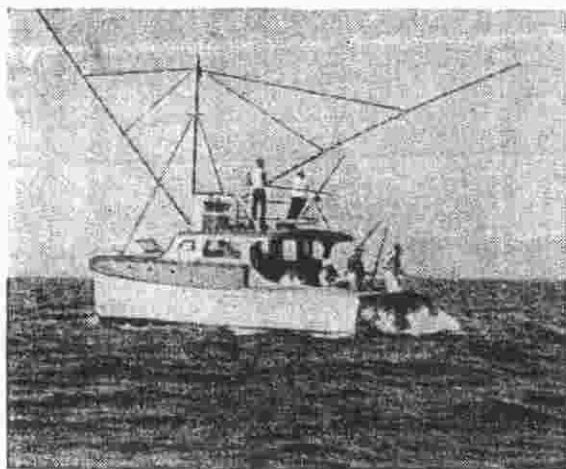




# PENN REELS

CATALOG  
No. 9

## » SALT WATER SPORT FISHING «



### THE SEA BECKONS

All along the Atlantic, Gulf and Pacific coast of our continent countless thousands of anglers enjoy the sport of salt water fishing. Indeed our coastal waters offer a variety of fishing superior to any throughout the world. From the small pan fish to the big game fish, from the cold water fish to the tropical species (see page 24), they all roam our waters to furnish exciting and healthful sport. Be it fishing the bays and inlets, or casting into the surf, or deep sea fishing, or

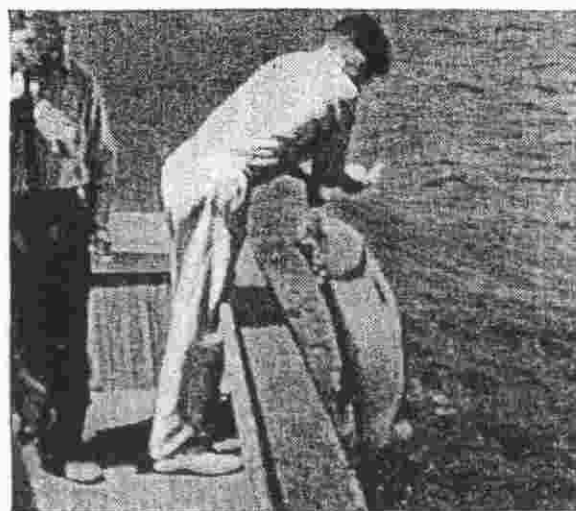
trolling offshore for big game fish, there are many favored spots along our shores, which truly can be called the angler's Paradise.

### THE MOST ANCIENT SPORT

Fishing is the most natural sport, dating back to the time when men lived in caves, never shaved and ate their meat raw. That is why fishing appeals to so many of us, because our ancestors have been fishing for centuries, and because the love of the chase is in our blood. And maybe because the cave men didn't shave and lived a hard life is the reason why today's Fishermen hate to shave and endure hardships willingly for the sake of the sport. We can't help but love to go fishing.

### TAKE A BOY FISHING

The fishing bug bites us at a very tender age in life. It is a rare boy of five or six who would not show interest in a fishing expedition. Indeed the country boy of ten or twelve who does not go fishing is a rare case. Fishing appeals to young and old alike, so don't leave the boys at home; take a boy fishing and don't forget the girls either.



Releasing Tarpon  
By Members of the Penn Reel Co.

### FISH FOR THE SPORT

Let's not forget that there should be just as high a code of ethics in salt water fishing as in any other sport. Fish for the sport of CATCHING fish. Catch all you can, but why KILL all the fish that will not be used. Set your own limit and RELEASE fish to furnish sport in the future. Most game fish can be returned to the water unharmed. Let's not overlook the fact that the supply of game fish can be reduced to the point of extinction. Don't be a FISH HOG.

## » SURF CASTING AND SQUIDDING «

### THE CALL OF THE SURF

Surfcasting is the fine art of salt water fishing. It is a healthful, sporty way to take fish. The hours spent on the wide beach, casting your bait far out into the mysterious ever pounding surf and never to be sure what might hit your lure; the exciting feel of the strike, the anxious moments of the fight and successful landing of the fish are thrills that bring the keenest enjoyments to the fisherman's heart.

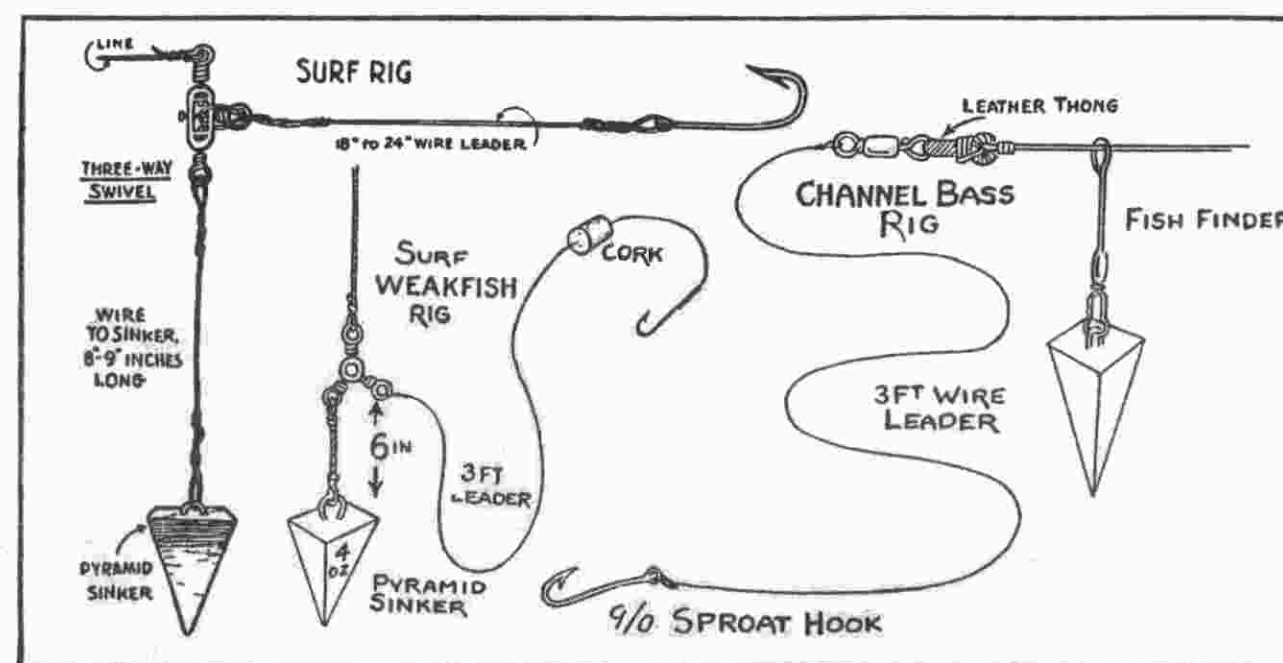


Surf fishing requires a certain degree of expertness. Anyone can catch fish when fish are plentiful, but the skilled angler will take more, and when fish are scarce it is the experienced angler who will get the fish.

Surf fishing tackle usually consists of a surf rod with a six or seven foot tip, mounted with one guide and a reversible tip top, fitted to a spring butt 30 to 42 inches long. The reel must be of the free spool multiplying type, preferably with the take apart feature and the Star Drag attachment. For long casts a reel fitted with a light weight spool of small diameter is of great help. This type of reel also reduces the danger of backlashes. Lines used are about 200 yards of either nine or twelve thread linen line. A rod socket and a sand spike are necessary equipment.

In squidding the fisherman casts a metal squid or feather lure out into the slues or on the edges of the sandbar, retrieving it as in plug casting in fresh water. While surf casting tackle is good for squidding, the reel should be of speedy action with a gear ratio of 3 to 1.

### SURF FISHING RIGS



## » GAME FISH TROLLING «



### THE THRILL OF GAME FISHING

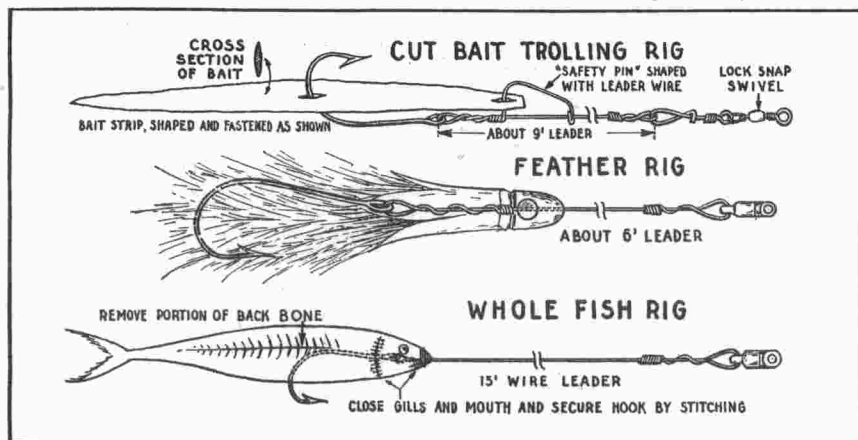
To battle the terrific rushes of a powerful game fish is the fulfillment of a lifetime dream of every fisherman, and will truly provide the angler with never-to-be-forgotten thrills. Whether it be Sailfish, Marlin, Tuna or Swordfish, the anxious moments of the strike, the hard give and take battle following, matching your strength and wits against the mad

and untiring efforts of the fish trying to gain freedom; and finally, when you are ready to admit defeat, the successful boating of the fish all provide the angler with thrills not to be experienced in any other kind of fishing.

Much of the thrill of the sport is lost by not using proper and well balanced tackle for the species of game fish sought. The size of the line should be governed by the ethical codes of good sport fishing. The rod should be of the proper weight and length to be in accord with the line. The reel should only be large enough to hold the required length of the line. The length and size of the leader should be within reasonable bounds, and when using double line, the length of the double line must not exceed the length of the leader.

The suggestions in the tackle chart on page 14 are not made to put down any law, but solely governed by the ethics of good sportsmanship and to deliver the utmost thrill in this sport. The tackle specifications in this chart are not intended to conflict with any existing rules of fishing clubs nor to belittle the spirit of the ultra light tackle enthusiast.

### TROLLING RIGS



## » DEEP SEA BOTTOM FISHING «

### A GLORIOUS PASTIME



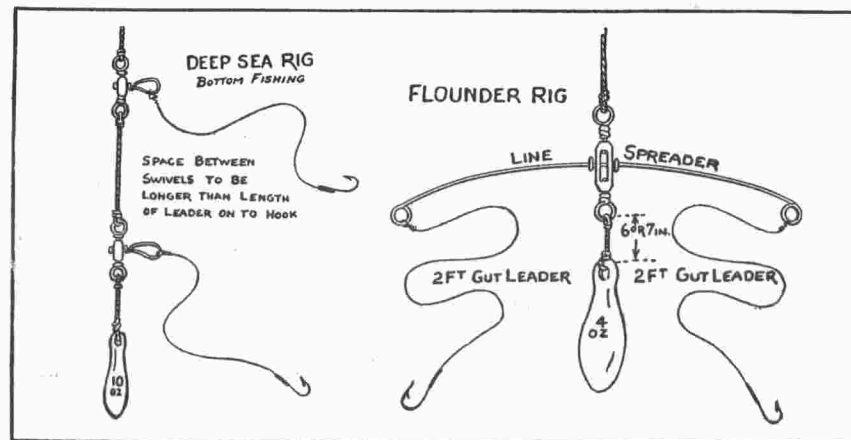
Of the many forms of salt water fishing, offshore bottom fishing or so-called deep sea fishing attracts by far the greatest number of sportsmen. Boats of all descriptions from small boats to the big party steamers take thousands of fishermen to offshore fishing grounds for a day's pleasure at very little expense. This kind of fishing is popular because the sport is not limited to seasons. As the water temperature changes, some species of fish will migrate and others appear, thus furnishing practically all the year round sport.

Efficient guides take the fishermen off shore and anchor the boat at a likely spot, the so-called grounds. Here is where a variety of fish feed at the bottom, due to certain conditions of the ocean floor, which make these spots natural feeding grounds. Fishing is done by baiting the hook with natural bait and letting the bait sink to the bottom. For this reason a lead sinker of various weight, depending on the depth of the water and the tide running, is attached to the line.

