Adaptors For Figs 17, 18 & 97, Specify Fig. 290F02.
Electric Adaptors For Figs. 19, 20 & 102, Specify Fig. 290F03.
Burners and Wicks For All Above, See Figs. 246, 302.
Lamps (Bulbs) For Figs. 0-2 & 0-6, See Fig. 337 No. 12,
Also Fig. 340 Nos. 5 & 6.
Lamps (Bulbs) For Figs. 17, 18, 19, 20, 97 & 102,
See Fig. 70 Nos. 1 & 2.
D.C. Sockets Only, See Fig. 276.
Side Light Brackets, See Fig. 131.

SIDE LIGHTS—Figs. 17 and 19

10 Points — 112-1/2 Degrees — Red and Green Fresnel Lenses
Oil or Electric — Certified for Electric Only — Bulbs Not Included
FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)

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

NOTE

For Oil Use, Specify Fig. 17 or 19.
For Electric Use, Specify Fig. 17F or 19F.
Half Pairs, Red, add "R," Green, add "G," to Fig. No. Specified.



MASTHEAD LIGHTS—Figs. 18 and 20

20 Points — 225 Degrees — White Fresnel Lens
Oil or Electric — Certified for Electric Only — Bulbs Not Included
FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)

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

NOTE

For Oil Use, Specify Fig. 18 or 20.
For Electric Use, Specify Fig. 18F or 20F.



STERN LIGHTS—Figs. 97 and 102

12 Points — 135 Degrees — White Fresnel Lens
Oil or Electric — Certified for Electric Only — Bulbs Not Included
FOR USE ON POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)

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

NOTE

For Oil Use, Specify Fig. 97 or 102.
For Electric Use, Specify Fig. 97F or 102F.

BULB DATA FOR ABOVE LIGHTS

For vessels under 12 meters (39.4 ft.)			For vessels 12 to 20 meters			
Fig.	Visibility Miles	12 V Bulb	Fig.	Visibility Miles	12 V Bulb	32 V Bulb
17F	1	70 No. 0	19F	2	70 No. 1	70 No. 2
18F	2	70 No. 0	20F	3	70 No. 1	70 No. 2
97F	2	70 No. 0	102F	2	70 No. 1	70 No. 2



ALL-ROUND LIGHTS — Figs. 02 and 06

32 Points — 360 Degrees — White Fresnel Lens— Oil or Electric — 2 Mile Visibility — Electric Only — Bulbs Not Included
ELECTRIC LIGHTS FOR SAIL OR POWER DRIVEN VESSELS UNDER 20 METERS (65.6 ft.)

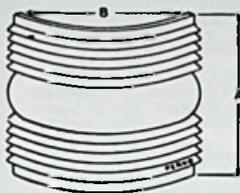
Fig.	Galvanized Each	Polished Brass Each	Height Inches	Height Lens Inches	Weight Pounds
0-2			8-5/8	3-5/16	2
0-6			11-3/4	4-1/4	3

NOTE

FOR OIL USE, Specify Fig. 0-2 or 0-6.
FOR ELECTRIC D.C., Specify Fig. 0-2A or 0-6A.
FOR ELECTRIC MEDIUM SCREW, Specify Fig. 0-6B.
D.C. Electric Certified with No. 1004, 12 Volt 15 C.P. Bulb.
Medium Screw Electric Certified with 15 Watt A-17 Bulb.
* Electric Lights are Supplied with Frosted Lenses.

SPARE PARTS FOR SECTION A

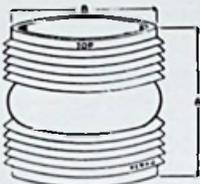
112½° LENSES



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

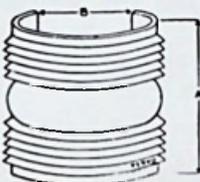
360° LENSES



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

Clear — Fig. 261
Frosted — Fig. 261-F

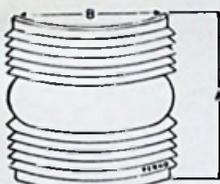
225° LENSES



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

White — 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

White — Fig. 269
Yellow — Fig. 269-M (Class 3 only)

FRESNEL GLOBES

Clear or Frosted — Plastic
Complete with Gasket



Clear — Fig. 248
Frosted — Fig. 248F

Each	Height Inches	Diameter Thread Inches
	2½	2

Standard Package, 5 Pieces.

SKIN PACK — Fig. 248-SP

Clear — Plastic



Complete with Gasket
One Globe Per Card
Ten Cards Per Box
Weight Per Box, 1½ Pounds
Sold To Trade In Full Box Only

FRESNEL GLOBES

Plastic
Complete with Gasket



Fig. 106

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

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

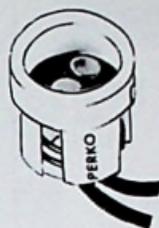


Fig. 24

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

BAYONET

Double Contact Socket
Brass Case — Bronze Spring



Fig. 52

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

Standard package 10 pieces.

BAYONET

Double Contact Socket
Brass Case — Hard Rubber Insulation



Fig. 747

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

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

BAYONET

Double Contact Sockets

Brass Case — Tapped 1/8 Inch I.P.S.



Fig. 276

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

Standard Package, 5 Pieces.

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
3		1/2	1-3/4	1-1/2

Standard package 5 pieces.
* No. 1 has 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.



Fig. 287

OIL FOUNT
Brass - Swivel Type

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

Used in Fig. 0-2.



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 Fig. 0-6.



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 Fig. 0-6.



Fig. 290F

ELECTRIC ADAPTER
Festoon Type
Brass - Swivel Type

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

Used in the Following Lights:

No. 2 - 4F-C/2, 5F-C/2, 7F-C/2, 17, 18, & 9

No. 3 - 4F-C/3, 5F-C/3, 7F-C/3, 19, 20 & 10

Be Sure to Specify Size.

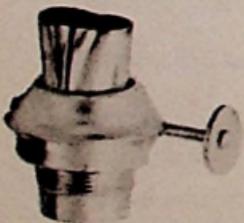


Fig. 246

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.



Fig. 138F

ELECTRIC ADAPTER
Festoon Type
Brass - Spring Type

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

Used in the Following Lights:

No. 2 - 91 C/2, 98 C/2 & 99 C/2.

No. 3 - 91 C/3, 98 C/3 & 99 C/3.

Be Sure to Specify Size.



Fig. 302

FLAT OIL WICKS
Cotton

No. 00	Each	Width Inches
		3/8

Standard Package, 20 Pieces.



Fig. 131

MOUNTING BRACKETS
For Lights
Galvanized or Brass

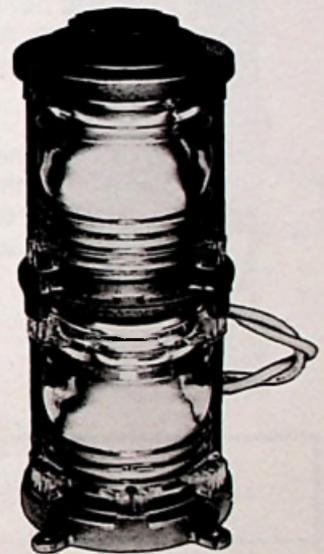
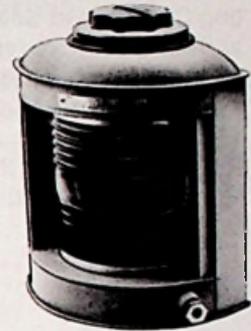
Galv. Each	Brass Each	Width Inches	Height Inches
		1-1/2	4-3/4

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

SECTION B

PERKO[®]

**navigation lights
for vessels over
20 meters (65.6 ft.)
to meet
U.S. Coast Guard
Regulations
and
International Regulations
(72 COLREGS — IMO)**



MANUFACTURED BY PERKO, INC. 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164
FOR COMPLETE LINE SEE CATALOG NO. 240-R

72 COLREGS

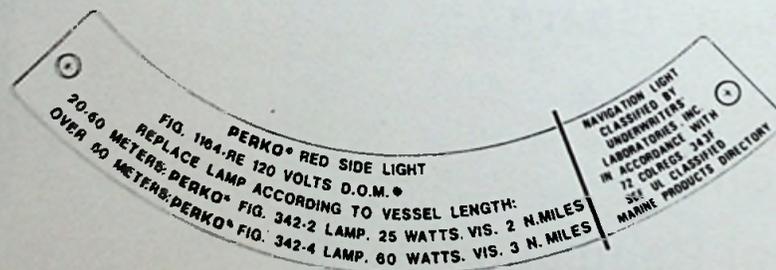
On March 31, 1977, the U.S. Coast Guard published in the Federal Register, an amendment to the navigation and navigable waters regulations, which added a new subchapter DD, (33CFR 87). This subchapter contains rules implementing and interpreting the International Regulations for Preventing Collisions 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 1 to the 72 COLREGS, gives positioning and technical details for these lights.

FINAL ACCEPTANCE LIGHTS

All vessels over 20 meters (65.6 ft.) are subject to the 72 COLREGS. The U.S. Coast Guard is accepting lights that have passed the U.L. tests (U.L. Standard 1104) as meeting the 72 COLREGS, as the first and only domestic manufacturer to pass U.L. 1104, Perko's "Final Acceptance" lights can be installed on any vessel over 20 meters (65.6).

A brass is permanently affixed to the light indicating the type light, figure no. voltage and type lamp to install to meet the visibility requirements. It also states that the light is classified by U.L. in accordance with the 72 COLREGS. This is the only documentation needed by a vessel for navigation lights to certify light construction compliance with the 72 COLREGS, and eliminates the former "Certificate of Compliance."



*Each light has its own serial no. for identification

The lights shown on pages B-3 to B-7 are "Final Acceptance" lights and have passed U.L. 1104. The facsimile of the tag shown above is used on our cast bronze lights. Similar rectangular tags are used on other style lights.

SPECIAL PURPOSE LIGHTS

The lights shown on Pages B-8 through B-10 are offered for use where the vessel is subject to special local requirements.

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 (65.6)

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

Each section contains a Pre-Wired Medium Prefocus Lamp Socket with 3 Feet of 16/3-SO Cable and a watertight terminal tube. Watertight access cap for rebulbing and cleaning. Bulbs Not Included.

DOUBLE LENS TYPE

SINGLE LENS TYPE

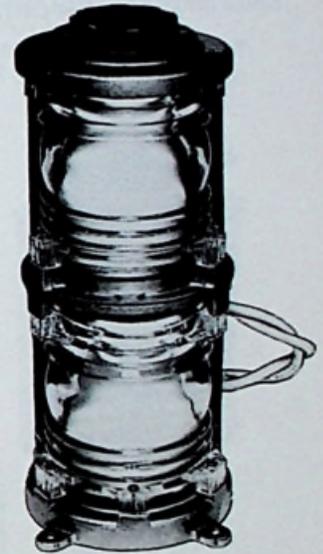


Single
Double Lens

Height
Overall
Inches
9-1/4
17-1/4

Height
Lens
Inches
6-3/4
6-3/4

Weight
Pounds
10
18-1/4



IMPORTANT BULB DATA

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

				For Vessels 20 Meters to 50 Meters (65.6 ft. to 164.0 ft.)		For Vessels Over 50 Meters (164.0 ft.)	
Single Lens	Double Lens		Visibility Arc	Visibility Miles	Required Wattage*	Visibility Miles	Required Wattage*
Fig. No.	Fig. No.	Description					
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

*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

Bronze Top Cap with O-Ring, Fig. 1141
O-Ring only for Bronze Top Cap, Fig. 1159
Plastic Top Cap with O-Ring, Fig. 1105
O-Ring only for Plastic Top Cap, Fig. 1119
Lens Gasket, Fig. 1143
Lenses, See Fig. 261, No. 1
Lens Retaining Clip with Bolt, Fig. 1133
Medium Prefocus Sockets Only, See Fig. 347
Dual Medium Prefocus Socket Assembly for Double Lens Lights, Specify Fig. 303.

72 COLREGS

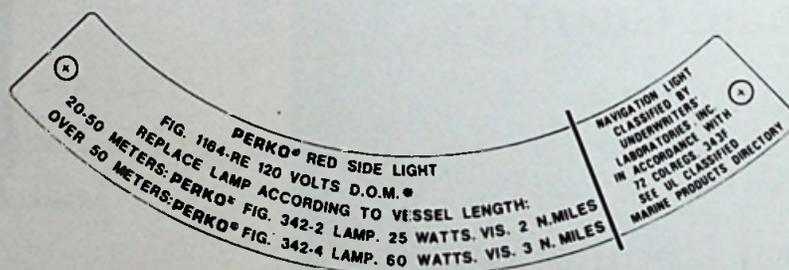
On March 31, 1977, the U.S. Coast Guard published in the Federal Register, an amendment to the navigation and navigable waters regulations, which added a new subchapter DD, (33CFR 87). This subchapter contains rules implementing and interpreting the International Regulations for Preventing Collisions 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 1 to the 72 COLREGS, gives positioning and technical details for these lights.

FINAL ACCEPTANCE LIGHTS

All vessels over 20 meters (65.6 ft.) are subject to the 72 COLREGS. The U.S. Coast Guard is accepting lights that have passed the U.L. tests (U.L. Standard 1104) as meeting the 72 COLREGS, as the first and only domestic manufacturer to pass U.L. 1104, Perko's "Final Acceptance" lights can be installed on any vessel over 20 meters (65.6).

A brass is permanently affixed to the light indicating the type light, figure no. voltage and type lamp to install to meet the visibility requirements. It also states that the light is classified by U.L. in accordance with the 72 COLREGS. This is the only documentation needed by a vessel for navigation lights to certify light construction compliance with the 72 COLREGS, and eliminates the former "Certificate of Compliance."



*Each light has its own serial no. for identification

The lights shown on pages B-3 to B-7 are "Final Acceptance" lights and have passed U.L. 1104. The facsimile of the tag shown above is used on our cast bronze lights. Similar rectangular tags are used on other style lights.

SPECIAL PURPOSE LIGHTS

The lights shown on Pages B-8 through B-10 are offered for use where the vessel is subject to special local requirements.

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 (65.6)

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

Each section contains a Pre-Wired Medium Prefocus Lamp Socket with 3 Feet of 16/3-SO Cable and a watertight terminal tube. Watertight access cap for rebulbing and cleaning. Bulbs Not Included.

DOUBLE LENS TYPE

SINGLE LENS TYPE

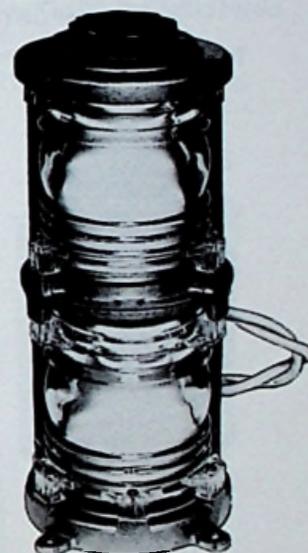


Single
Double Lens

Height
Overall
Inches
9-1/4
17-1/4

Height
Lens
Inches
6-3/4
6-3/4

Weight
Pounds
10
18-1/4



IMPORTANT BULB DATA

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

Single Lens	Double Lens	Description	Visibility Arc	For Vessels 20 Meters to 50 Meters (65.6 ft. to 164.0 ft.)		For Vessels Over 50 Meters (164.0 ft.)	
				Visibility Miles	Required Wattage*	Visibility Miles	Required Wattage*
Fig. No.	Fig. No.						
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

*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

Bronze Top Cap with O-Ring, Fig. 1141
 O-Ring only for Bronze Top Cap, Fig. 1159
 Plastic Top Cap with O-Ring, Fig. 1105
 O-Ring only for Plastic Top Cap, Fig. 1119
 Lens Gasket, Fig. 1143
 Lenses, See Fig. 261, No. 1
 Lens Retaining Clip with Bolt, Fig. 1133
 Medium Prefocus Sockets Only, See Fig. 347
 Dual Medium Prefocus Socket Assembly for Double Lens Lights, Specify Fig. 303.

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 (65.6)

ELECTRIC NAVIGATION LIGHTS

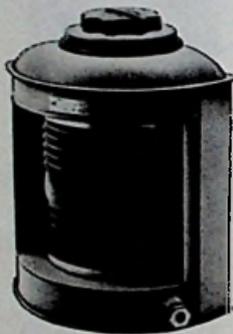
Brass or Galvanized Steel Body — Rebulbing Cap — Medium Prefocus Lamp Socket — Terminal Tube for Cable Entrance — Bulbs Not Included

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	11-1/2	8
2				7-1/2	13-1/2	12

IMPORTANT BULB DATA

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

For Vessels 20 Meters to 50 Meters (65.6 ft. to 164.0 ft.)



Red & Green Side Lights
112½ Degrees



Masthead Lights
225 Degrees



Stern or Towing Lights
135 Degrees



All-Round Lights
360 Degrees

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage**
1150-RE1	Red Side Light	112½°	2	25
1150-GE1	Green Side Light	112½°	2	25
1151-E01	White Masthead Light	225°	5	40
1152-E01	White Stern Light	135°	2	7.5
1152-ME1	Yellow Towing Light	135°	2	7.5
1153-E01	White All-Round Light	360°	2	15
1154-RE1	Red All-Round Light	360°	2	60
1154-GE1	Green All-Round Light	360°	2	40
1154-ME1	Yellow All-Round Light	360°	2	25

For Vessels Over 50 Meters (164.0 ft.)

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage**
1150-RE2	Red Side Light	112½°	3	60
1150-GE2	Green Side Light	112½°	3	60
1151-E02	White Masthead Light	225°	6	60
1152-E02	White Stern Light	135°	3	25
1152-ME2	Yellow Towing Light	135°	3	25
1153-E02	White All-Round Light	360°	3	40
1154-RE2	Red All-Round Light	360°	3	125
1154-GE2	Green All-Round Light	360°	3	60
1154-ME2	Yellow All-Round Light	360°	3	40

**BULB DATA FOR ABOVE LIGHTS

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

Fig. No.	Wattage
342-0	7.5
342-1	15 -
342-2	25
343-3	40
342-4	60
*342-6	125

*Fig. 342-6 Same as Above except 2-3/16" L.C.L. and C-13D Filament.

*GALVANIZED STEEL LIGHTS ARE PREPRIMED

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, For Figs. 1153-1154, See Fig. 261F, Nos. 1 or 2

Bronze Caps with O-Ring, Fig. 1160
 O-Ring only for Bronze Cap, Fig. 1193
 Plastic Cap with O-ring, Fig. 1105
 O-Ring only for Plastic Cap, Fig. 1119
 Medium Prefocus Socket with Cap, Fig. 347-A
 Socket Supports, See Fig. 341
 Mounting Brackets, Specify Fig. 143

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 (65.6)

ALL-ROUND LIGHTS CAST BRONZE – MEDIUM PREFOCUS LAMP SOCKET BULBS NOT INCLUDED

ALL-ROUND LIGHTS — Figs. 403, 412 & 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
(65.6 ft. to 164.0 ft.)

Fig. No.	Description	Visibility Miles	Required Wattage*
403-EO2	White All-Round Light	2	25
403-RE2	Red All-Round Light	2	40
403-GE2	Green All-Round Light	2	40
403-ME2	Yellow All-Round Light	2	25
412-E	White All-Round Light	2	15
412-RE	Red All-Round Light	2	25
412-GE	Green All-Round Light	2	25
412-ME	Yellow All-Round Light	2	15

For Vessels Over 50 Meters
(164.0 ft.)

Fig. No.	Description	Visibility Miles	Required Wattage*
403-EO3	White All-Round Light	3	25
403-RE3	Red All-Round Light	3	60
403-GE3	Green All-Round Light	3	40
403-ME3	Yellow All-Round Light	3	25
412-E	White All-Round Light	3	25
412-RE	Red All-Round Light	3	60
412-GE	Green All-Round Light	3	40
412-ME	Yellow All-Round Light	3	25

IMPORTANT BULB DATA

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



Fig. 403-2



Fig. 403-3

Fig. 454



Fig. 412

FIG. 454-E White Whistle Light —
Visibility 5 miles with Fig. 342 No. 4 Bulb.

SPARE PARTS

Lens for Fig. 403-2, See Fig. 261-F Senior, Specify Color.
Lenses for Figs. 403-3, 412, 454, See Fig. 261 No. 1.
Medium Prefocus Socket for Fig. 403-2, See Fig. 347-A.
Medium Prefocus Sockets for Figs. 403-3, 412, 454, See Fig. 347.
Gasket for Lens or Cover for Fig. 403 No. 2, Specify Fig. 1140 Size 1.
Gasket for Lens or Cover for Figs. 403 No. 3, 412, 454, Specify Fig. 1143.

*BULB DATA FOR ABOVE LIGHTS

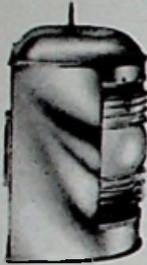
The Above Lights must use Special Perko Bulb Type T-10, Medium Prefocus Base, 2-3/8" L.C.L., C-8 filament, Clear, 120 Volts, as follows:

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

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 20 METERS (65.6) to 50 METERS (164.0 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**



**Stern
or
Towing Lights
135 Degrees**



**Red & Green
Side Lights
112½ Degrees**

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	.55A
5-D03	White Masthead Light	225°	5	2.03A
7-D03	White Stern Light	135°	2	.25A
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

NOTE: WHEN ORDERING, SPECIFY FINISH. GALVANIZED*, POLISHED BRASS OR CHROMIUM PLATED
*GALVANIZED STEEL LIGHTS ARE PREPRIMED



**Masthead Lights
225 Degrees**

****BULB DATA FOR ALL LIGHTS ON THIS PAGE.**

All Lights on This Page Must Use Bulb Type S-8, Single Contact Prefocus, C-8 Filament, Clear, 12 Volts, to Comply with U.L. Standard No. 1104.

Fig. No.	Amperage	Mfg. No.
373-1	.25	25A/S8
373-2	.55	55A/S8
373-3	.77	77A/S8
373-4	1.15	1.15A/S8
373-5	2.03	2.03A/S8SCP

**ALL-ROUND LIGHTS — FOR VESSELS 20 TO 50 METERS (65.6 ft. to 164.0 ft.)
CAST BRONZE — PLAIN OR CHROMIUM PLATED —
ELECTRIC SOCKET IS SINGLE CONTACT PREFOCUS
FOR 12 VOLT USE ONLY — BULBS NOT INCLUDED**



Fig. 112D

**All-Round
Lights
360 Degrees**



Fig. 309D

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** Bulb Amperage
112D & 309D	White All-Round Light	2	.55A
112MD & 309MD	Yellow All-Round Light	2	.55A
112RD & 309RD	Red All-Round Light	2	1.15A
112GD & 309GD	Green All-Round Light	2	1.15A

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.

Single Contact Prefocus Adapter For Figs. 4, 5 & 7,
Specify Fig. 294 No.3.
Single Contact Socket Assembly For Figs. 112D &
309D, Specify Fig. No. 103.
Mounting Brackets For Figs. 4, 5 & 7, Specify Fig. 131
and Finish.

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 20 METERS (65.6) to 50 METERS (164.0 ft.)

NEW

ELECTRIC NAVIGATION LIGHTS

CAST BRONZE BASE — PRE-WIRED DOUBLE CONTACT SOCKET WITH 3 FEET OF 16/3 SJO CABLE FOR 12, 24, 32 or 120 VOLTS — BULBS NOT INCLUDED

Fig. No.	Description	Height	Height	Weight	
		Overall	Lens		
		Inches	Inches	Pounds	
		7-1/2	4-1/2	3-1/2	
		Visibility	Visibility		
		Arc	Miles		
1127-RA	Red Side Light	112-1/2°	2		
1127-GA	Green Side Light	112-1/2°	2		
1128-A	White Masthead Light	225°	5		
*1129-A	White Stern Light	135°	2		
1129-MA	Yellow Towing Light	135°	2		
*1130-A	White All-Round Light	360°	2		
**1130-HA	White All-Round Light	360°	5		
1130-RA	Red All-Round Light	360°	2		
1130-GA	Green All-Round Light	360°	2		
1130-MA	Yellow All-Round Light	360°	2		



Red & Green Side Lights
112½ Degrees



Stern or Towing Lights
135 Degrees



All-Round Lights
360 Degrees



Masthead Lights
225 Degrees

*Note: These Lights are Supplied with a Gray Tinted Lens.

**For Great Lakes use.

BULB DATA FOR ABOVE LIGHTS

The above lights must use Bulb Type T-8, Double Contact Base, 1-3/8 L.C.L., C-8 Filament Clear, as follows:

Fig. No.	Voltage	Candela
374-1	12	24
374-2	24	24
374-3	32	24
374-4	120	24

SPARE PARTS

Lenses with Top Assembly & Gasket
For Figs. 1127RA and 1130RA, Specify Fig. 249R
Lenses with Top Assembly & Gasket
For Figs. 1127GA and 1130 GA, Specify Fig. 249G
Lenses with Top Assembly & Gasket
For Figs. 1128A and 1130 HA, Specify Fig. 249
Lenses with Top Assembly & Gasket
For Figs. 1129A and 1130A Specify Fig. 249W

Lenses, with Top Assembly & Gasket
For Figs. 1129MA and 1130MA, Specifying Fig. 249M

Spare Double Contact Socket
Assembly, Specify Fig. 134

Plastic Top Cap with O-Ring, Specify Fig. 1105
O-Ring only for Plastic Top Cap, Specify Fig. 1119

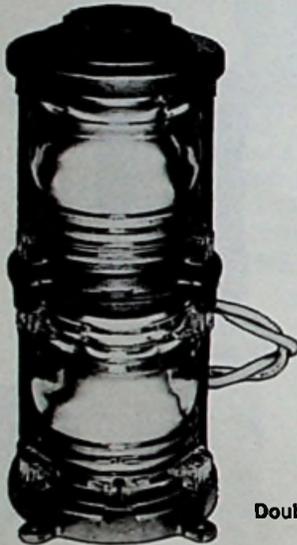
SPECIAL PURPOSE LIGHTS

THE LIGHTS SHOWN BELOW ARE OFFERED FOR USE WHERE THE VESSEL IS SUBJECT TO SPECIAL LOCAL REQUIREMENTS.

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

Each section contains a prewired medium prefocus lamp socket with 3 feet of 16/3-S.O. Cable and watertight terminal tube. Watertight access cap for rebulbing and cleaning. Bulbs Not Included.

DOUBLE LENS TYPE



	Height Overall Inches	Height Lens Inches	Weight Pounds
Double Lens	17-1/4	6-3/4	18-1/4
Single Lens	9-1/4	6-3/4	10

SINGLE LENS TYPE



BULB DATA

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

Fig. No.		Wattage
342-1	Medium Prefocus	15
342-2	Medium Prefocus	25
342-3	Medium Prefocus	40

Double Lens Type with Medium Prefocus Sockets

Fig. No.	Description	Visibility Arc	Visibility Miles	Required 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
1166-RE	Red Stern Light	135°	2	25
1167-HE	White All-Round Light	360°	6	60
1168-REL	White/Red All-Round Light	360°	3/2	25/25

Single Lens Type with Medium Prefocus Socket

1169-HE	White All-Round Light	360°	6	60
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



Fig. 1129 BA

NEW FIG. 1129BA
PANAMA CANAL STEERING LIGHT
Cast Bronze Base — Pre-Wired Double Contact
Socket with 3 Feet of 16/3 SJO Cable
For 12, 24, 32 or 120 Volts — Bulb Not Included

Height Overall Inches	Height Lens Inches	Weight Pound
7-1/2	4-1/2	3-1/2

Fig. 1129BA — Blue Steering Light — 135°

SPARE PARTS

Bronze Top Cap with O-Ring, Fig. 1141
O-Ring only for Bronze Top Cap, Fig. 1159
Plastic Top Cap with O-Ring, Fig. 1105
O-Ring only for Plastic Top Cap, Fig. 1119
Lens Gasket, Fig. 1143
Lenses, See Fig. 261, No. 1
Lens Retaining Clip with Bolt, Fig. 1133
Medium Prefocus Sockets only, See Fig. 347

Medium Prefocus Socket Assembly For
Double Lens Lights Specify, Fig. 303
Lens with Top Assembly and Gasket
For Fig. 1129 BA, Specify Fig. 249B
Spare Double Contact Socket for
Fig. 1129 BA, Specify Fig. 134
Bulbs for Fig. 1129 BA, Specify Fig. 374 and Size

SPECIAL PURPOSE LIGHTS

THE LIGHTS SHOWN BELOW ARE OFFERED FOR USE WHERE THE VESSEL IS SUBJECT TO SPECIAL LOCAL REQUIREMENTS.

ELECTRIC NAVIGATION LIGHTS FOR VESSELS OVER 65 FT. LONG

Waterproof — Cast Bronze Rebulbing Cap — Terminal Tubes
MEDIUM PREFOCUS LAMP SOCKETS — 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.)

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage
1151-RE1	Red Masthead Light	225°	2	25
1151-ME1	Yellow Masthead Light	225°	2	15
1152-RE1	Red Stern Light	135°	2	25

Recommended For Vessels Over 50 Meters (164.1 ft.)

Fig. No.	Description	Visibility Arc	Visibility Miles	Required Wattage
1151-RE2	Red Masthead Light	225°	2	25
1151-ME2	Yellow Masthead Light	225°	2	15
1152-RE2	Red Stern Light	135°	2	25



Fig. 1151



Fig. 1152

SPARE PARTS

135° Lenses, See Fig. 269, Nos. 1 or 2
225° Lenses, See Fig. 256, Nos. 1 or 2
Bronze Caps with "O" Ring Specify Fig. 1160
Spare "O" Ring Specify Fig. 1193

Medium Prefocus Sockets, See Fig. 347-A
Socket Supports, See Fig. 341
Mounting Brackets, Specify Fig. 143
For Bulbs See Fig. 342 - Specify Size

FLASHING YELLOW LIGHT GALVANIZED STEEL BODY, TOP OPENING, MEDIUM PREFOCUS SOCKET, SEALED FLASHER UNIT

Each	Height Lens Inches	Height Light Inches	Weight Pounds
	6 3/4	11 1/2	8

Designed to meet Federal Requirements for a flashing yellow 180°-225° light for barges, canal boats, etc., that are being pushed ahead or towed along side of a tug boat. For use on 110 volts A.C.-2 mile visibility. The Federal Requirements for this light are applicable for inland waters, the Atlantic and Pacific Coasts, Gulf Coast, Gulf Intracoastal Waterways and Western Rivers.



Fig. 1111ME

SPARE PARTS

Spare Lens, See Fig. 261 M No. 1
Spare Flasher Specify Fig. 133

Spare Socket, See Fig. 347-A
Bulb See Fig. 342 No. 1

VAPOR-PROOF FIXTURES

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

CAPACITY UP TO 100 WATTS

Fixtures have four 1/2 inch I.P.S. tappings.

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 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



Fig. 1090



Listed by Underwriters Laboratories



Fig. 1087

SPECIAL PURPOSE LIGHTS

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

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



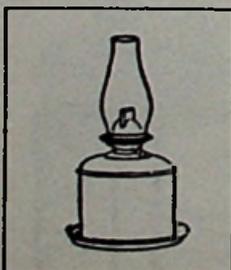
Masthead Lights
225 Degrees



Stern or Towing Lights
135 Degrees



All-Round Lights
360 Degrees



Oil Lamp in Base of Light

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°

*GALVANIZED STEEL LIGHTS ARE PREPRIMED

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
- Chimneys — See Fig. 267
- Burners — See Fig. 242
- Wicks — See Fig. 302 No. 2
- Oil Founts — See Fig. 282
- Mounting Brackets, See Fig. 143

SPARE PARTS FOR SECTION B



112 1/2° LENSES

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

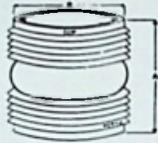
Red — Fig. 259-R
Green — Fig. 259-G



OIL FOUNTS Brass

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

Fig. 282



360° LENSES

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

CLEAR **FROSTED**
White — Fig. 261 White — Fig. 261-F
Red — Fig. 261-R Red — Fig. 261-RF
Green — Fig. 261-G Green — Fig. 261-GF
Yellow — Fig. 261-M Yellow — Fig. 261-MF

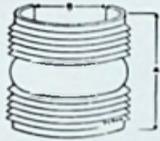
Fig. 242



HINGED OIL BURNERS Brass

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

Standard Package - 5 Pieces



225° LENSES

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

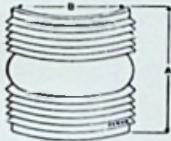
White — Fig. 256
Red — Fig. 256-R
Yellow — Fig. 256-M

Fig. 302



FLAT WICKS Cotton — 7/8" Wide

No.	Each	Standard Package
2		10



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

Fig. 267



LIP CHIMNEYS Glass

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

Standard Package - 5 Pieces



MEDIUM PREFOCUS SOCKETS Phenolic — 250 Volts — 1000 Watts

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

Standard Package - 5 Pieces

Figs. 347 & 347-A*

*Fig. 347-A supplied with metal Mounting Cap Tapped for 3/8" I.P.S.



Fig. 303

Medium Prefocus Socket Assembly
Plug in Type - Prewired - with two medium prefocus sockets. For use in double lens lights Fig. 1164 series.



Fig. 342

MEDIUM PREFOCUS BULBS Clear — 120 Volts

Fig. No. 342	Wattage
0	7.5
1	15
2	25
3	40
4	60
6	125

SINGLE CONTACT PREFOCUS BULBS C-8 FILAMENT Clear — 12 Volt

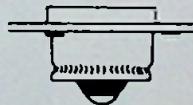


Fig. 373

Fig. No. 373	Amperage	Mfg. No.
1	.25	25A/S8
2	.55	55A/S8
3	.77	77A/S8
4	1.15	1.15A/S8
5	2.03	2.03A/S8SCP



Fig. 341

SOCKET SUPPORTS FOR MEDIUM PREFOCUS SOCKET

Brass — 3/8" I.P.S. Thread

No.	Each	Height Overall Inches	For Size Light
1		7/8	1
1-1/2		1-1/2	2



Fig. 374

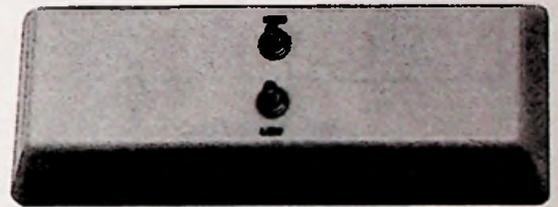
NEW DOUBLE CONTACT BAYONET BULBS Clear — 12, 24, 32 or 120 Volts Type T-8, C-8, Filament — 1-3/8" L.C.L.

Fig. No. 374	Voltage	Candela
1	12	24
2	24	24
3	32	24
4	120	24

SECTION C-D

PERKO®

**SWITCHES, PANELS,
LIGHTING FIXTURES,
ETC.**



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

FOR COMPLETE LINE SEE CATALOG NO. 240

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**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.