A good bottom fishing outfit is inexpensive and consists of a short two-piece boat rod five to six feet in overall length, a multiplying salt water reel, 50 to 200 yards of linen line from 9 to 15 threads, snelled hooks, swivels and sinkers. Various natural baits are usually supplied by the party boats. Below are shown some commonly used bottom fishing rigs.

On page 8 are shown *Deep Sea Reels* designed for bottom fishing, especially for deep water fishing. These reels are made in one size only, but in three different styles to meet all requirements. The high gear ratio, providing for speedy action, and the oversize handle with torpedo grip will give the fisherman the utmost satisfaction and we highly recommend these specially designed bottom fishing reels. Also for wire line fishing these reels are excellent.

### BOTTOM FISHING RIGS



FISH FOR THE SPORT—SET YOUR OWN LIMIT—RELEASE THE FISH



# Penn » Surf and Squidding Reels «

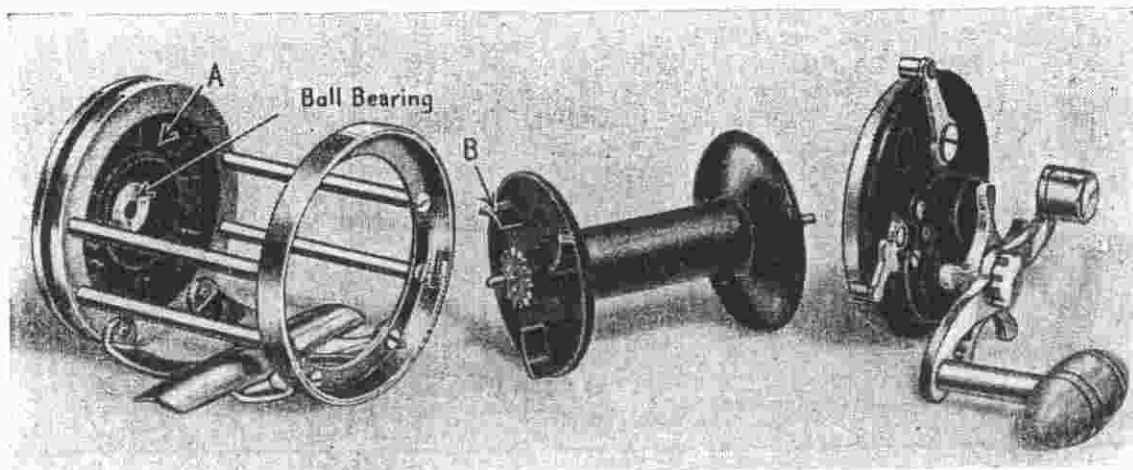


## SURFCASTING REELS

The reels illustrated on this page are designed by surfmen for surfmen and are very popular wherever a surfman wets his line. These reels are made in three different sizes, for light, medium and heavy fishing. By far of greatest importance in a casting reel is the spool. Penn Plastic spools are extra light in weight, small in diameter and extra wide for line capacity. These spools are excellent for long casts and also greatly reduce the danger of back-lash. In addition these spools are

100% salt waterproof and great line savers, as the line does not come into contact with any metal. All reels on this page have the quick-to-take-apart feature for cleaning should sand get into the reel, which often happens in surfcasting. All reels are fitted with 2 interchangeable spools allowing the surfman to carry, ready for use, an extra spool of line for quick replacement of a worn line or changing to a different size line without the loss of precious fishing time. Our attached rod clamp feature insures rigidity of the reel, which is especially helpful when using Calcutta rods. The high gear ratio of these reels provides for just the right speed in squidding. The star drag is designed to tackle game fish and is very smooth in action, eliminating the danger of breaking line or rod.

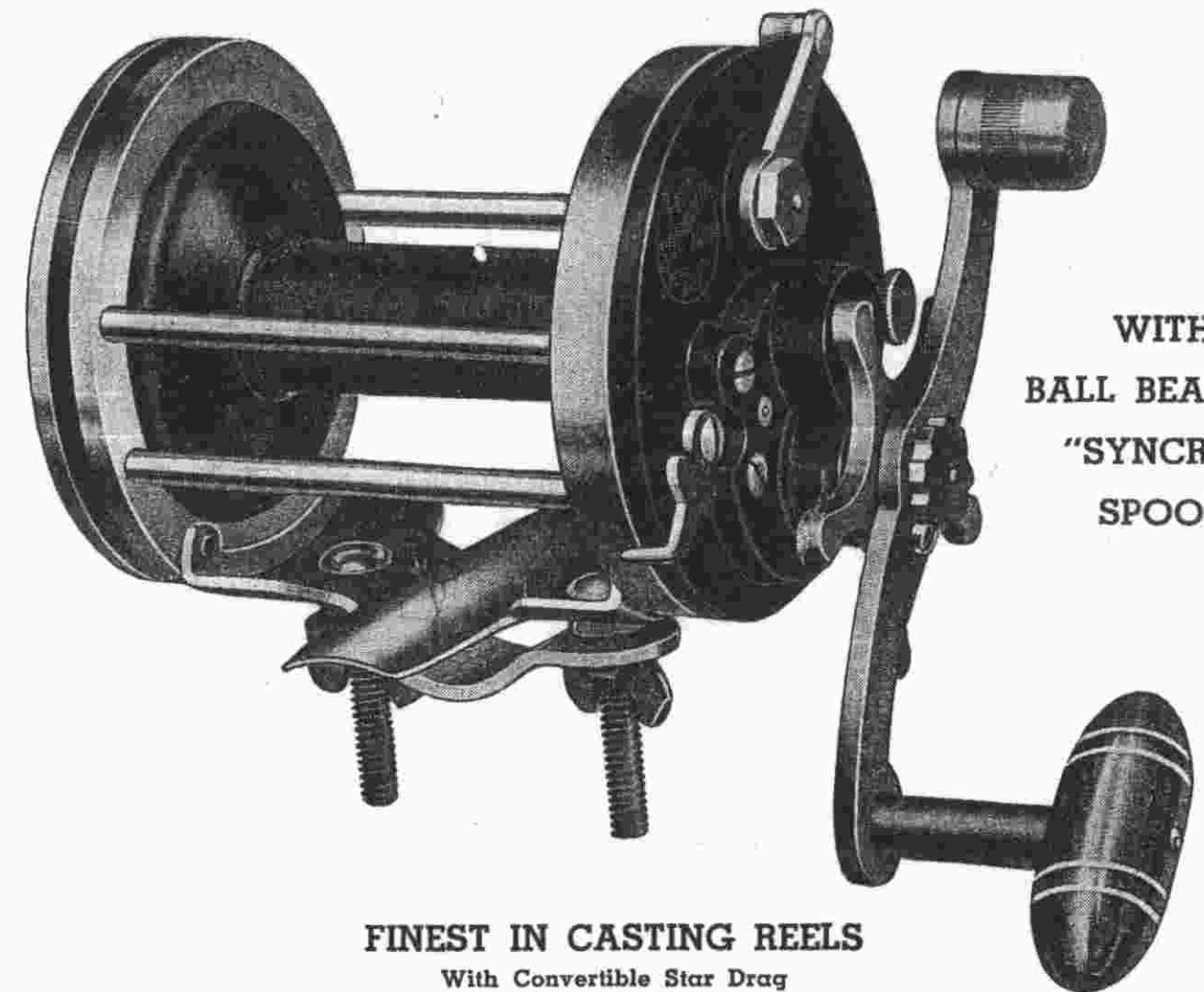
## TAKE APART CONSTRUCTION



## PENN SQUIDDER "AIR BRAKE"

Details of construction on page 21

## » PENN SQUIDDER « WITH 2 "AIR BRAKE" SPOOLS



WITH  
BALL BEARING  
"SYNCRO"  
SPOOL

**FINEST IN CASTING REELS**  
With Convertible Star Drag

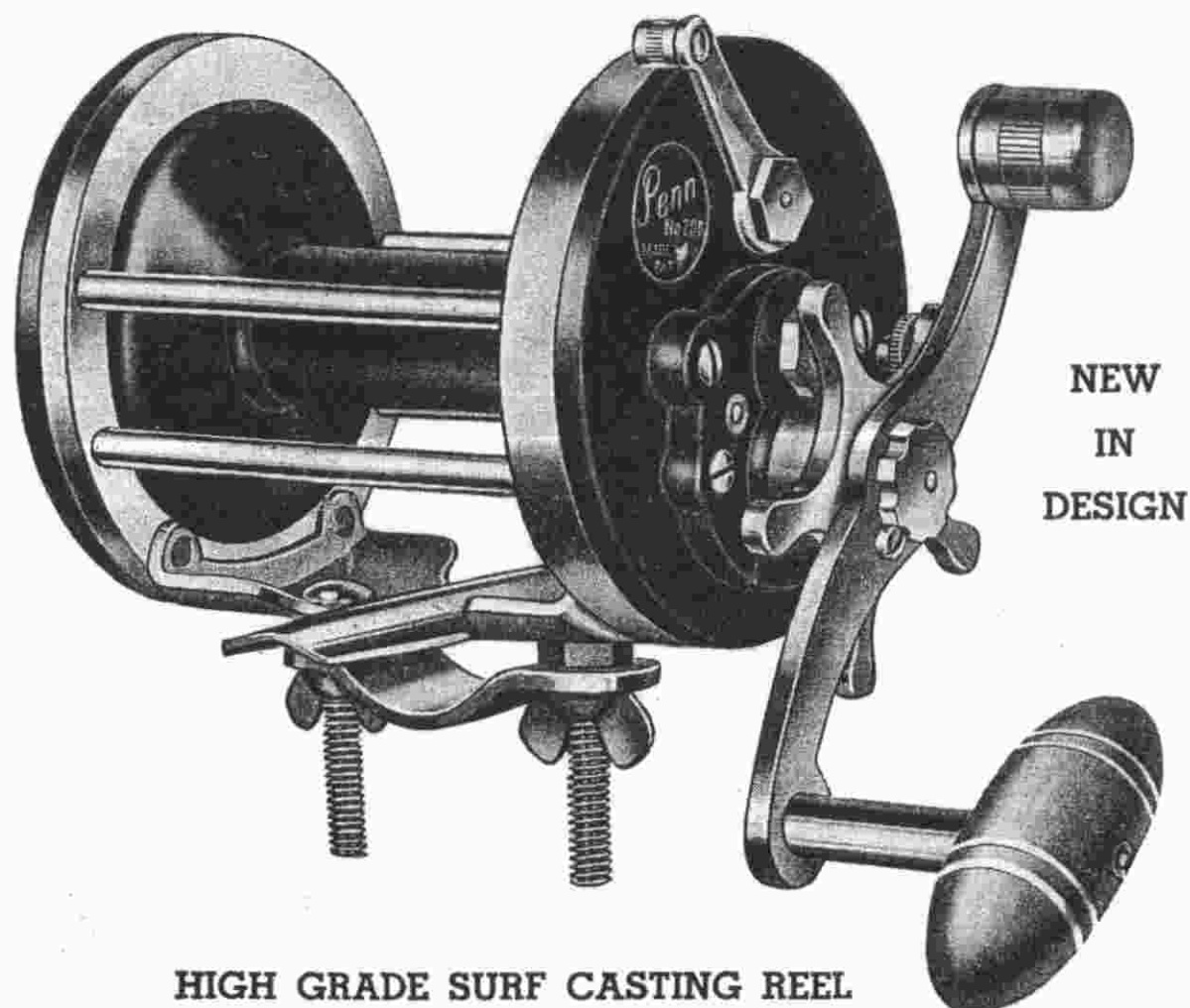
No. 140—With 2 synchronized spools, cap. 200 yds. No. 9 .....\$25.00  
No. 140L—Left hand model ..... 27.00

The Penn Squidder is the last word in reel design. It has the casting ability of a tournament reel built for fishing. This reel is equipped with our patented synchronized light weight spool (2 oz.), which is of small diameter ( $2\frac{1}{8}$ " ) and great width ( $2\frac{7}{8}$ " ). Runs in frictionless ball bearings, and is equipped with our patented air brake to reduce backlashes. Due to the large spool arbor ( $\frac{3}{4}$ " diam.) it is not necessary to build up the spool with idle line. This reel is equipped with our patented convertible star drag, and can be fished with or without drag at the fisherman's will by the flip of a lever. The stainless steel gears multiply  $3\frac{1}{3}$  to 1 for fast reeling. Frame is light in weight, made of nickel-silver and has the easy-take-apart feature. End plates are  $2\frac{3}{4}$ " in diameter and weight of reel is 17 ounces.

PENN PLASTIC LIGHTWEIGHT SPOOLS ARE EXCELLENT FOR CASTING

# with Easy-Take-Apart Feature and Extra Interchangeable Spool

## » SURFMASTER « WITH 2 "EASY-CAST" SPOOLS



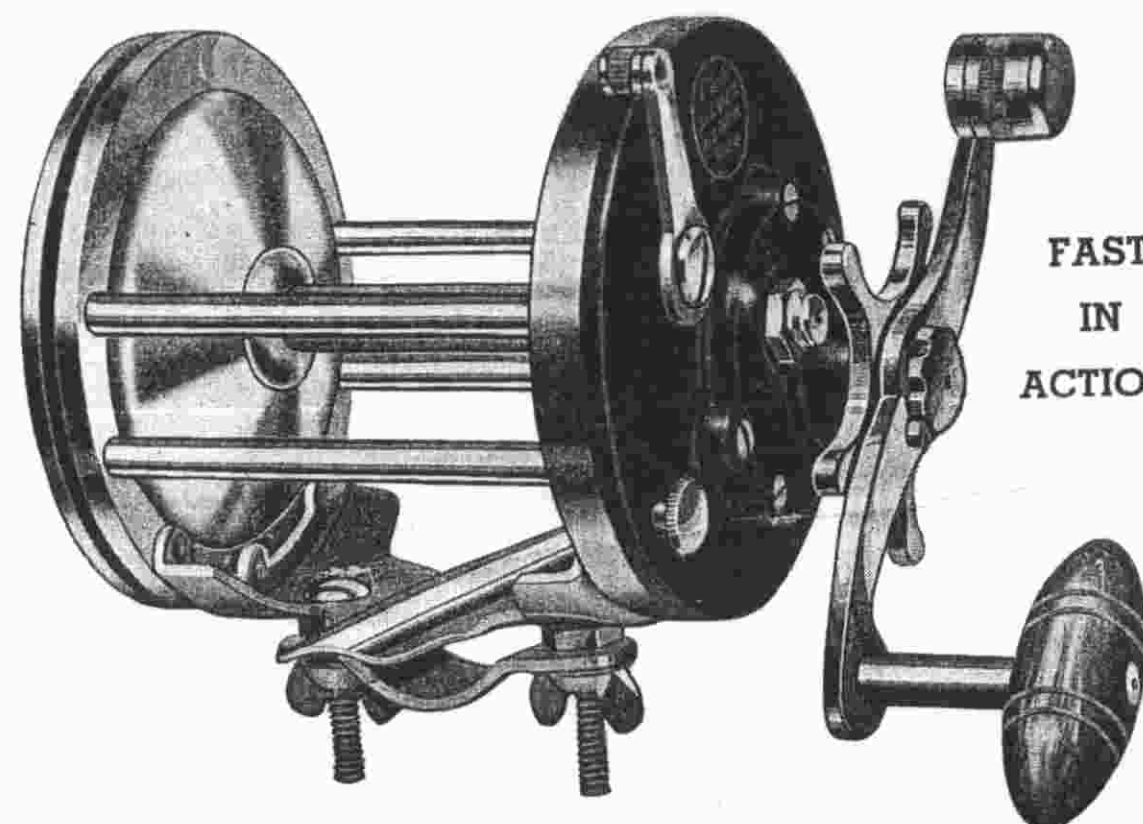
NEW  
IN  
DESIGN

### HIGH GRADE SURF CASTING REEL Made With or Without Star Drag

No. and Cap. of Reel	Type of Reel	Style of Fishing	Plate Diam.	Spool Width	Weight of Reel	Price Each
150—200 yds. No. 6	Star Drag	Light	2 $\frac{3}{4}$ "	2 $\frac{1}{8}$ "	17 oz.	\$11.00
151—200 yds. No. 6	Without Drag	Light	2 $\frac{3}{4}$ "	2 $\frac{1}{8}$ "	16 oz.	9.00
200—200 yds. No. 9	Star Drag	Medium	2 $\frac{3}{4}$ "	2 $\frac{1}{8}$ "	18 oz.	12.00
201—200 yds. No. 9	Without Drag	Medium	2 $\frac{3}{4}$ "	2 $\frac{1}{8}$ "	17 oz.	10.00
250—200 yds. No. 12	Star Drag	Heavy	3 $\frac{1}{8}$ "	2 $\frac{1}{8}$ "	19 oz.	13.00

The Surfmaster reel is built along the lines of the Squidder reel, but held at a price within everybody's reach. Made in 3 sizes for light, medium and heavy fishing. This reel is light in weight, speedy in action and excellent in casting for bait fishing and squidding. All reels are equipped with 2 EASY-CAST light weight spools. Gears are triple multiplying. Frame is made of nickel-silver and chrome-plated.

## » SILVER BEACH « WITH 2 METAL SPOOLS



FAST  
IN  
ACTION

### HEAVY DUTY SURF AND SQUIDDING REEL Made With or Without Star Drag

No. 97—250 yds., Star Drag; Weight 21 oz.	\$10.00
No. 98—250 yds., without Drag; Weight 20 oz.	8.00
Left hand model at extra cost of	1.00

The Silver Beach reel is very popular with surfcasters everywhere. It is designed for heavy duty surfcasting and squidding, and equipped with 2 metal spools to provide for the use of different size lines. Reel can easily be taken apart for cleaning. Gear ratio is 3 to 1 for fast action. End plates are double metal bound and small in diameter (3 $\frac{1}{8}$ "). Spool width is 2 $\frac{1}{8}$ ". An attached rod clamp insures rigidity of the reel under all conditions. Frame is made of nickel-silver and chrome-plated. Line capacity 200 yds. No. 12 or 250 yds. No. 9.



Old Light at  
Cape Hatteras, N. C.