Protected By U.S. Patent No. 4280028 and other Patents 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

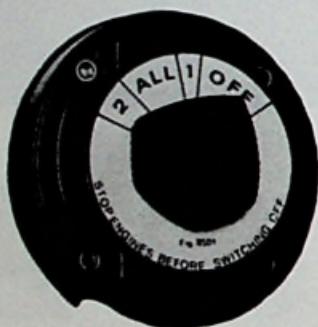


Fig. 8501 without Key Lock Assembly



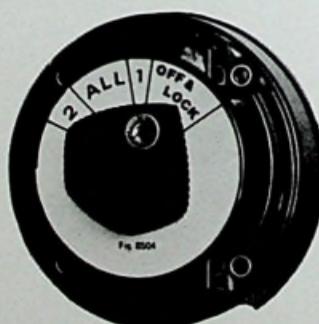
Fig. 8502 with Key Lock Assembly

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 SECTION L FOR DETAILS**

9600 SERIES IGNITION PROTECTED MAIN BATTERY SWITCHES ON-OFF TYPE

NOW AVAILABLE WITH NEW KEY LOCK OPTION FOR EXTRA THEFT PROTECTION

Protected By U.S. Patent No. 4280028 and other Patents 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.

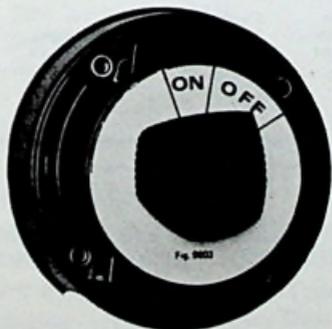


Fig. 9603 without Key Lock Assembly
with Field Disconnect Feature

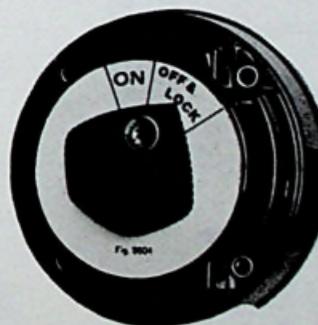


Fig. 9604 with Key Lock Assembly
with Field Disconnect Feature

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 SECTION L FOR DETAILS.

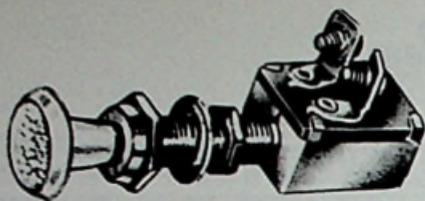


Fig. 105

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.



Fig. 105 SP

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

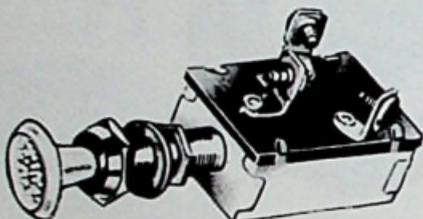


Fig. 321

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.

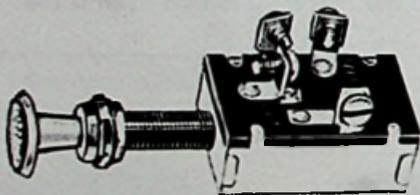


Fig. 366

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.



SKIN PACK—Fig. 366-SP

One Switch Per Card.
Six Cards Per Box.
Weight Per Box 2 Pounds.

Sold to trade in full box only.



Fig. 366 SP

NOTE—Spare Plastic, Chromium Plated knobs for all Push-Pull switches, Specify Fig. 104.
Above Switches are not Ignition Protected. See Page CD-13 for details.

BUY STANDARD PACKAGES

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

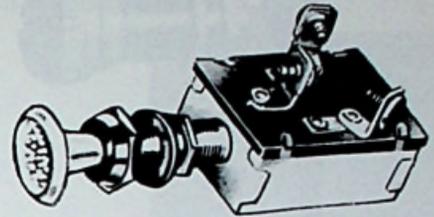


Fig. 381

Standard package 10 pieces.



SKIN PACK—Fig. 381-SP

One Switch Per Card.
Six Cards Per Box.
Weight Per Box 2 Pounds.

Sold to trade in full box only.



Fig. 381 SP

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

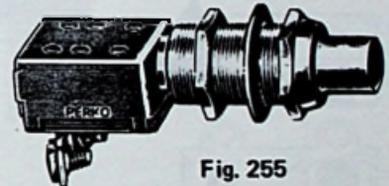


Fig. 255

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 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

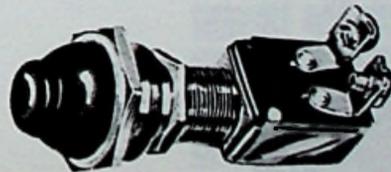


Fig. 306

Standard Package, 5 Pieces

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

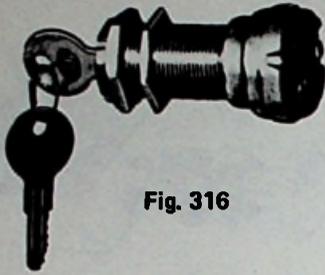


Fig. 316



Fig. 316 SP

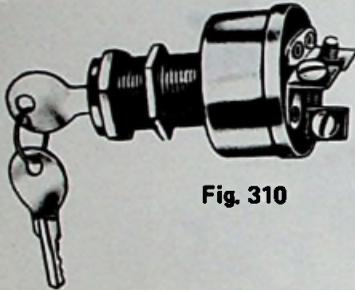


Fig. 310



Fig. 310-SP

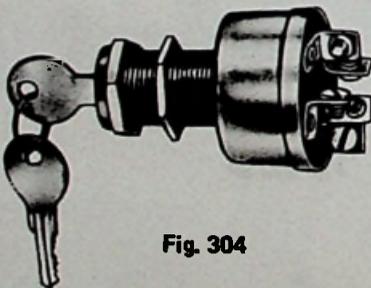


Fig. 304



Fig. 387

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.



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



SKIN PACK—Fig. 310-SP

One Switch Per Card.

Six Cards Per Box.

Weight Per Box 3 Pounds.

Sold to trade in full box only.



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.



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

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
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	Standard Package	Weight Ounces
	6-1/2 x 4-1/4	5	8

Note, If Name Plates Other Than Shown Are Desired Specify Fig. 517A And Name Required. See Fig. 519.

THIS ITEM AVAILABLE IN DISPLAY PACK. SEE SECTION L.



Fig. 517

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.

For additional selection of name plates, see Fig. 490.

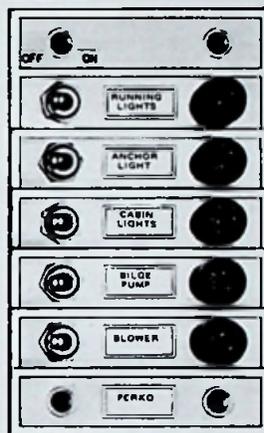


Fig. 512

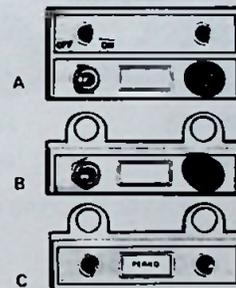


Fig. 511

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.

SWITCH NAME PLATES—Fig. 519

Black With Engraved White Lettering

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

Each	Length Inches	Width Inches	Screw Size No.	Standard Package	Weight Per Dozen Ounces
	1-1/2	1/2	4	5	1/2



Fig. 519

Minimum Quantity, Stock Names, 5 Pieces. Special name plates, Minimum quantity 20 pieces each name.

Spare Switches, Specify Fig. 514.

Spare Fuse Holders, Specify Fig. 516.

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

Above Panels are not Ignition Protected. See Page CD-13



Fig. 490



Fig. 786



Fig. 786-SP

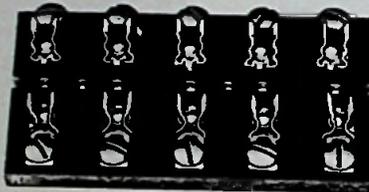


Fig. 626

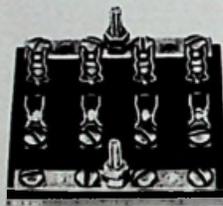


Fig. 647

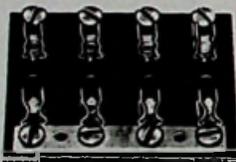


Fig. 629

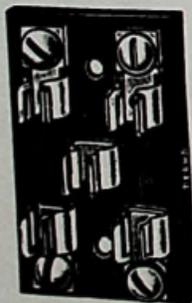


Fig. 894



Fig. 627

ALUMINUM NAME PLATES — Fig. 490
Turquoise — Aluminum Matte Background — Self Adhesive
NAME SELECTION AVAILABLE (NO SPECIALS)

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

Each Dimensions
Inches Standard
Package
 15/16 x 3/8 5

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

SKIN PACK — FIG. 786-SP
One Connector Per Card. Weight Per Box, 3/4 Pound.
Ten Cards Per Box. Sold to Trade In Full Box Only

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		3x2-7/16x3/16	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

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		6x3-5/16x3/16	7	1
12		9x3-5/16x3/16	11	1

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		3x2-7/16x3/16	2	5
6		4-1/2x2-7/16x3/16	3	5
8		6x2-7/16x3/16	3	1
12		9x2-7/16x3/16	6-1/2	1

FUSE PANEL—Fig. 894
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.

TERMINAL BLOCKS—Fig. 627
Molded Plastic Base — Brass Parts
Rated 30 Amps at 12 Volts.

Number Of Gangs	Each	Dimensions Inches	Standard Package	Weight Ounces
2		1-1/2x1-1/2x3/16	5	1-3/4
4		3x1-1/2x3/16	5	2
6		4-1/2x1-1/2x3/16	5	2-1/4

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 CD-13.



Fig. 196

BRASS CABLE STRAPS—Fig. 121

For Cable, Tubing, Control Wire, Etc.

No.	Inside Diam. Inches	Per 100	Length Inches	Width Inches	No.	Inside Diam. Inches	Per 100	Length Inches	Width Inches
1	1/8		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.



Fig. 121

LINE SUPPORT CLIPS—Figs. 163, 164 & 165

Aluminum — Synthetic Rubber Cushion

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 CD-13.



Fig. 163
Single



Fig. 164
Double



Fig. 165
Triple

BE SURE TO SPECIFY SIZE

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. 472

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.



Fig. 405

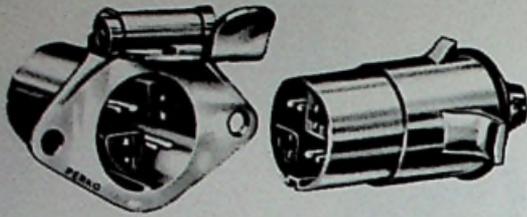


Fig. 739

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



4-PRONG CONNECTOR FOR TRAILER LIGHTS - Fig. 751

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

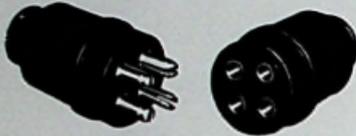


Fig. 751

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

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.

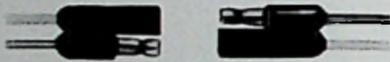


Fig. 720-2



Fig. 720-3

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 CD-13.



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.



DASHBOARD LAMP — Fig. 184

Brass — Chromium Plated — Double Contact Socket With Switch — For 6 C.P. Bulb
 Bulb is not included.



Fig. 184

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

Standard Package, 10 Pieces.

Not Ignition Protected. See Page CD-13.

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

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 CD-13.



Fig. 1189



Fig. 1190

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 CD-13.

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



Fig. 1190-SP

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

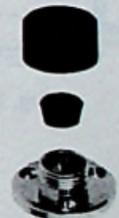


Fig. 424 — All Brass
Fig. 1191 — Die Cast

SKIN PACK—Fig. 1191-SP

One Outlet Per Card.

Five Cards Per Box.

Weight Per Box 10 Ounces.

Sold To Trade in Full Box Only.



Fig. 1191-SP

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 CD-13.



Fig. 275

ELECTRIC LIGHTING LAMPS

BAYONET D.C. BASE – FIG. 337



Fig. 337

Item No.	Mfr. Lamp No.	Volts	C.P.	Bulb Diam. Inches	Clear Each
4	82	6	6	3/4	
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



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



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.

DOUBLE ENDED BASE—FIG. 71

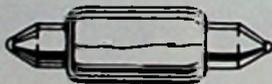


Fig. 71

12 8 3/8

Standard Package, 10 Pieces.
Fig. 71 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

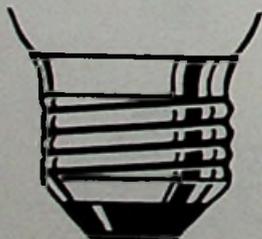


Fig. 340

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

NOTES

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

ELECTRIC LAMPS ARE NOT RETURNABLE. ORDER CAREFULLY.

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

Rated 15 Amps at 12 Volts

Fig. 745 — Brass with Bakelite Insulation

With 6 Inch Wire Leads

Rated 20 Amps at 12 Volts

Fig.	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

Standard package 10 pieces.

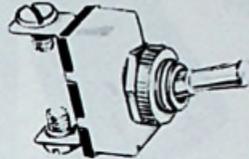


Fig. 688



Fig. 745

Figs. 703—688—745 Switches are not Ignition Protected. See below.

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 1, (33CFR183).**

LIGHTING FIXTURES LOW VOLTAGE – 6 TO 32 INC.



Fig. 217



Fig. 1295



Fig. 217-SP



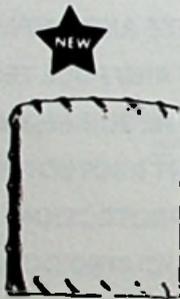
Fig. 450



For Hanging Bulb
Fig. 27



For Upright Bulb
Fig. 28



For Hanging or
Upright Bulb
Fig. 29



Fig. 33



Fig. 34



Fig. 36

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.



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.



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.



MARINE SHIELDS FOR FIXTURES – Figs. 27, 28 & 29

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

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

Figs. 27-28

Fig. 29*

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

Standard Package, 10 Pieces

*Fig. 29 Plain fits Hanging or Upright Bulbs.



SHIELD DESIGNS – Figs. 33, 34, & 36

Same quality and construction as Figs. 27 and 28 abo
Attractive two color marine designs suitable for hanging a
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
3	4-1/2 x 3-1/4	5	4-1/2	5



Fig. 1303 BK – Black
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.

Size No. 3 designed for Dual Voltage One Bayonet Socket – One Medium Screw Socket



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

Each
Specify Size and Color

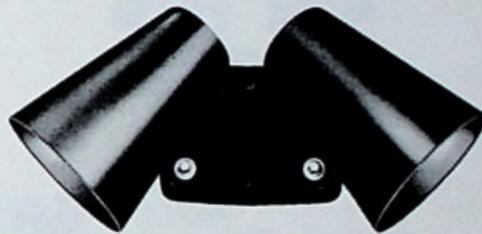


Fig. 1304 BK – Black
Fig. 1304 WH – White

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

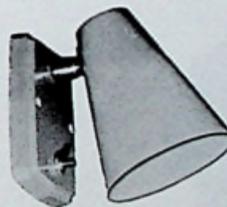


Fig. 1350

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 Fixtures

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

Spare Sockets, See Fig. 24 No. 1

Spare Switches, Specify Fig. 1212-99A

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

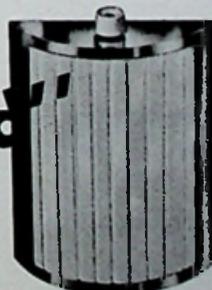


Fig. 1212

Discontinued



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-A

DUAL VOLTAGE DOME LIGHT — Fig. 318-A
 White Translucent Plastic Globe.

Heavy Cast Base — Integral Junction Box
 Now supplied for ship and shore current. Complete with 2, 12 volt and 2, 110 volt bulbs.

Each	Length Inches	Width Inches	Depth Inches	Weight Pounds
	9-¾	3-¾	1-7/8	1-5/8

Spare Switches, Specify Fig. 318-A-99C
 Spare Globes, Specify Fig. 318-A-99D
 Spare Sockets, See Fig. 24 No. 1
 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

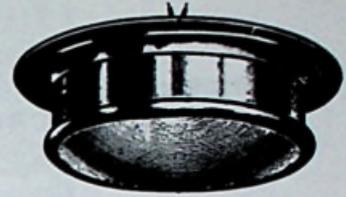


Fig. 753

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

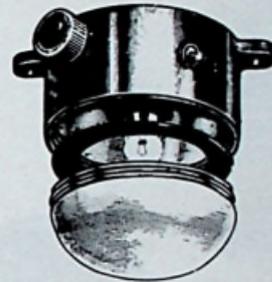


Fig. 1266

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

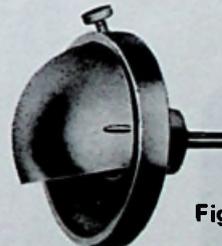


Fig. 1254

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. 140



SKIN PACK – Fig. 140-SP

One Light Per Card

Ten Cards Per Box

Weight Per Box, 2 1/2 Ounces

Sold To Trade In Full Box Only



Fig. 140-SP

**NEW
NITESIGHT SERIES
UTILITY LIGHTS**

**RED TRANSLUCENT LENS – FOR USE IN INTERIOR AND COCKPIT
THIS NEW SERIES OF LIGHTS SIGNIFICANTLY DECREASES “NIGHT BLINDNESS”
IDEAL FOR USE WHILE CRUISING, SAILING OR FISHING AT NIGHT**



Fig. 202



FIG. 202

**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	8
2		5	6-1/2	2	11



Fig. 203



FIG. 203

**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

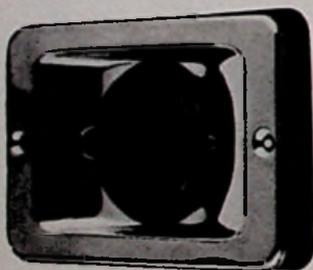


Fig. 204



FIG. 204

**Brass – Polished Chromium Plated
Supplied Complete with 12 Volt Bulb**

Each	Dimensions Overall Inches	Depth Inches	Weight Ounces
	5-3/16x3-3/8	1-1/2	6

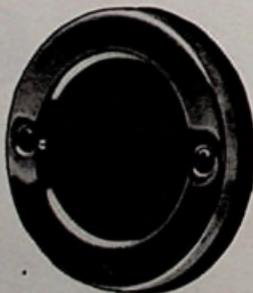


Fig. 205



FIG. 205

**Brass – Polished Chromium Plated
Supplied Complete with 12 Volt Bulb**

Supplied Complete with Black Plastic Base and Stainless Screws for Mounting

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

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



Fig. 312

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



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



Fig. 168

Spare Burners, Specify Fig. 231 and Finish
Spare Chimneys, Specify Fig. 230
Spare Wicks, See Fig. 302 No. 00



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



Fig. 141

For No.1 Specify

For No.2 See

*Spare Burners231 242
Spare Chimneys 230 267
Spare Wicks 302 No. 00 302 No.2

*Specify Finish



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



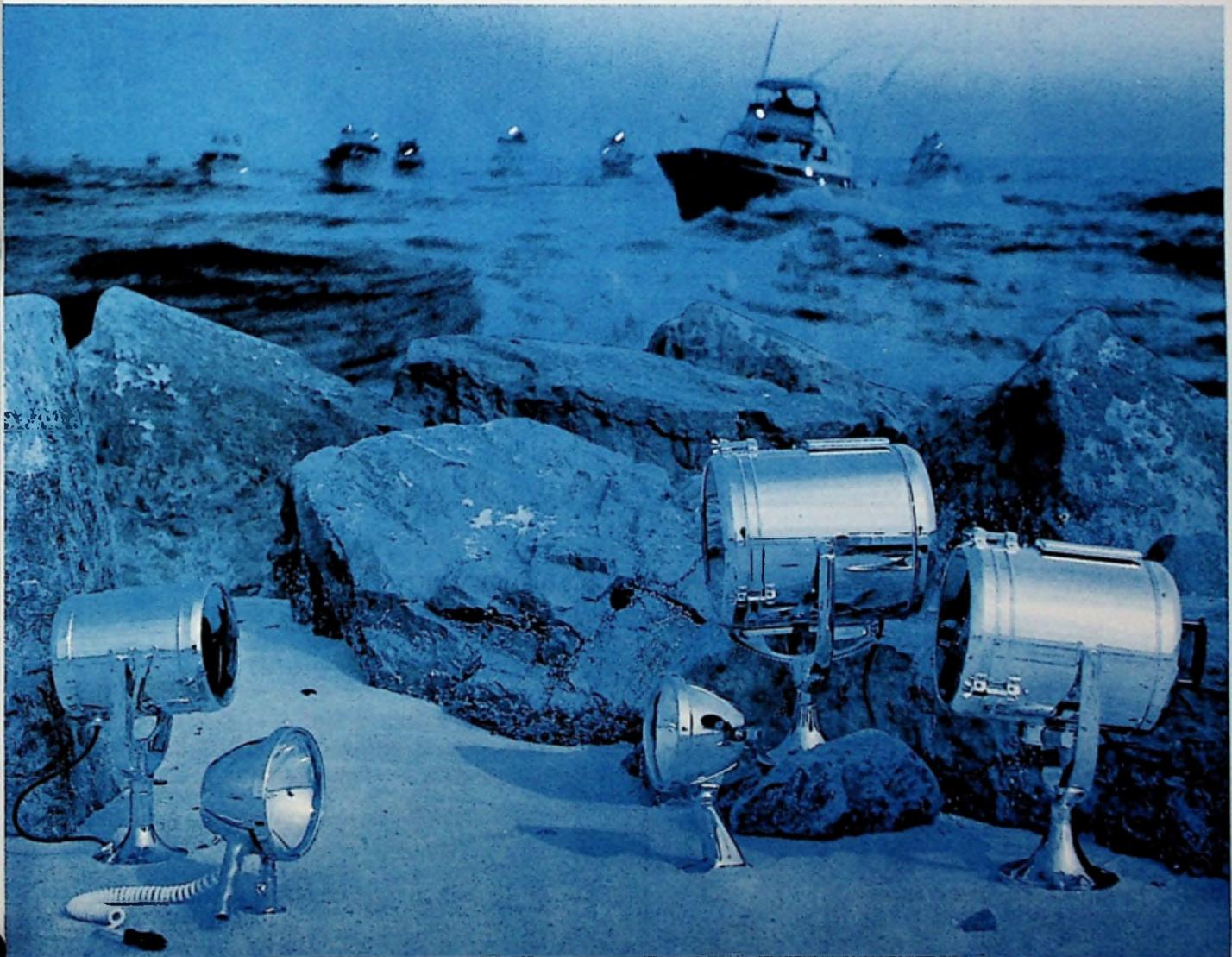
Fig. 128

No. 0 size is for lamp Fig. 168.

No. 1 size is for lamp Fig. 141, sizes 1 and 2.

PERKO®

SEARCHLIGHTS



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

FOR COMPLETE LINE SEE CATALOG NO. 240

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SEALED BEAM SEARCHLIGHTS**300, 400, and 500 SERIES**

PERKO OFFERS HIGHEST QUALITY SEALED BEAM SEARCHLIGHTS IN A VARIETY OF STYLES, FINISHES AND VOLTAGES TO FIT EVERY NEED

The 300 Series and 500 Series are designed for durable service with weatherproof construction, all brass bodies and cast bronze bases. The 400 Series features brass bodies and overall quality construction not normally found in portable type searchlights.

The searchlights on Pages E-3 and E-4 are available in a number of different sizes. The following list gives approximate distance or range, according to size and voltage.

Size	Voltage	Beam Candlepower	Approximate Range
1	12V	50,000	1/4 Mile
*1-H	12V	100,000	1/3 Mile
2	12V	200,000	1/2 Mile
*2-H	12V	160,000	1/2 Mile
2	24V	300,000	2/3 Mile
3	12V	250,000	5/8 Mile
3	24V	470,000	3/4 Mile
3	32V	260,000	5/8 Mile

*NOTE, The "H" Series searchlights are equipped with High-Intensity Halogen Sealed Beam Units which produce a brighter more piercing beam and last up to 2-1/2 times longer than ordinary sealed beam units.

IMPORTANT ORDERING INFORMATION

- When ordering, please specify the following ■
 1.) Figure Number 2.) Size 3.) Voltage 4.) Finish

SPARE SEALED BEAM UNITS**FOR PERKO 300, 400, and 500 SERIES SEARCHLIGHTS****SEALED BEAM SPOTLIGHT UNITS — Fig. 433**

No.	12 Volt Each	*24 Volt Each	32 Volt Each	Diam. Lens Inches
1			**N.A.	4-1/2
2			N.A.	6

*Rated voltage is listed at 28 volts.
 **Not available.

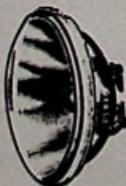


Fig. 433

HALOGEN SEALED BEAM-SPOTLIGHT UNIT — FIG. 435
12 Volt — 50 Watt — High Intensity — Longer Life

No.	Each	Diam. Lens Inches
1		4-1/2
2		6

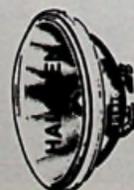


Fig. 435

300 SERIES SEARCHLIGHTS CAST BRONZE BASE — BRASS BODY SATIN CHROME OR POLISHED CHROME FINISH 12, 24, or 32 VOLTS

Dimensions Figs. 305 & 313	"A" Inches	"B" Inches	"C" Inches	"D" Inches	"G" Inches	"H" Inches	Weight Pounds
	8	8-1/2	10	7	2	2-1/8	14

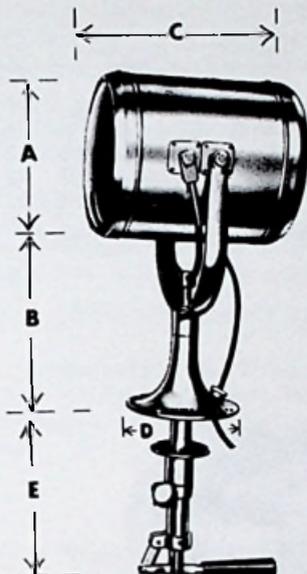


Fig. 305

Fig.	"E" Inches
305	8-1/2
305-A	15-1/2
305-B	22-1/2
305-C	29-1/2

Fig.	"F" Inches
313	7-1/2
313-A	14-1/2
313-B	21-1/2
313-C	28-1/2



Fig. 313

SPARE PARTS

Sealed Beam Units — See Fig. 443 No. 3
Front Bezel With Glass, Specify Fig. 354
and Finish. Rear Cover, Specify Fig. 355
and Finish

For Fig. 305 Specify 851
For Fig. 305A Specify 851 LA
For Fig. 305B Specify 851 LB
For Fig. 305C Specify 851 LC

CONTROL ASSEMBLIES ONLY

For Fig. 313 Specify 852
For Fig. 313A Specify 852 LA
For Fig. 313B Specify 852 LB
For Fig. 313C Specify 852 LC

400 SERIES SEARCHLIGHTS BRASS BODY POLISHED CHROME FINISH

Size No.	Voltage	Diam. Lens Inches	Weight Pounds
1	12V	4-1/2	2-1/4
1-H*	12V	4-1/2	2-1/4
3	12V	7	3-1/2
3	32V	7	3-1/2

HAND SPOTLIGHTS — Figs. 440 & 440H

Push Button Switch — 8 Feet of Coiled Cord
Cigar Light Plug and D.C. Plug With Socket
Removable from Deck Socket for Portable Operation

*Fig. 440 Size 1-H equipped with Halogen Sealed Beam Unit.

SPARE PARTS

Sealed Beam Units for Figs. 440 & 440H, See Figs. 433 and 435.
Cigar Lighter Plug, Specify Fig. 458
Deck Mounting Sockets for Light, Specify Fig. 494
D.C. Connections, See Fig. 1190



Figs. 440 & 440H SPOTLIGHTS

500 SERIES SEARCHLIGHTS CAST BRONZE BASE — BRASS BODY POLISHED CHROME FINISH

DECK CONTROL WITH SWITCH IN HEAD



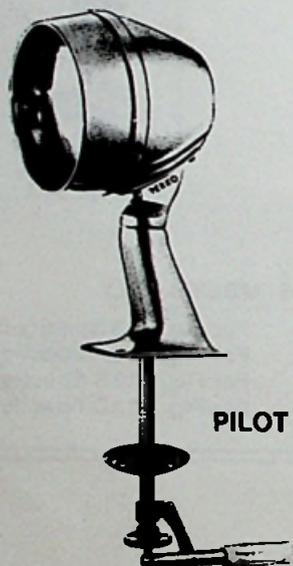
Fig.	No.	12 Volt Each	24 Volt Each	32 Volt Each	Nominal Diameter Inches	Dimensions Base Inches	Height Above Deck Inches
538	1		N/A	N/A	4-1/2	3-1/2	7-1/2
538	1H		N/A	N/A	4-1/2	3-1/2	7-1/2
534	2			N/A	6	4-7/8 x 3-1/8	12
534	2H		N/A	N/A	6	4-7/8 x 3-1/8	12
534	**3				7	4-7/8 x 3-1/8	12-1/2

Approximate Weight, Fig. 534, 5 pounds. Fig. 538, 1 1/2 pounds.



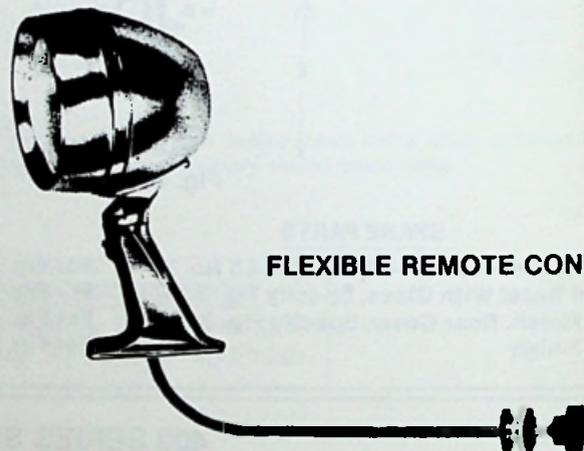
Figs. 538 & 538H

Figs. 534 & 534H



PILOT HOUSE CONTROL

Figs. 535 & 535H



FLEXIBLE REMOTE CONTROL

Figs. 536 & 536H

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

No.	12 Volt Each	24 Volt Each	32 Volt Each	Nominal Diameter Inches	Dimensions Base Inches	*Height Above Deck Inches
2			N/A	6	4-7/8 x 3-1/8	12
2H		N/A	N/A	6	4-7/8 x 3-1/8	12
**3				7	4-7/8 x 3-1/8	12-1/2

Length of control below base, 7-1/4 inches.
For thickness of top or deck maximum 4-1/2 inches.

NOTE

**Size No. 3 does not have lens bezel as illustrated. See Fig. 440 for basic design of head.

Has knob tightening device on dash for maintaining set position of head.

Fig. 536 No.	Fig. 536H No.	Length Control Inches	12 Volt Each	12 Volt-H Each	24 Volt Each	32 Volt Each
2-A	2-AH	36				
2-B	2-BH	48				
2-C	2-CH	60				
**3-A	N/A	36				
**3-B	N/A	48				
**3-C	N/A	60				

For Dimensions See Fig. 535.
Figs. 534 and 535, Weight About 5 Pounds.
*Fig. 536H, Available in 12 Volts only.
Special lengths longer than above, Price on application.
Maximum length for smooth operation is 12 feet.

Spare sealed beam units for all above lights, see Figs. 433 and 435.

SOLAR-RAY® SEARCHLIGHTS – 800 SERIES and 1900 SERIES

PERKO SOLAR-RAY® SEARCHLIGHTS ARE AVAILABLE FROM 10" THROUGH 19" SIZES. ALL MODELS OFFER RUGGED WEATHER-PROOF CONSTRUCTION WHICH WAS DEVELOPED OVER MANY YEARS OF RESEARCH AND RIGOROUS FIELD TESTING BY COMMERCIAL VESSELS, REQUIRING UN-COMPROMISING RESULTS UNDER EXTREME WEATHER CONDITIONS.

Both the 800 and 1900 Series are available in your choice of deck, wheel, lever, lever/gear or console mount controls. All models feature halo deflectors. Also full size parabolic glass mirror reflectors for maximum light output and ventilation covers for quick dissipation of heat to help prolong bulb life. Hinged front doors have quick release stainless steel latches to provide easy access for bulb replacement. The 800 Series models are available in our commercial satin chrome finish, which eliminates painting and provides a scratch resistant and chip-proof surface.

The 1900 Series was designed and built with the commercial user in mind where maximum size and brilliance counts. These units are constructed of marine aluminum with heavy duty castings and heavy gauge reinforced bodies for extra durability.

Solar-Ray® Searchlights give you a choice of the traditional incandescent or the brighter, more piercing quartz-halogen bulbs in a broad variety of voltages and wattages to fit every need. After more than 12 years of experience with the quartz-halogen bulbs we recommend them for superior results. For complete information on bulbs and candle power output, see Pages E-10 & E-11.

■ IMPORTANT ORDERING INFORMATION ■

WHEN ORDERING PLEASE SPECIFY THE FOLLOWING;

- 1.) Figure Number 2.) Size 3.) Finish 4.) Type of Bulb Socket 5.) Length of Controls below Mounting Base
- 6.) Overall height from bottom of Mounting Base to top of Head

SOLAR-RAY® SEARCHLIGHTS 800 SERIES – Fig. 883

Heavy Gauge Brass and Cast Bronze – For 6 through 230 Volts

Slide-Lock Focusing System – 3 Wire Cable, Grounded – Heat Tempered Front Lens
Ventilation Covers – No. 1 Size Single Ventilation – Nos. 2 & 3, Dual Ventilation
AVAILABLE IN PLAIN BRASS, SATIN CHROME OR POLISHED CHROME FINISH

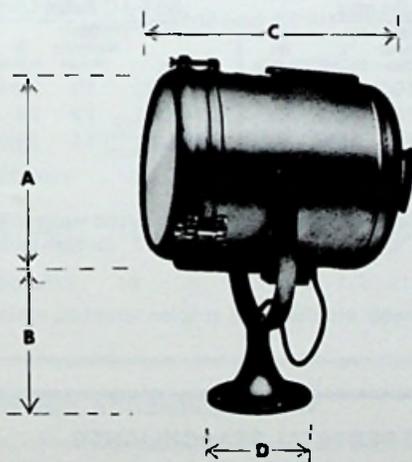
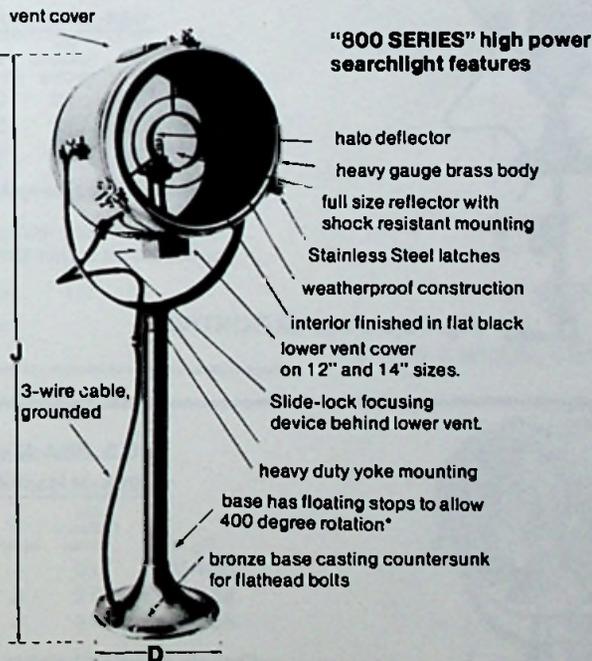


Fig. 883 STANDARD – DECK CONTROL

Fig. No.	Diam. Reflector Inches	"A" Inches	"B" Inches	"C" Inches	"D" Inches	Weight Pounds
883-1	10	10-1/8	9	13	7	25
883-2	12	12-1/8	10	15	7	33
883-3	14	14-1/8	11	17	7	45



Figs. 883-M and 883-H DECK CONTROL WITH EXTENDED PEDESTAL

IMPORTANT NOTES

See Pg. E-10 for complete listing of bulbs.
See Pg. E-12 for spare parts listing.