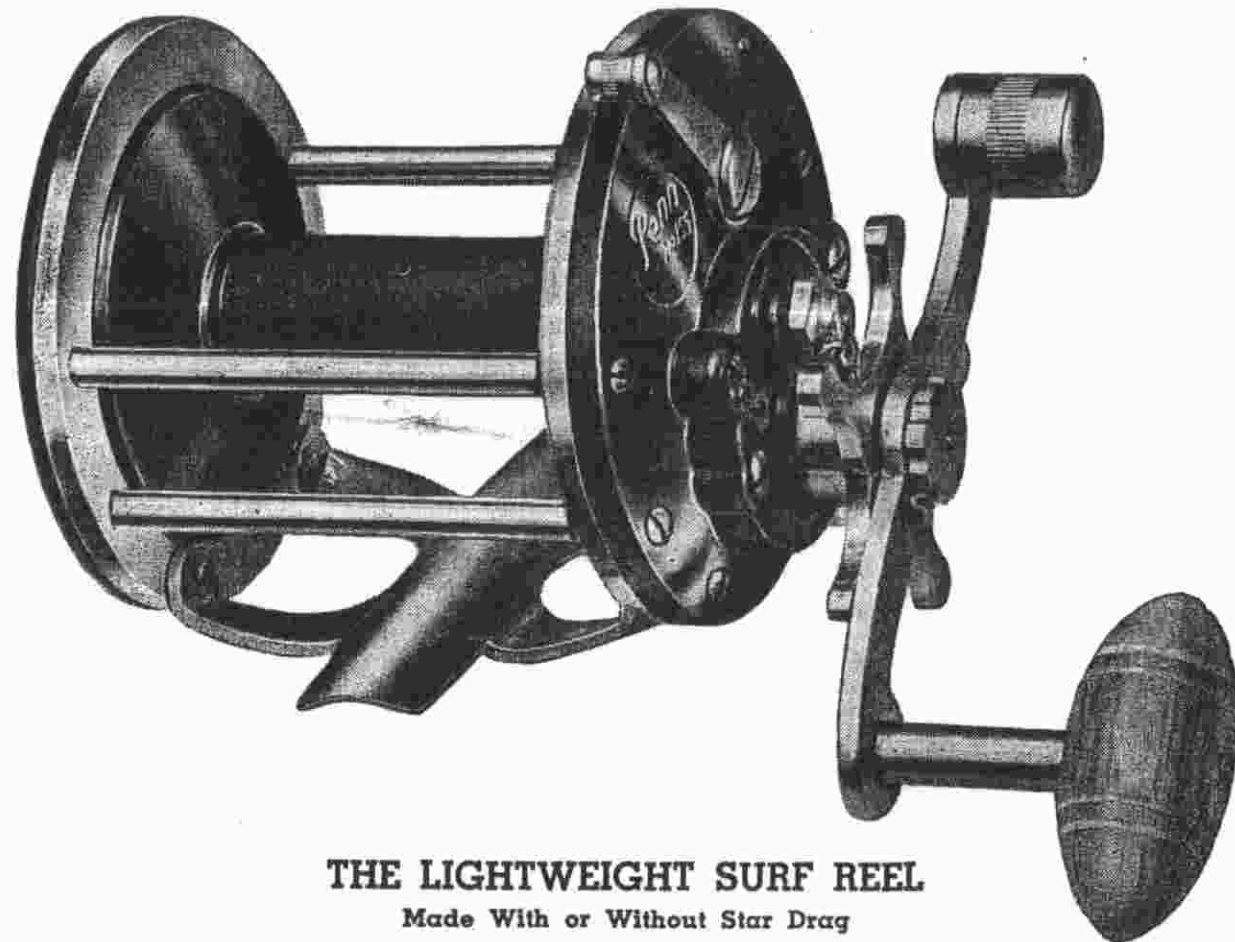
PENN PLASTIC LIGHTWEIGHT SPOOLS ARE EXCELLENT LINE SAVERS

# Penn » Light Tackle « Casting Reels

200 Yard

## » LIGHT TACKLE SURF REEL «

With "EASY-CAST" Spool



**THE LIGHTWEIGHT SURF REEL**

Made With or Without Star Drag

No. 155—Star Drag; cap. 200 yds. No. 9, weight 14 oz. ....\$7.00

No. 156—Without Drag; cap. 200 yds. No. 9, weight 13½ oz. .... 6.00

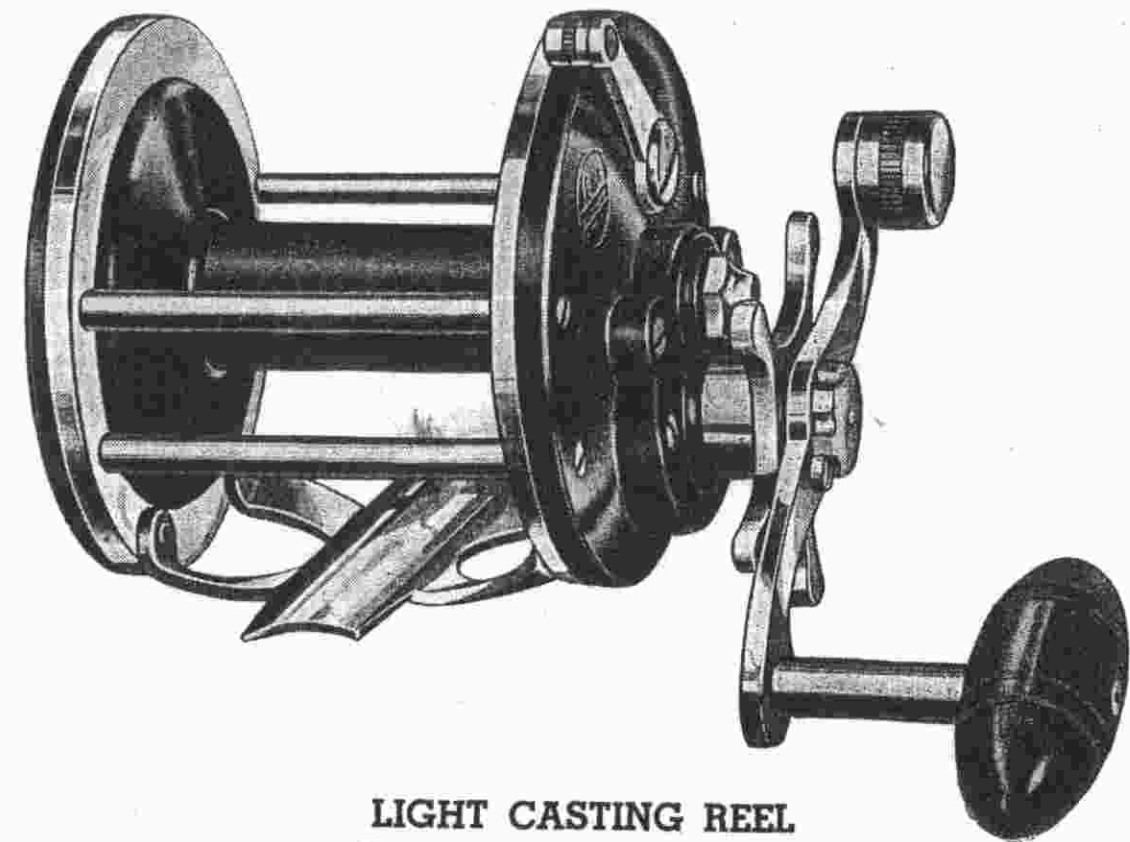
Small, light weight reels especially designed for light tackle fishing. Ideal reels for 3/6 tackle. Equipped with our light weight and corrosion-proof "EASY-CAST" spools 2 7/8" wide. These spools are excellent for distance casting and reduce backlashes. The non-strip gears are triple multiplying for speedy action. Made with and without star drag. Frame is light in weight but sturdily built. End plates are streamlined, metal bound and small in diam. (2 3/4"). Equipped with free spool clutch, torpedo handle and One Shot lubricating system.

*The increasing use of light rods demands lighter reels. In the new light casting reels all overweight is eliminated by the combination of wider spools and small streamlined end plates. Ideal reels for light tackle fishing.*

150 Yard

## » LIGHT TACKLE CASTING REEL «

With "EASY-CAST" Spool



**LIGHT CASTING REEL**

Made With or Without Star Drag

No. 160—Star Drag; cap. 150 yds. No. 9, weight 13½ oz. ..\$6.00

No. 165—Without Drag; cap. 150 yds. No. 9, weight 13 oz. .. 5.00

Small, light weight reel, excellent for light casting, top and bay fishing. Capacity 150 yds. No. 9 or 200 yds. No. 6 line. End plates are streamlined, metal bound and beautifully engraved. The light weight frame is 2 3/4" in diameter. The spool is light in weight, 2 1/8" wide, weighs only 2 oz. and gets off to a flying start with less effort, which is very helpful when using light lures. As the arbor of these spools is of greater diameter, it is not necessary to build up the spool with idle filler line which only adds undesirable weight to the spool and impairs the casting ability.

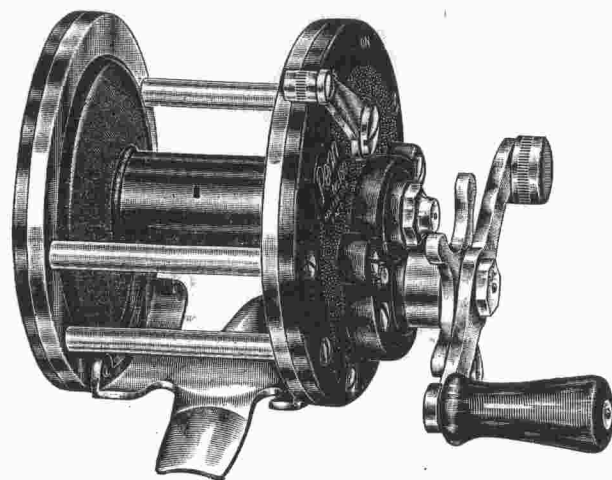
PENN PLASTIC LIGHTWEIGHT SPOOLS DO NOT REQUIRE IDLE FILLER LINE



# for Surf and Bay Fishing

## with » Easy-Cast « Lightweight Spools

### 100 Yard » EXTRA LIGHT CASTING REEL « With "EASY-CAST" Spool



**IDEAL BAY REEL**  
Made With or Without Star Drag

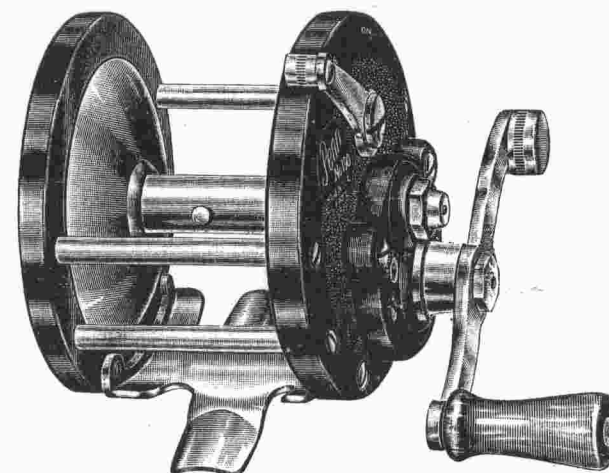
- No. 180—Star Drag—Weight 11½ oz. ....Price \$5.00  
No. 185—Free Spool—Weight 11 oz. .... 4.00

A small light weight reel that will add greatly to the pleasure of light tackle fishing. Capacity 100 yards of No. 9 or 150 yards of No. 6 line. Made with and without Star Drag. Adaptable to fresh and salt water rods. Sturdy reel but light in weight. The non-strip gears are triple multiplying for fast action. Equipped with free spool clutch, sliding click, and *One Shot Lubrication*. End plates are streamlined and metal bound. Plate diameter 2¾", spool width 1½".



39¾ Lb. Striped Bass  
Caught by Ed. Hultberg  
Plainfield, N. J.

### 100 Yard » LIGHT TACKLE BAY REEL « With Metal Spool



**POPULAR BAY REEL**  
Triple Multiplying

- No. 190—Free Spool—Weight 11 oz. ....Price \$3.00

Ideal reel for light tackle bay fishing. Capacity 100 yards No. 9 line. Reel seat fits fresh and salt water rods. The spiral cut gears are triple multiplying for speedy action. Free spool clutch is operated by a *snap* lever on rim. Spool end play can be taken up by an adjustable bearing. A sliding click provides for arresting spool. Reel can be lubricated from the outside. Metal parts are chromium-plated. The small streamlined end plates are beautifully engraved and 2¾" in diameter. The metal spool is chromium-plated and 1½" wide.

*On this page are shown the new small, extra light weight 100 yard reels, unsurpassed for bay fishing.  
In combination with light rods, these reels add greatly to the thrill of light tackle fishing.*

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WITH PENN PLASTIC LIGHTWEIGHT SPOOLS LINE CAN BE FISHED TO THE LAST INCH

# Penn » Narrow Spool « Reels

## REELS FOR DEEP FISHING

The narrow spool reels illustrated on this page are of a distinctly different design and are especially made for wire line deep trolling. Made in one size only, but in three different styles to meet all requirements. Linen line capacity is 250 yds. No. 12 or 200 yds. No. 15 or 150 yds. No. 18. Wire line capacity is 200 yds. of No. 10—.024" diameter or 300 yds. No. 8—.020" diameter of stainless steel or monel single wire. Twisted and braided metal line capacity is the same as linen line capacity in the corresponding sizes. The extra large end plates of these reels are  $4\frac{1}{8}$ " in diameter and the narrow spool is only  $1\frac{3}{4}$ " in width. Also the spool is fitted with an extra large  $1\frac{3}{4}$ " diameter winding arbor to prevent the kinking of the wire line. In addition the spool is very light, made of molded plastic and is 100% corrosion proof, as there is no metal to come in contact with the line. The reels are fast in winding and one turn of the handle takes in 2 to 3 feet of line. The handles are extra large (5") for easy winding. For deep fishing with wire line or linen line these reels are excellent.

No. 49 reel is a star drag reel equipped with our patented convertible star drag and can be fished as a star drag reel or free spool reel at the will of the fisherman. (See page 20.)

No. 149 reel is of the same general construction but without the star drag feature. The free spool clutch is operated by a snap lever, which is conveniently located on rim.

No. 249 reel is of the same size but without the free spool feature. Gears are triple multiplying for fast action.

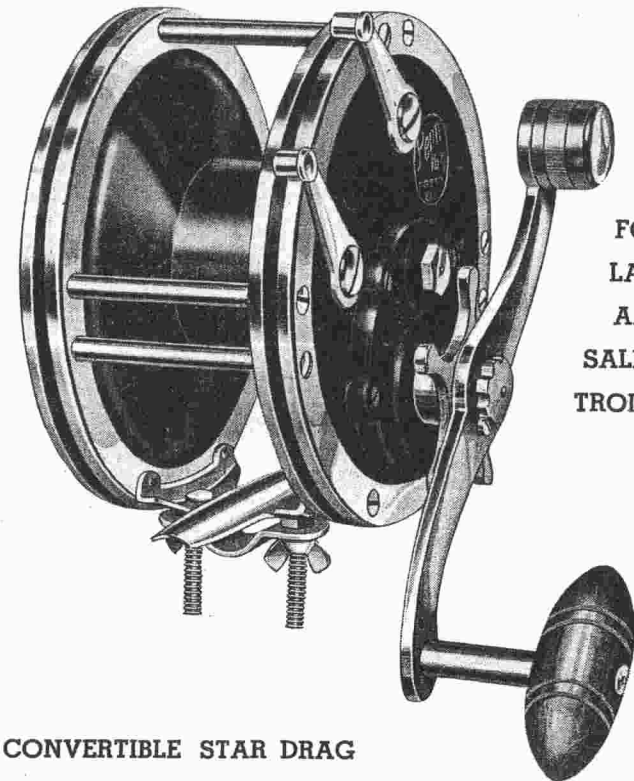
No. 249DM reel is of the same construction as the No. 249 reel but is fitted with double multiplying gears for slower and easier winding.



53 Lb. Prize Chinook Salmon  
Caught by J. S. Dickson, Cathlamet, Wash.

## » PENN No. 49 «

IDEAL  
FOR  
WIRE  
LINE  
TROLLING



FOR  
LAKE  
AND  
SALMON  
TROLLING

### CONVERTIBLE STAR DRAG

- No. 49—Convertible Star Drag .....Price \$10.00  
No. 49L—Left hand model .....Price 12.00

The No. 49 reel is a fast action reel with a gear ratio of  $3\frac{1}{2}$  to 1 and one turn of the handle winds in  $2\frac{1}{2}$  feet of line. This reel is equipped with our patented convertible star drag and can be fished as a star drag reel or free spool reel at the will of the fisherman. A flip of a lever converts the reel. (See page 20.) Gears are always in mesh and cannot strip. The oversize handle is fitted with our torpedo grip. End plates are double metal bound. Cross plate is fitted with an attached rod clamp. Metal parts are polished and chrome-plated. Weight of reel 28 oz.