*Only applies to searchlights with controls.

883M - Medium Pedestal

883H - High Pedestal

Fig. No.	Dia. Reflector Inches	"D"	"J"	Weight Pounds	Fig. No.	Dia. Reflector Inches	"D"	"J"	Weight Pounds
883-MO1	10	8	27-1/2	51	883-HO1	10	8	44	53
883-MO2	12	8	29-1/2	59	883-HO2	12	8	46	61
883-MO3	14	8	31-1/2	71	883-HO3	14	8	48	73

SOLAR-RAY® SEARCHLIGHTS 800 SERIES — FIG. 884

Heavy Gage Brass and Cast Bronze — For 6-230 Volts
Slide-Lock Focusing System — 3 Wire Cable, Grounded — Heat Tempered Front Lens
Ventilation Covers — No. 1 Size Single Ventilation — Nos. 2 & 3, Dual Ventilation
AVAILABLE IN PLAIN BRASS, SATIN CHROME OR POLISHED CHROME FINISH

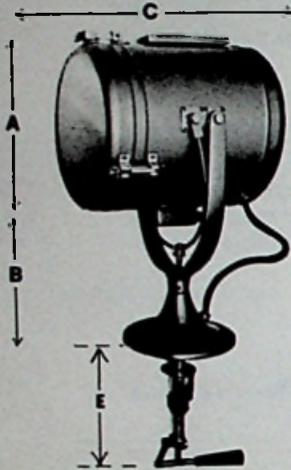


FIG. 884 STANDARD LEVER CONTROL SEARCHLIGHTS

Fig. No.	Dia. Reflector Inches	"A" Inches	"B" Inches	"C" Inches	"D" Inches	"E" Inches	"H" Inches
884-1	10	10½	9	13	7	8½	2½
884-2	12	12½	10	15	7	8½	2½
884-3	14	14½	11	17	7	8½	2½

Fig. 884 LEVER CONTROL

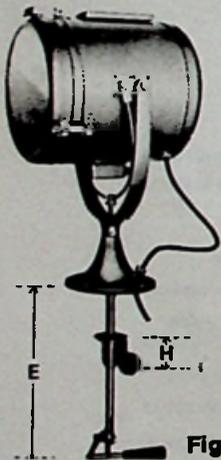


FIG. 884-L EXTENDED LEVER CONTROL SEARCHLIGHTS

884-LA Medium				884-LB Long				884-LC Extra Long		
Fig. No.	Dia. Reflector Inches	"E" Inches	Wt. Pounds	Fig. No.	Dia. Reflector Inches	"E" Inches	Wt. Pounds	Fig. No.	Dia. Reflector Inches	"E" Inches
884-L1A	10	15½	39	884-L1B	10	22½	43	884-L1C	10	29½
884-L2A	12	15½	47	884-L2B	12	22½	51	884-L2C	12	29½
884-L3A	14	15½	59	884-L3B	14	22½	63	884-L3C	14	29½

Custom control lengths are available. Specify desired "E" dimension.

If installation also requires searchlight to be extended above deck these lights can be made with pedestals as shown below. Specify "S" in place of "L" for medium pedestal or "T" for high pedestals.

Fig. 884-L LEVER CONTROL

FIGS. 884-M and 884-H EXTENDED PEDESTAL SEARCHLIGHTS

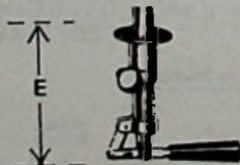
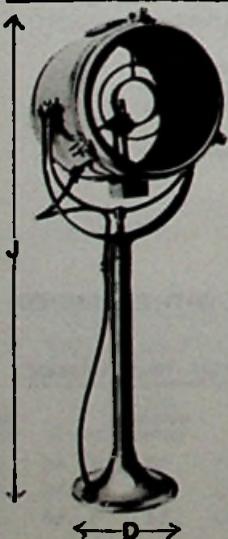
884-M Medium Pedestal

Fig. No.	Dia. Reflector Inches	"D" Inches	"E" Inches	"J" Inches	Wt. Pounds
884-M01	10	8	8½	27½	55
884-M02	12	8	8½	29½	66
884-M03	14	8	8½	31½	81

884-H High Pedestal

Fig. No.	Dia. Reflector Inches	"D" Inches	"E" Inches	"J" Inches	Wt. Pounds
884-H01	10	8	8½	44	57
884-H02	12	8	8½	46	66
884-H03	14	8	8½	48	80

Custom pedestal heights are available. Specify desired "J" dimension.



**LEVER CONTROL
Figs. 884-M & 884-H**

CONTROL ASSEMBLIES ONLY

The control assemblies listed below are interchangeable (except for Figs. 851-M and 851-H), making it possible to offer a variety of light with minimum inventory.

- For Fig. 884 Specify Fig. 851
- For Fig. 884L-A Specify Fig. 851-LA
- For Fig. 884L-B Specify Fig. 851-LB
- For Fig. 884L-C Specify Fig. 851-LC
- For Fig. 884M Specify Fig. 851M
- For Fig. 884H Specify Fig. 851H

SOLAR-RAY® SEARCHLIGHTS 800 SERIES — FIG. 885

Heavy Gauge Brass and Cast Bronze — For 6-230 Volts
Slide-Lock Focusing System — 3 Wire Cable, Grounded — Heat Tempered Front Lens
Ventilation Covers — No. 1 Size Single Ventilation — Nos. 2 & 3, Dual Ventilation
AVAILABLE IN PLAIN BRASS, SATIN CHROME OR POLISHED CHROME FINISH

FIG. 885 STANDARD WHEEL CONTROL SEARCHLIGHTS

Fig. No	Dia. Reflector Inches	"A" Inches	"B" Inches	"C" Inches	"D" Inches	"F" Inches	"G" Inches	"H" Inches	Weight Pounds
885-1	10	10-1/8	9	13	7	7-1/2	2	2-1/8	36
885-2	12	12-1/8	10	15	7	7-1/2	2	2-1/8	44
885-3	14	14-1/8	11	17	7	7-1/2	2	2-1/8	56

FIG. 885-L EXTENDED WHEEL CONTROL SEARCHLIGHTS

885-LA Medium				885-LB Long				885-LC Extra Long			
Fig. No.	Dia. Reflector Inches	"F" Inches	Wt Pounds	Fig. No.	Dia. Reflector Inches	"F" Inches	Wt Pounds	Fig. No.	Dia. Reflector Inches	"F" Inches	Wt Pounds
885-L1A	10	14-1/2	40	885-L1B	10	21-1/2	43	885-L1C	10	28-1/2	46
885-L2A	12	14-1/2	48	885-L2B	12	21-1/2	51	885-L2C	12	28-1/2	54
885-L3A	14	14-1/2	60	885-L3B	14	21-1/2	63	885-L3C	14	28-1/2	66

Custom control lengths are available. Specify desired "F" dimension.
If installation also requires searchlight to be extended above deck these lights can be made with higher pedestals as shown below. Specify "S" in place of "L" for medium pedestal or "T" for high pedestal.

FIGS. 885M and 885H EXTENDED PEDESTAL SEARCHLIGHTS

885M — Medium Pedestal
885H — High Pedestal

Fig. No.	Dia. Reflector Inches	"D" Inches	"F" Inches	"J" Inches	Wt Pounds	Fig. No.	Dia. Reflector Inches	"D" Inches	"F" Inches	"J" Inches	Wt Pounds
885-M01	10	8	7-1/2	27-1/2	55	885-H01	10	8	7-1/2	44	57
885-M02	12	8	7-1/2	29-1/2	66	885-H02	12	8	7-1/2	46	68
885-M03	14	8	7-1/2	31-1/2	81	885-H03	14	8	7-1/2	48	83

Custom pedestal heights are available. Specify desired "J" dimension.

CONTROL ASSEMBLIES ONLY

The Control assemblies listed below are interchangeable (except for Figs. 852-M and 852-H), making it possible to offer a variety of lights with minimum inventory.

- For Fig. 885, Specify 852
- For Fig. 885-LA, Specify 852-LA
- For Fig. 885-LB, Specify 852-LB
- For Fig. 885-LC, Specify 852-LC
- For Fig. 885M, Specify 852M
- For Fig. 885H, Specify 852H

REFER TO PAGE E-5
FOR
ORDERING INFORMATION

IMPORTANT NOTES

See Pg. E-10 for complete listing of bulbs.
See Pg. E-12 for spare parts listing.

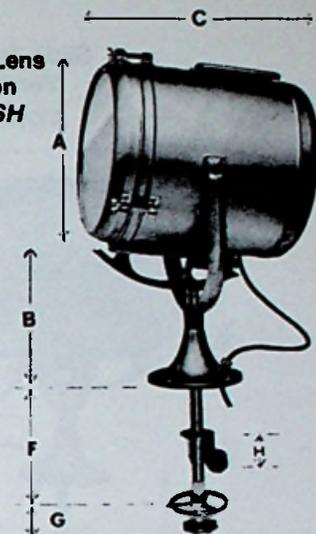
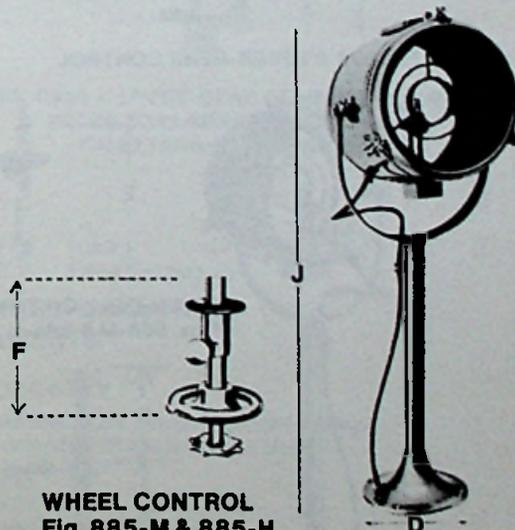


Fig. 885 WHEEL CONTROL



Fig. 885-L WHEEL CONTROL



WHEEL CONTROL
Fig. 885-M & 885-H

SOLAR-RAY® SEARCHLIGHTS 800 SERIES — FIG. 886-887

Heavy Gauge Brass and Cast Bronze — For 6-230 Volts
Slide-Lock Focusing System — 3 Wire Cable, Grounded — Heat Tempered Front Lens
Ventilation Covers — No. 1 Size Single Ventilation — Nos. 2 & 3, Dual Ventilation
AVAILABLE IN PLAIN BRASS, SATIN CHROME OR POLISHED CHROME FINISH

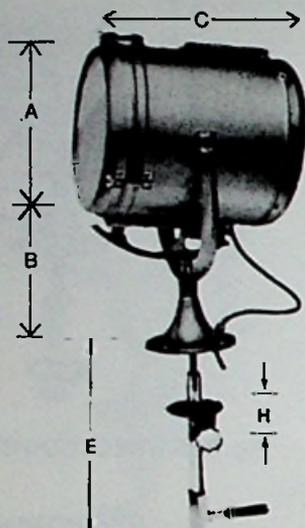


Fig. 886 LEVER-GEAR CONTROL

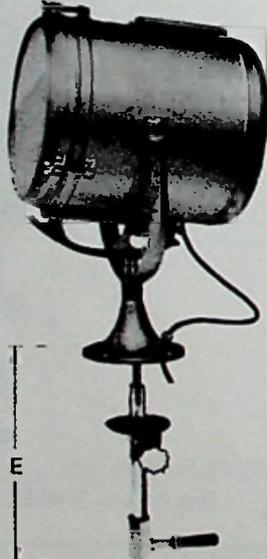
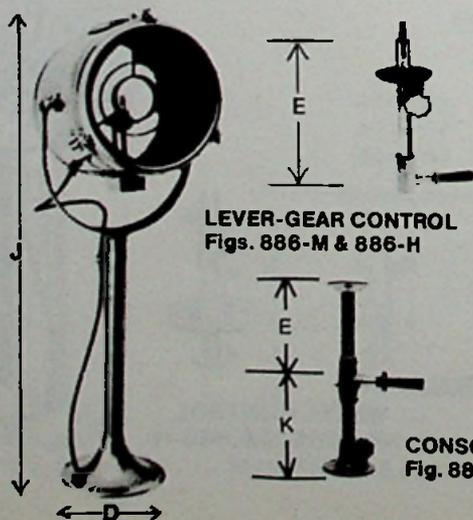


Fig. 886-L LEVER-GEAR CONTROL



LEVER-GEAR CONTROL
Figs. 886-M & 886-H



CONSOLE MOUNT
Fig. 887 CONTROL

FIG. 886 STANDARD LEVER-GEAR CONTROL SEARCHLIGHTS FIG. 887 STANDARD LEVER-GEAR CONSOLE MOUNT SEARCHLIGHTS

Fig. No	Dia Reflector Inches	"A" Inches	"B" Inches	"C" Inches	"D" Inches	"E" Inches	"H" Inches	Weight Pounds
1	10	10-1/8	9	13	7	8-1/2	2-1/8	36
2	12	12-1/8	10	15	7	8-1/2	2-1/8	44
3	14	14-1/8	11	17	7	8-1/2	2-1/8	56

NEW

Console mount control same design as Fig. 886 lever gear control except for extension below control handle ("K" dimension) to solve the problem of vibration sometimes encountered in extra long controls. Specify "K" dimension measured from the center of the lever gear to the bottom of console flange. Minimum "K" is 6 inches.

FIG. 886-L EXTENDED LEVER-GEAR CONTROL SEARCHLIGHTS FIG. 887-L EXTENDED LEVER-GEAR CONSOLE MOUNT SEARCHLIGHTS

886-LA Medium 887-LA Medium				886-LB Long 887-LB Long				886-LC Extra Long 887-LC Extra Long			
Fig. No.	Dia Reflector Inches	"E" Inches	Wt. Pounds	Fig. No.	Dia Reflector Inches	"E" Inches	Wt. Pounds	Fig. No.	Dia Reflector Inches	"E" Inches	Wt. Pounds
L1A	10	15 1/2	40	L1B	10	22 1/2	43	L1C	10	29 1/2	46
L2A	12	15 1/2	48	L2B	12	22 1/2	51	L2C	12	29 1/2	54
L3A	14	15 1/2	60	L3B	14	22 1/2	63	L3C	14	29 1/2	66

Custom control lengths are available. Specify desired "E" dimension.

If installation also requires searchlight to be extended above deck, these lights can be made with higher pedestals as shown below. Specify "S" in place of "L" for medium pedestal or "T" for high pedestal.

FIGS. 886-M and 886-H — EXTENDED PEDESTAL SEARCHLIGHTS FIGS. 887-M and 887-H — EXTENDED PEDESTAL SEARCHLIGHTS

886-M Medium Pedestal 887-M Medium Pedestal						886-H High Pedestal 887-H High Pedestal					
Fig. No.	Dia Reflector Inches	"D" Inches	"E" Inches	"J" Inches	Wt. Pounds	Fig. No.	Dia Reflector Inches	"D" Inches	"E" Inches	"J" Inches	Wt. Pounds
MO1	10	8	8 1/2	27 1/2	59	HO1	10	8	8 1/2	44	61
MO2	12	8	8 1/2	29 1/2	71	HO2	12	8	8 1/2	46	73
MO3	14	8	8 1/2	31 1/2	86	HO3	14	8	8 1/2	48	88

Custom pedestal heights are available. Specify desired "J" dimension.

CONTROL ASSEMBLIES ONLY

The control assemblies listed below are interchangeable (except for Figs. 969-M, 969-H, 966-M and 966-H), making it possible to offer a variety of lights with minimum inventory.

- For Fig. 886 Specify 969
- For Fig. 886-LA Specify 969-LA
- For Fig. 886-LB Specify 969-LB
- For Fig. 886-LC Specify 969-LC
- For Fig. 886M Specify 969M
- For Fig. 886H Specify 969H
- For Fig. 887 Specify 966
- For Fig. 887-LA Specify 966-LA
- For Fig. 887-LB Specify 966-LB
- For Fig. 887-LC Specify 966-LC
- For Fig. 887M Specify 966M
- For Fig. 887H Specify 966H

REFER TO PAGE E-5
FOR
ORDERING INFORMATION

IMPORTANT NOTES

See Pg. E-10 for complete listing of bulbs.
See Pg. E-12 for spare parts listing.

"1900 SERIES SOLAR-RAY®" SEARCHLIGHTS
FOR 32, 120 OR 230 VOLTS — 3 WIRE GROUNDED
ALL ALUMINUM — PAINTED GRAY — INTERCHANGEABLE CONTROLS
LEVER/GEAR, WHEEL OR LEVER GEAR CONSOLE MOUNT

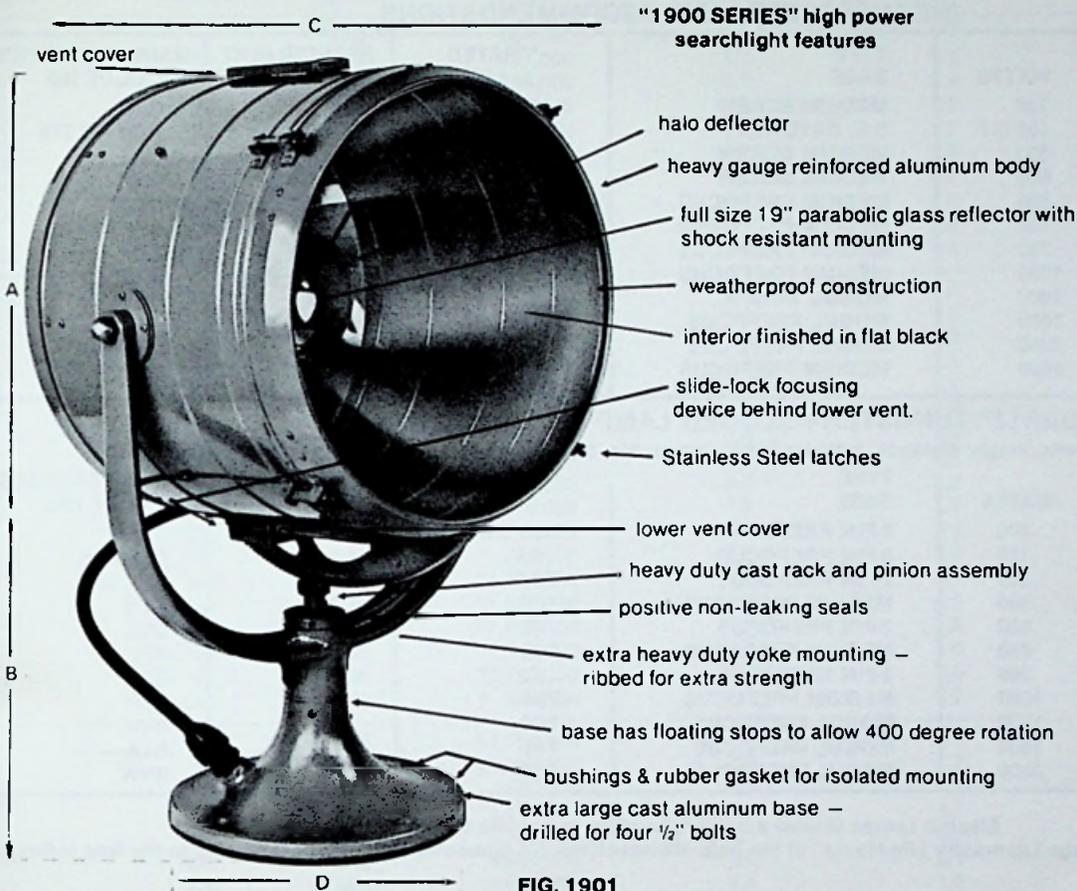


FIG. 1901
DECK CONTROL

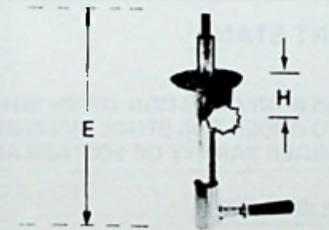


FIG. 1902 — LEVER-GEAR CONTROL
OPERATES SMOOTH, ONE HAND OPERATION
AND HAS BUILT-IN LOCKING KNOB
TO SET POSITION OF ELEVATION

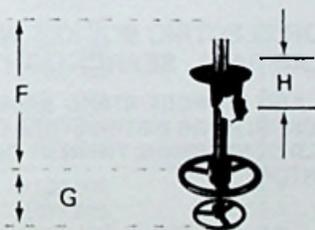


FIG. 1903 — WHEEL CONTROL
EXTRA LARGE CONTROL WHEELS FOR
EASE OF OPERATION

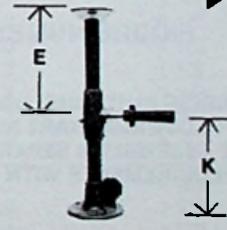


FIG. 1904 — LEVER-GEAR CONSOLE MOUNT
HELPS TO ELIMINATE VIBRATION
ON EXTENDED CONTROLS

DIMENSIONS AND WEIGHT

Size No.	"A" Inches	"B" Inches	"C" Inches	"D" Inches	"E" Inches	"F" Inches	"G" Inches	"H" Inches	"K" Inches	Weight Pounds
4	19-1/2	13-1/4	20-3/4	13	22	20-1/2	2-1/2	4-1/4	Specify*	55

SPECIAL HEIGHTS AND EXTRA LONG CONTROL SEARCHLIGHTS AVAILABLE
PRICE ON APPLICATION — SPECIFY MEASUREMENTS

REFER TO PAGE E-5
FOR
ORDERING INFORMATION

IMPORTANT NOTES

See pg. E-10 for complete listing of bulbs.
 See pg. E-12 for spare parts listing.

CONTROL ASSEMBLIES ONLY

The control assemblies listed below are interchangeable making it possible to offer a variety of lights with minimum inventory.

For Fig. 1902 Specify 1921

For Fig. 1903 Specify 1922

*For Fig. 1904 Specify 1923

**"K" Dimension must be Specified - Minimum is 6 Inches

IMPORTANT BULB INFORMATION FOR SOLAR-RAY® SEARCHLIGHTS

— BULBS ARE NOT INCLUDED IN LIGHTS —

To give good results the bulb and reflector must be perfectly compatible, therefore be sure to mention the Fig. No. of the Bulb desired. Peak candlepower is exceedingly sensitive to many factors, i.e. light source out of focus by 1/32 inch, Under-Voltage of only 4%, or difference between Lamp Manufacturers, which may cause reduction in range up to 20%.

INCANDESCENT LAMP RECOMMENDATIONS

FIG.	VOLTS	WATTS	TYPE BASE	**RATED LIFE	SEARCHLIGHT SIZE NOS.	MANUFACTURER'S CODE NO.
800	6	108	MEDIUM SCREW	50 HOURS	1-2	CPG
801	12	100 C.P.	S.C. BAYONET	100 "	1-2	1020 OR 976
802	32	300	MEDIUM SCREW	50 "	1-2	CRX
806	32	500	MEDIUM SCREW	50 "	1-2-3-4	DLT
807	120	500	MEDIUM PREFOCUS	25 "	1-2-3-4	CZX
809	120	750	MEDIUM PREFOCUS	25 "	2-3-4	DPJ
837	120	750	MEDIUM PREFOCUS	200 "	2-3-4	DDY
810	120	1000	MEDIUM PREFOCUS	25 "	2-3-4	DRS
811	120	1000	MOGUL SCREW	25 "	2-3	DRW
840	120	1500	MOGUL PREFOCUS	25 "	4	DTJ
843	120	2000	MOGUL PREFOCUS	200 "	4	2MG-48/5
860	230	1000	MEDIUM PREFOCUS	50 "	2-3-4	DWK

"QUARTZ" TUNGSTEN-HALOGEN LAMP RECOMMENDATIONS

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

FIG.	VOLTS	WATTS	TYPE BASE	**RATED LIFE	SEARCHLIGHT SIZE NOS.	MANUFACTURER'S CODE NO.
816	12	100	2-PIN PREFOCUS	50 HOURS	1-2-3	FDT
836	24	150	2-PIN PREFOCUS	50 "	1-2-3	DZE-FDS
817	32	200	2-PIN PREFOCUS	200 "	1-2-3	G.E. 1945
844	120	500	MEDIUM PREFOCUS	100 "	1-2-3-4	BTM
820	120	600	2-PIN PREFOCUS	75 "	1-2-3	DYS
845	120	750	MEDIUM PREFOCUS	200 "	2-3-4	BTP
839	120	900	2-PIN PREFOCUS	75 "	2-3-4	BVA
846	120	1000	MEDIUM PREFOCUS	200 "	2-3-4	BTR
847	120	1000	MOGUL PREFOCUS	200 "	4	BVV
848	120	1500	MOGUL PREFOCUS	100 "	4	DTA
859	120	2000	MOGUL PREFOCUS	250 "	4	BVW

Electric Lamps (Bulbs) are not returnable unless the fault is ours.

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

FIGURE NUMBER CHART FOR ELECTRIC SOCKET WITH SUPPORT STAND FOR SOLAR-RAY® SEARCHLIGHTS

SOLAR-RAY® SEARCHLIGHTS INCLUDE THE SOCKET AND SUPPORT STAND BASED ON THE BULB INFORMATION GIVEN WHEN ORDERING. THE FOLLOWING CHART NOW MAKES IT POSSIBLE FOR DISTRIBUTORS OR DEALERS TO ORDER AND STOCK DIFFERENT STYLES OF THESE ASSEMBLIES SEPARATELY FOR FIELD CONVERSION, THEREBY COVERING A LARGER VARIETY OF VOLTAGE AND CANDLEPOWER REQUIREMENTS WITH MINIMUM INVENTORY.

FIG. NO.	SOCKET TYPE	SEARCHLIGHT SIZE			
		10"	12"	14"	19"
871	S.C. Bayonet	#1	#2	#3	N/A
872	Medium Screw	#1	#2	#3	#4
873	Medium Prefocus	#1	#2	#3	#4
874	Mogul Screw	N/A	#2	#3	N/A
1930	Mogul Prefocus (1500W)	N/A	N/A	N/A	1930
1931	Mogul Prefocus (1000W & 2000W)	N/A	N/A	N/A	1931
875	2 Pin Prefocus (12 Volt)	#1	#2	#3	N/A
876	2 Pin Prefocus (24 Volt)	#1	#2	#3	N/A
878	2 Pin Prefocus (32 Volt)	#1	#2	#3	N/A
879	2 Pin Prefocus (600W)	#1	#2	#3	N/A
880	2 Pin Prefocus (900W)	N/A	#2	#3	#4

NOTE: When ordering specify the figure number and size of socket and stand assembly.

Example: if converting a 10 inch diameter light from S.C. Bayonet to Medium Screw, order Fig. 872 No. 1.

BULB TECHNICAL DATA FOR SOLAR RAY® SEARCHLIGHTS

The Following Chart is Provided to Aid in Proper Bulb Selection

Searchlight Size*	Voltage	Bulb Fig. No.	Maximum Candlepower Output	Horizontal Beam Spread Degrees	Vertical Beam Spread Degrees	Approx. Range Miles**	Approx. Life Hours
No. 1 - 10"	6	800	554,000	1.0	1.7	3/4	50
	12	801	251,000	1.6	2.1	5/8	100
	12	816	1,168,000	1.7	1.4	1	50
	24	836	891,000	2.6	1.5	1	50
	32	817	571,000	2.6	1.7	3/4	200
	32	802	761,000	3.4	3.0	7/8	50
	32	806	943,000	3.4	3.9	1	50
	120	820	908,000	4.4	2.2	1	75
	120	807	1,332,000	3.5	2.8	1 1/8	25
	120	844	1,375,000	3.1	3.4	1 1/8	100
No. 2 - 12"	6	800	718,000	1.0	1.7	7/8	50
	12	801	407,000	1.3	1.5	3/4	100
	12	816	1,617,000	1.5	1.2	1 1/4	50
	24	836	1,349,000	2.2	1.5	1 1/8	50
	32	817	865,000	2.4	1.6	7/8	200
	32	802	1,029,000	3.2	2.9	1	50
	32	806	1,496,000	3.4	3.5	1 1/8	50
	120	837	977,000	4.1	3.7	1	200
	120	845	1,185,000	3.7	5.2	1	200
	120	820	1,410,000	4.3	1.9	1 1/8	75
	120	809	1,747,000	3.6	3.4	1 1/4	25
	120	844	1,790,000	3.2	3.4	1 1/4	100
	120	807	1,799,000	3.3	3.1	1 1/4	25
	120	811	1,816,000	4.0	4.9	1 1/4	25
	120	810	1,894,000	4.0	3.8	1 3/8	25
	120	846	1,911,000	3.9	5.0	1 3/8	200
	120	839	2,482,000	4.5	5.5	1 1/2	75
	230	860	865,000	6.9	5.9	7/8	50
No. 3 - 14"	12	816	1,756,000	1.5	1.0	1 1/4	50
	24	836	1,367,000	2.3	1.2	1 1/8	50
	32	817	943,000	2.2	1.5	1	200
	32	806	1,591,000	4.0	3.7	1 1/8	50
	120	837	1,254,000	3.9	4.5	1 1/8	200
	120	845	1,531,000	3.6	5.1	1 1/8	200
	120	820	1,626,000	4.5	1.9	1 1/4	75
	120	844	2,007,000	2.9	3.2	1 3/8	100
	120	811	2,249,000	4.0	5.1	1 3/8	25
	120	807	2,353,000	3.2	3.2	1 1/2	25
	120	809	2,361,000	3.7	4.0	1 1/2	25
	120	846	2,586,000	3.8	5.0	1 1/2	200
	120	810	2,621,000	4.0	4.5	1 1/2	25
	120	839	2,889,000	4.5	5.2	1 5/8	75
	230	860	1,021,000	7.7	6.2	1	50
	No. 4 - 19"	32	806	3,520,000	3.5	3.7	1 2/3
120		837	2,076,000	3.6	4.2	1 3/8	200
120		845	2,871,000	3.6	5.4	1 5/8	200
120		807	3,191,000	3.5	4.0	1 5/8	25
120		859	3,633,000	9.4	5.9	1 2/3	250
120		847	3,659,000	4.5	5.4	1 2/3	200
120		843	3,676,000	8.6	5.9	1 2/3	200
120		844	4,212,000	3.0	5.4	1 3/4	100
120		809	4,454,000	3.6	4.5	1 3/4	25
120		846	4,601,000	4.5	5.4	1 7/8	200
120		848	5,596,000	5.9	5.7	2	100
120		810	5,622,000	3.6	4.2	2	25
120		839	5,769,000	5.9	5.4	2	75
120		840	5,968,000	5.6	5.4	2 1/8	25
230		860	2,162,000	7.9	6.5	1 3/8	50

NOTES: *Solar Ray® Searchlight Sizes are given based on the actual diameter of the reflector.

**The approximate ranges listed above are based on photometric measurements of beam candlepower output under ideal conditions. Many factors such as atmospheric conditions, size and color of target, background, etc, may reduce effective range considerably; therefore, these figures are offered only for use as a guide for comparison between different bulb and voltage options.

SPARE PARTS
For Solar-Ray® Searchlights

FIG.	SIZE	FRONT GLASS	FRONT DOOR WITH GLASS	BOX TYPE FOCUSING DEVICE WITH HOUSING	REAR COVER	REFLECTOR
883	1	889 #1	891 #1	892	908 #1	890 #1
	2	889 #2	891 #2	892	908 #2	890 #2
	3	889 #3	891 #3	892	908 #3	890 #3
884	1	889 #1	891 #1	892	902 #1	890 #1
	2	889 #2	891 #2	892	902 #2	890 #2
	3	889 #3	891 #3	892	902 #3	890 #3
885	1	889 #1	891 #1	909 #1	902 #1	890 #1
	2	889 #2	891 #2	909 #2	902 #2	890 #2
	3	889 #3	891 #3	909 #3	902 #3	890 #3
886	1	889 #1	891 #1	909 #1	902 #1	890 #1
	2	889 #2	891 #2	909 #2	902 #2	890 #2
	3	889 #3	891 #3	909 #3	902 #3	890 #3
887	1	889 #1	891 #1	909 #1	902 #1	890 #1
	2	889 #2	891 #2	909 #2	902 #2	890 #2
	3	889 #3	891 #3	909 #3	902 #3	890 #3
1901	4	889 #4	1936	1934	1932	890 #4
1902	4	889 #4	1936	1935	1933	890 #4
1903	4	889 #4	1936	1935	1933	890 #4
1904	4	889 #4	1936	1935	1933	890 #4

When ordering specify spare part no., size and finish

Spare Electric Sockets
For Solar-Ray® Searchlights

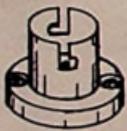


Fig. 472 No. 21
S.C. Bayonet



Fig. 894
Medium Screw



Fig. 895
Medium Prefocus

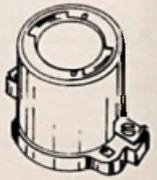


Fig. 893
Mogul Prefocus

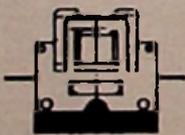


Fig. 899
2-Pin Prefocus*

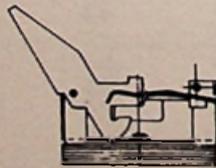


Fig. 866
2-Pin Prefocus**

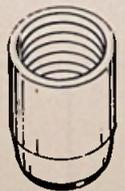


Fig. 897
Mogul Screw

* For Sizes 10, 12 and 14 except for 900 Watt Bulb.

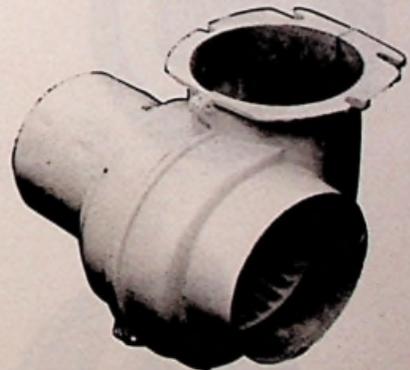
** For Sizes 12, 14 and 19 for Use With 900 Watt Bulb.

PERKO®

BLOWERS

VENTILATORS

VENTS



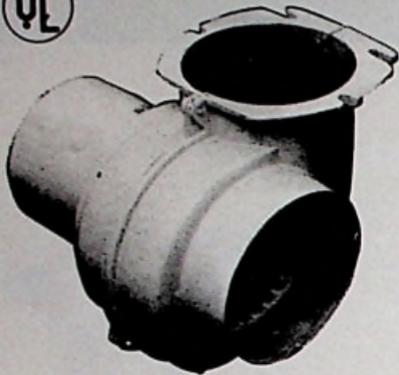


Fig. 778

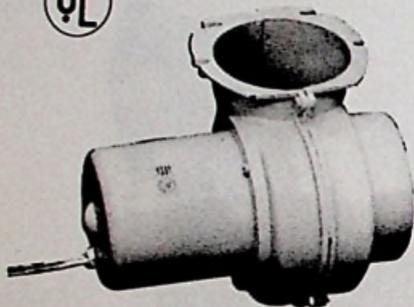


Fig. 791



Fig. 193 No. 1
NON-LOCKING



Fig. 193 No. 2
LOCK FEATURE



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

ALL PERKO BLOWERS ARE RATED FOR CONTINUOUS DUTY OPERATION

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	Maximum 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

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	Maximum 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.

BLOWER AND IGNITION SWITCHES—Fig. 193

RED PLASTIC HOUSING - IGNITION PROTECTED - MAKE BEFORE BREAK FEATURE - SURFACE MOUNT

Protected by U.S. Patent No. 4, 280, 028 and other patents 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 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

This item is available in Display Pack, See Section L.

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.

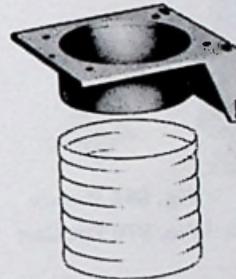


Fig. 787

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

Fig. 510



Spare Deck Plates, See Fig. 526

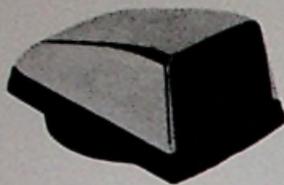


Fig. 1312
Chrome Plated Cowl



Fig. 1412 Black Insert In Cowl



Fig. 1312-SP



Fig. 654 Bronze
Fig. 870 Die Cast

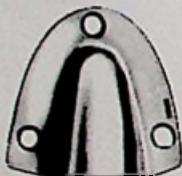


Fig. 315



Fig. 315-SP

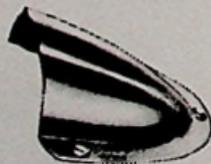


Fig. 339



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

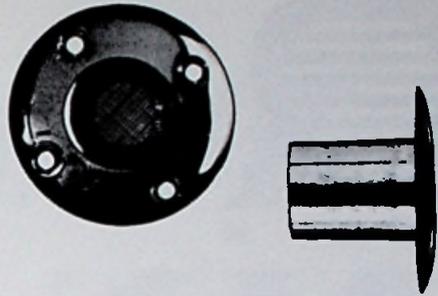


Fig. 505

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

Standard Package, 10 Pieces.

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



SKIN PACK—Fig. 506-SP

One Vent Per Card.

10 Cards Per Box.

Weight Per Box, 1-1/2 Pounds.

Sold to Trade in full box only.



Fig. 506



Fig. 506-SP



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	5/8	6

Standard Package, 10 Pieces.

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



Fig. 509

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	7/8	5-1/2
4		1/2	1/2x1/2	7/8	6

Standard Package, 5 Pieces.

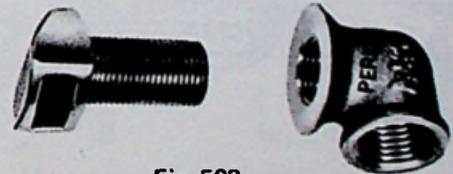


Fig. 503

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	5/8	3-3/4
4		1/2	5/8	5-1/4

Standard Package, 10 Pieces.

Spare Nuts, See Fig. 75.



Fig. 515

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

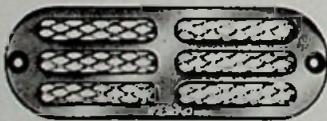


Fig. 1271

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

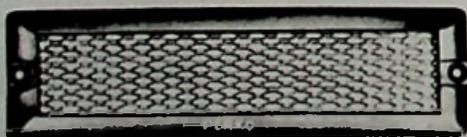


Fig. 1238

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

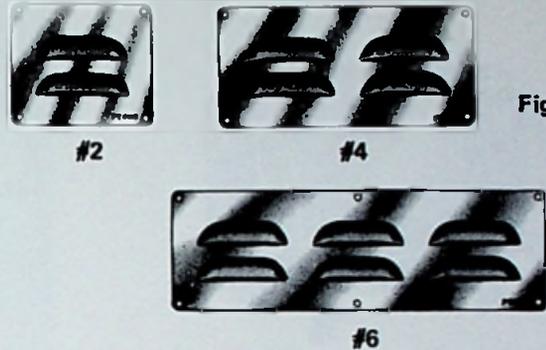


Fig. 334



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

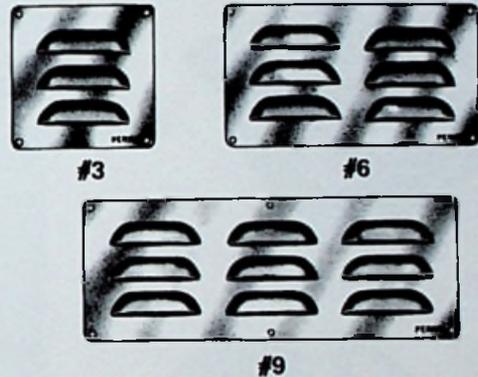


Fig. 335



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

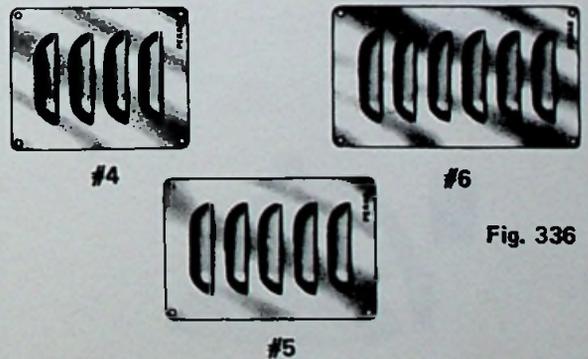


Fig. 336

PERKINS

THE PERKINS COMPANY
INCORPORATED
1000 BROADWAY
NEW YORK, N. Y. 10003
TELEPHONE: 212-675-1000
FACSIMILE: 212-675-1001
CABLE: PERKINS NY
PERKINS COMPANY
INCORPORATED
1000 BROADWAY
NEW YORK, N. Y. 10003
TELEPHONE: 212-675-1000
FACSIMILE: 212-675-1001
CABLE: PERKINS NY

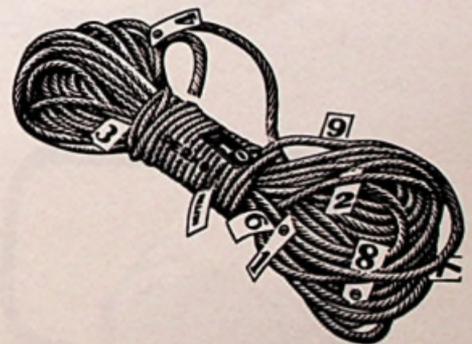
PERKO®

**windows and
portlights**

sinks

lead lines

**bells
fog horns
etc.**



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

FOR COMPLETE LINE SEE CATALOG NO. 240

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 ⁷ / ₈ x 14 ⁷ / ₈	5 ³ / ₈ x 12-7/16	13	5	
2	10 ¹ / ₈ x 19 ¹ / ₄	7 ¹ / ₂ x 16 ¹ / ₂	21	7 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

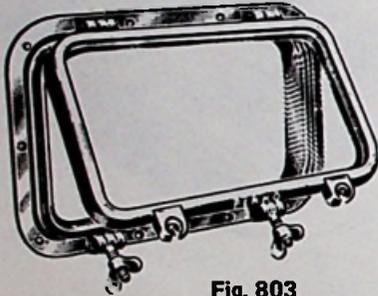


Fig. 803

No.	Size of Opening Inches	Plain Bronze Each	Plain Aluminum Each	Bronze Weight Pounds	Alum. Weight Pounds
1	5 x 12			10 ¹ / ₂	4 ¹ / ₄
2	7 x 16			16	6 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 ¹ / ₂ x 12 ¹ / ₂	7 ¹ / ₄ x 14 ¹ / ₄	1 ¹ / ₂	¹ / ₂
2			7 ¹ / ₂ x 16 ¹ / ₂	9 ¹ / ₄ x 18 ¹ / ₄	2 ¹ / ₄	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.

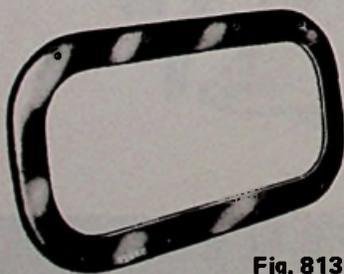


Fig. 813

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

ROUND PORTLIGHTS—Fig. 317

Cast Bronze — Glass Area Is Same Diameter as Opening

All Sizes Are Grooved For Screens

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"

Screen not included, see fig. 442



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.

Screen not included, see Fig. 442



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.



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	



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. 317



Fig. 157



Fig. 838



Fig. 442

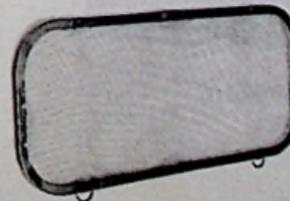


Fig. 814



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.



Fig. 461

RUBBER FOR PORTLIGHTS AND WINDOWS—Fig. 461

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

Supplied only in 10 foot lengths.

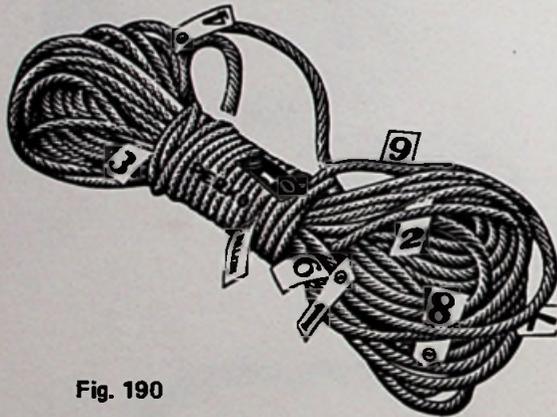


Fig. 190

"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.

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.



Fig. 940

SOUNDING LEADS—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

Finishing frame not required.

Drain fitting not included, see Fig. 586.

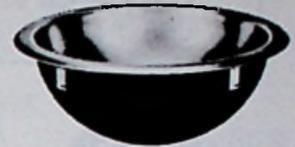


Fig. 391

STAINLESS STEEL SINKS – Fig. 392

Deep Drawn, Seamless Construction –
20 Gauge 18-8 – 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	6-1/2	5
2		14 x 15	17 x 19	7	6-1/2

Finishing frames not required.

Drain fitting not included, see Fig. 357.



Fig. 392

DRAIN FITTINGS – Figs. 357 and 586

Fig. 357 Stainless Steel For use with Fig. 392

Fig. 586 Brass-Chromium Plated For use with 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

Spare Wall Plate, Specify Fig. 166, Chrome.

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



Fig. 795

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. THE 8 AND 10 INCH SIZES ARE FOR USE ON VESSELS UNDER 20 METERS IN LENGTH. THE 12 AND 14 INCH SIZES ARE FOR USE ON ANY SIZE VESSEL.



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.

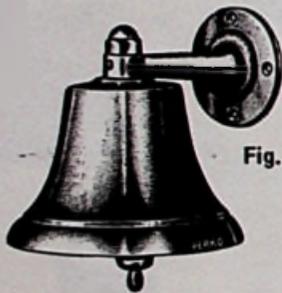


Fig. 158

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.

NEW



Fig. 179

BRASS FOG BELL—Fig. 179

Light Weight — With Stationary Bracket

Bottom Diameter Inches	Plain Brass Each	Height Overall Inches	Weight Pounds
12		8	9

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
*179	179-99A	*179	179-99A	179	144	179	179-99B	179	465 NO. 8
*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

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



Fig. 159-SP

FOG HORNS—Fig. 162

Aluminum – Durable White Baked Enamel Finish –
Nylon Mouthpiece
Lightweight Fog Horn that is attractive and practical

Each	Length Inches	Weight Ounces
	12-1/2	6

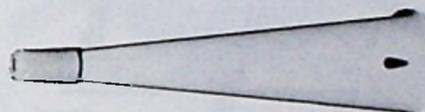


Fig. 162

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	Standard Package	Weight Per Dozen Pounds
	6	1-3/4	10	1



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

Orange Plastic

Each	Length Inches	Width Inches	Standard Package	Weight Per Dozen Ounces
	2-1/4	3/4	10	8



Fig. 349

SKIN PACK – Fig. 349-SP

One Whistle Per Card.
Ten Cards Per Box.
Weight Per Box, 1-1/4 Pounds.
Sold To Trade In Full Box Only.



Fig. 349-SP



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.

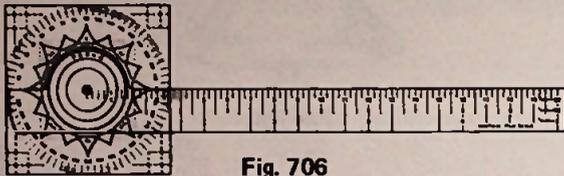


Fig. 706

Each	Extreme Length Inches	Diam. Compass Card Inches
	21-1/2	6-3/8



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.

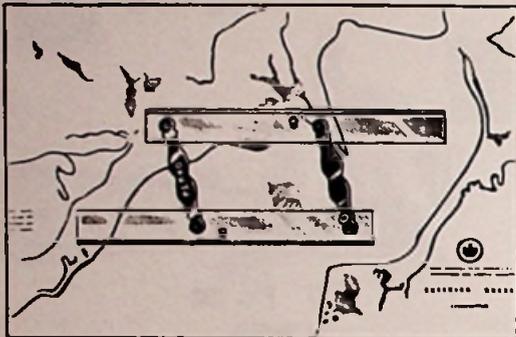


Fig. 630

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



DIVIDERS—Fig. 693

Brass – Chromium Plated – Navy Type

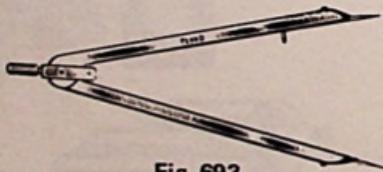


Fig. 693

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.



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
Standard Package, 5 pieces.

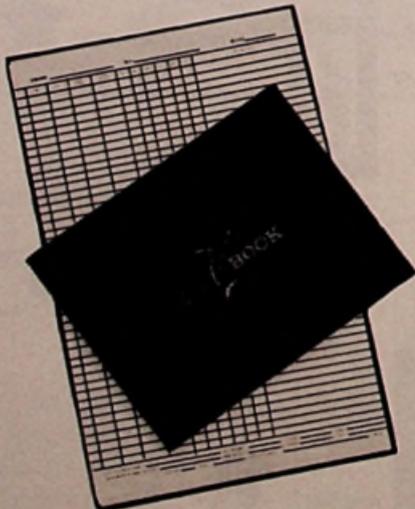


Fig. 708

SECTION H

PERKO®

steering equipment

shaft fittings

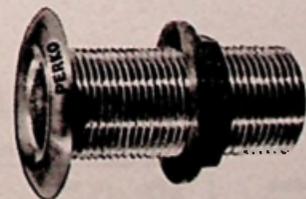
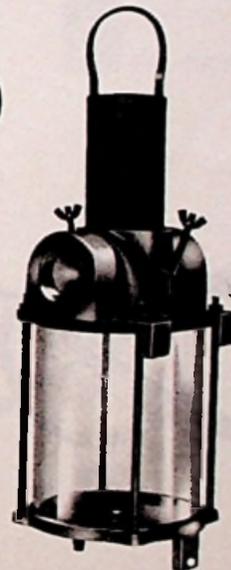
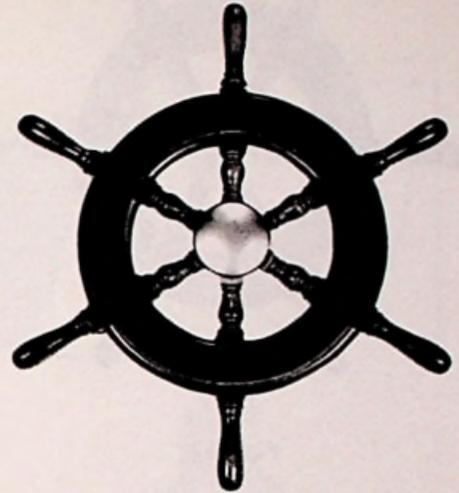
thru hulls

water strainers

fuel filters

underwater fittings

pumps, drainers



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

FOR COMPLETE LINE SEE CATALOG NO. 240

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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	Dimension Inches				Weight Pounds
		A	B	C	D	
5		9	12	1	16	13
7		12	16	1-1/4	18	23

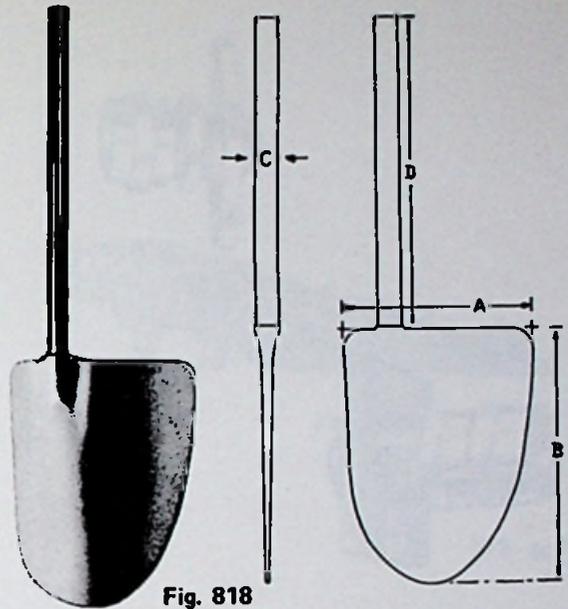


Fig. 818

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

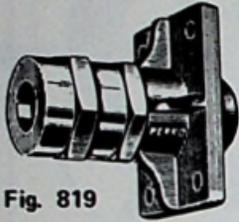


Fig. 819

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 x 4-3/8	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. 734

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. 73



Fig. 79

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
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. 6400

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.

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	11/16	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 — All Bases are spotted for Bolt Holes, 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.



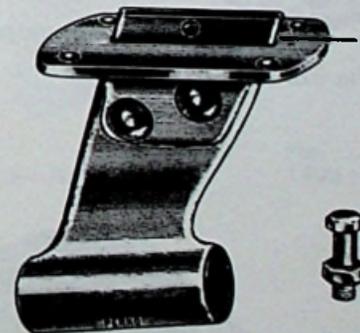
UNIVERSAL STRUTS—Fig. 1055

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
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.

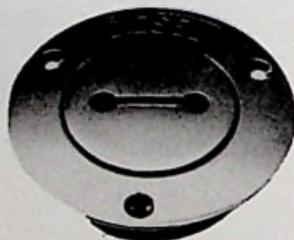


Fig. 528-D

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

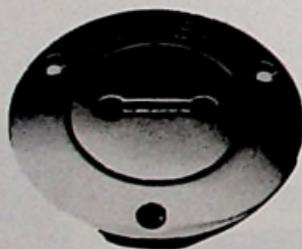


Fig. 528-W

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 6 to 10, Specify Fig. 1248, and Size.

Size 11, Specify Fig. 528-99C Size No. 11.



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 IMPROVED 1300 – 1400 SERIES "CHROMALEX[®]" FILLS

NOW AVAILABLE IN DIFFERENT STYLES ROUND OR SQUARE WITH NEW KEY LOCK OPTION FOR ADDED PROTECTION. FILLS ARE ALSO AVAILABLE MARKED "DIESEL" OR "WATER". FILLS WITH LOCKING CAP HAVE FIVE PIN TUMBLER LOCK DESIGNED FOR MARINE ENVIRONMENT.

All Fills On This Page Meet The Requirements Of The U.S.C.G. Safety Standards, January 31, 1977 For Gasoline Fuel Systems.

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.

1300 SERIES FILLS

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	6

1400 SERIES FILLS

Each	Overall Dimensions Inches	Length Hose Neck Inches	For Hose Inches	For Screw No.	OEM Package	Weight Ounces
	3 x 3	1-5/8	1-1/2	7	50	7



Figs.
1313 – GAS
1328 – DIESEL
1329 – WATER

Figs.
1397 – LOCKING DIESEL
1398 – LOCKING WATER
1399 – LOCKING GAS

LOCKING GAS CAP – Fig. 1324

Black Plastic Cap – Built-in Five Pin Tumbler Lock – Supplied with 2 Keys – Gasket to Prevent Moisture from Entering Tank.

Locking Cap Will Fit all PERKO CHROMALEX[®] Gas Fills. Figs. 1313, 1413 and 1513 Already in Use.

Each	Standard Package	Weight Ounces
	5	3

Spare Non-Locking Cap – Specify Fig. 126

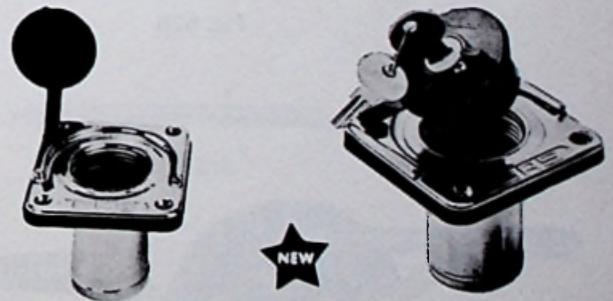


Fig.
1413 – GAS

Fig.
1499 – LOCKING GAS



Fig.
1324

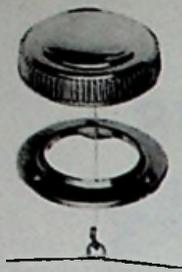


Fig. 1245

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. 1270



★
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"

Fig. 1270 No. 1D marked "DIESEL"

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, C and D 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. 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				5-3/8	2
4				7-1/16	2-1/4
5				8-3/8	4-3/4
6				9-3/8	6-1/2
8		N.A.		10-1/4	7

Keys Only, Specify Fig. 539 and Size.

Spare Caps, Specify Fig. 526, 99A Size and Finish.

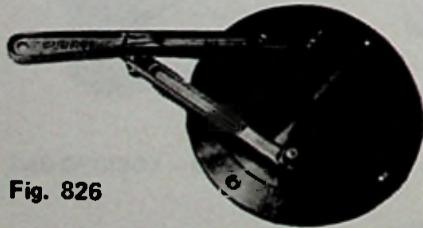


Fig. 826



Fig. 826-SP



★
DECK PLATE KEY—Fig. 826

Die Cast Zinc Alloy — Chromium Plated

Heavy Duty with Extra-Sturdy pins that have been increased in size from previous models.

Will fit all sizes of deck plates up to 8 inch diameter.

Each	Length Overall Inches	Standard Package	Weight Ounces
	8-1/2	5	9-1/2

★
SKIN PACK—Fig. 826SP

One Key Per Card.

Six Cards Per Box.

Weight Per Box, 4 Pounds.

Sold to Trade In Full Box Only.

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



Fig. 1248

*Corresponds with Size of Deck Plate.

Note: Above Keys Fit Figs. 524, 528 and 1270.

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.

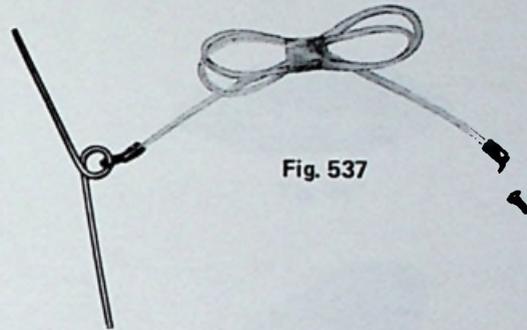


Fig. 537

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.

Each	Length Inches	Diam. Stem Inches	Standard Package	Weight Ounces
	4-7/8	3/8	5	2



Fig. 692

BOWDEN WIRE AND CASING—Fig. 353

Brass – 1/4 Inch O.D. Casing – Left Hand Lay – Wire Diameter .072 Inches

50 FOOT LENGTHS ONLY

- No. 1 Casing only per length
- No. 2 Wire only, per length

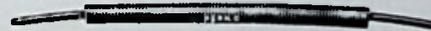


Fig. 353

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.

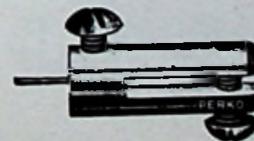


Fig. 679

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



Fig. 352

STEERER AND CONTROL PARTS—Fig. 865

Cast Bronze – Plain



1. Lever



2. Clevis

Fig. 865

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-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

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-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	

*Nos. 1-A, 1-C Are Of Heavy Construction Like No. 1, And With Three Pin Holes.



ELECTROLYSIS COLLARS—Fig. 252

FOR SHAFT

Streamlined Zinc Die Casting – Precision Made And Balanced –

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.

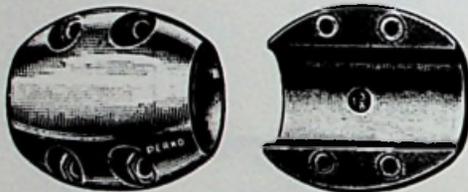


Fig. 252

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



ELECTROLYSIS COLLARS—Fig. 253

FOR SHAFT

Zinc Die Castings – Heavy Duty Commercial Type –



Fig. 253

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



ELECTROLYSIS ELIMINATORS—Fig. 407

FOR RUDDERS

Smooth Zinc Die Castings –

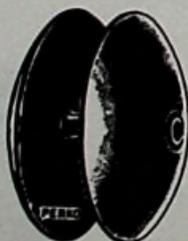


Fig. 407

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

ALL ABOVE ZINCS EXCEPT FIG. 253 IN STANDARD OR BULK PACKAGES ONLY. NO BROKEN PACKAGES.

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.



Fig. 244

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

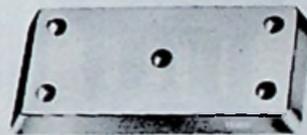


Fig. 345

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

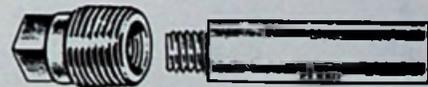


Fig. 254

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	3/8	3-3/4
2		6-1/4	3-1/8	1/2	5-1/2

No. 1 Element is 1-3/4" O.D. x 1-3/4 long.
No. 2 Element is 2-1/4" O.D. x 2" long.

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.

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.

Transparent Moulded High Impact Plastic Cylinder

Bottom Is Same Bronze Alloy As Top.

Brass Drain Plug.

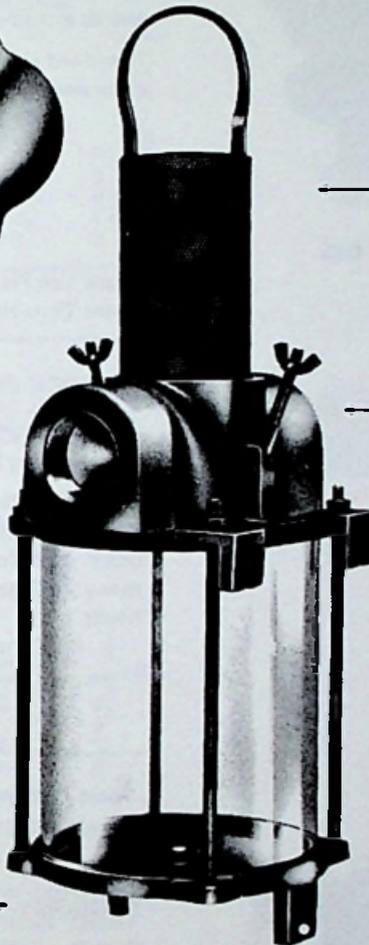


Fig. 493 – STANDARD TYPE

No.	Complete Each	Pipe Size Inches	Size Cylinder Inches	Approx. Height Inches	Approx. Width Overall Inches	Approx. Weight Pounds
3		3/8	2-3/4 x 2-1/2	4-1/4	3-1/4	2-1/2
4		1/2	3-1/2 x 4	5-3/4	4-1/2	5
5		3/4	3-1/2 x 6	8-3/8	4-1/2	5
6		1	4-1/2 x 5-1/2	9-1/2	5-1/2	8
7		1-1/4	4-1/2 x 6	10	5-1/2	8
8		1-1/2	6 x 8	11-1/2	7	14
9		2	6 x 12	16	7-1/4	18
10		2-1/2	6 x 12	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		

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.



Fig. 834

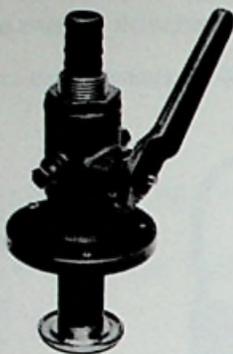


Fig. 835



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.



Fig. 805

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

Spare Packing Kit—Includes 2-Seals & 2 "O" Rings—Specify 805-99A and size.



ECONOMY SEACOCKS — Figs. 821 & 823

Cast Bronze With Drain Plug, Thru Hull and Tail Piece.

Improved design now features ball valve for smooth operation.



Fig. 821



Fig. 823



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.

Improved design now features ball valve for smooth operation.



Fig. 825



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



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



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



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



All Fittings Shown on This Page Have Been Tested and Accepted For Labeling and Listed by the Underwriters Laboratories, Inc.



Fig. 322

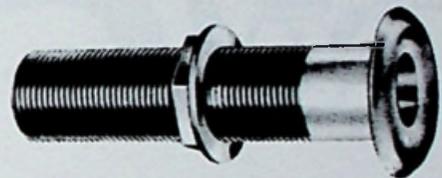


Fig. 348

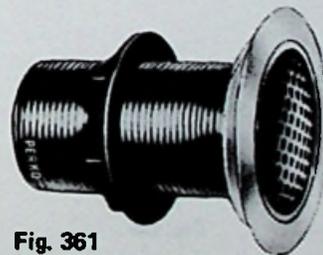


Fig. 361

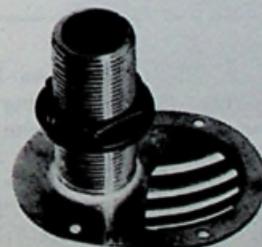


Fig. 65

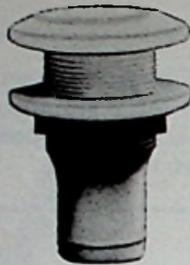


Fig. 301

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

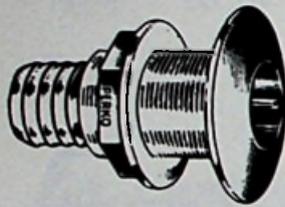


Fig. 350

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.

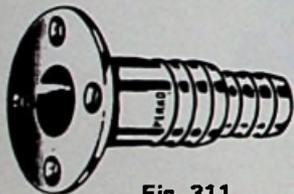


Fig. 311

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



Fig. 66

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.



Fig. 86

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



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

This item meets the requirements of U.S.C.G. Safety Standards January 31, 1977, for Gasoline Fuel Systems.



Fig. 76

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

This item meets the requirements of U.S.C.G. Safety Standards, January 31, 1977, for Gasoline Fuel Systems.



Fig. 63

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

Size Nos. 3 to 7 inc. are Pressure Cast.
Balance are Sand Cast.



Fig. 75

EXHAUST FITTING—Fig. 755

Cast Bronze — With "No Stain" Collar — For Hose

The outside diameter of the neck is for 1-1/2 inch hose which fits over 1-1/2 inch pipe.

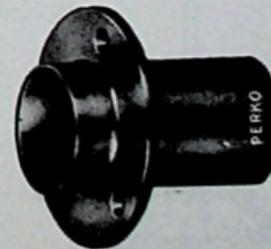


Fig. 755

Plain Each	With Collar Each	Length Overall Inches	Inside Diameter Inches	Diameter Flange Inches	Weight Pounds
		3-1/4	1-9/16	3-1/2	1-1/8

Discontinued

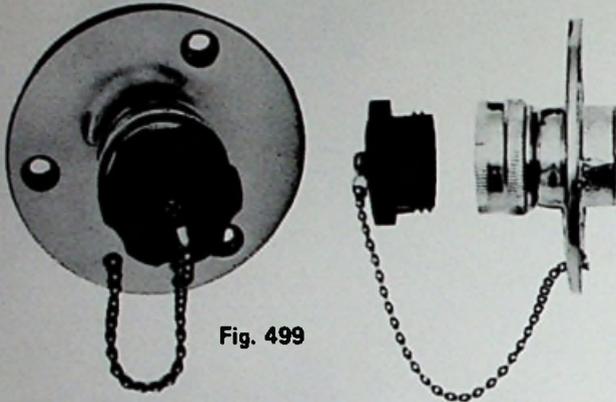


Fig. 499

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. 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.

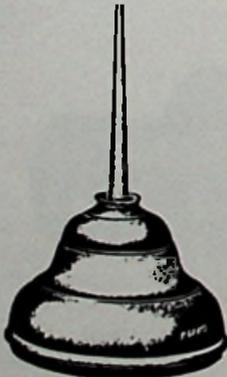


Fig. 326

ZINC MARINE OILERS—Fig. 326

Spring Brass Bottom

Complete Each	Capacity Ounces	Diam. Inches	Length Spout Inches	Weight Ounces
	4	4	4	4

Standard Package, 10 Pieces. Minimum Quantity.

Spare Spouts, Specify Fig. 326-99 A.

"Discontinued"

NEW COCKPIT SCUPPER — Fig. 285

Molded Durable White Plastic — For Use with 1-1/2" I.D. Hose.

Designed for fast removal of water in cockpits and on decks. Features molded plastic insert that prevents large objects from entering without restricting water flow.

Each	Dia. Flange	Dia. Opening	Weight Ounces
	2-3/4	1-1/2	5

Standard Package, 5 Pieces



Fig. 285



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

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

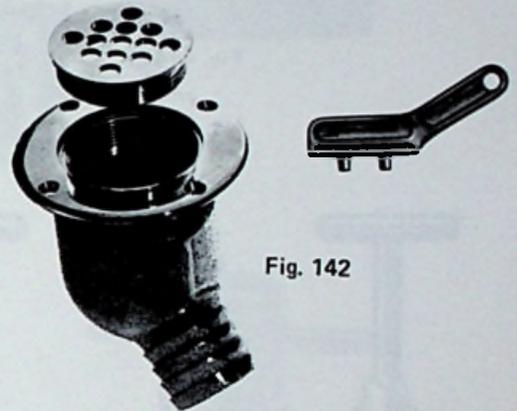


Fig. 142

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

Standard Package, 5 Pieces.