PENN REELS ARE DESIGNED BY FISHERMEN FOR THE FISHERMEN



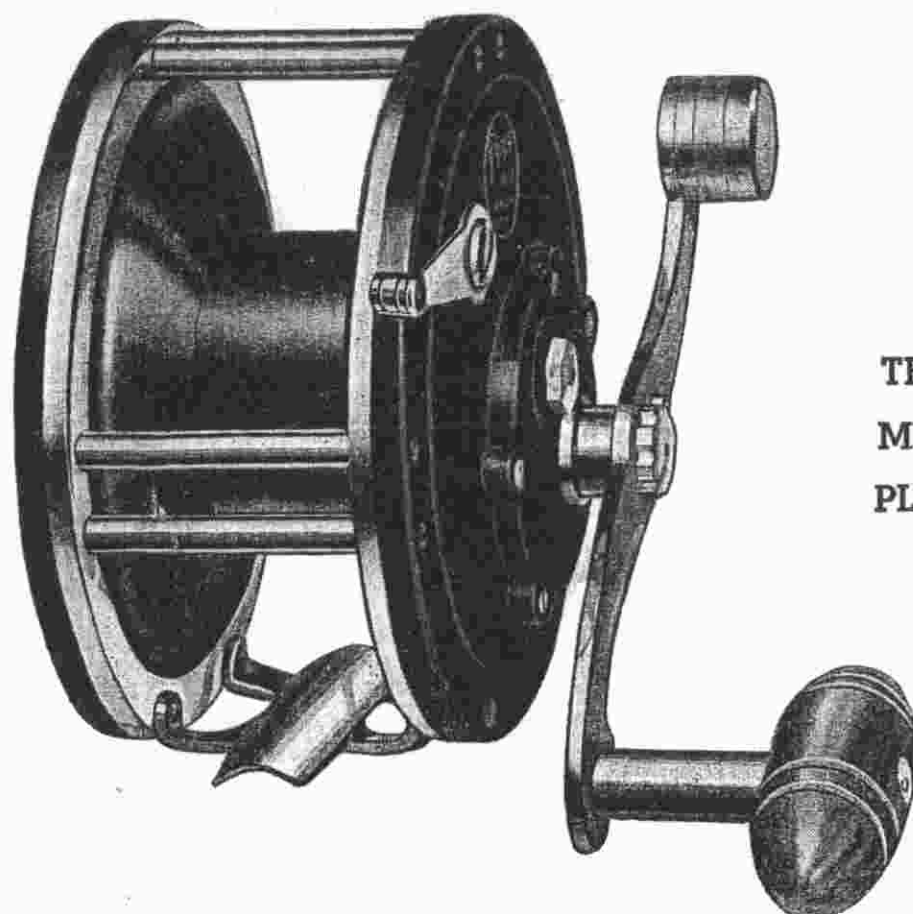
# for Wire Line Deep Trolling and Deep Sea Fishing

with large arbored fast winding Plastic Spools

» PENN No. 149 «

» PENN No. 249 «

RUST-  
PROOF  
SPOOL



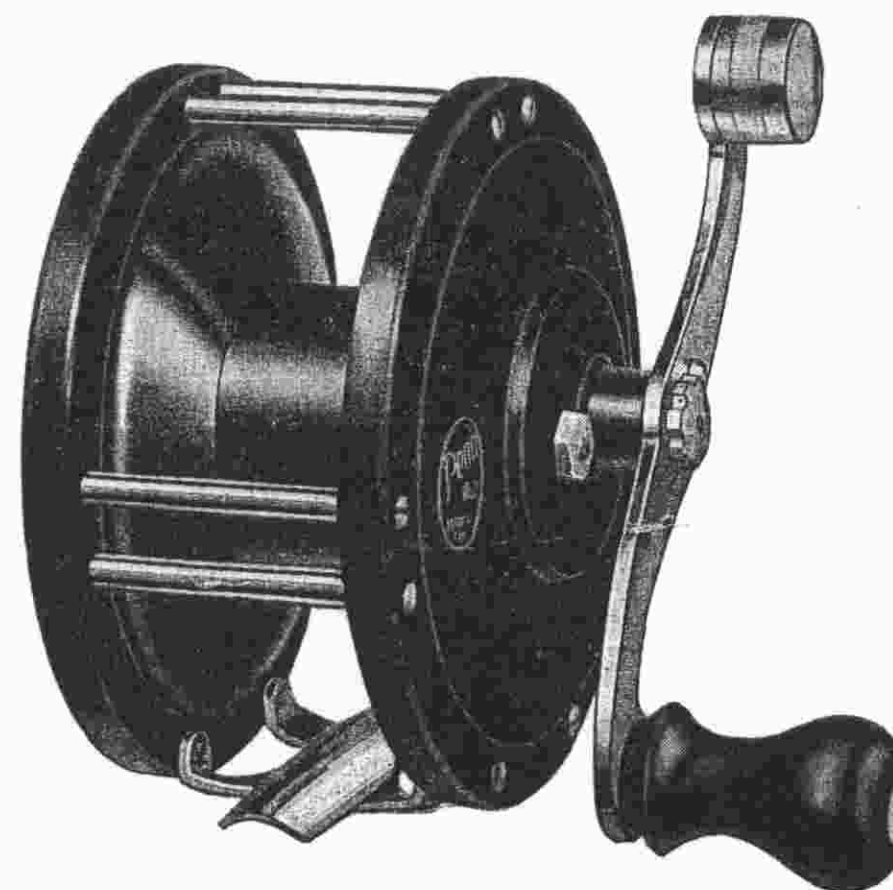
TRIPLE  
MULTI-  
PLYING

FREE SPOOL

No. 149—Free Spool .....Price \$7.00

The No. 149 is a free spool reel built along the lines of the No. 49, but is without the star drag feature. The free spool clutch is operated by a snap lever on rim. The steel gears are triple multiplying for fast action and cannot strip. The oversize handle is fitted with our slip-proof torpedo grip and one turn of the handle winds in 2 feet of line. End plates are metal bound. The molded plastic spool is light in weight, 100% salt water proof and fitted with a large diameter ( $1\frac{3}{4}$ " ) arbor for fast winding. Metal parts are hand polished and chromium-plated. Weight of reel 24 oz.

NEW  
IN  
DESIGN



FAST  
IN  
ACTION

TRIPLE MULTIPLYING

No. 249—Triple Multiplying .....Price \$4.00

No. 249DM—Double Multiplying .....Price 4.00

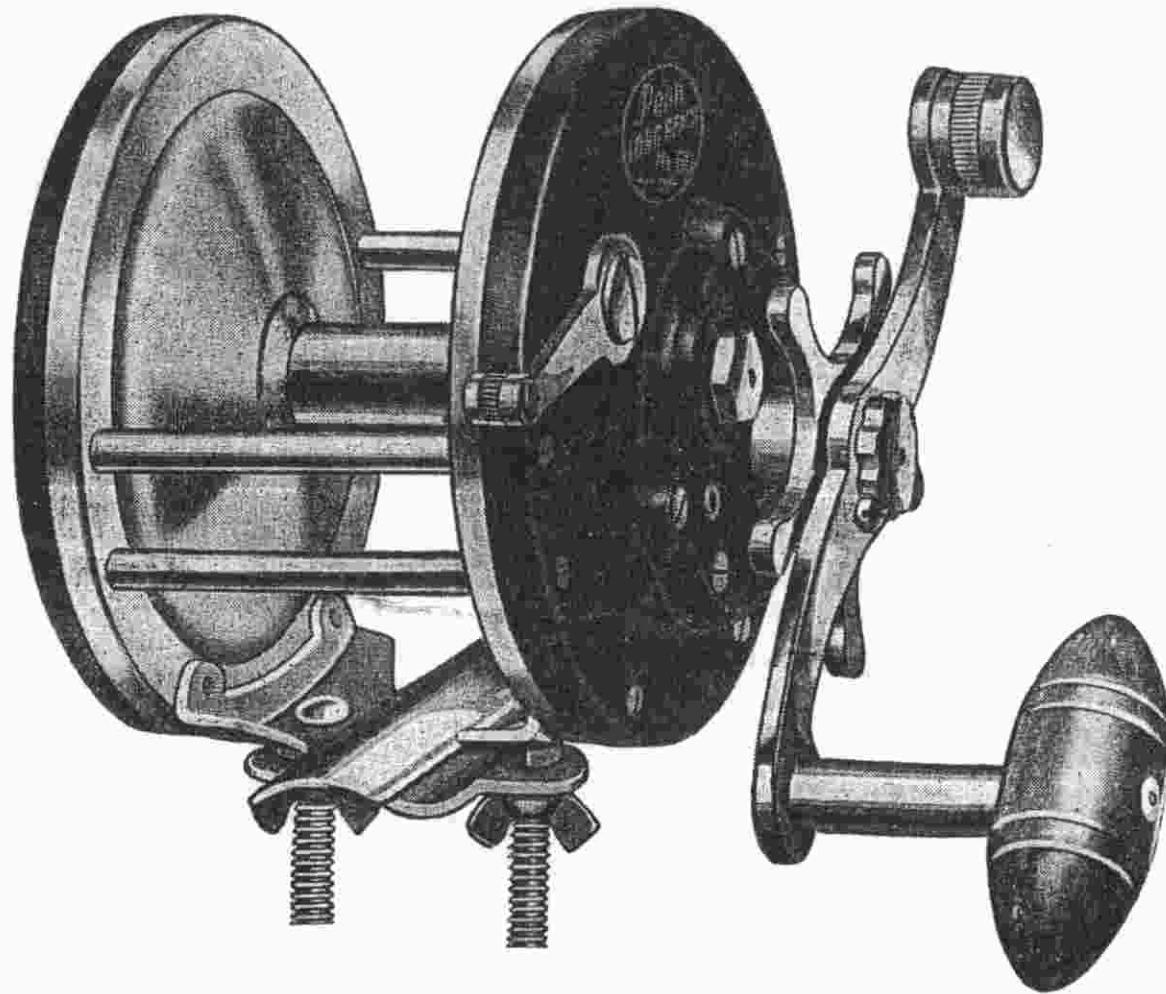
The No. 249 reel is a fast action reel without the free spool arrangement. Ideal reel for deep lake trolling and deep sea fishing. Spool is light in weight and cannot rust. Handle is oversize. Back plate is fitted with an adjustable click. Frame is reinforced with double pillars. Metal parts are polished and chrome-plated. Weight of reel 18 oz.

No. 249DM reel is of the same construction, but double multiplying for slower action. Ideal reel where easy winding is preferable to fast action.

PENN REELS HAVE MANY PATENTED IMPROVEMENTS

# Penn » Universal « Star Drag Reels

## » LONG BEACH «



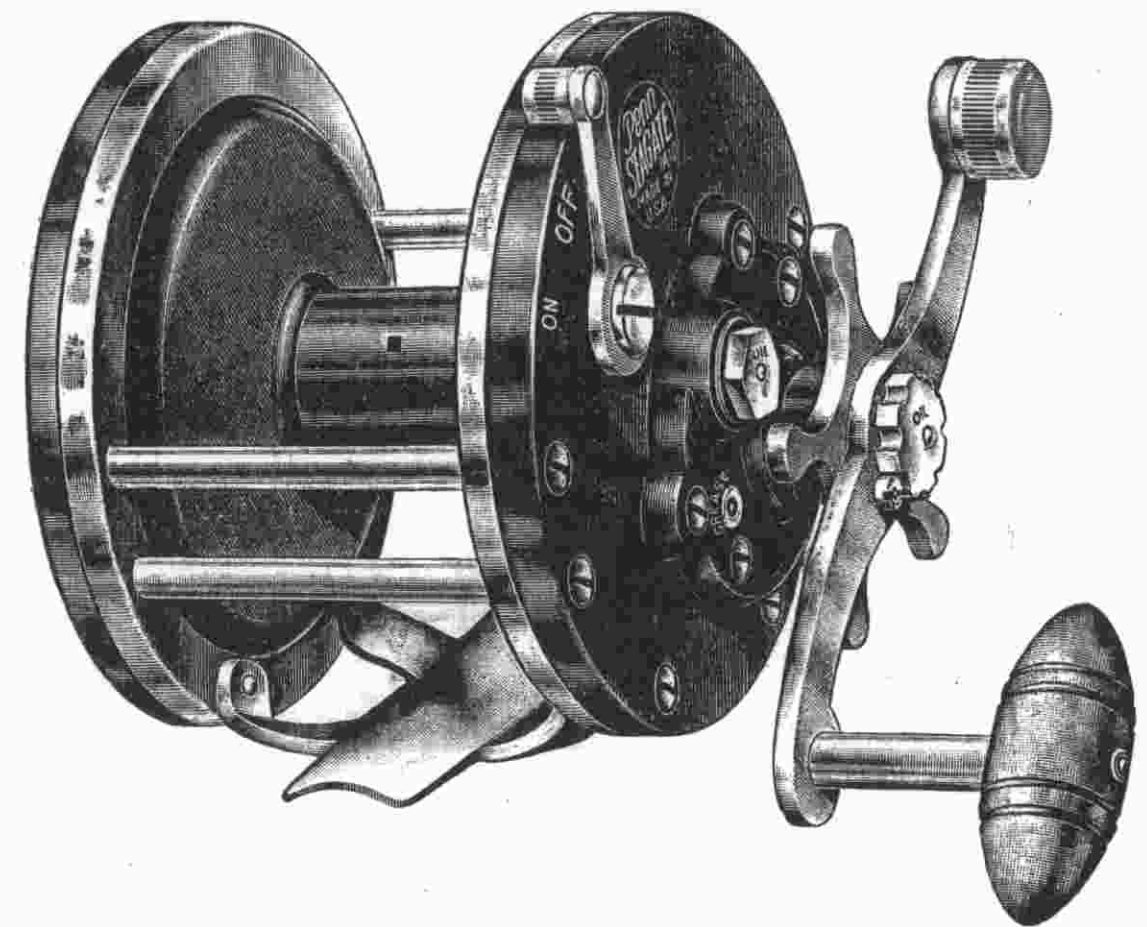
### HIGH GRADE STAR DRAG REEL

With Rod-Clamp Attachment

No. and Size of Reel	Line Cap. in Yards			Gear Ratio	Plate Diam.	Spool Width	Weight of Reel	Price Each
	No. 9	No. 12	No. 15					
No. 60—250 yds. ...	250	190	150	2½ to 1	3¼"	1½"	19 oz.	\$6.50
No. 65—300 yds. ...	300	225	190	2½ to 1	3¼"	2⅛"	20 oz.	7.00