Fig. 709

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

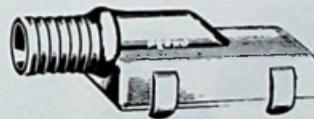


Fig. 704

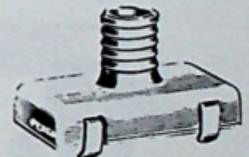


Fig. 705



Fig. 721



Fig. 722

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.

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

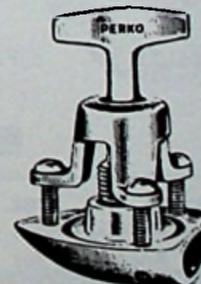


Fig. 386



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

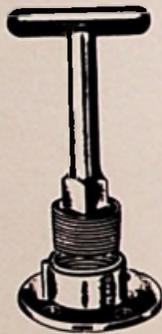


Fig. 266

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, fiberglass 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

All Fittings on this page (Except Fig. 414) Have Been Tested and Accepted for Labeling and Listed by the Underwriters Laboratories Inc.



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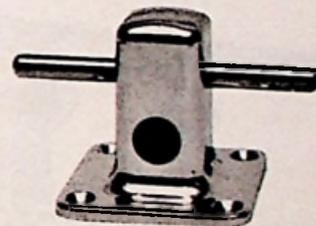
**deck
equipment**

cleats & chocks

**chromalex®
deck fittings**

bow eyes

**transom handles
pulleys, etc.**

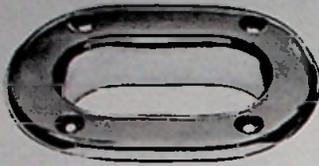


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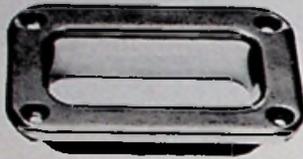
IMPROVED

Fig. 752

HAWSE HOLE PLATE—Fig. 752
IMPROVED LOW PROFILE—MODERN DESIGN
Cast Bronze

Generally used in the covering board or gunwale deck for passing a dock line to a cleat under the deck.

Plain Bronze Each	Chromium Plated Each	Dimensions Overall Inches	Dimensions Inside Inches	Length Spigot Inches	Weight Pounds
		4-1/8x6	2-1/4x4-1/8	1-1/16	1-1/2



NEW

Fig. 1250

HAWSE HOLE PLATE—Fig. 1250
New Modern Design.
Die Cast Zinc Alloy-Chromium Plated

EACH	Dimensions Overall Inches	Dimensions Inside Inches	Length Spigot Inches	Weight Ounces
	3-3/8x5-3/8	2-1/8x4-1/8	1-1/8	12-1/2



Fig. 1252

"SLIMLINE" CLEATS — 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

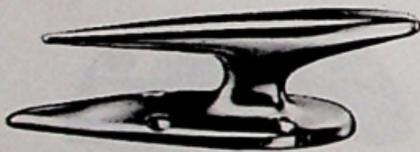


Fig. 566

STREAMLINE CLEATS — 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



Fig. 566 SP

SKIN PACK — 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

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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

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★

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
6		1-3/4	1/4-20 x 2	10	8
8		2	1/4-20 x 2	5	12-1/2

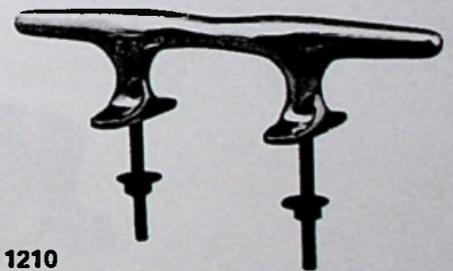


Fig. 1210

★

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 x2-1/4	1/2	1-1/8
10		4-1/2x3	1/2	1-3/4
12		6-1/2x2-7/8	5/8	3-1/2
15		7 x3-1/4	3/4	4-7/8



Fig. 530

BOAT CLEATS—Fig. 544

Cast Bronze — Polished or Chromium Plated



Fig. 544



Length Inches	Polished Bronze Each	Chrom ^e 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	2-1/8

*These sizes are solid base type.

Balance of sizes are open base type.



Fig. 544-SP

SKIN PACK — Fig. 544-SP

Length Overall 4" — Chromium Plated

One Cleat Per Card,

Six Cards Per Box,

Weight Per Box, 2½ Pounds.

Sold To Trade In Full Box Only



Fig. 545



BOAT CLEATS — Fig. 545

Pressure Cast Aluminum — Plain Finish

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

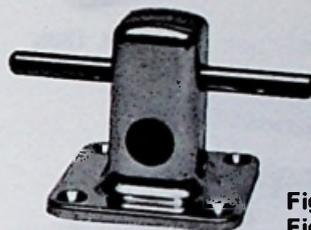
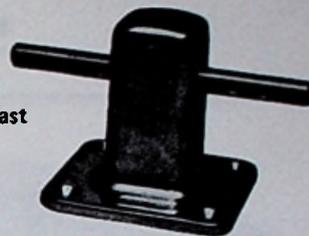


Fig. 431 — Bronze
 Fig. 1237 — Die Cast



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

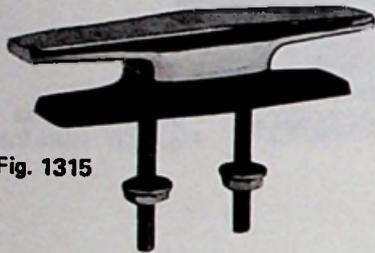


Fig. 1315



Fig. 1305-SP



Fig. 1306

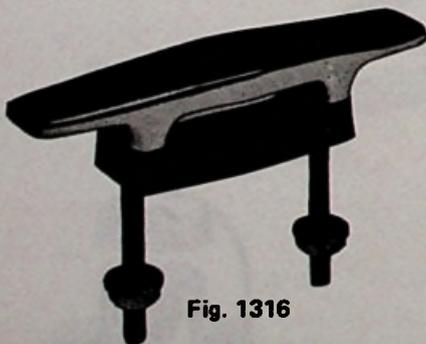


Fig. 1316



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	3-3/4	1-1/16	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	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

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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	2-1/2	1-1/16	3/8	5
2			6	3-1/4	1-3/8	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

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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

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

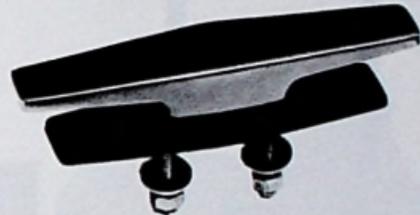


Fig. 1415

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

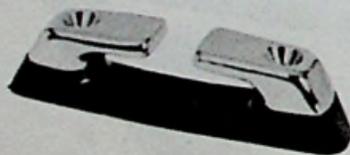


Fig. 1308

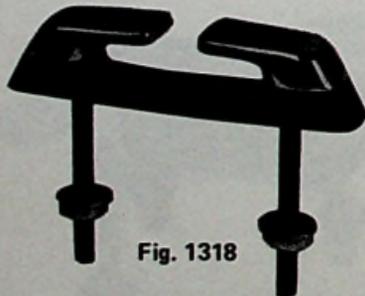


Fig. 1318



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 No. 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

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

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.

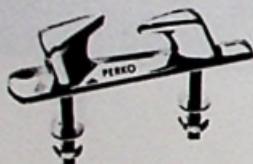


Fig. 1257

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. 546



Fig. 1223-SP



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.

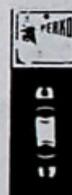


Fig. 119-SP



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	10 Pr	6

O.E.M. Package, 50 pr.



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.

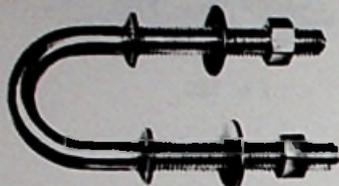


Fig. 237

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.



Fig. 237-SP

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.

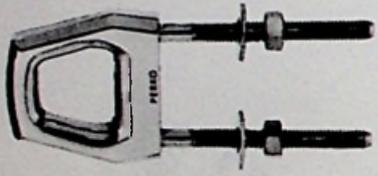


Fig. 1235

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**

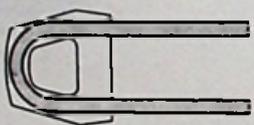


Fig. 1235-SP

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.

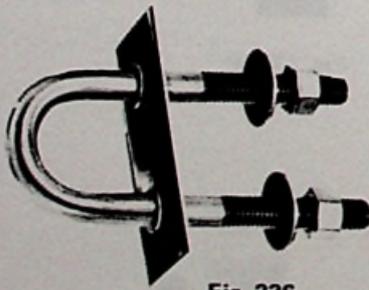


Fig. 236

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

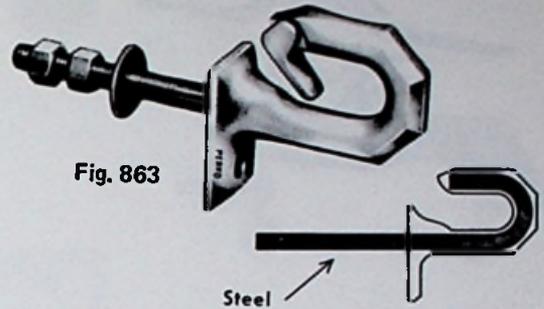


Fig. 863

SKIN PACK — Fig. 863-SP

One Per Card.

Six Cards Per Box.

Weight Per Box, 3½ 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	

Standard Package 10

Standard Package 5



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



IMPROVED ANCHOR CHOCKS—Fig. 933

Cast Bronze

This new designed set is more streamlined, easier to install and fits Danforth® type Anchors up to 90 pounds.*

Consists of four parts illustrated. Head of shank is held fast by slotted casting and thumb screw.

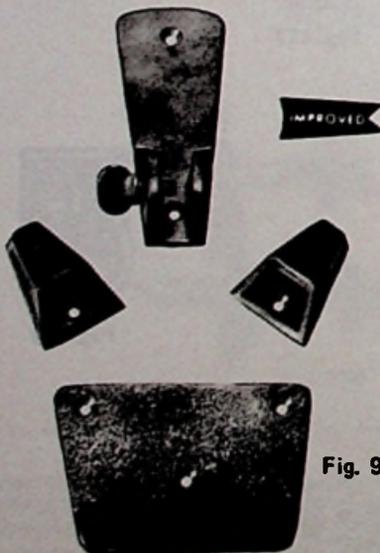


Fig. 933

Figure	Plain Bronze	Plain Chromium Plated
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.		

Weight per set, 2 pounds.

Standard package, 5-sets.

*Except 40-S, 65S, and 85-S Danforth's®

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

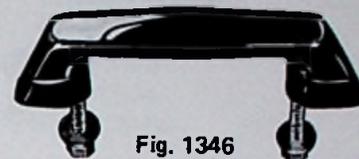


Fig. 1346

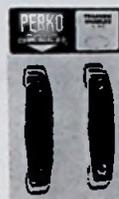


Fig. 1336-SP

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

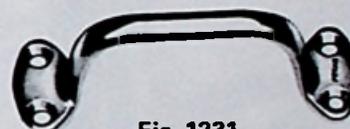


Fig. 1231

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

Standard Package, 10 Pieces Each Size.



Fig. 775 – Bronze

Fig. 1222 – Die Cast

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. 1526



Fig. 1526-SP



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

SKIN PACK—Fig. 1526-SP

No.	Per Pair	Overall Dimensions Inches	For Screw No.	Units Per Card	Cards Per Box	Weight Per Box Pounds
1		9-7/8x2-7/8	8	1 Pr.	6	3-1/2

Sold to Trade In Full Box Only.



Fig. 1325



Fig. 1325-SP

"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.



Fig. 1225

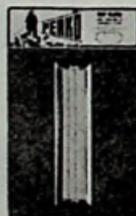


Fig. 1225-SP

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

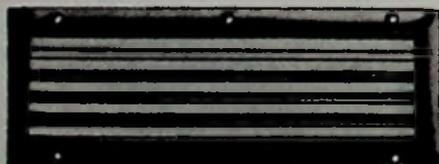


Fig. 1043

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 Per Set 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



Fig. 1050-B – Black
Fig. 1050-T – Teak
Fig. 1050-W – White



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.

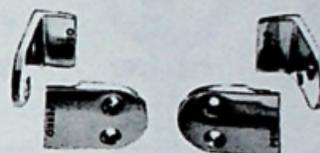


Fig. 669



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.

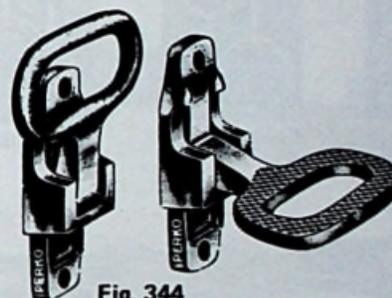


Fig. 344

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.

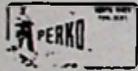


Fig. 1227-SP

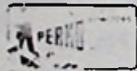


Fig. 1267-SP

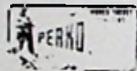


Fig. 1262-SP

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.

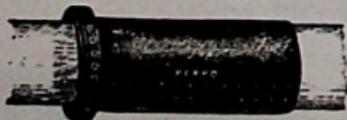


Fig. 233

OWR 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.

NOTE, Combinations of Above Sockets and Horns Are Available In Skin Pack. See Skin Pack Section L.

BRONZE ROWLOCK HORNS AND SOCKETS CAST MANGANESE BRONZE – BURNISHED

HORNS ONLY

Straight Shanks

Figs. – 828, 829 & 830

Fig. No.	Size	Between Horns Inches	Inside Diam. Inches	Diam. Shank Inches	Length Shank Inches	Weight Per Pair Ounces
828		2	—	1/2	2-1/8	13
829	0	—	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

Standard Package, 5 Pair.

Spare Pins, Specify Fig. 830-99A, Standard Package, 10.



Fig. 828



Fig. 829

Fig. 830

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

Standard Package, 5 Pair.



Fig. 831



Fig. 832



Fig. 833

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.

Per Pair	Length Overall Inches	Inside Diameter Inches	Weight Per Pair Ounces	Standard Package
	3-1/2	1-7/8	2-3/4	10 Pr.



Fig. 1224

SKIN PACK – Fig. 1224-SP

One Pair Per Card.

Twelve Cards Per Box.

Weight Per Box, 3 3/4 Pounds.

Sold To Trade In Full Box Only.



Fig. 1224-SP



Fig. 1337



Fig. 1347



Fig. 1339



End View

“CHROMALEX®” GRAB RAILS

Die Cast Zinc Alloy – Chromium Plated

Black Plastic Base

Anodized Aluminum Tubing

Fig. 1337 is for 1/4" Screws or Bolts.

Fig. 1347 has 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
1347		1-3/8	1-3/8 x 1-1/16	4

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

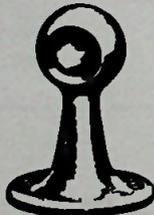


Fig. 380 End Posts

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°

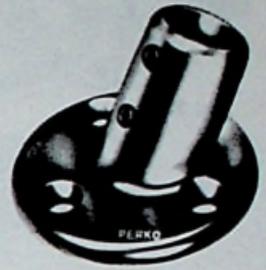


Fig. 992

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

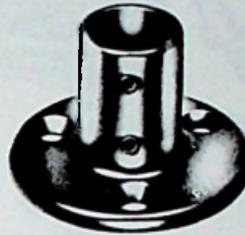


Fig. 973

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°

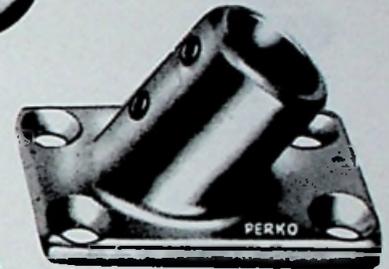


Fig. 981

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

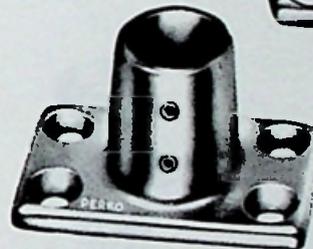


Fig. 977

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.

ILLUSTRATION IS STARBOARD SIDE



Fig. 990

STRAIGHT TEE—Fig. 989

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

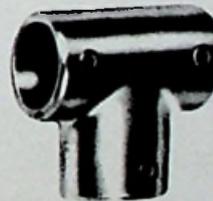


Fig. 989

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

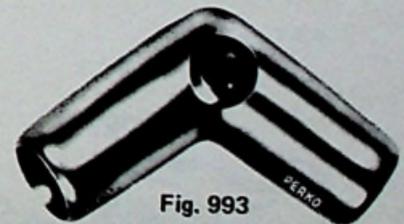


Fig. 993

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

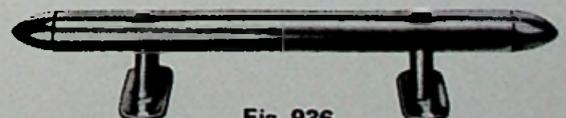


Fig. 936

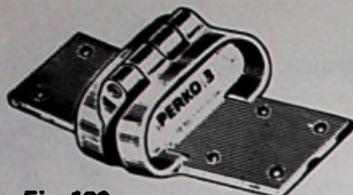


Fig. 180



Fig. 185



Bow

Fig. 218



Stern

Fig. 219



Bow

Fig. 220



Stern

Fig. 221

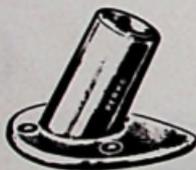


Fig. 343 Stern

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



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.

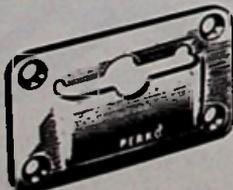


Fig. 148



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 1/4 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 1/4 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

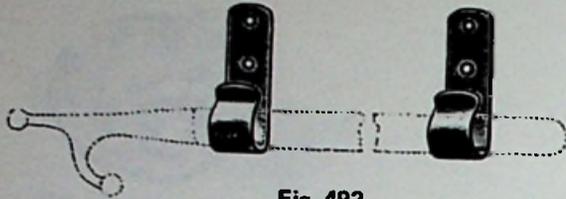


Fig. 492

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.

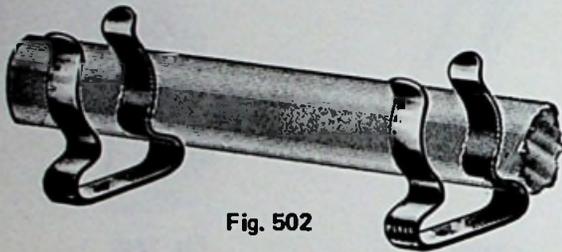


Fig. 502

“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.

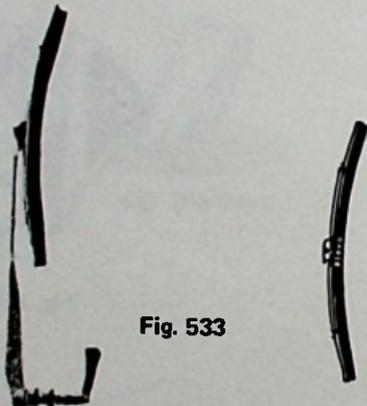


Fig. 533

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 1/2 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

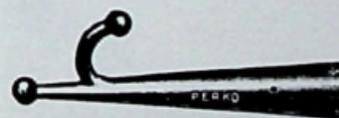


Fig. 224

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.

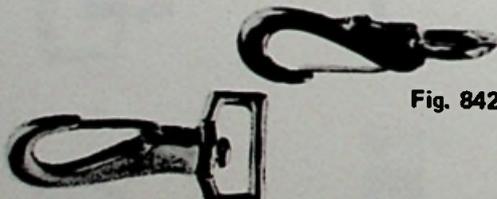


Fig. 842

FAST EYE BABY SNAPS—Fig. 842

Cast Bronze

Fig. 842	Each	Size of Eye Inches	Length Inches	Standard Package	Weight Ounces
		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

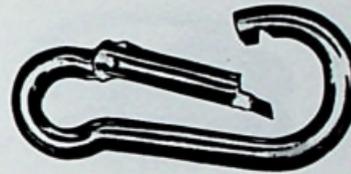


Fig. 614

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

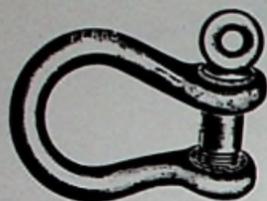


Fig. 314

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



WIRE ROPE THIMBLES—Fig. 466
Zinc Plated, Or Stainless Steel



Fig. 466

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



WIRE ROPE CLIPS—Fig. 333
Malleable Iron Saddle – Steel U-Bolt And Nuts



Fig. 333

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.



PETITE TURNBUCKLES—Fig. 396
Bronze – S.A.E. Threads – Eye and Eye
Designed for Light Duty Applications



Fig. 396

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 Ounces Each
00		1/32	5	2	5
0		1/16	5-5/8	2-1/2	6-1/2
1		1/8	5-7/8	2-1/4	7



Fig. 307

Standard Package, 10 Pieces.

SAIL MAKERS PALMS—Fig. 411

Hide Mounted — Right Hand Only

Each	Standard Package	Weight Ounces
	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 Ounces Each
0		12x1-3/4	2	4-1/2
1		14x1-3/4	2	6-1/2
2		16x2	2	8
3		18x2	2	8-1/2
4		20x2-1/4	2	14



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
4	5/16-18				5/8	5/8
8	1/2 -13				1	1
9	5/8 -11				1-1/8	1-3/16



Fig. 465

Standard Package, Sizes 1 thru 4, 10 Pcs. 8 and 9, 5 Pcs.

BRASS WING NUTS—Fig. 453

U.S.S. Thread—Plain Brass

No.	Each	For Diam. Bolt Inches	Threads Per Inch	No.	Each	For Diam. Bolt Inches	Threads Per Inch
				4		3/8	16
				5		1/2	13
2		1/4	20				



Fig. 453

Standard Package, Size 2, 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.

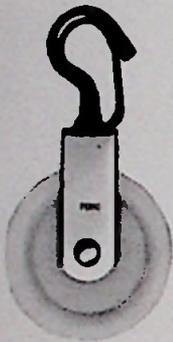


Fig. 634



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, 5½ 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



Fig. 1256



Fig. 1261

TILLER ROPE GUIDES—Figs. 1256 & 1261
 Die Cast Zinc Alloy — Chromium Plated

Each	Size Hole Inches	Size Base Inches	For Screw No.	Weight Ounces	Standard Package
	5/16	1-1/4x3/4	6	1/2	25



Fig. 1243

TILLER ROPE GUIDES—Fig. 1243
 Die Cast Zinc Alloy — Chromium Plated

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	10	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

Sold To Trade In Full Box Only.



Fig. 732-SP

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. 562



Fig. 1242

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 Ooz. 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 Ooz. 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

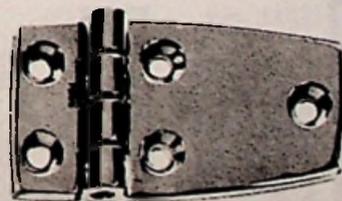
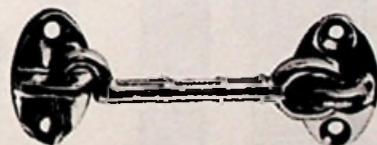
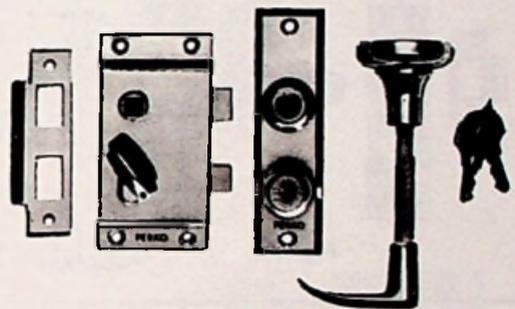
Fig. 279 Single

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.

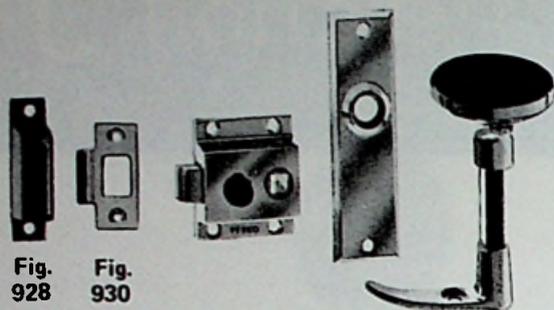


Fig. 928

Fig. 930

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.

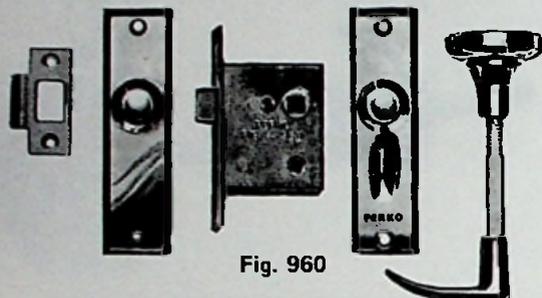


Fig. 960

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.

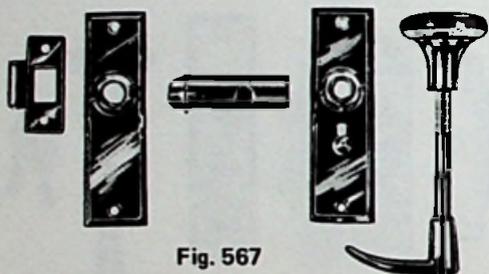


Fig. 567

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.

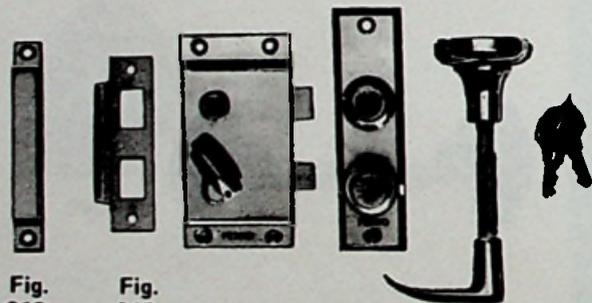


Fig. 918

Fig. 919

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.

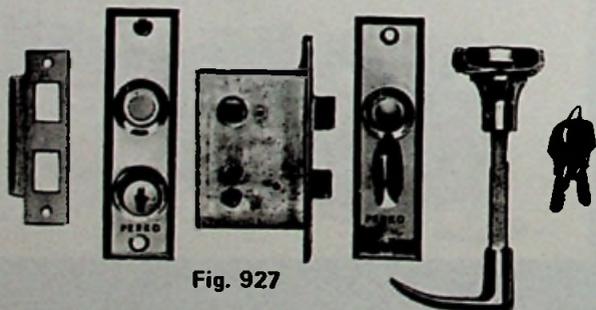


Fig. 927

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

 Figs. 918, 919, 928 AND 930 ARE AVAILABLE IN DISPLAY PACK, SEE SECTION "L".

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

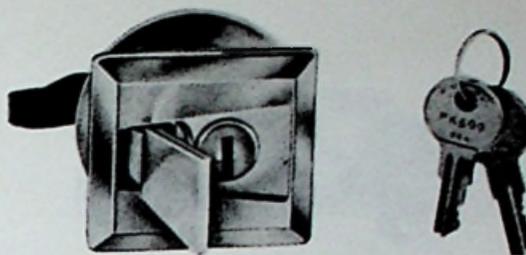


Fig. 921

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
	1-1/2 x 2-1/4	6

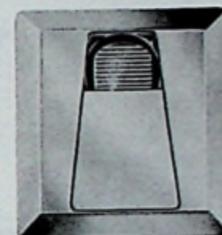


Fig. 922

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
	2-1/8 x 1-3/4	5

Standard Package, 5 Pieces.

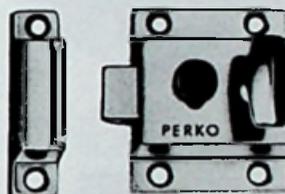


Fig. 948

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
	2-1/8 x 1-3/4	5

Standard Package, 5 Pieces.

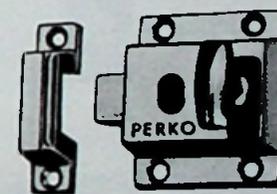


Fig. 978

CUPBOARD CATCHES—Fig. 1102

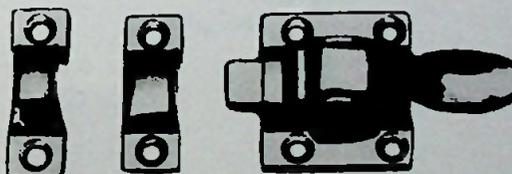
Die Cast Zinc Alloy — Chromium Plated

NO.	Each	Dimensions Without Strike Inches	Weight Ounces
1		1-1/2 x 1-3/8	3-1/2
2		1-1/2 x 1-3/8	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.

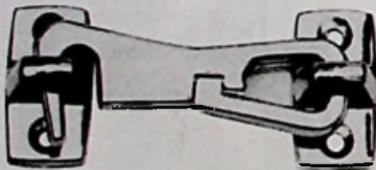


Fig. 1287

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

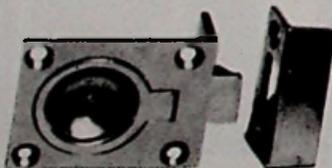


Fig. 1051

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 & 1217

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. 1217		1-11/16	1-3/16	10	1-1/2

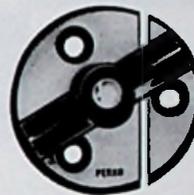


Fig. 1216
With Spring



Fig. 1217
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.

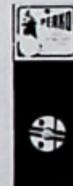


Fig. 1216 SP

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.

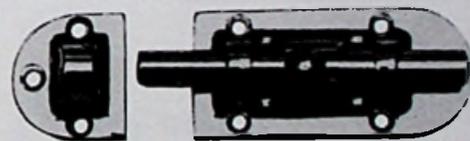


Fig. 947

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

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



Fig 1056

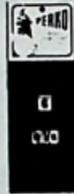
ELBOW CATCHES—Fig. 1056

Die Cast Zinc Alloy – Chromium Plated

Each	Size Base Inches	Standard Package	Weight Ounces
	1-1/8x9/16	10	3/4



Fig. 1056-SP



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.

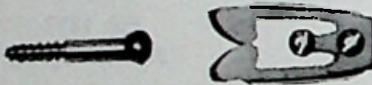


Fig 554

“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

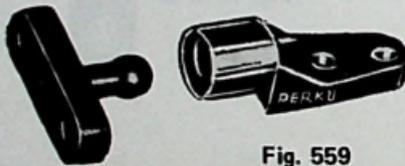


Fig. 559

“POLYDEL” DOOR CATCHES—Fig. 559

Black – 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.



Fig. 559-SP

IMPROVED – SPRING LOADED

FLUSH PULL—Fig 1221

Supplied with a Black Plastic Finishing Flange
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. Mounted vertically can be used as a concealed coat hangar hook.

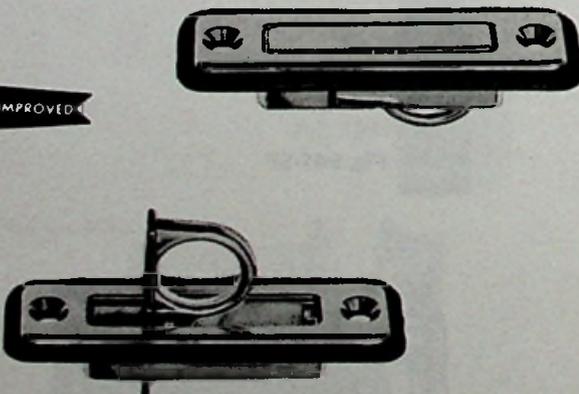


Fig. 1221

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

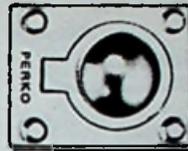


Fig. 841

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

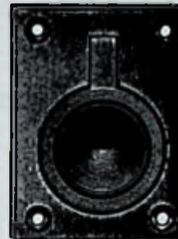


Fig. 1103



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



Fig. 575-SP

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

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

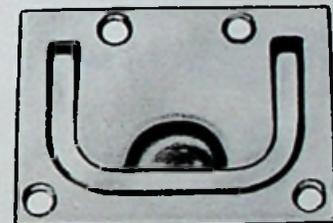


Fig. 1220

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 x2-1/4	1-7/8 x1	3-1/2
2			3-3/4x2-3/4	2-3/16x1-3/16	5-1/2

Size No. 1 Same Appearance as Fig. 1220

Illustration is Size No. 2

Standard Package, 5 Pieces.

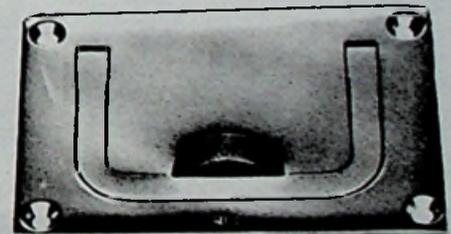


Fig. 776

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

WINDSHIELD ADJUSTERS—Figs. 1290 & 1291

Die Cast Zinc Alloy — Chromium Plated

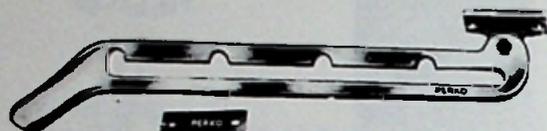
Per Pair	Length Overall Inches	Length Adjustment Inches	Diam. Knob Inches	Weight Per Pair Pounds
	12	9-1/2	1-3/4	1-1/2

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



Port Side
Fig. 82

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

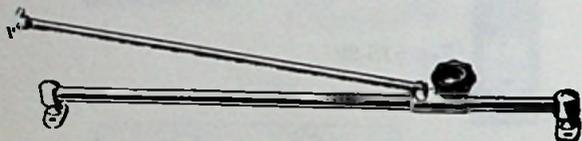


Fig. 360

"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.



Fig. 1179

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.

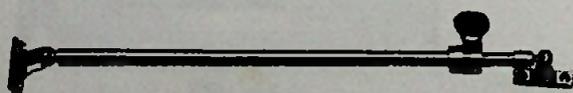


Fig. 1180

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.

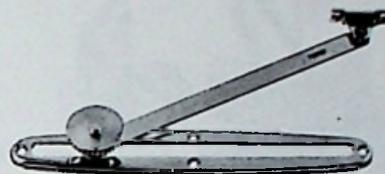


Fig. 797

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

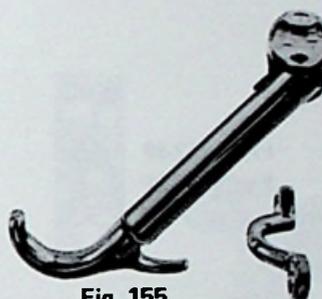


Fig. 155

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

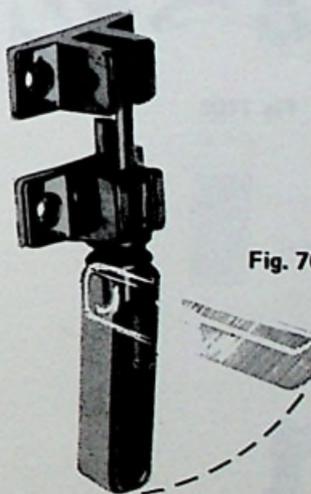


Fig. 769



Fig. 769SP

SKIN PACK — Fig. 769-SP

One Per Card

Five Cards Per Box

Weight Per Box, 1-1/2 Pounds

Sold To Trade In Full Box Only



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. 967

Fig. 1112

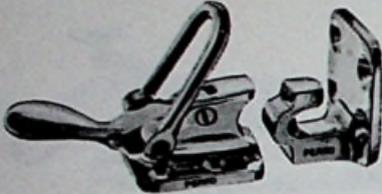


Fig. 1113

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

Illustration Shows Left Hand.



SASH OR HATCH FASTENERS—Fig. 770

Pressure Cast Bronze — Stainless Steel Pin

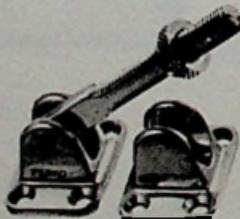


Fig. 770

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 and Size.

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

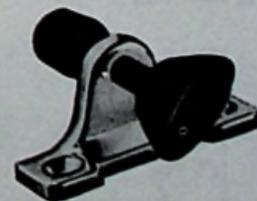


Fig. 934

*Between Knob and Tip

Spare Knobs, Specify Fig. 943

Spare Plastic Tips, Specify Fig. 944.

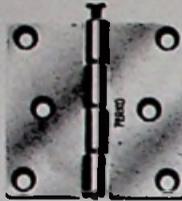


Fig. 1293

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

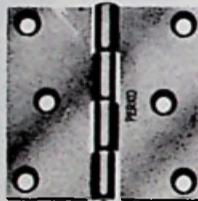


Fig. 949

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
4-7/8		1-7/8	10	5

Dimension "A" to Center of Pin 2"

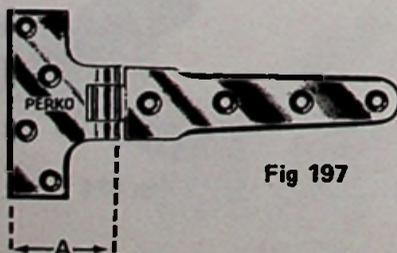


Fig. 197

"T" HINGES—Fig. 197

Cast Bronze – Stainless Steel Pin

No.	Burnished Per Pair	Chromium Plated Per Pair	Length Open 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, 2 3/4 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.

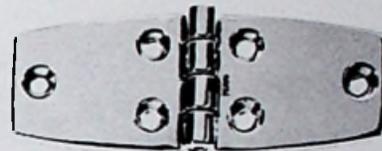


Fig. 951

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.

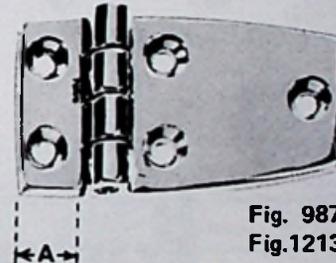


Fig. 987 — Bronze
Fig. 1213 — Die Cast

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.

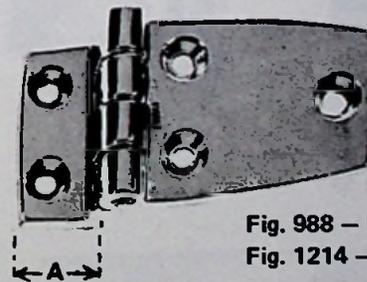


Fig. 988 — Bronze
Fig. 1214 — Die Cast

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.

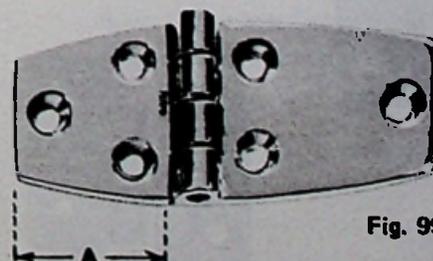


Fig. 999

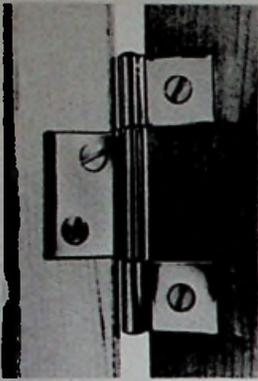


Fig. 957



Fig. 924



Fig. 924-SP

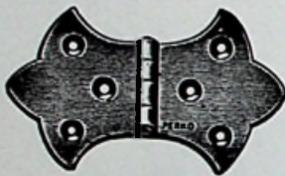


Fig. 1058



Fig. 929

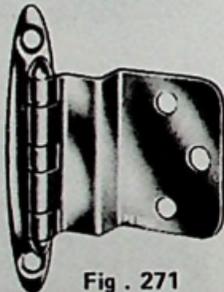


Fig. 271



Fig. 271-SP

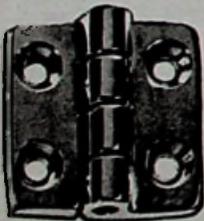


Fig. 941

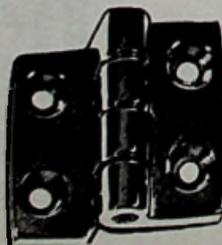


Fig. 942

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 —

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.	Plain Brass Per Pair	Chromium Plated Per Pair
1		
2		

No.	Length Open Inches	Width at Pin Inches	Thickness Inches	Standard Package	Weight Per Pair Ounces
1	2-1/4	3/4	.040	10 Pairs	1/2
2	3	1-1/16	.045	10 Pairs	1-1/2

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

SKIN PACK — Fig. 271-SP

One Pair Per Card
Ten Cards Per Box
Weight Per Box, 2 Pounds
Sold To Trade In Full Box Only

HEAVY DUTY CABINET HINGES — Fig. 941

Die Cast Zinc Alloy — Chromium Plated with Stainless Steel Pin — Surface Type

Per Pair	Size Open Inches	Dimension "A"	For Screw No.	Standard Package	Weight Per Pair Ounces
	1-1/2x1-1/2	1/2"	8	5 Prs.	2-1/4

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	Dimension "A"	For Screw No.	Standard Package	Weight Per Pair Ounces
	1-1/2x1-1/2	9/16"	8	5 Prs.	2-1/2

"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

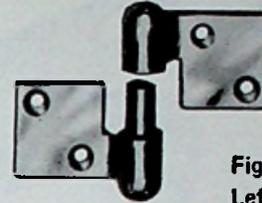


Fig. 149
Left Hand

"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

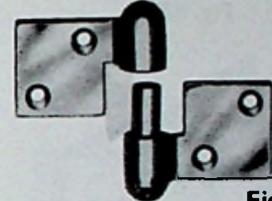


Fig. 152
Right Hand

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. 302, 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.

NEW



Fig. 926



Fig. 926SP



Fig. 938



Fig. 925



Fig. 958

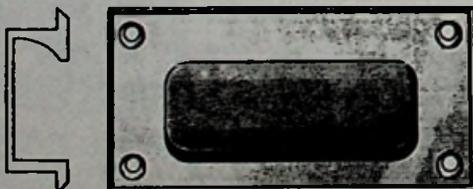


Fig. 1110

DRAWER KNOBS – Fig. 926

Die Cast Zinc Alloy – Chromium Plated
Black or Teak Insert – Supplied With Stainless Steel 1-1/4" Screw. For Drawers up to 1-1/8" Thick.

No.	EACH	Diameter	Standard Package	Weight Ounces Each
T O Teak		1-1/8	10	3/4
B O Black		1-1/8	10	3/4
T 1 Teak		1-1/2	10	1
B 1 Black		1-1/2	10	1

Specify Size and Color of Insert



SKIN PACK – Fig. 926B No. O SP

Two Knobs Per Card
Ten Cards Per Box
Weight Per Box, 1-1/2 Pounds
Sold To Trade In Full Box Only



NEW

DRAWER PULL AND LATCH ASSEMBLY – Fig. 938

Die Cast Zinc Alloy Chromium Plated Knob
Black Insert in Knob – Brass Stem
Black Plastic Adjustable Lever Arm and Stops. For Wood Thickness up to 1-1/2"

Each	Diameter Knob	Standard Package	Weight Ounces Each
	1-1/2	5	2



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



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



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.

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

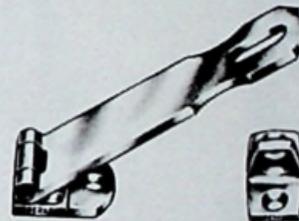


Fig. 1198

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.

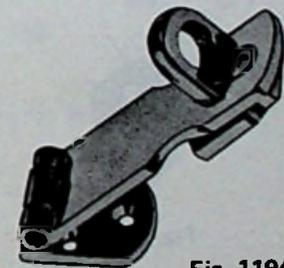


Fig. 1194

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

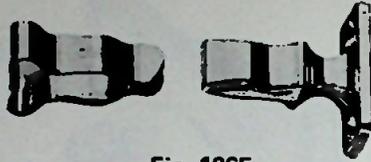


Fig. 1065



Fig. 1177

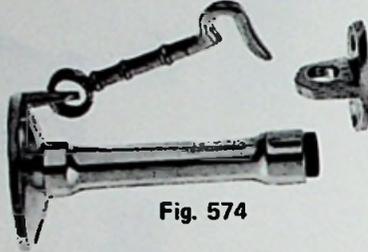


Fig. 574



Fig. 719



Fig. 975



Fig. 610



Fig. 610-SP



Fig. 1106

DOOR HOLDERS—Fig. 1065

Stainless Steel Clip — Chromium Plated Arrow

Per Set	Base of Arrow Inches	Base of Clip Inches	Projection Inches	Standard Package	Weight Ounces
	1-5/8x3/4	1-3/8x7/16	1-3/4	5 Sets	2

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

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

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.

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

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.

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	



Button
Fig. 896



Eyelet
Fig. 907



STUD
For Canvas
Fig. 901



Socket
Fig. 898



STUD
With Wood Screw
Fig. 900



STUD
With Tapping Screw
Fig. 906

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. 118.

Fig.	Per 100
60	
62	
90	
114	
115	
116	
118	



STUD
With Wood Screw
Single Fig. 114
Double Fig. 115



STUD
With Tapping Screw
Single Fig. 90



Clinch Stud
Single Fig. 60



Clinch Washer
Fig. 62



SOCKET
Single Fig. 116



Clinch
Plate
Fig. 118

Standard Package, 100 Pieces, Minimum, No Broken Packages.

ALL BRASS CURTAIN FASTENERS

Nickel Plated

Fig.	Per 100
994	
996	
997	



Flanged Stud
Single Fig. 994



Eyelet
Fig. 996



Washer
Fig. 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.

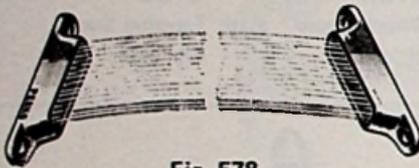


Fig. 578

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

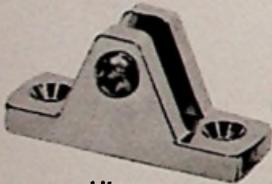
SKIN PACK — Fig. 578-SP

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.

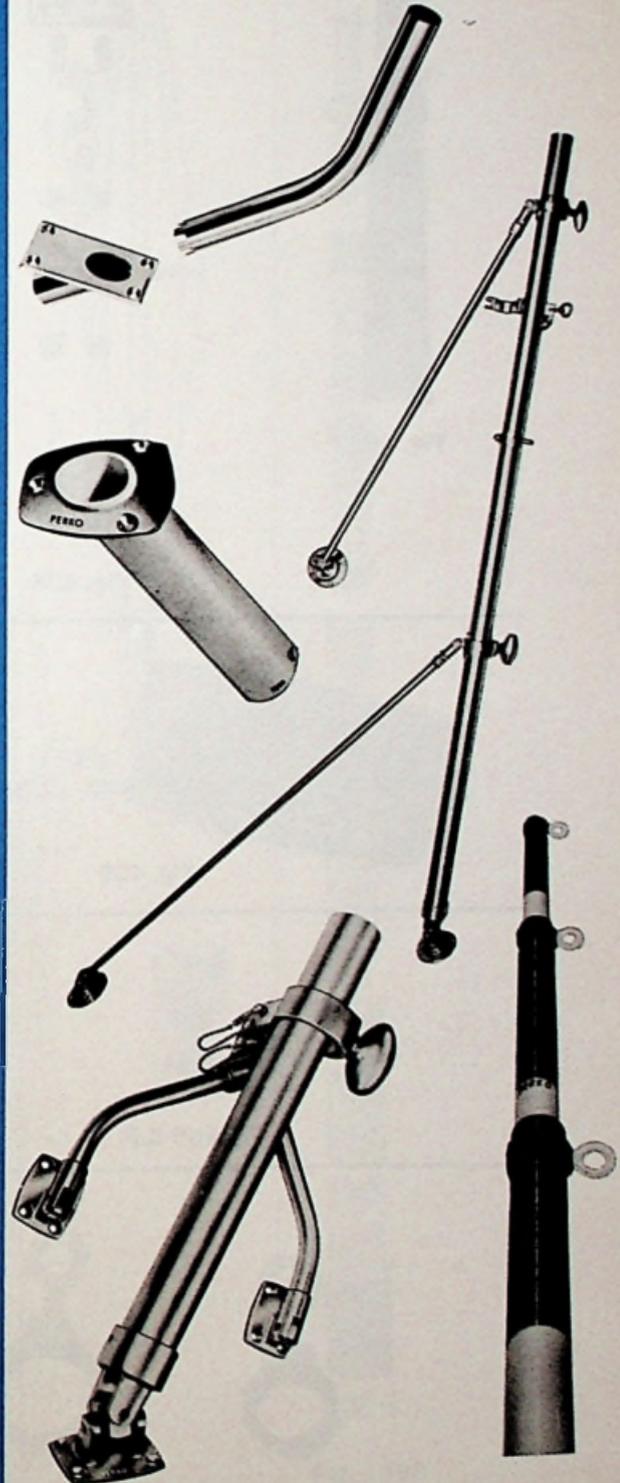
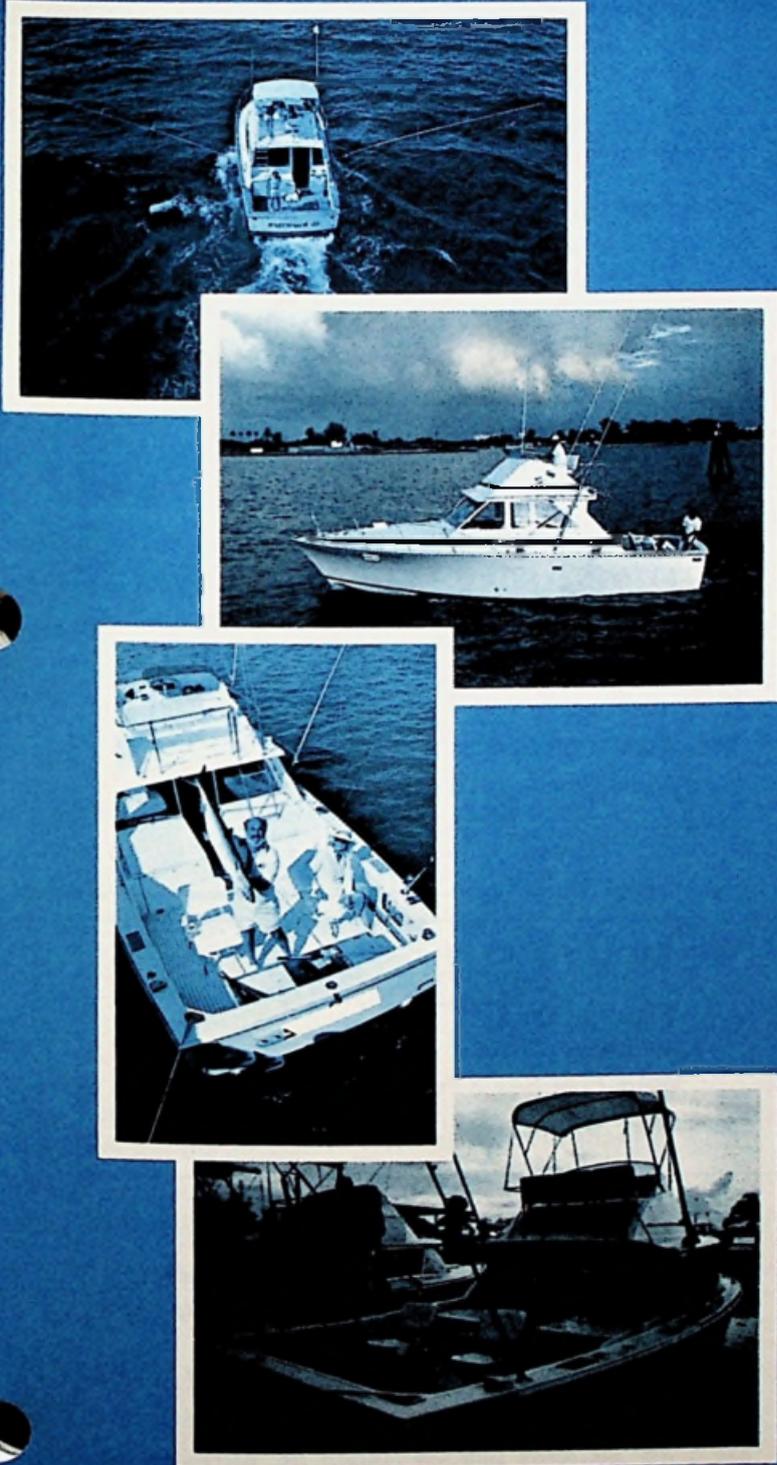
Six Cards Per Box.

Weight Per Box, 1 1/4 Pounds.

Sold To Trade In Full Box Only.

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Fig. 460

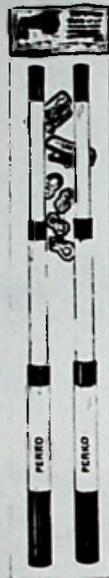


Fig. 476

TELESCOPIC FIBERGLASS OUTRIGGERS—Fig. 460
Hollow — Tapered — With Reinforced Joints

This sturdy model is impervious to heat, cold, moisture and sun. Base and tip are equipped with plugs.

No.	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.

Supplied complete with Fig. 468 Guides, 2 each, Sizes 1,3,4.

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
2½ x 1-3/8	10	1½



Fig.469-S.P.

SKIN PACK —Fig.469-S.P.

1 Pair per Card
 Six 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	11'4"	1.100	3	2	4½
15	15'	1.100	4	2	6
16	15'	1.500	4	2	9
18	18'8"	1.500	5	3	14
19	18'8"	1.900	5	3	14½
22	22'3"	1.900	6	3	20
25	25'6"	1.900	7	3	27½

FOR ½ PAIR, SPECIFY FIG. 1098—99A AND SIZE.

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

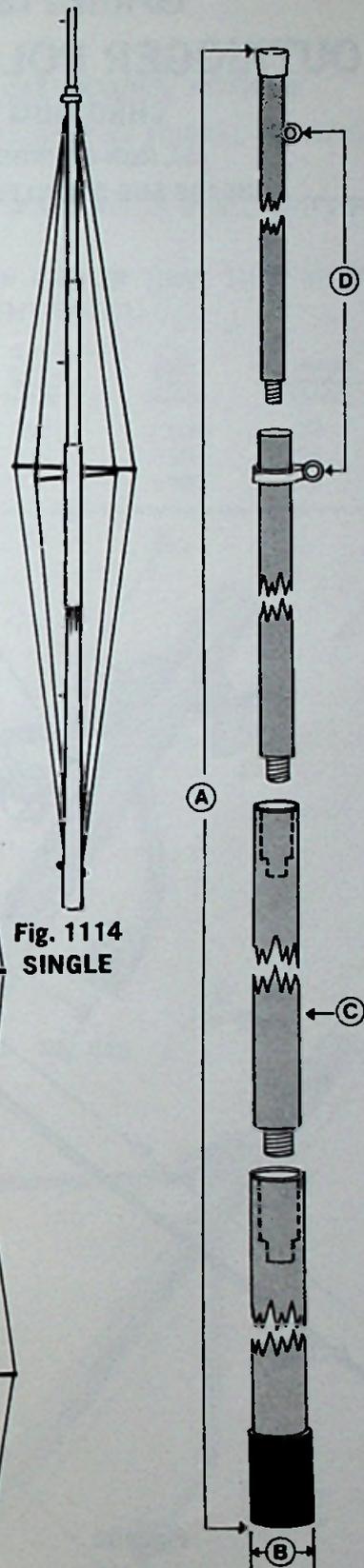


Fig. 1114
SINGLE

Fig. 1115
DOUBLE

Fig. 1098

**"GAMEFISHER"
OUTRIGGER POLE HOLDERS**

**CHROMIUM PLATED
ALL NON-CORROSIVE BRONZE,
BRASS AND STAINLESS STEEL PARTS.**

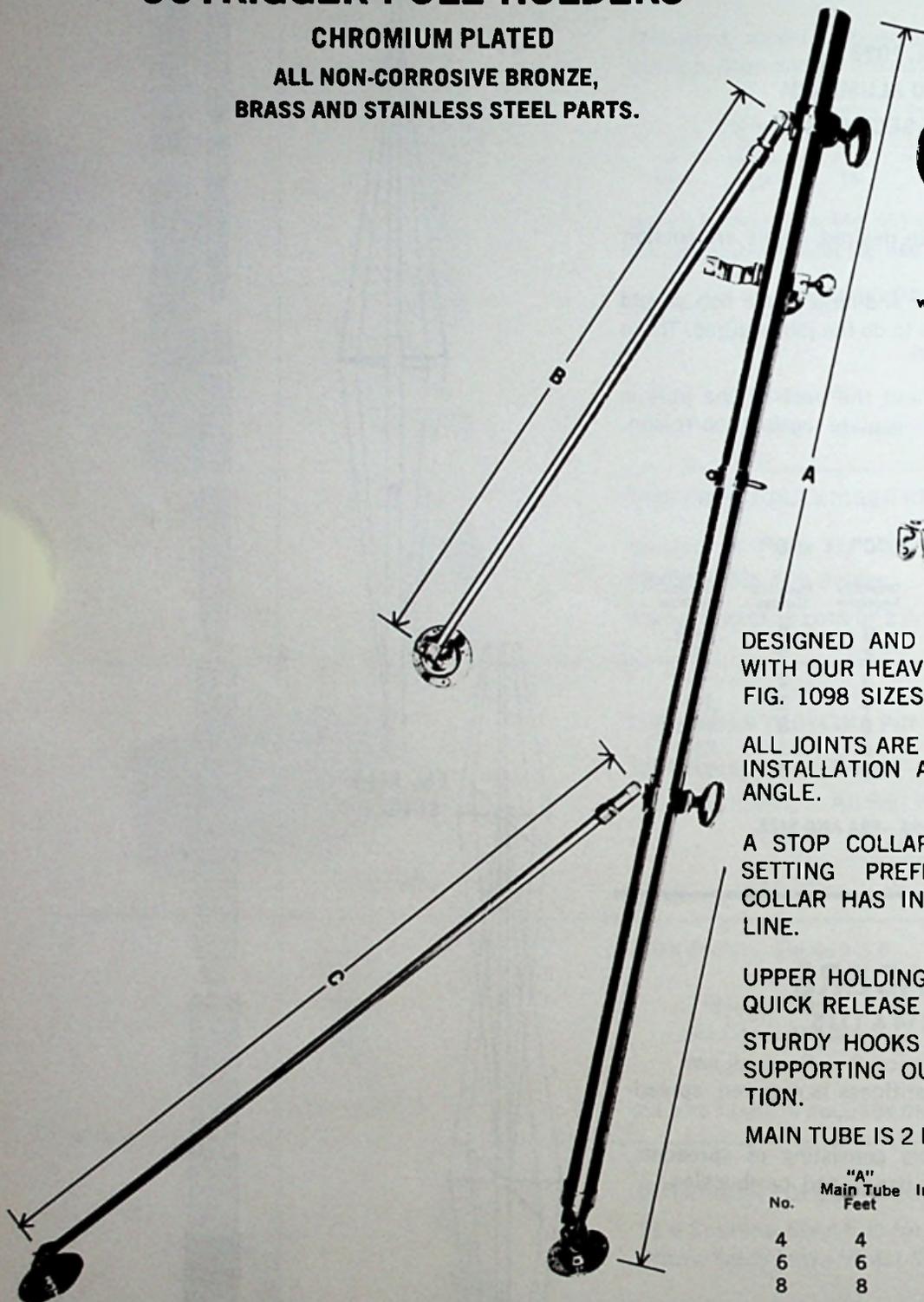


Fig. 400

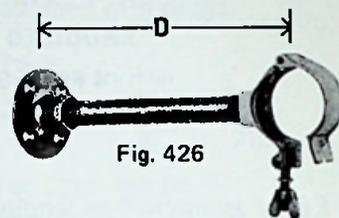


Fig. 426

**If Desired Complete
with The Above Special Side Bracket
For Fly-Bridge Mounting.
Specify Fig. 425 and Size.**

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	27 $\frac{1}{4}$	41 $\frac{7}{8}$	4	59
6	6	38 $\frac{7}{8}$	50 $\frac{3}{8}$	4	70
8	8	50 $\frac{3}{8}$	74 $\frac{1}{2}$	4	90

Fig. 426--"D"--ADJUSTABLE FROM 8-3/4" TO 9-1/2"
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
SPECIAL FLY-BRIDGE MOUNTING BRACKET, SPECIFY FIG. 426

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.

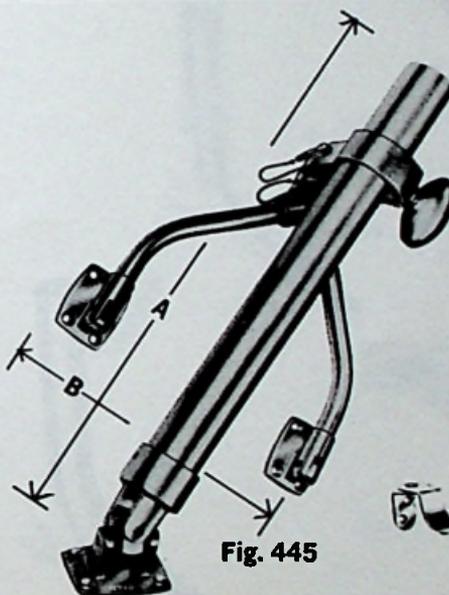


Fig. 445

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.

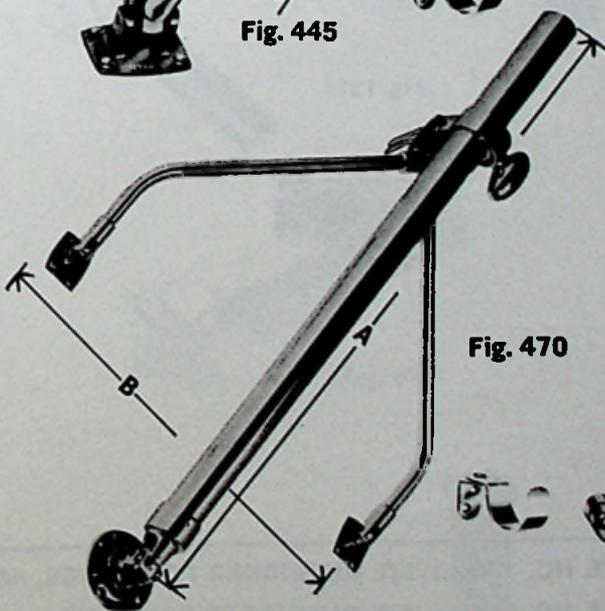


Fig. 470

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.

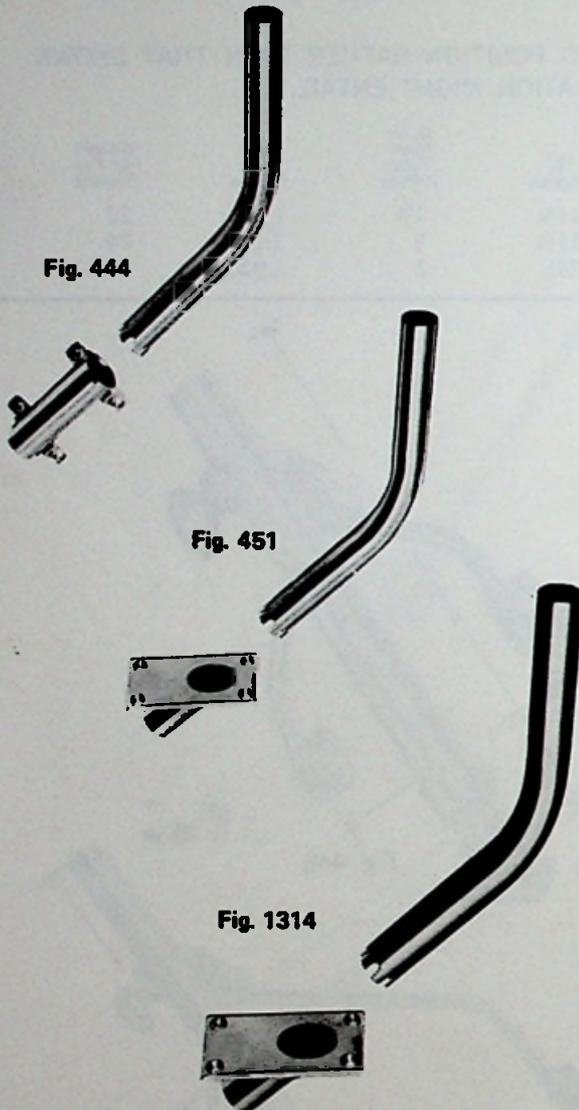
SIZE NO. 2 WILL FIT OUTRIGGER POLES FIG. 1098 NO. 19.

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.



SIDE MOUNT—Fig. 444

BRONZE, CHROMIUM PLATED BRACKETS

NO. 1 TUBES — POLISHED STAINLESS STEEL

NO. 2 TUBES — CHROMIUM PLATED BRASS

No.	Outside Diameter Tube Inches	Inside Diameter Tube Inches	Dimensions Bracket Inches	Weight Per Pair Pounds
1	1¼	1.120	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

NO. 1 TUBES — POLISHED STAINLESS STEEL

NO. 2 TUBES — CHROMIUM PLATED BRASS

No.	Outside Diameter Tube Inches	Inside Diameter Tube Inches	Dimensions Plate Inches	Weight Per Pair Pounds
1	1¼	1.120	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

POLISHED 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	1.120	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

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.



FIGS. 444, 451 and 1314 Size No. 1 Available in Display Pack, See Section L.

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.
The holder is brass tubing, 2 inches outside diameter, 9 inches long. Inside diameter is 1-5/8 inches. The bracket is pressure cast bronze, adjustable for rails 3/4 to 1 inch diameter.

Packed one per box, weight 2 pounds.

THIS ITEM AVAILABLE IN DISPLAY PACK, SEE SECTION L. 



Fig. 1118

FISHING ROD HOLDERS—Fig. 449

Heavy Brass Tubing – Manganese Bronze Castings
Chromium Plated – With Soft Black Vinyl 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
1-5/8	2	4 x 3 3/4	2 1/4

Spare Holders, Specify Fig. 449—99A
Spare Brackets, Specify Fig. 449—99B

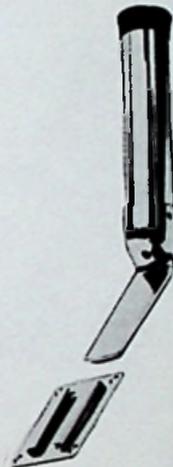


Fig. 449

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 3/4	2	3 3/4	8

Spare Brackets, Specify Fig. 1107

THIS ITEM AVAILABLE IN DISPLAY PACK, SEE SECTION L. 

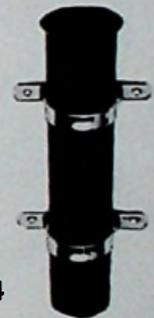


Fig. 1104

ADJUSTABLE FISHING ROD HOLDERS — Fig. 475

Plain or Chromium Plated – Soft Black Vinyl Liner

Heavy Brass Tubing – Manganese Bronze Castings

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
1-5/8	2	9 1/2	3 5/8 x 2 1/4	3 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

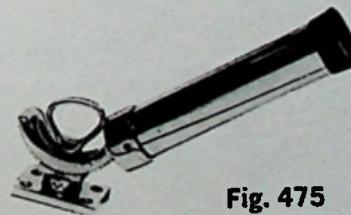


Fig. 475

SOFT BLACK VINYL LINERS FOR ROD HOLDERS

Fig.	Size No.	Inside Diameter Inches	Weight Ounces	For Rod Holders
482	1	1-5/8	1	448 No. 1-452-1205
482	2	1-7/8	1	448 No. 2
483	1	1-5/8	1/2	404 No. 1-449-475-1100-1118
483	2	1-7/8	1	404 No. 2

Standard Package, 5 Pieces



Fig. 482



Fig. 483



Fig. 1205

FISHING ROD HOLDER—Fig. 1205

Chromium Plated Flange — Anodized Aluminum Tube
Soft Black Vinyl Liner

	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Weight Pounds
	1-5/8	2	8	4-1/4x3-1/2	1

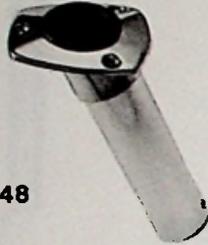


Fig. 448

BRONZE FISHING ROD HOLDERS—Fig. 448

Chromium Plated Flange — Brass Tube
Soft Black Vinyl Liner

No.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Weight Pounds
1	1-5/8	2	8	4-1/4x3-1/2	1-1/4
2	1-7/8	2-1/4	12	4-7/8x4	2

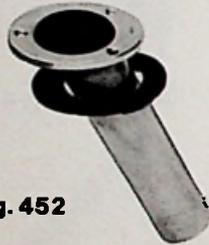


Fig. 452

FISHING ROD HOLDERS—Fig. 452

18-8 — Polished Stainless Steel
Soft Black Vinyl Liner — Heavy Under Flange Gasket

	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches	Weight Pounds
	1-5/8	2	8-1/4	4-1/8x3-3/8	7/8

Spare Gaskets, Specify Fig. 452-99A.

For Caps to Enclose Bottoms for Above Items Specify Fig. 125.



Fig. 1100

FISHING ROD HOLDERS—Fig. 1100

All Brass — Chromium Plated — With Soft Black Vinyl Liner

	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Overall Inches	Width Bracket Inches	Weight Oz
	1-5/8	2	9	3	16

Spare Brackets, Specify Fig. 1107



The Above Items Available in Display Packs See Section L.

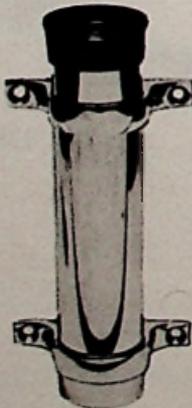


Fig. 404

HEAVY DUTY FISHING ROD HOLDER—Fig. 404

Chromium Plated — With Soft Black Vinyl Liner

The holder is heavy gauge brass tubing.