The *Long Beach* is a universal salt water reel equipped with our Rod-Clamp Attachment. The free spool *snap* lever is conveniently located on rim and the drag can be applied *instantly* without danger of stripping gears. Gear train consists of *hardened steel* driving gear and *stainless steel* pinion. Handle is fitted with catalin torpedo grip. Our *One Shot Lubrication* safeguards perfect performance. Metal parts are hand polished and chromium-plated. Reel can be furnished in left hand model at extra cost of \$1.00.

## » SEAGATE «



### EXCELLENT STAR DRAG REEL

With "EASY-CAST" Spool

No. 125—250 yds. .... Price \$5.50

High grade star drag reel. Standard 250 yd. size at a popular price. Reel is equipped with EASY-CAST non-corrosive spool, steel gears, torpedo handle, smooth action drag and lubricating system. Metal parts are hand-polished and chrome-plated. End plates are metal bound; 3¼" in diam.; spool width is 1-13/16". Weight of reel 16 oz.

PENN REELS CAN BE LUBRICATED FROM THE OUTSIDE

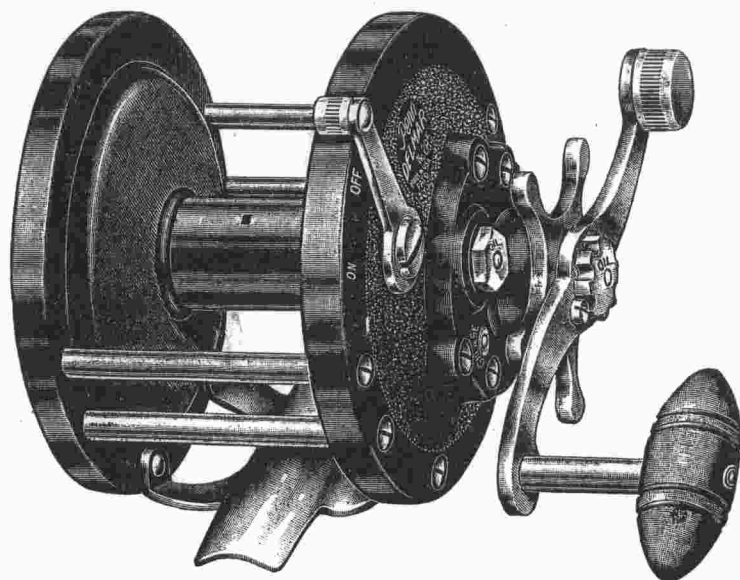
# For General All Around Fishing

Light Trolling, Surf, Pier, Deep Sea and Bay



» DELMAR «

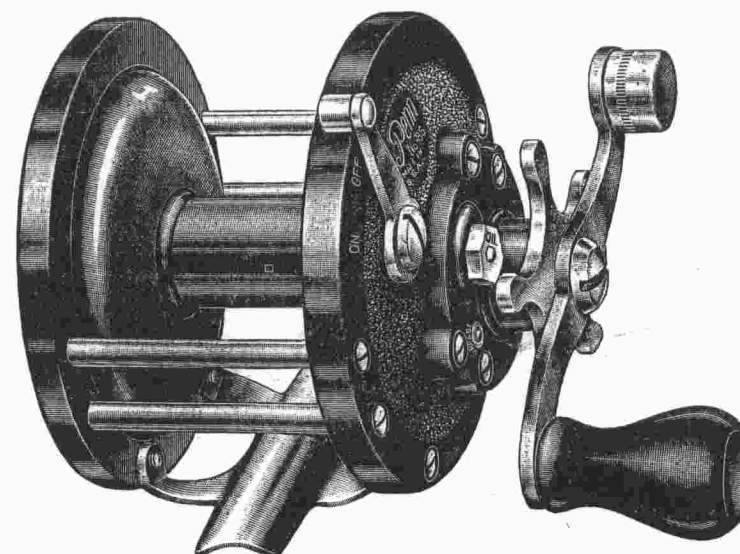
» PENN No. 85 «



**UNIVERSAL STAR DRAG REEL**  
With "EASY-CAST" Spool

No. 285—250 yds. ....Price \$4.00

Excellent star drag reel. Standard 250 yd. size at a moderate price. Equipped with EASY-CAST non-corrosive spool, steel gears, torpedo handle, smooth action drag and one-shot lubrication. Metal parts are hand-polished and chrome-plated. The streamlined end plates are  $3\frac{1}{4}$ " in diam. and spool width is  $1\frac{13}{16}$ ". Weight of reel  $13\frac{1}{2}$  oz.



**POPULAR STAR DRAG REEL**  
With "Light Weight" Spool

No. 85—250 yds. ....Price \$2.50

A star drag Universal salt water reel of standard size for deep sea, surf, pier, boat and bay fishing. This reel is equipped with our light weight EASY-CAST spool which produces long casts and reduces backlashes. In addition, this spool is corrosion proof and a great line saver. Reel is made of genuine bakelite and brass, finished in nickel. Plate diam.  $3\frac{1}{4}$ "; spool width  $1\frac{13}{16}$ "; weight  $13\frac{1}{2}$  ozs. Line capacity 200 yards. No. 9 or 150 yds. No. 12.

A COMBINATION WRENCH AND SCREWDRIVER IS PACKED WITH EVERY REEL

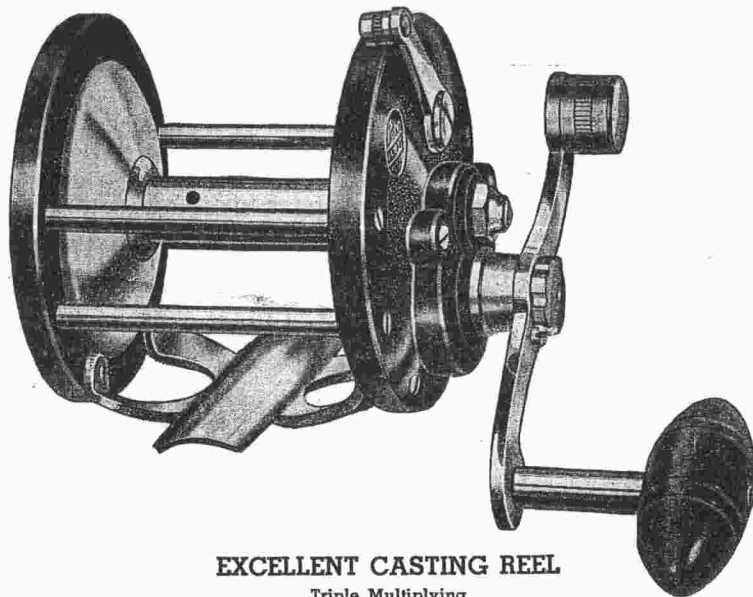


# Penn » Universal « Free Spool Reels

200 Yard

## » PENN No. 170 «

With Wide Metal Spool



**EXCELLENT CASTING REEL**

Triple Multiplying

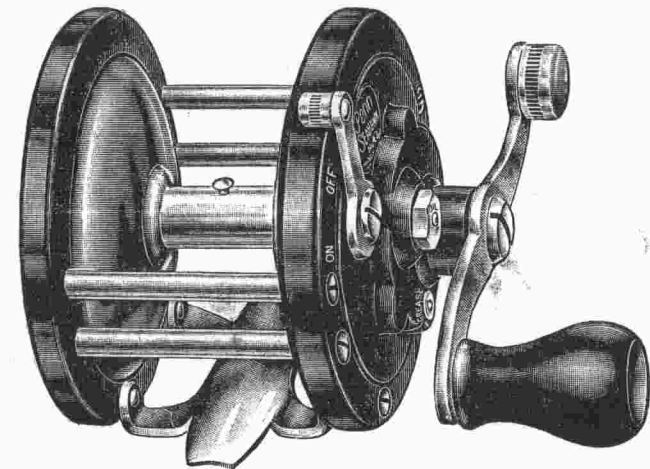
No. 170—Free Spool—Weight 13 oz. ....Price \$4.00

Popular light weight reel for light casting and bay fishing. Capacity 200 yards No. 9. The small streamlined end plates are  $2\frac{3}{4}$  inches in diameter. Equipped with a chromium-plated spool  $2\frac{1}{8}$  inches wide. Free spool clutch is operated by a *snap* lever on rim. The non-strip gears are *triple multiplying* for fast action. The S shaped handle is fitted with slip-proof torpedo knob. The frame is built with double side pillars and open top for easy thumbing of spool. Reel can be greased and oiled from the outside. Metal parts are chromium-plated. A combination wrench and screw driver and a PENN lubricating set are furnished with every reel.

150 Yard

## » SEAHAWK «

With Metal Spool



**IDEAL BAY REEL**

No. 42—150 yds.—Weight 12 oz. ....Price \$2.00

Ideal reel for light tackle bay fishing. Capacity 150 yards No. 9 line. Reel seat fits fresh and salt water rods. The spiral cut gears are double multiplying. Free spool clutch is operated by a *snap* lever on rim. Spool end play can be taken up by an adjustable bearing. A sliding click provides for arresting spool. Reel can be lubricated from the outside. Handle is S shaped and well balanced. Metal parts are finished in nickel. The small streamlined end plates are beautifully engraved and  $3\text{-}1/16$  inches in diameter. The metal spool is chromium-plated and  $1\frac{5}{8}$  inches wide.

PENN REELS ARE GUARANTEED AGAINST DEFECTS

# For General All Around Fishing

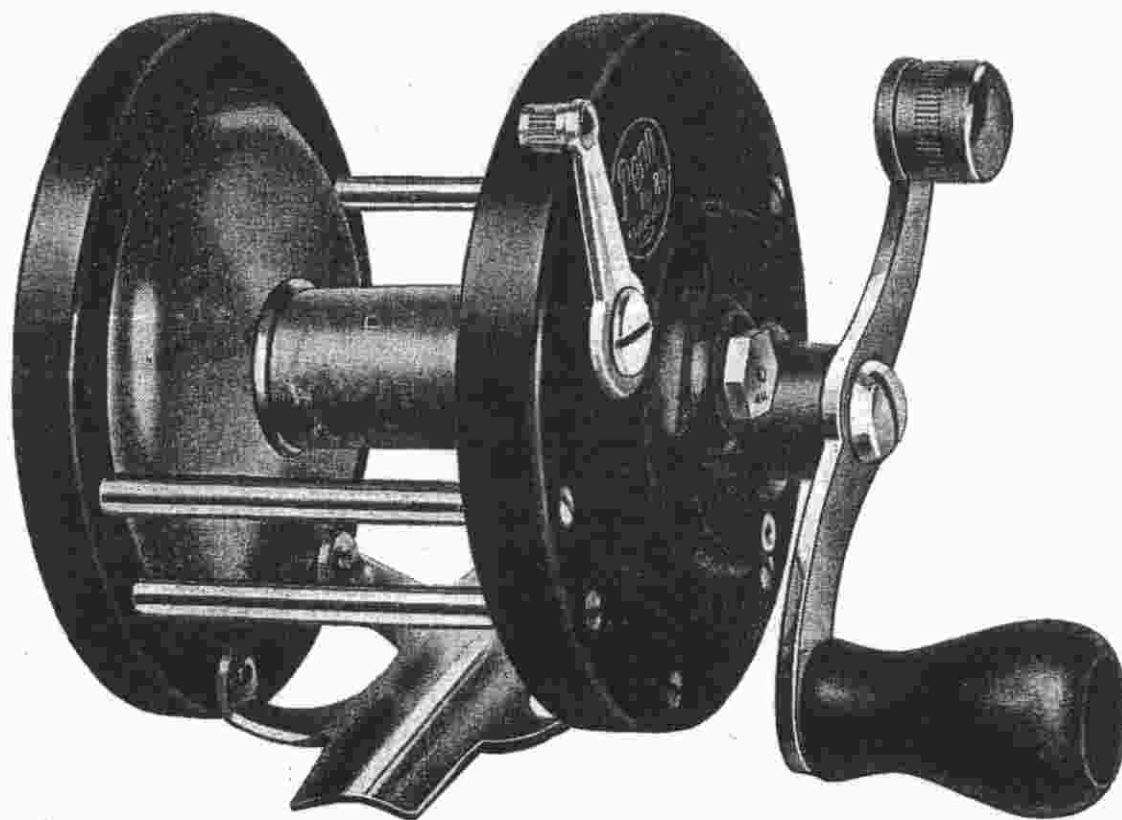
Surf, Pier, Deep Sea and Bay



250 Yard

» PENN No. 80 «

With "EASY-CAST" Spool



POPULAR FREE SPOOL REEL

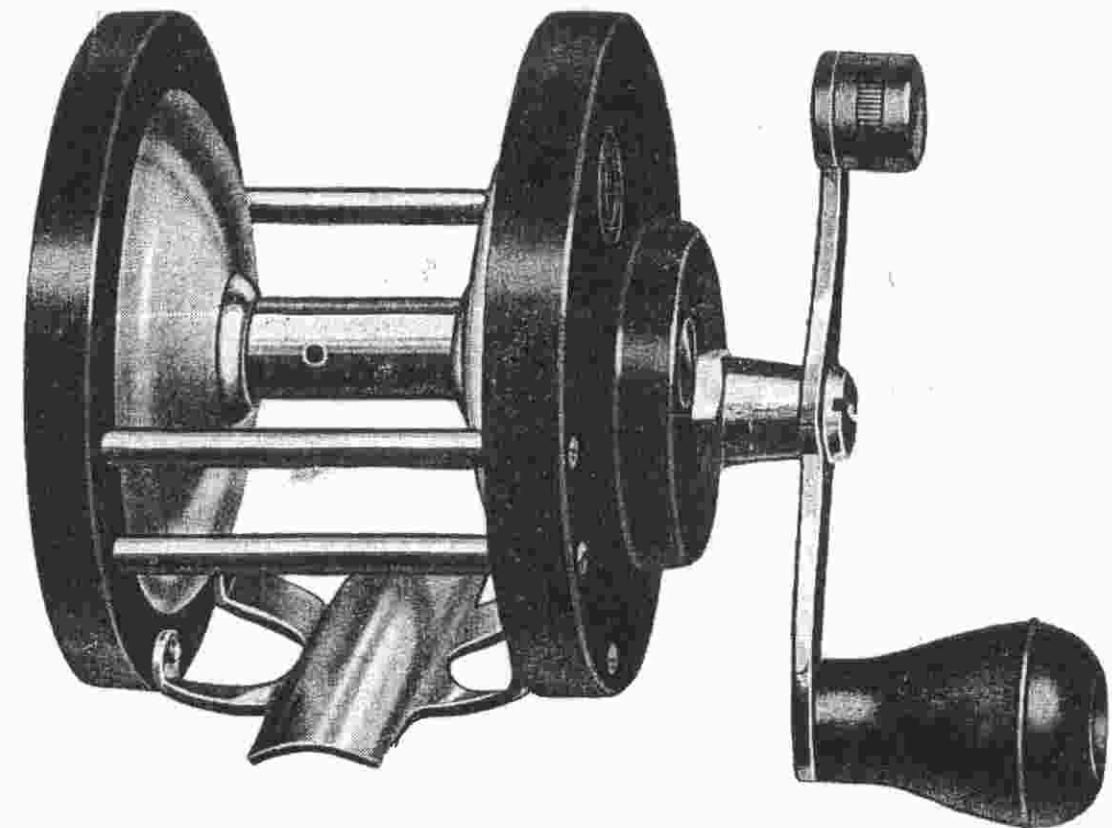
No. 80—250 yds.—Weight 13 oz. ....Price \$1.75

A free spool Universal salt water reel of standard size for deep sea, surf, pier, boat and bay fishing. This reel is equipped with our light weight EASY-CAST spool which produces long casts and reduces backlashes. In addition, this spool is corrosion proof and a great line saver. The patented free spool clutch is operated by a snap lever on rim. Gears are always in mesh and can not strip. Stainless steel springs. Sliding click. Adjustable and removable spool bearings. Water-proof oiling and greasing system. Reel is made of brass, finished in nickel. Plate diam.  $3\frac{1}{4}$ " ; spool width  $1\frac{13}{16}$ ". Line capacity 200 yards. No. 9 or 150 yds. No. 12.

250 Yard

» PENN No. 15 «

With Metal Spool



THE LOW PRICED FREE SPOOL REEL

No. 15—Free Spool—Weight 12 oz. ....Price \$1.70

No. 14—Without free spool ..... 1.50

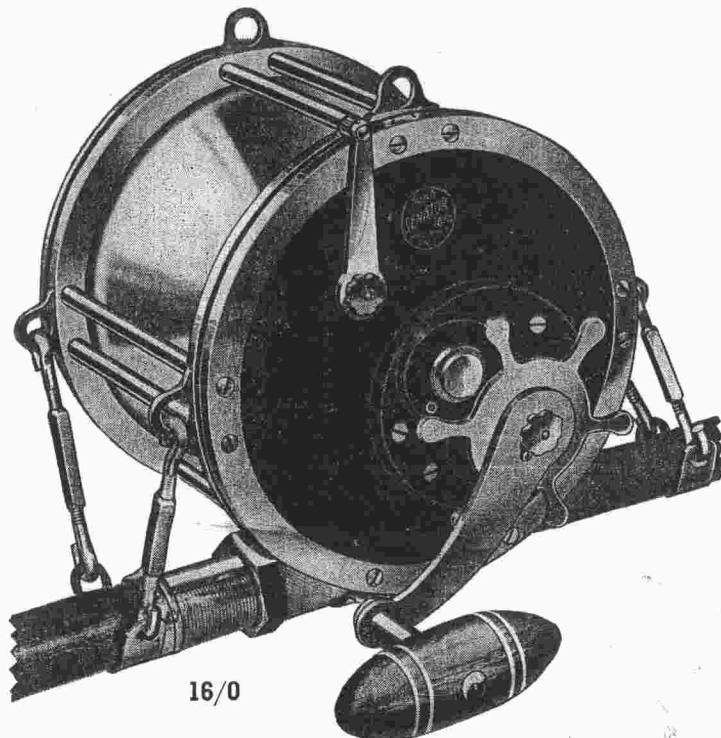
The PENN No. 15 is the lowest priced free spool salt water reel. This reel is equipped with our patented free spool handle pull out mechanism. The spiral cut gears are double multiplying. Spool end play can be taken up by an adjustable bearing. Back plate is fitted with a sliding hardened steel click. Crossplate is made of one solid piece. Metal parts are made of brass and finished in nickel. Plate diameter is  $3\frac{1}{4}$ " and the spool width  $1\frac{13}{16}$ ".

No. 14 is of the same construction as No. 15, but is without the Free Spool feature.

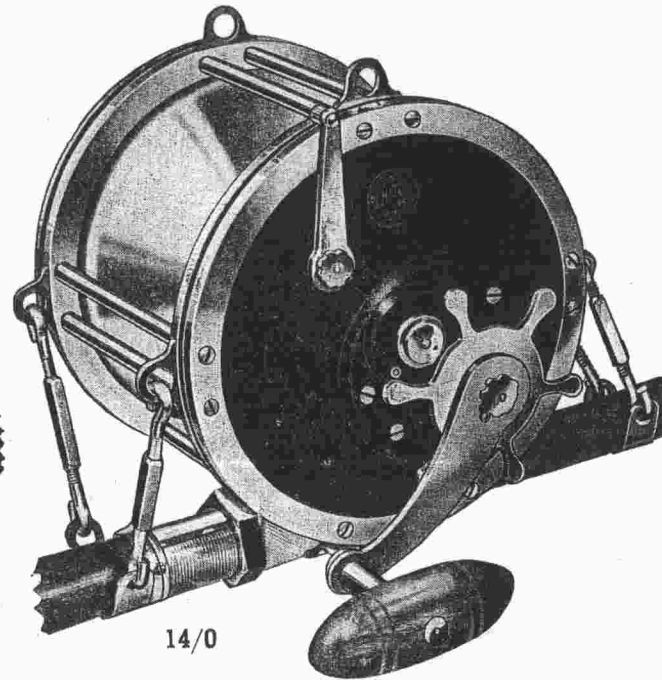
A PENN LUBRICATION SET IS PACKED WITH EVERY REEL

# Penn » SENATOR « Reel

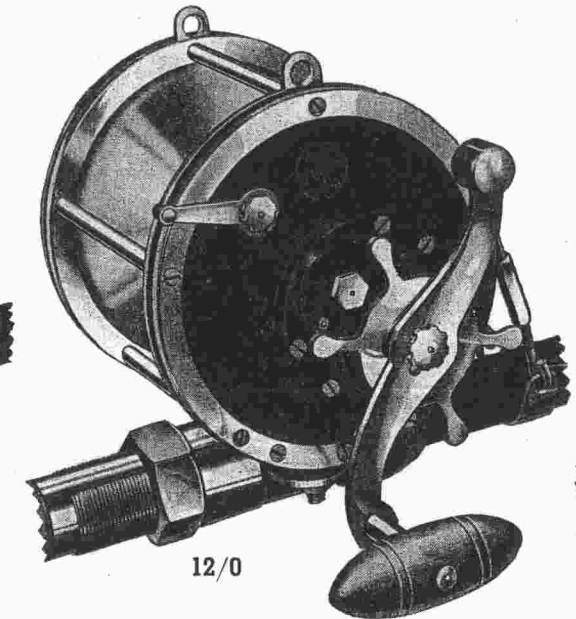
PAT. DECEMBER 19, 1933—MARCH 27, 1934



16/0



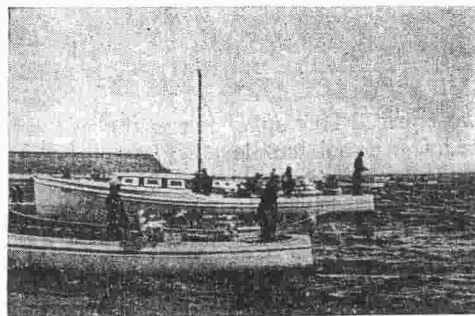
14/0



12/0

To the *Senator* belongs the distinction of bringing game fish trolling within the means of the average fisherman. Heretofore, the high cost of reels had prevented thousands from enjoying this major fishing sport. Today *Senator* reels are standard on charter boats everywhere and the choice of game fish anglers.

Especially designed for game fish trolling, these reels are made in seven sizes to meet all requirements. All models are equipped with harness lugs and rod clamps. Forward rod brace on 9/0, 10/0 and 12/0 sizes. Both rod and butt braces on 14/0 and 16/0 sizes. The spools on the 14/0 and 16/0 models run in *ball bearings*. All reels are equipped with our patented *free spool clutch* and can be thrown into free spool or drag *instantly* and without danger of stripping gears. The powerful drag consists of *automobile brake lining* which cannot burn up, and the brake drum is safeguarded against freezing by an oil-less bearing. (Construction of drag on page 21.) Double multiplying gears consisting of a *hardened steel* driving gear and *stainless steel* pinion. Handles are fitted with our powerful torpedo grip. Frames of nickel-silver, chromium-plated. Patented *One Shot Lubrication* combined with the built-in oil reservoirs safeguard perfect performance and prevent freezing of the reel.