The side mounting brackets are cast bronze.

No.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Inches	Width Bracket Inches	Weight Pounds
1	1-5/8	2	9	4-3/16	1-5/8
2	1-7/8	2-1/4	11	4-3/4	2-1/2

Spare Brackets, Specify Fig. 404-99A and Size

PERKO®



PerkoPak Skin Pack • Display Pack

MANUFACTURED BY PERKO, INC. 16490 N.W. 13TH AVE., P.O. BOX 64000-D. MIAMI, FLORIDA 33164
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Fig. 1510-SP

CERTIFIED



"CHROMALEX" III® COMBINATION BOW LIGHT – Fig. 1510-SP
 20 Points – 225 Degrees – 1 Mile Visibility
 Die Cast Zinc Alloy – Chromium Plated – Red and Green Fresnel Lenses
 Black Plastic Base – Molded Teak Plastic Insert – 12 Volt Lamp
 Supplied With Light.

Height Inches	Size Base	Screw No.
1-7/8	4x3-1/8	8

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

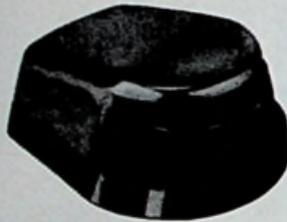


Fig. 1310 SP

CERTIFIED

"CHROMALEX"® COMBINATION BOW LIGHT – Fig. 1310-SP
 20 Points – 225 Degrees – 1 Mile Visibility
 Die Cast Zinc Alloy – Chromium Plated – Black Plastic Base
 – Red and Green Fresnel Lenses.

12 Volt Lamp Supplied With Light.

Height Inches	Size Base Inches
1-3/4	4x3-1/8

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



Fig. 1218 SP

CERTIFIED



"RANGER" COMBINATION BOW LIGHT – Fig. 1218-SP
 20 Points – 225 Degrees – 1 Mile Visibility
 Die Cast Zinc Alloy – Chromium Plated – Red and Green
 Fresnel Lenses – 12 Volt Lamp Supplied With Light.

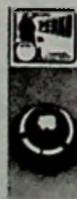
Height Inches	Size Base Inches	Height Lens Inches	Staff Socket Inches
3-1/2	6-1/4x3-7/8	2-1/2	3/4

One Light Per Card.
Three Cards Per Box.
Weight Per Box, 4 Pounds.



Fig. 972 SP

CERTIFIED



"CHROMALEX"® COMBINATION BOW LIGHT – Fig. 972-SP
 20 Points – 225 Degrees – 1 Mile Visibility
 Brass – Chromium Plated – Black Plastic Base.
 Red and Green Lenses – 12 Volt Lamp Supplied With Light.

Height of Light Inches	Diameter Base Inches
1-5/8	2-3/8

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.

12 Volt Lamp Supplied with Lights.

Red and Green High Intensity Fresnel Lenses.

Length Inches	Width Inches	Depth Inches
4-1/4	2-3/8	1-3/4

One Pair Per Card.

Four Cards Per Box.

Weight Per Box, 2 Pounds.

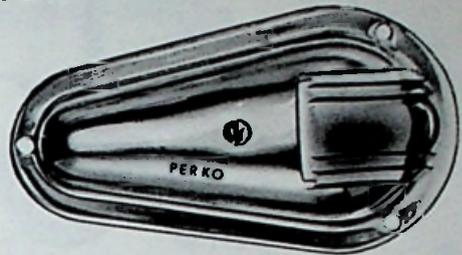


Fig. 955-SP

CERTIFIED

BOW OR MASTHEAD LIGHT - Fig. 964-SP

20 Points - 225 Degrees - Clear Lens.

2 Mile Visibility.

12 Volt Lamp Supplied With Light.

Height of Light Inches	Diameter Base Inches
1-5/8	2-3/8

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.

12 Volt Lamp Supplied With Light.

Height of Light Inches	Diameter Base Inches
1-5/8	2-3/8

One Light Per Card.

Four Cards Per Box.

Weight Per Box, 1 Pound.

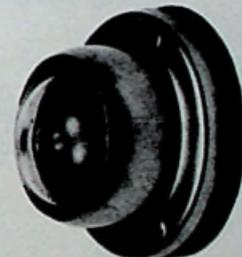


Fig. 945-SP

CERTIFIED

STERN LIGHT - Fig. 965-SP

12 Points - 135 Degrees - Clear Lens.

2 Mile Visibility.

12 Volt Lamp Supplied With Light.

Height of Light Inches	Diameter Base Inches
1-5/8	2-3/8

One Light Per Card.

Four Cards Per Box.

Weight Per Box, 1 Pound.

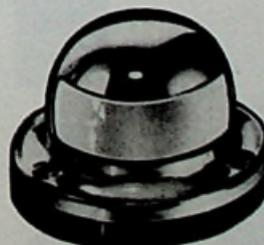


Fig. 965-SP

CERTIFIED



Fig. 217-SP

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. 300-SP

DOMES 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. 140-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 5/8

One Light Per Card.
 Ten Cards Per Box.
 Weight Per Box, 1/2 Pound.



Fig. 56-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.

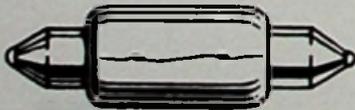


Fig. 70-SP



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.

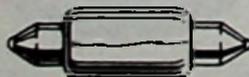


Fig. 71-SP

CARTRIDGE TYPE BASE LAMP – Fig. 71-SP
 CLEAR – 12 VOLT 8 C.P. DIAMETER 3/8 INCHES

Two Lamps Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 1/2 Pound.



IGNITION STARTER SWITCH — Fig. 310-SP

All Brass — Face Plate Chromium Plated —
 Lock Type — 3 Terminal — 2 Keys —
 3 Position Switch — OFF — IGNITION — START
 20 Amps. at 12 Volts.

Diameter Neck Inches	Length Neck Inches
13/16	1-1/16

One Switch Per Card.

Six Cards Per Box.

Weight Per Box, 3 Pounds. ★

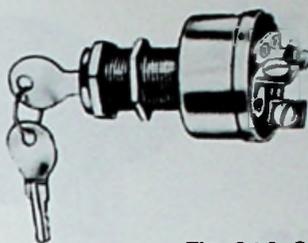


Fig. 310-SP

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

All Brass — Chrome Plated Knob — 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.

Diameter Neck Inches	Diameter Knob Inches	For Wood Thickness Inches	Length Overall Inches
3/8	3/4	1	3-3/4

One Switch Per Card.

6 Cards Per Box.

Weight Per Box, 2 Pounds. ★

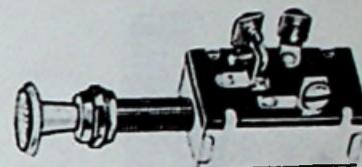


Fig. 366-SP

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

All Brass — 3 Terminal — 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.

Diameter Neck Inches	Diameter Knob Inches	For Wood Thickness Inches	Length Overall Inches
3/8	3/4	1	3-3/4

One Switch Per Card.

6 Cards Per Box.

Weight Per Box, 2 Pounds. ★

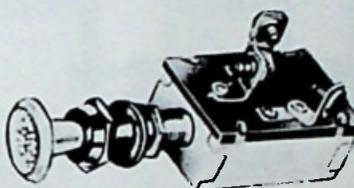


Fig. 381-SP

PUSH AND PULL SWITCHES — Fig. 105-SP

25 Amps. at 12 Volts
 Chromium Plated Knob — Brass Housing.

No.	Diam. Neck Inches	Diam. Knob Inches	For Wood Thickness Inches	Length Overall Inches
1	3/8	3/4	1	3

One Switch Per Card.

Twelve Cards Per Box.

Weight Per Box, 3 Pounds. ★

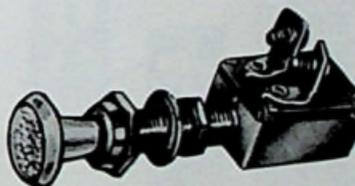


Fig. 105-SP

MOMENTARY STARTER SWITCH OR DASHBOARD HORN BUTTON — Fig. 255-SP

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

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. ★

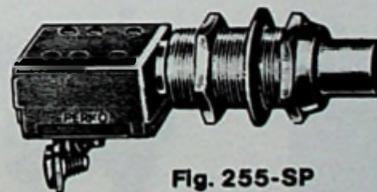


Fig. 255-SP

IGNITION LOCK SWITCH — Fig. 316-SP

Face Plate Chromium Plated — 2 Terminal — 2 Keys — 20 Amp.

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. ★



Fig. 316-SP

Above Switches are not ignition Protected — See Page CD13 for Details.
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Fig. 703-SP



Fig. 786-SP



Fig. 720-2



Fig. 720-3

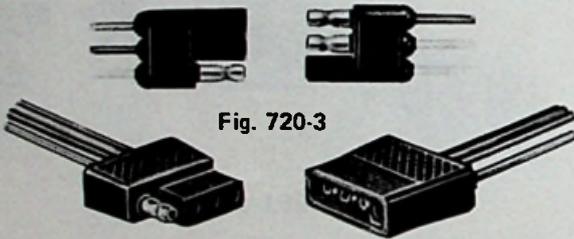


Fig. 720-SP



Fig. 1190-SP



Fig. 1191-SP

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 CD-13.



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, 1/4 Pound.

Conforms to U.S.C.G. Electrical Standards, See Page CD-13.



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 CD-13.



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 CD-13.



WATERTIGHT CABLE OUTLET – Fig. 1191-SP

Die Cast Zinc Alloy – Chromium Plated

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

For Cable Inches	Diameter Base Inches
5/16	1-1/4

One Outlet Per Card.

Five Cards Per Box.

Weight Per Box, 10 Ounces.

Sold To Trade In Full Box Only

GLARE SHIELD – Fig. 1192-SP

Black Plastic – For 3/4" O.D. Tubing

Shield is installed by removing one screw, placing the shield around tubing and then replacing the screw. Set screw is furnished to lock shield in permanent position.



Fig. 1192-SP

Dimensions Inches	Weight Ounces
6X4-5/16	3

One Shield Per Card
Five Per Box.
Weight Per Box, 1 Pound.

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. 414-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. 33-SP

Fig. 34-SP

Fig. 36-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.

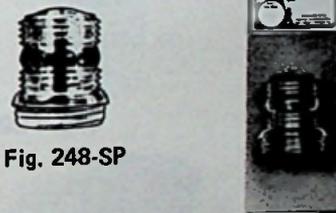


Fig. 248-SP

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. 339-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.

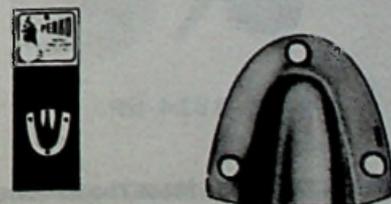


Fig. 315-SP

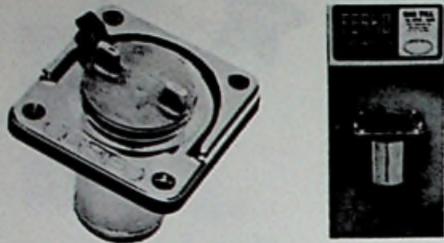


Fig. 1513-SP

"CHROMALEX" III® GAS FILL – Fig. 1513-SP

Chromium Plated – Die Cast Zinc Alloy Body – Molded Teak Plastic Cap
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.

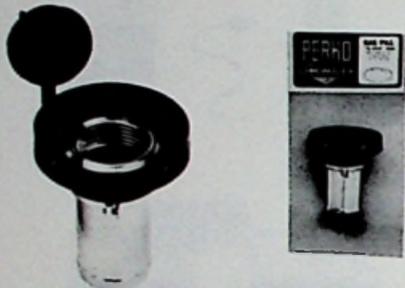


Fig. 1313-SP

CHROMALEX® GAS FILL – Fig. 1313-SP

Black Plastic Flange
Die Cast Zinc Alloy – Chromium Plated
For Use With 1½" I.D. Hose.
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. 1399-SP

CHROMALEX® GAS FILL – Fig. 1399-SP

Same Design and Construction as Fig. 1313 Except this Model comes Equipped with a Locking Black Plastic Cap.
Built-in Five Pin Tumbler Lock in Cap. Supplied with 2 Keys.
One Fill Per Card.
Six Cards Per Box.
Weight Per Box, 4 Pounds.



Fig. 1499-SP

CHROMALEX® GAS FILL – Fig. 1499-SP

Same Design and Construction as Fig. 1513 Except this Model comes Equipped with a Locking Black Plastic Cap.
Built-in Five Pin Tumbler Lock in Cap. Supplied with 2 Keys.
One Fill Per Card.
Six Cards Per Box.
Weight Per Box, 4 Pounds.



Fig. 1324-SP

LOCKING GAS CAP – Fig. 1324-SP

Black Plastic Cap – Built-in Five Pin Tumbler Lock – Supplied with 2 Keys – Gasket to Prevent Moisture from Entering Tank.

Locking Cap will fit all PERKO Chromalex® Gas Fills, Figs. 1313, 1413 and 1513 already in use.

Weight Ounces
3

One Cap Per Card.
Six Cards Per Box.
Weight Per Box, 1-1/4 Pounds.

All Fills On This Page Meet The Requirements of The U.S.C.G. Safety Standards, January 31, 1977 for Gasoline Fuel Systems.

Sold To Trade In Full Box Only

GAS TANK VENT – Fig. 506-SP

Die Cast Zinc Alloy – Chromium Plated –
With Removable Monel Wire 30 Mesh Screening.

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

One Vent Per Card.

Ten Cards Per Box.

Weight Per Box, 1-1/2 Pounds.

This item is designed to meet the requirements of U.S.C.G. Safety Standards, January 31, 1977 for gasoline fuel systems.



Fig. 506-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.

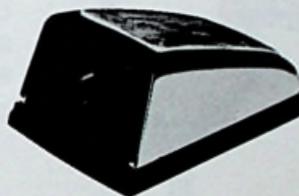


Fig. 1512 SP

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, 1 1/2 Pounds



Fig. 330 SP

DECK PLATE KEY – Fig. 826-SP

Die Cast Zinc Alloy – Chromium Plated

Heavy duty with extra sturdy pins. Will fit all sizes of deck plates up to 8 inch diameter.

Length Overall Inches
1-1/2

One Key Per Card. Six Cards Per Box.

Weight Per Box, 4 Pounds.



Fig. 826-SP



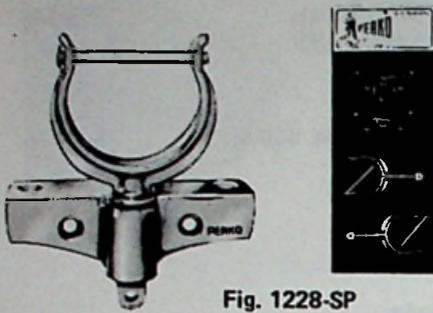


Fig. 1228-SP

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.

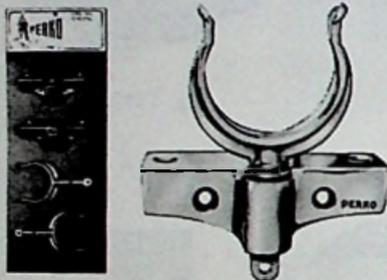


Fig. 1263-SP

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.

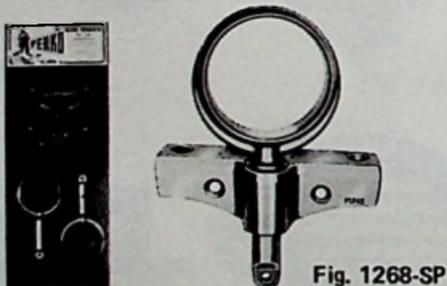


Fig. 1268-SP

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.

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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

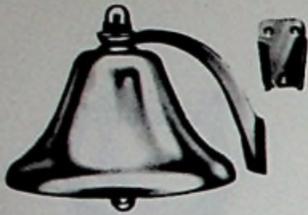


Fig. 159-SP



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.

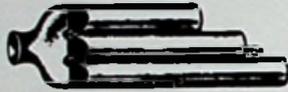


Fig. 167-SP

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.



Fig. 349-SP



SIGNAL WHISTLE – Fig. 349-SP

Orange Plastic.

Length Inches	Width Inches
2-¼	¾

One Whistle Per Card.
Ten Cards Per Box.
Weight Per Box, 1-¼ Pounds.



Fig. 162-SP

FOG HORN—Fig. 162-SP

**ALUMINUM – DURABLE WHITE BAKED ENAMEL FINISH
NYLON MOUTHPIECE**

Lightweight Fog Horn that is attractive and practical –
Length 12-½ Inches.

One Horn Per Card.
Six Cards Per Box.
Weight Per Box 2½ Pounds.

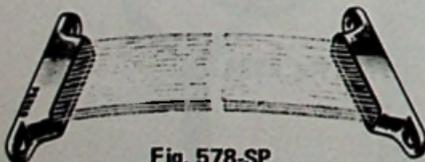


Fig. 578-SP



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.

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

Two Handles 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

Two Handles Per Card.
Six Cards Per Box.
Weight Per Box 6-3/4 Pounds.

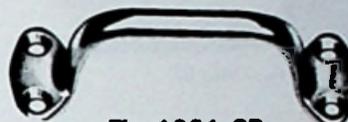


Fig. 1231-SP



HANDLE — Fig. 775-SP

Bronze — Chromium Plated.

No.	Length Overall Inches	Length Inside Inches
2	5-3/4	3-3/4

Two Handles Per Card.
Six Cards Per Box.
Weight Per Box, 4 Pounds.



Fig. 775-SP

CHROMALEX® STEP PLATES — Figs. 1225-SP, 1325-SP, 1525-SP

Die Cast Zinc Alloy — Chromium Plated
Molded Plastic Non-Skid Pads

No.	Dimensions Overall Inches	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

Two Plates Per Card.
Six Cards Per Box.

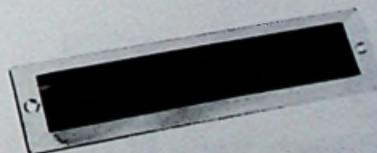


Fig. 1225SP - White
Fig. 1325SP - Black
Fig. 1525SP - Teak



STEP PLATE — Fig. 1526-SP

Molded Teak Plastic — Non Skid
No Frame Required

No.	Overall Dimensions Inches	For Screw No.	Weight Ounces
1	9-7/8 x 2-7/8	8	4

Two Plates Per Card.
Six Cards Per Box.
Weight Per Box, 3½ Pounds.



Fig. 1526-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	4-½	2-½-1-1/16	No. 10	¾	4
No. 2	6	3-¼x1-¾	¼"	½	4

No. 1 - Two Cleats Per Card. Six Cards Per Box. No. 2 - One Cleat Per Card. Six Cards Per Box.



Fig. 1506-SP



"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	4-½	3-¾x1-1/16	No. 10	¾	4
No. 2	6	5x1-¾	¼"	½	4

No. 1 - Two Cleats Per Card. Six Cards Per Box. No. 2 - One Cleat Per Card. Six Cards Per Box.



Fig. 1505-SP



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 - Two Cleats Per Card. Six Cards Per Box. No. 2 - One Cleat Per Card. Six Cards Per Box.



Fig. 1306-SP



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 - Two Cleats Per Card. Six Cards Per Box. No. 2 - One Cleat Per Card. Six Cards Per Box.



Fig. 1305-SP



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	2-3/16x1-1/8	5/16	3-½
3	3-1/8 x1-1/2	¾	5-½
4-½	4-7/16x1-7/8	½	8-½
6	5-½ x2	¾	13

2" and 3" - Two Cleats Per Card. Twelve Cards Per Box. 6" - One Cleat Per Card. Twelve Cards Per Box.
4½" - Two Cleats Per Card. Six Cards Per Box.

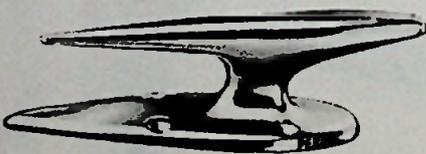


Fig. 566-SP



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	1-¾	4

4" - Two Cleats Per Card. Six Cards Per Box. 6" - One Cleat Per Card. Six Cards Per Box.



Fig. 1188-SP



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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



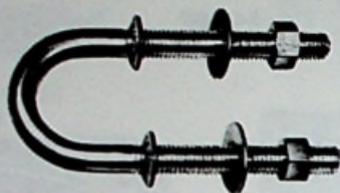


Fig. 237 SP

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 Bow Eye 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 Bow Eye Per Card.

Six Cards Per Box.

Weight Per Box, 4-1/4 Pounds.

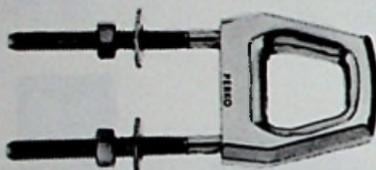


Fig. 1235 SP



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.

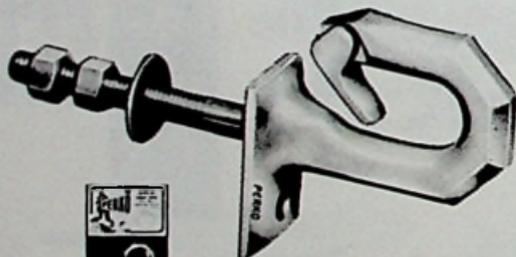


Fig. 863 SP

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.



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



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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 Inches
3-3/4	2 5/16	1-5/8

Two Pulleys Per Card.

Twelve Cards Per Box.

Weight Per Box, 4-1/2 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

Two Pulleys Per Card.

Twelve Cards Per Box.

Weight Per Box, 5-1/4 Pounds.

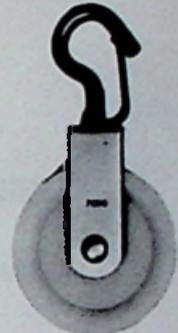


Fig. 634-SP

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	5-1/2

STS. - Two Tighteners Per Card.
Twelve Cards Per Box.

Cad. - Two Tighteners Per Card.
Twelve Cards Per Box.

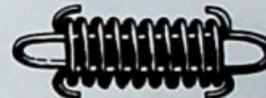


Fig. 732-SP – CAD.
Fig. 732-SP – STS.



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

Two Clamps Per Card.

Twelve Cards Per Box.

Weight Per Box, 2-1/2 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

Two Hooks Per Card.

Twelve Cards Per Box.

Weight Per Box, 2-3/4 Pounds.



Fig. 1246-SP

FENDER LOCK – Fig. 1299-SP

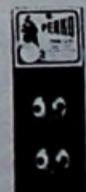
Die Cast Zinc Alloy – Chromium Plated.

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	Two Per Card.
1-1/2	3/8	Twelve Cards Per Box.
		Weight Per Box, 2-1/4 Pounds.



Fig. 1299-SP



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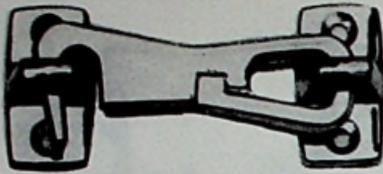


Fig. 1287-SP

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.

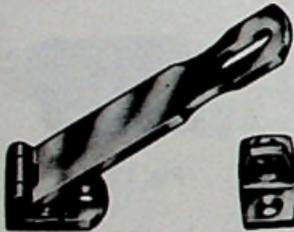
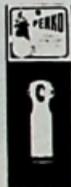


Fig. 1198-SP


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.

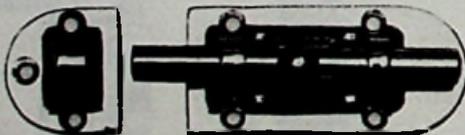


Fig. 947-SP

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.



Fig. 769-SP

HATCH FASTENER OR WINDSHIELD KEEPER – Fig. 769-SP

Chromium Plated.

Diameter of Base 1-1/2X5/8 Inches.

One Fastener Per Card.

Five Cards Per Box.

Weight Per Box, 1-1/2 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.

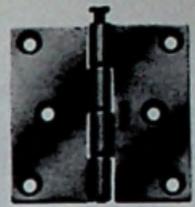


Fig. 1293-SP

SEMI-CONCEALED HINGE – Fig. 271-SP

Wrought Brass – Chromium Plated.
For Use On Doors With 3/8" Inset.

Dimensions Overall Inches – 2-3/4x2-1/8

One Pair Per Card.
Ten Cards Per Box.
Weight Per Box, 2 Pounds.

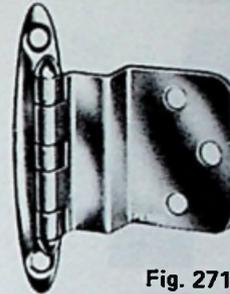


Fig. 271-SP



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.



HATCH HOLD-DOWN CLAMPS—Figs. 1112-SP & 1113-SP

Pressure Cast Bronze – Chromium Plated.

An excellent item with many uses, on hatch covers, windshields, windows, bait and fish boxes, etc.

Fig. 1112-SP Flat Mounting

Length Inches	Width Inches
3	1-1/2

One Clamp Per Card.
Three Cards Per Box.
Weight Per Box, 1¼ Pounds.

Fig. 1113-SP Angle Mounting

Length Inches	Width Inches
2-1/2	1-1/2

Sold To Trade In Full Box Only

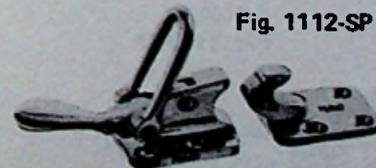


Fig. 1112-SP



Fig. 1113-SP



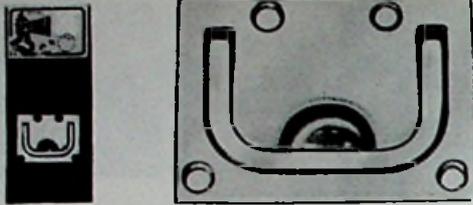


Fig. 1220-SP

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.

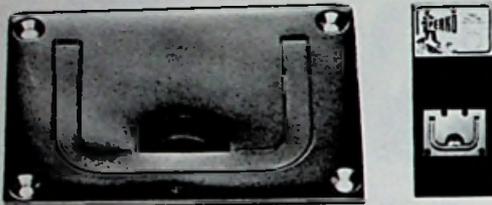


Fig. 776-SP

**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 1¾x1-3/8 Inches.

One Pull Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 1 Pound.

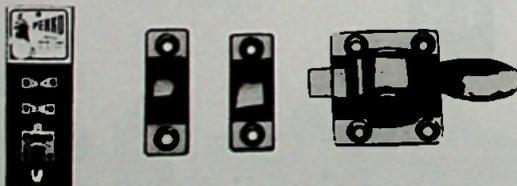


Fig. 1102-SP

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.

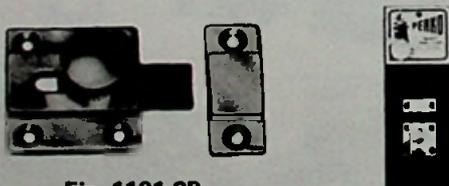


Fig. 1101-SP

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.

Two Catches Per Card.
 Twelve Cards Per Box.
 Weight Per Box, 1 Pound.

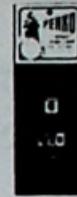
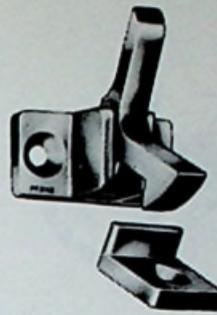


Fig. 1056-SP

“POLYDEL” DOOR CATCHES – Fig. 559-SP
 Black Delrin Ball Stud–Polyethylene Catch–Holds Door
 Firmly in Place Against Vibration and Motion.

Stud Size Inches	Catch Size Inches	One Pair Per Card. Twenty-Five Cards Per Box. Weight Per Box, 1 Pound.
1-1/8x3/8	1-3/8x7/8	



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	One Button Per Card. Twelve Cards Per Box. Weight Per Box, 1 1/4 Pounds.
1-11/16	1-3/16	

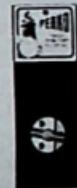


Fig. 1216-SP

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	Two Per Card. Six Cards Per Box. Weight Per Box, 2 Pounds.
1-5/8	1 x 5/8	1-1/8	



Fig. 937-SP

DRAWER KNOB – Fig. 926-SP
 Die Cast Zinc Alloy – Chromium Plated.
 Black Insert - Supplied With Stainless Steel 1-1/4" Screw
 For Drawers Up To 1-1/8" Thick.

926 Black No. O	Diameter	Two Knobs Per Card. Ten Cards Per Box. Weight Per Box, 1-1/2 Pounds.
	1-1/8	



926-SP

WARDROBE OR UTILITY HOOK – Fig. 610-SP
 Die Cast Zinc Alloy – Chromium Plated.

Projection Inches	Width Base Inches	Two Hooks Per Card. Six Cards Per Box. Weight Per Box, 10 Ounces.
1-3/8	1-1/8	



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.

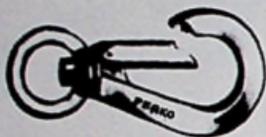
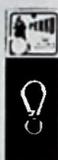


Fig. 1289-SP



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

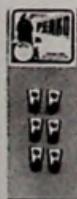
Brass – Chromium Plated.

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.

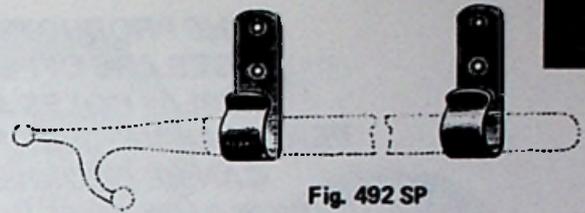


Fig. 492 SP

“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.

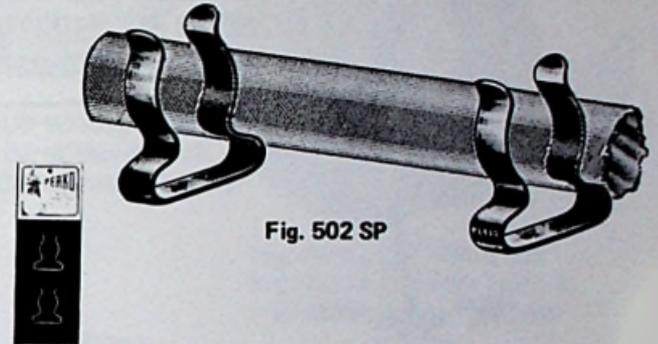


Fig. 502 SP

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, 1¾ Pounds.

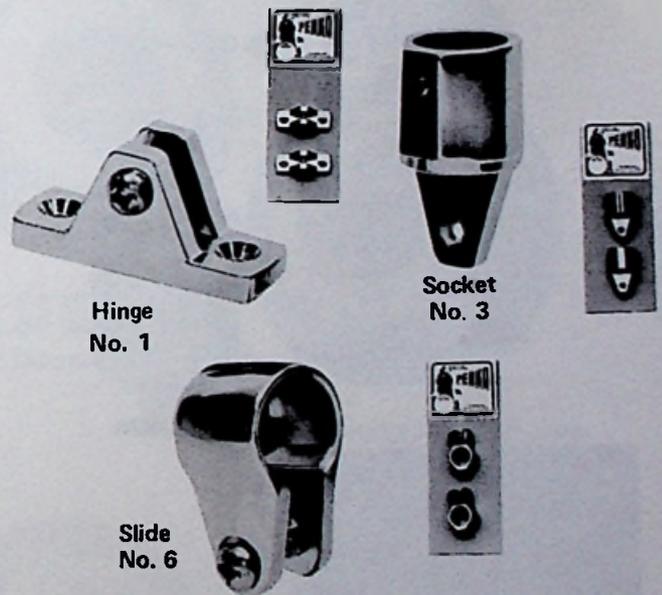


Fig. 395-SP

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

Two Clips Per Card.
 Six Cards Per Box.
 Weight Per Box, 3 Pounds.



Fig. 469-SP



NEW DISPLAY PACK SECTION



THE PRODUCTS LISTED ON THE FOLLOWING PAGES ARE OFFERED IN OUR NEW ATTRACTIVE DISPLAY BOXES AS A PART OF OUR EXPANDING PERKOPAK IMPULSE SALES PROGRAM. THESE PRODUCTS CAN BE ORDERED IN COMBINATION WITH THE SKIN PACK PRODUCTS SHOWN ON THE PRECEDING PAGES. THIS COMBINATION ENABLES YOU TO OFFER BOTH TYPES OF IMPULSE PACKAGING TO YOUR CUSTOMERS UNDER ONE PROGRAM.



Fig. 280 — DP

ADJUSTABLE SPREADER FLOODLIGHT — Fig. 280 — DP

**All Brass — Chromlum Plated
12 Volt Sealed Beam Unit - Watertight**

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

Diameter Overall Inches	Depth Inches	Size Mounting Plate Inches	Weight Per Box Pounds
4-5/8	2-1/2	5-3/8x3/4	7

**One Flood Light Per Display Pack.
Five Display Packs Per Box.**



Fig. 600 — DP

ANTI-COLLISION STROBE LIGHT — Fig. 600 — DP

**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 CANDLEPOWER FOR INCREASED VISIBILITY. Flashes approximately 50 Times Per Minute. Mounting Bracket for Flat Surfaces. Easily Removed, Base of Light fits 1/2" Pipe.

Height Overall Inches	Diameter Inches	Weight Per Box Pounds
7	3-1/8	6-3/4

**One Strobe Light Per Display Pack.
Five Display Packs Per Box.**



Fig. 517 — DP

SWITCH PANEL — Fig. 517 — DP

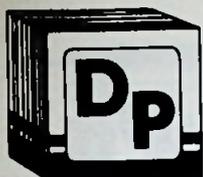
**Black Textured Finish - Embossed Lettering - Molded Durable
Plastic - Flexible to Mount On Flat Or Curved Surfaces.**

Complete with switches, fuse holders and name plates. Switches rated 15 Amp at 12 volts - fuse holders for 1-1/4" long glass fuses.

Size Inches	Weight Per Box Pounds
6-1/2x4-1/4	4

**One Panel Per Display Pack.
Five Display Packs Per Box.**

Sold To Trade In Full Box Only



NEW DISPLAY PACK SECTION



8500 SERIES BATTERY SELECTOR SWITCHES

Ignition Protected — Make Before Break Design — for Use With Two or More Batteries — Copper Contacts.

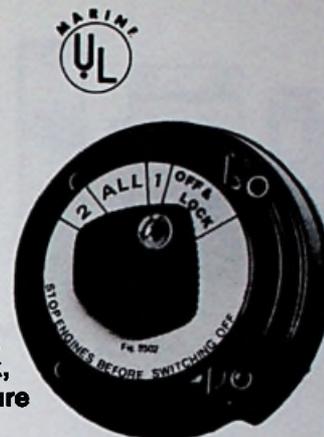
Options Include Built-in Key Lock Assembly For Extra Theft Protection and Alternator Field Disconnect Feature Which Protects Alternator From Damage if Switch is Inadvertently Switched To Off Position While Engine is Running.

For use with 6, 12, 24 or 32 Volt Systems.
Capacity, 250 Amps Continuous, 360 Amps Intermittent.

Diameter Inches	Depth Inches	Weight Per Box Pounds
5-1/4	2-5/8	5



**Fig. 8501-DP Without Lock
Fig. 8503-DP Without Lock,
with Field Disconnect Feature**



**Fig. 8502-DP With Lock
Fig. 8504-DP With Lock &
Field Disconnect Feature**



**One Switch Per Display Pack.
Five Display Packs Per Box.**



9600 SERIES MAIN BATTERY SWITCHES ON-OFF TYPE

These units are the same basic design and construction as the 8500 Series except they are offered as main disconnect switches.

Options Include Built-in Key Lock Assembly For Extra Theft Protection and Alternator Field Disconnect Feature Which Protects Alternator From Damage if Switch is Inadvertently Switched To Off Position While Engine is Running.

For use with 6, 12, 24 or 32 Volt Systems.
Capacity, 250 Amps Continuous, 360 Amps Intermittent.



**Fig. 9601-DP Without Lock
Fig. 9603-DP Without Lock,
With Field Disconnect Feature**



**Fig. 9602-DP With Lock
Fig. 9604-DP With Lock &
Field Disconnect Feature**



**One Switch Per Display Pack.
Five Display Packs Per Box.**



193 SERIES BLOWER AND IGNITION SWITCHES

With these switches the engine cannot be started before the blower has been turned on, then before the engine can be stopped the blower must again be started which helps to clear out any remaining fumes, before and after engine operations.

For Use with 6, 12, 24 or 32 Volt Systems.
Capacity, 250 Amps Continuous, 360 Amps Intermittent.



**Fig. 193 No. 1-DP
Without Lock**



**Fig. 193 No. 2-DP
With Lock**



Diameter Inches	Depth Inches	Weight Per Box Pounds
5-1/4	2-5/8	5

**One Switch Per Display Pack.
Five Display Packs Per Box.**



NEW DISPLAY PACK SECTION

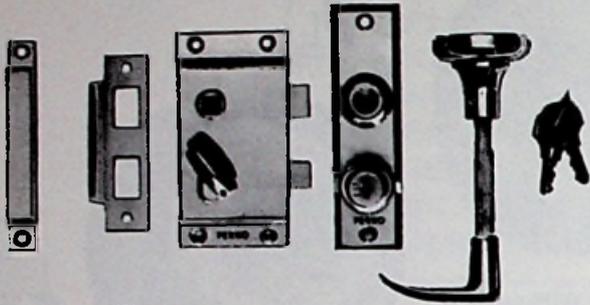


Fig. 918-DP

Fig. 919-DP

RIM LOCK SETS — Figs. 918-DP & 919-DP

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-DP — Regular Bevel With Box Strike.

Fig. 919-DP — Reverse Bevel With Flush Strike.

Size Case Inches	Size Escutcheon Inches	Diameter Knob Inches	Backset Inches	Weight Per Box Pounds
3-7/8x2	4-3/8x1-1/4	1-3/4	1-3/8	6-1/2

One Lock Set Per Display Pack.
Five Display Packs Per Box.



RIM LATCH SETS — Figs. 928-DP & 930-DP

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-DP — Regular Bevel With Box Strike.

Fig. 930-DP — Reverse bevel With Flush Strike.

Size Case Inches	Size Escutcheon Inches	Diameter Knob Inches	Backset Inches	Weight Per Box Pounds
2-1/8x1-3/4	4-3/8x1-1/4	1-3/4	1-3/8	4

One Latch Set Per Display Pack.
Five Display Packs Per Box.



OUTRIGGER POLE HOLDERS SIDE OR DECK MOUNT TYPE

All Models Supplied With Polished
Stainless Steel Universal Tubes.

Fig. 451 No. 1-DP — Bronze, Chromium Plated Plates
Fig. 1314 No. 1-DP — Die Cast Zinc Alloy — Chromium Plated Plates

Outside Diameter Tube Inches	Inside Diameter Tube Inches	Dimensions Plate Inches	Weight Per Box Pounds
1-1/4	1.120	5x2-1/2	16

Fig. 444 No. 1-DP — Bronze, Chromium Plated Brackets.

Outside Diameter Tube Inches	Inside Diameter Tube Inches	Dimensions Bracket Inches	Weight Per Box Pounds
1-1/4	1.120	4-1/2x3	15

One Pair Per Display Pack.
Five Display Packs Per Box.

NOTES: Pair consists of 2 plates, 2 tubes.

Fig. 1314 No. 1-DP is designed for use only with Fiberglass poles.

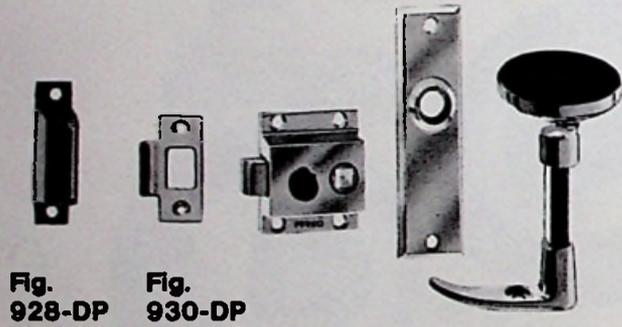
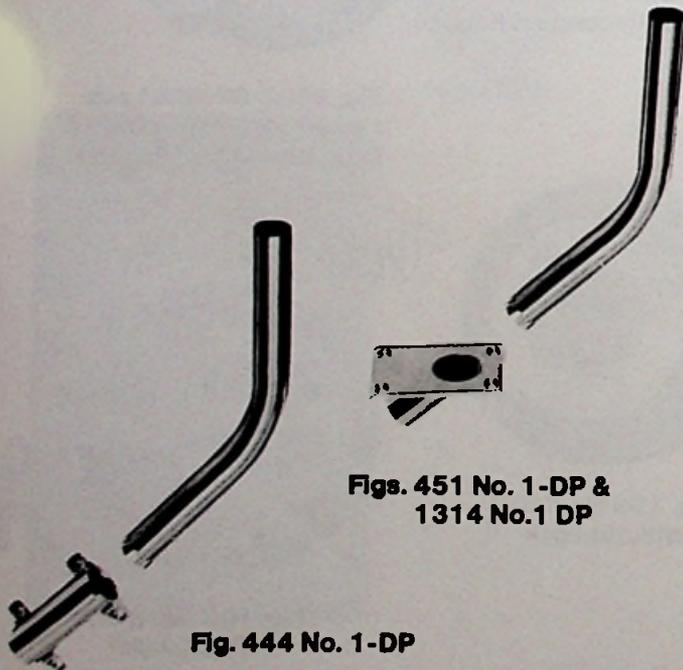


Fig. 928-DP

Fig. 930-DP



Figs. 451 No. 1-DP & 1314 No. 1 DP

Fig. 444 No. 1-DP



NEW DISPLAY PACK SECTION



DECK MOUNT FISHING ROD HOLDERS

- Fig. 452-DP — All Stainless Steel
- Fig. 448 No. 1-DP — Bronze, Chromium Plated
- Fig. 1205-DP — Chromium Plated Flange, Anodized Aluminum Tube

All models feature soft black vinyl lip and full length inner liner.
 Fig. 452-DP includes heavy gasket for under flange.

Fig.	Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Under Flange Inches	Dimensions Flange Inches
448 No. 1-DP	1-5/8	2	8	4-1/4x3-1/2
1205-DP	1-5/8	2	8	4-1/4x3-1/2
452-DP	1-5/8	2	8-1/4	4-1/8x3-3/8

Weight Per Box, 6 Pounds.

One Rod Holder Per Display Pack.
 Five Display Packs Per Box.



Fig. 448 No. 1-DP
 Fig. 1205-DP



Fig. 452-DP

SIDE MOUNT FISHING ROD HOLDERS

- Fig. 1100-DP — All Brass, Chromium Plated
- Fig. 1104-DP — Black Plastic With Chromium Plated Brackets

Fig. 1100-DP features a soft black vinyl lip and full length inner liner.

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Overall Inches	Width Bracket Inches
1-5/8	2	9	3

Weight Per Box, Fig. 1100-DP, 5-1/2 Pounds. Fig 1104-DP, 3 Pounds.

One Rod Holder Per Display Pack.
 Five Display Packs Per Box.



Fig. 1100-DP



Fig. 1104-DP

CLAMP-ON FISHING ROD HOLDER

- Fig. 1118-DP — Bronze, Chromium Plated With Soft Black Vinyl Lip and Full Length Inner Liner.

Inside Diameter Liner Inches	Outside Diameter Tube Inches	Length Inches	For Rails Diameter Inches
1-5/8	2	9	3/4 to 1

Weight Per Box, 11 Pounds.

One Rod Holder Per Display Pack.
 Five Display Packs Per Box.



Fig. 1118-DP



NEW DISPLAY PACK SECTION

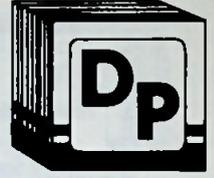
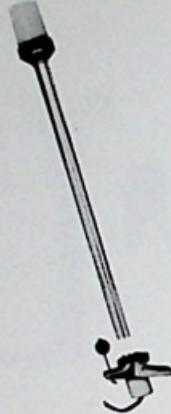


Fig. 1330 No. 2-DP



Figs. 1430 No. 2-DP &
1530 No. 2-DP

"CHROMALEX"®

REMOVABLE STERN POLE LIGHTS

Figs. 1330 No. 2-DP, 1430 No. 2-DP & 1530 No. 2-DP

Chromium Plated — Die Cast Zinc Alloy
Globe Holder and Base — Non Corrosive
Electric Sockets — Anodized Aluminum Tube.

Tightening Device with Built-in Alignment Feature Allows Easy
Insertion or Removal of Pole From Base.

Fig. 1330 No. 2-DP — Chromium Plated Base.

Fig. 1430 No. 2-DP — Chromium Plated Base
with Decorative Black Plastic Insert.

Fig. 1530 No. 2-DP — Chromium Plated Base
with Decorative Teak Plastic Insert.

Fig.	Length Inches	Base Length Inches	Weight Per Box Pounds
1330 No. 2-DP	24	3-3/8x1-5/8	5
1430 No. 2-DP	24	3-3/4x1-1/2	5
1530 No. 2-DP	24	3-3/4x1-1/2	5

One Light Per Display Pack.
Five Display Packs Per Box.



CHROMALEX®

TELESCOPING STERN POLE LIGHTS

Figs. 1311 No. 2-DP, 1411 No. 2-DP & 1511 No. 2-DP

THESE UNITS ARE THE SAME BASIC DESIGN AND
CONSTRUCTION AS ABOVE EXCEPT THEY EXTEND TO A
MAXIMUM HEIGHT OF 24 INCHES OR A MINIMUM OF 5
INCHES.

One Light Per Display Pack.
Five Display Packs Per Box.



BRASS STERN POLE LIGHTS

Figs. 1126 No. 2-DP & 1209 No. 2-DP

Chromium Plated — Bronze Top —
Brass Base — Anodized Aluminum Tube.

Fig. 1126 No. 2-DP — Telescoping

Fig. 1209 No. 2-DP — Removable

Length Inches	Base Length Inches	Weight Per Box Pounds
24	3-3/8x2-1/4	6

One Light Per Display Pack.
Five Display Packs Per Box.



COMBINATION BOW AND ANCHOR LIGHT

Fig. 1195-DP

Fold Down Assembly For Windshield Mounting — Chromium
Plated Top — Stainless Steel Mounting Bracket — Anodized
Aluminum Tube.

Length Inches	Mounting Brackets Inches	Weight Per Box Pounds
20	1-11/16x3	5

One Light Per Display Pack.
Five Display Packs Per Box.



Fig. 1311 No. 2-DP



Figs. 1411 No. 2-DP &
1511 No. 2-DP

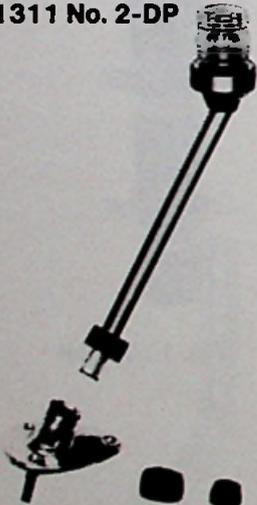


Fig. 1209 No. 2-DP

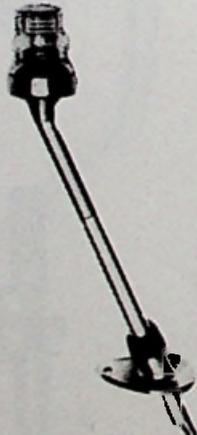


Fig. 1126 No. 2-DP

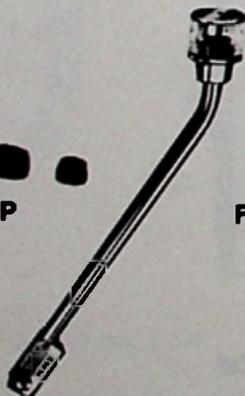


Fig. 1195-DP

Sold To Trade In Full Box Only

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. 240

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Chromalex® III Lights

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

Supplied with 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.

Spark Lamps (Bulbs), See Fig. 71



FIG. 1511

STERN POLE LIGHTS

32 Points – 360 Degrees – 2 Mile Visibility

Modern Frosted Globes

Delrin Non-Corrosive Electric Sockets

Supplied with 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. 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



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. 240 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



Fig. 1513

FIG. 1513—GAS FILL

Cap has integral retainer feature and is equipped with gasket to assure water tightness of fill. Neck has bead for 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

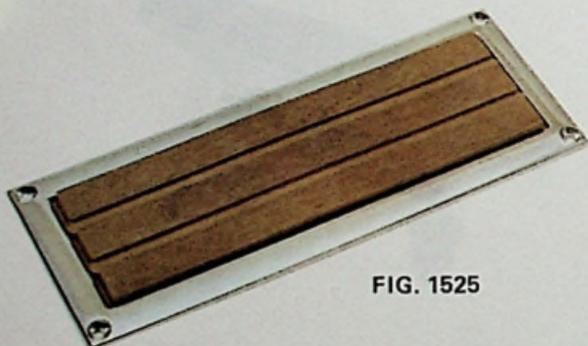


FIG. 1525

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

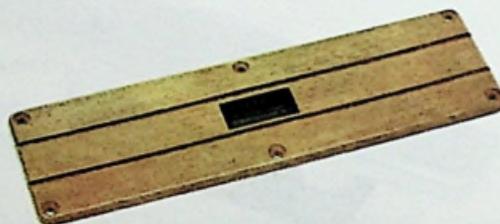


Fig. 1526

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		9x2-1/4	8	10	2
1		8-7/8x2-7/8	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. 240, SECTION "L".

SECTION R

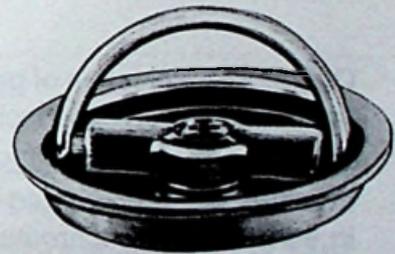
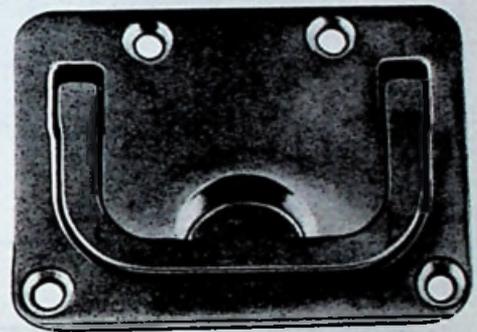
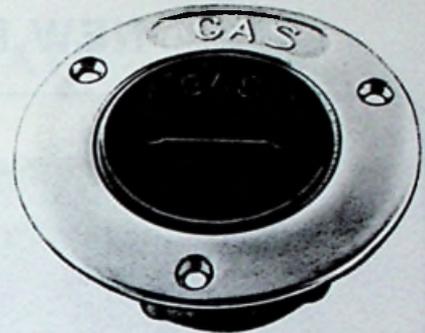
PERKO®

NEW

AND

IMPROVED

PRODUCTS



MANUFACTURED BY PERKO, INC. 16490 N.W. 13TH AVE., P.O. BOX 64000-D, MIAMI, FLORIDA 33164
FOR COMPLETE LINE SEE CATALOG NO. 240-R

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PERKO®

NEW PIPE DECK PLATES



FIG. 529G



FIG. 525

Our popular selection of pipe deck plates has been expanded with the addition of new models using stylish black plastic caps.

The new Figure 529 deck plates are pressure cast bronze with 1½ inch pipe size, available either unmarked or marked "Gas", "Diesel", or "Water". All may be ordered in either polished chrome or plain bronze.

The Figure 525 waste fitting also uses the durable plastic cap and is available in 1½ inch pipe size, chrome plated bronze only.

PERKO®

IMPROVED DECK PLATE



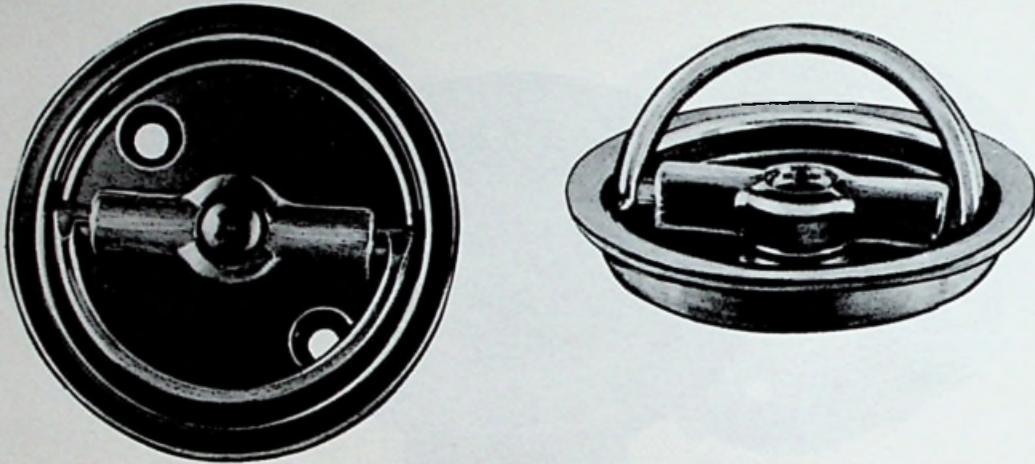
The popular 1270 series deck plates, designed for use with hose, have been made more attractive with the addition of a stylish black plastic cap.

The new cap has holes for a deck plate key as well as a slot for a screwdriver or large coin. An "O" ring in the cap insures a tight fit.

The 1270 deck plates are available marked "GAS", "DIESEL", "WASTE", or "WATER". Safety cords are attached to the caps on all but the waste plate.

PERKO®

NEW FLUSH CUP RING PULL



Hatches, drawers and cabinets are more functional and attractive when equipped with our new Flush Cup Ring Pull.

The Figure 1288 Ring Pull is easily mounted in a 2 inch diameter recess and provides a sturdy method of lifting or opening for a wide variety of light to medium duty applications.

We also offer this item with a black plastic spacer for surface mounting where flush installation is not necessary or desirable. Specify Fig. 1286.

Manufactured of chrome plated marine zinc alloy and covered by the PERKOPLATE warranty.

PERKO®

NEW RIM LATCH SET



Fig.
1279

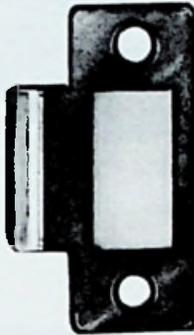
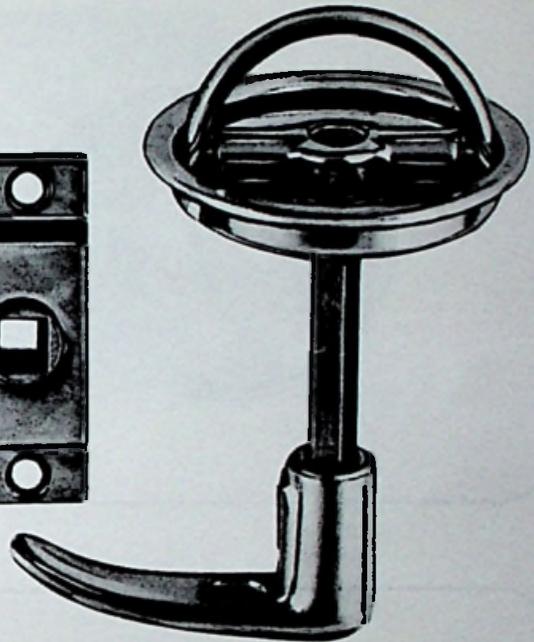
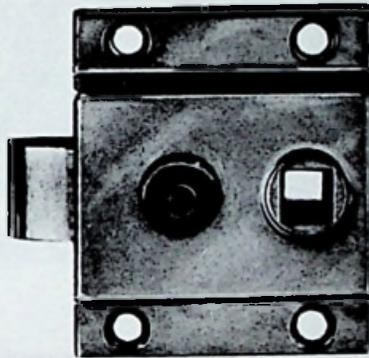


Fig.
1280



Knobs protruding from doors in the companionway are no longer a problem with the introduction of our newly designed Rim Latch Sets, Figures 1279 and 1280.

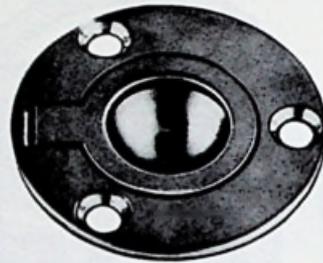
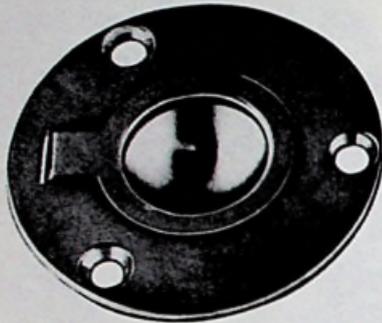
The flush cup style latch is easily installed in doors 3/4 to 1-1/8 inches thick. Figure 1279 comes with regular bevel and box strike, Figure 1280 has a reverse bevel and flush strike.

Also included, is a black plastic spacer, which can be mounted under the cup in the event the door thickness does not allow flush installation.

Manufactured of chrome plated marine zinc alloy and covered by the PERKOPLATE warranty.

PERKO®

NEW FLUSH RING PULL



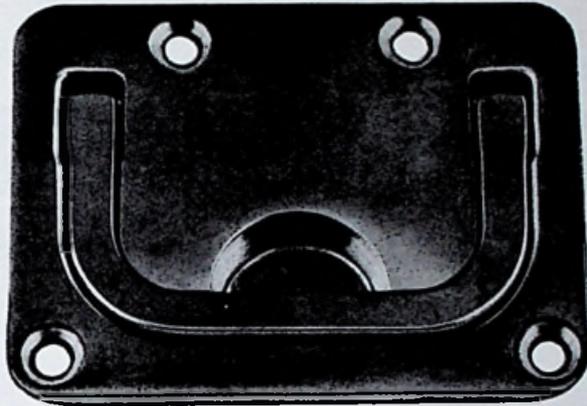
The latest addition to our line of quality marine hardware is Figure 1232 Round Body Flush Ring Pull.

The round body allows for faster and easier installation and is usable in a wide variety of applications. Available in two sizes, 1-5/8 inches and 2 inches in diameter.

Manufactured of die cast zinc alloy and finished with the PERKOPLATE Chromium Plating Process.

PERKO®

IMPROVED HATCH LIFTING HANDLE



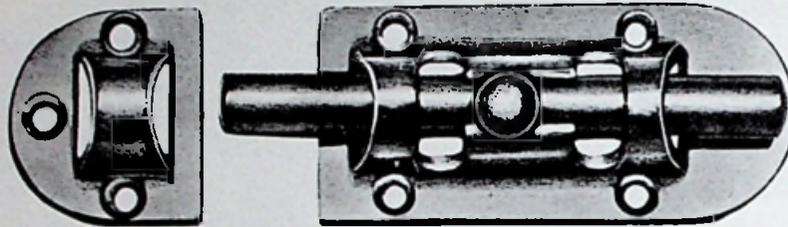
Flush mounted installation is more easily accomplished with the addition of rounded corners to select models of hatch lifting handles.

Rounded corners will allow the installer to cut a recess with a standard router bit without the need for extra filing or trimming of the mounting area. When surface mounted the round corners reduce the chances of stubbed toes or damage to objects on the deck area.

Models affected by this change are Figure 776 Sizes 1 and 2, Figure 1220, Fig. 575 and Fig. 1103.

PERKO®

IMPROVED BARREL BOLT



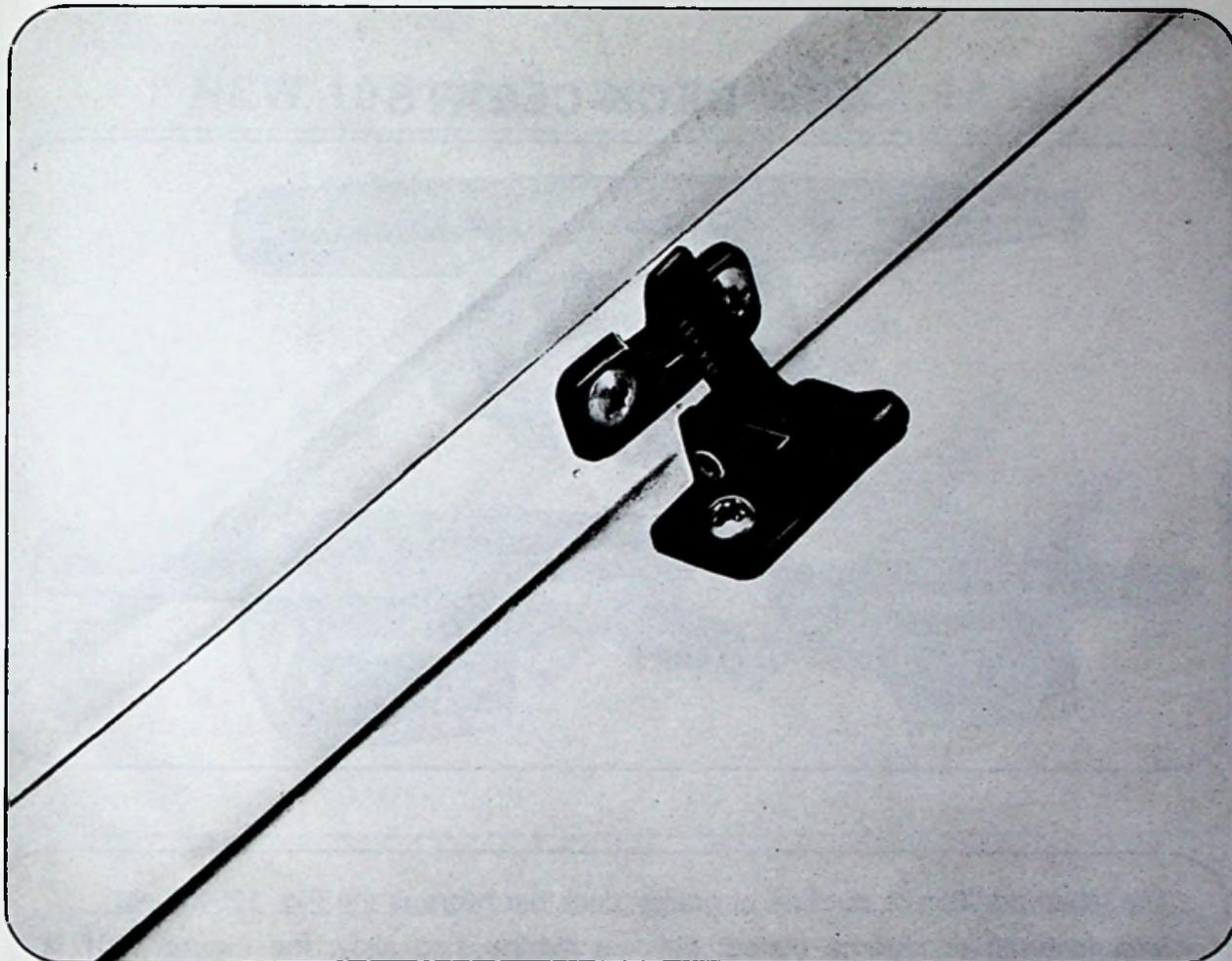
An innovative improvement made to the Figure 947 barrel bolt will increase its effectiveness and broaden the range of possible applications for its use.

The improved barrel bolt will be provided with a plastic friction pad to be installed underneath the rod, insuring a more positive action. This will keep the bolt from rattling or vibrating out of its position.

The Figure 947 barrel bolt comes in three sizes and is offered in either plain bronze or chrome plated finishes.

PERKO®

NEW ELBOW CATCH



We have eliminated metal springs and metal to metal moving parts in our new Figure 1021 Elbow Catch. This improvement will allow a longer functional life without the effects of corrosion.

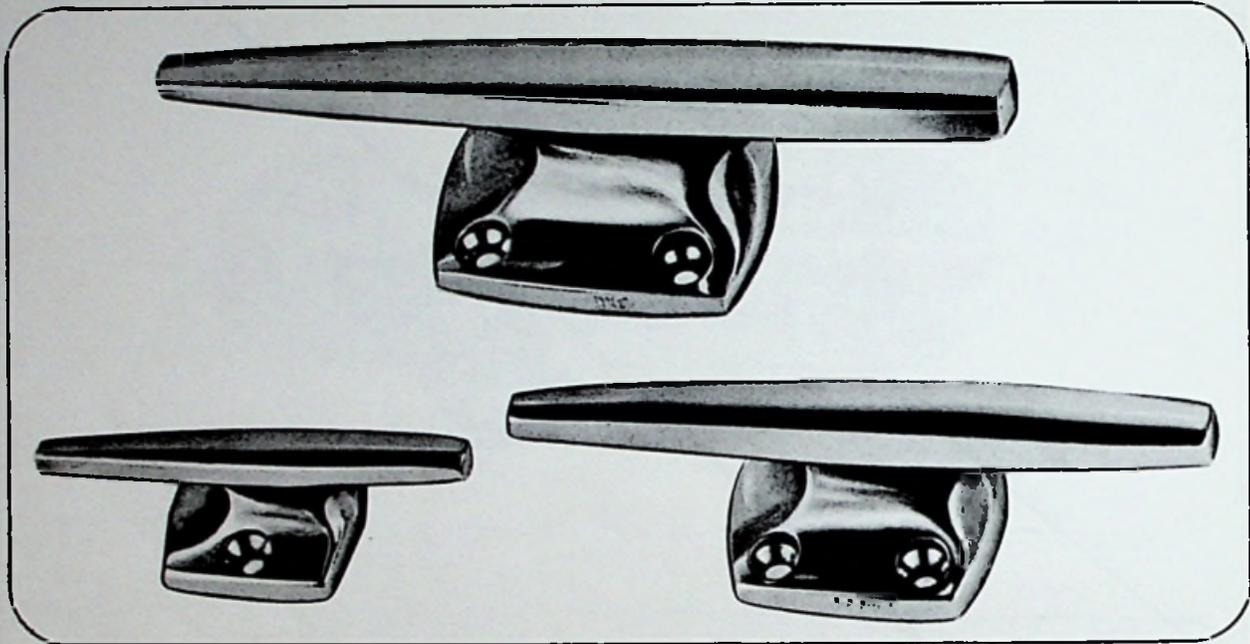
This new elbow catch is made of a tough plastic material with the spring action molded right in.

Installation will also be easier with slotted mounted holes on both the catch and the keeper allowing adjustment of either part for proper alignment.

Figure 1021 Elbow Catch is useful in a wide variety of applications to hold drawers and cabinet closed.

PERKO®

NEW DECK CLEATS



The latest addition to our line of quality deck hardware is the Fig. 1251 Cleat.

Manufactured of chrome plated, die-cast marine zinc alloy, the Figure 1251 is guaranteed to maintain its luster and brightness for as long as the original consumer-purchaser owns it.

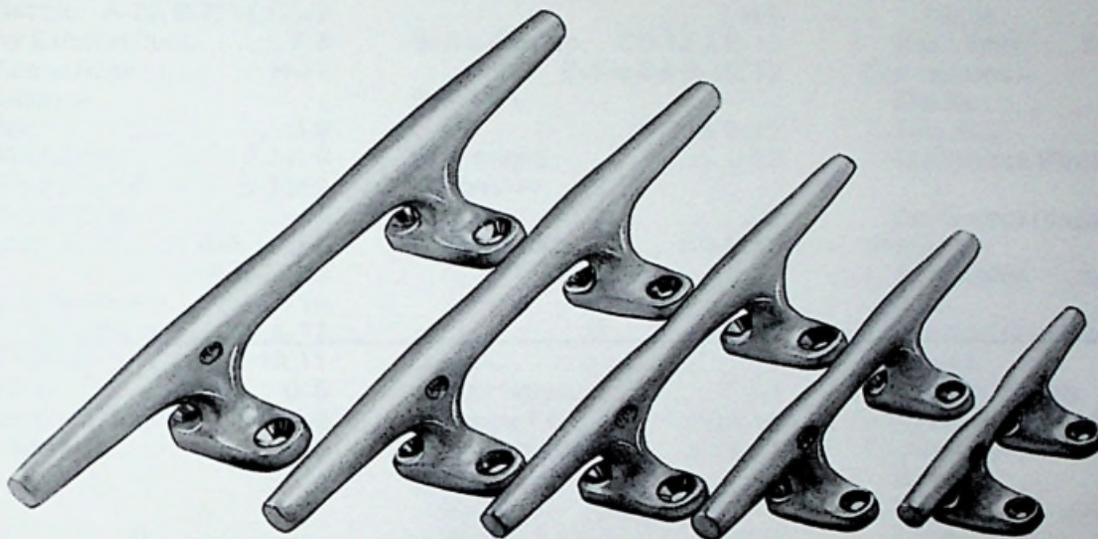
The moderate price of this new cleat will make it popular with the manufacturers of small boats as well as consumers.

Available in three sizes.

Size	Overall Length
3	3 Inches
4	4½ Inches
6	6 Inches

PERKO®

NEW 10'' AND 12'' YACHT CLEATS



A traditional design in Yacht Cleats, the Figure 1188 is now available in five sizes for most pleasure vessels.

Manufactured of die cast marine zinc alloy and chrome-plated, they are covered by the PERKOPLATE warranty, guaranteed to maintain their original luster and brightness for as long as the original consumer owns them.

Available in 4, 6, 8, 10 and 12'' sizes.

PERKO®

PERKO

NEW 108 WIND LIGHT CLEAR



NOTE

For New and Improved Small Boat and Commerical
Navigation Lights See Revised Sections A and B.

Elbow Catches..... J-6
 Electric —
 Adapters..... A-20, B-7, 12,
 CD-9
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 CD-12, E-10
 Cabin Fixtures... CD-14 to 19
 Connections..... CD-11
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