TIDE RIP AT WEDGEPORT, N. S.

## PRICES AND SPECIFICATIONS

No. of Reel	Size of Reel	Style of Trolling	Plate Diameter
No. 113	4/0	Light	3 5/8"
No. 114	6/0	Light	4 1/8"
No. 115	9/0	Medium	4 5/8"
No. 116A	10/0	Med. Heavy	5 1/8"
No. 116	12/0	Heavy	5 3/4"
No. 117	14/0	Ex. Heavy	6 1/4"
No. 118	16/0	Ex. Heavy	7"

Oversize 1 3/4" Rod Clamp for 12/0, 14/0 and 16/0  
Left hand models at extra cost of \$2.00.

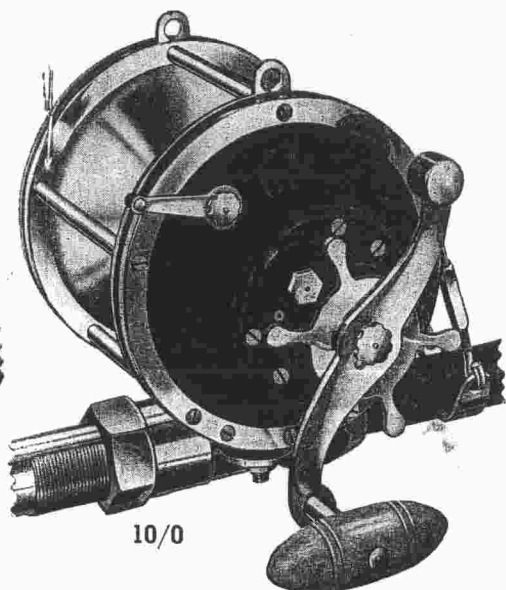
## LINE CAPACITY IN

No. and Size of Reel	No. 12	No. 15	No. 18	No. 21
No. 113—4/0	400	300	250	350
No. 114—6/0		500	400	500
No. 115—9/0			600	700
No. 116A—10/0				
No. 116—12/0				
No. 117—14/0				
No. 118—16/0				

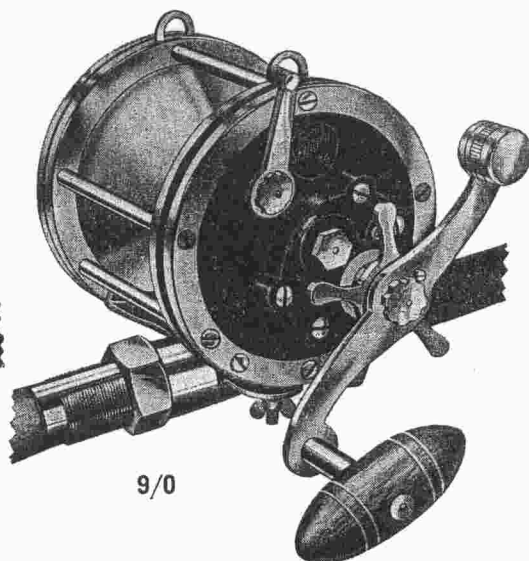


# Reels For Big Game Fishing

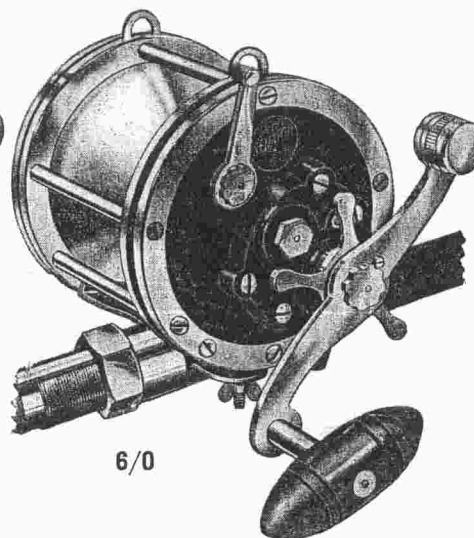
TUNA, BROADBILL, MARLIN, SAILFISH, TARPON



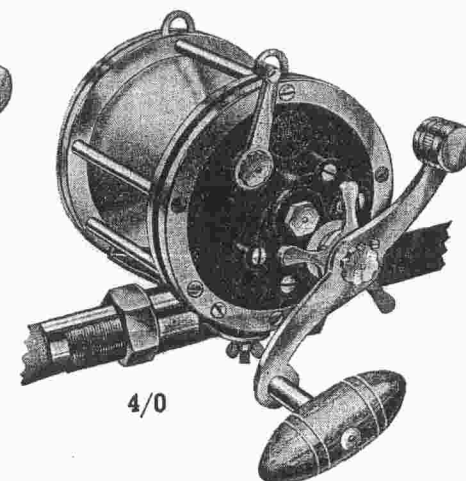
10/0



9/0



6/0



4/0

## TECHNICAL SPECIFICATIONS

Plate Diam.	Spool Width	Weight of Reel	Price Each
3 5/8"	2 1/8"	1 3/4 lbs.	\$18.50
4 1/8"	2 3/8"	3 lbs.	23.50
4 5/8"	3 1/8"	3 1/2 lbs.	29.00
5 3/8"	3 3/4"	5 1/4 lbs.	45.00
5 7/8"	4"	6 lbs.	50.00
7"	4 1/2"	8 1/4 lbs.	80.00
7 1/2"	5"	9 lbs.	100.00

10 and 16/0 models at no extra cost.

## AVAILABILITY IN YARDS

Size of Line					
18	No. 21	No. 24	No. 36	No. 54	No. 72
	350	450	450	400	
	500	600	600	600	
	700	900	800	800	450
			1100	800	600

## BALANCED TACKLE FOR GAME FISH TROLLING

Size of Reel	Size of Line Capacity of Reel	Weight of Tip	Species of Fish
4/0	300 Yds. No. 15	10 oz.	Bluefish, Bonita, Small School Tuna, Albacore, Dolphin, Sailfish up to 50 lbs.
6/0	400 Yds. No. 18	12 oz.	Sailfish, Tarpon, School Tuna, Marlin, Wahoo and others from 25 to 100 lbs.
9/0	500 Yds. No. 21	14 oz.	White Marlin, Tuna, Swordfish, Tarpon and others from 50 to 200 lbs.
10/0	600 Yds. No. 24	16 oz.	Striped, Black and Blue Marlin, Tuna, Swordfish and others from 100 to 300 lbs.
12/0	600 Yds. No. 36	22 oz.	Black, Blue and Striped Marlin, Tuna, Broadbill, Swordfish from 300 lbs. up.
14/0	600 Yds. No. 54	30 oz.	All game fish of more than 400 lbs. when fishing under difficult conditions.
16/0	800 Yds. No. 54	30 oz.	All game fish of more than 400 lbs. when fishing in extremely deep water.

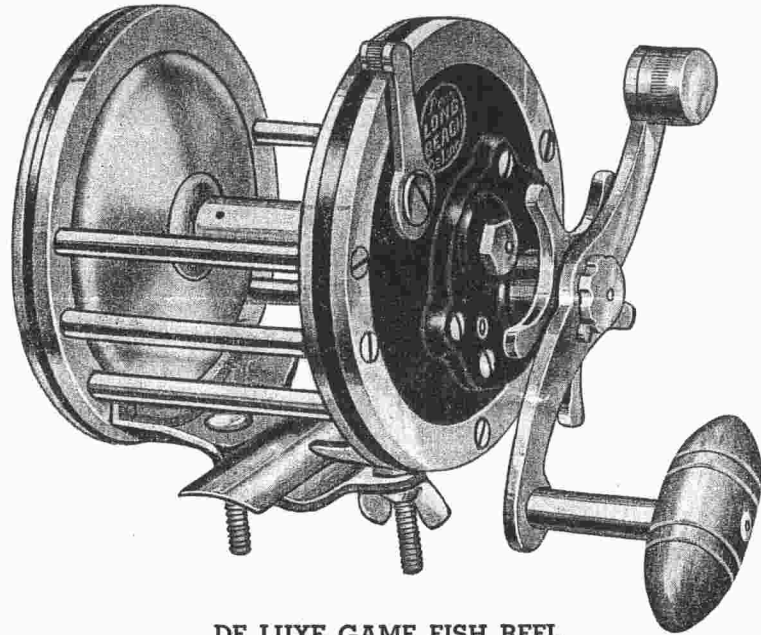


HOISTING 712 LB. TUNA

PHILADELPHIA, PA. MANUFACTURERS OF SALT WATER REELS EXCLUSIVELY

# Penn Game Fish Reels Capacity 250 to 500 yds.

## » LONG BEACH DE LUXE «



**DE LUXE GAME FISH REEL**

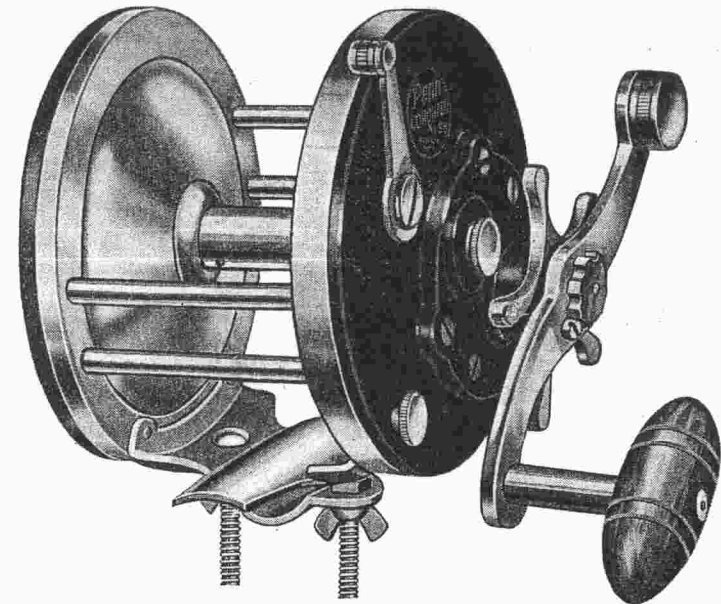
No. and Size of Reel	Line Capacity in Yards			Plate Diam.	Spool Width	Weight of Reel	Price Each
	No. 9	No. 12	No. 15				
DL 60—250 yds. ....	250	190	150	3¼"	1½"	21 oz.	\$10.00
DL 65—300 yds. ....	300	225	180	3¼"	2½"	22 oz.	12.50
DL 66—400 yds. ....	400	300	240	3¼"	2½"	23 oz.	15.00

We recommend this reel for large game fish when casting does not permit the use of a trolling reel. These reels are of small diameter and for greater line capacity the width of the spool is increased instead of the diameter. Our patented free spool *snap* lever provides for throwing the reel into free spool or applying the drag *instantly*. Gear ratio is 2½ to 1 for speedy action. The Star Drag is designed to handle game fish. Frame is made of nickel-silver and chrome-plated. Our *One Shot Lubrication* safeguards perfect performance. Details of construction on pages 20 and 21.

Left hand models at extra cost of \$1.00.

## » CORONADO «

WITH EXTRA SPOOL



**THE "TAKE-APART" GAME FISH REEL**

With 2 Interchangeable Spools

No. 96—400 yds.—Take apart with 2 spools .....	Price \$15.00
No. 96L—Left hand model at extra cost of .....	1.00

The Coronado is the ideal game fish reel, as this reel is fitted with 2 interchangeable spools to provide for the use of different size lines, or in the case of a broken line, the angler does not have to lose precious fishing time, but only a minute to change spools. This reel is equipped with our powerful star drag, non-strip steel gears, free spool clutch, rod clamp attachment, easy-take-apart feature and 2 interchangeable spools. Line capacity 400 yds. No. 9 or 300 yds. No. 12 or 225 yds. No. 15 or 200 yds. No. 18. Plate diameter 3¼" and spool width 2-7/16". Weight of reel 22 ozs. Frame made of nickel silver and chrome-plated.

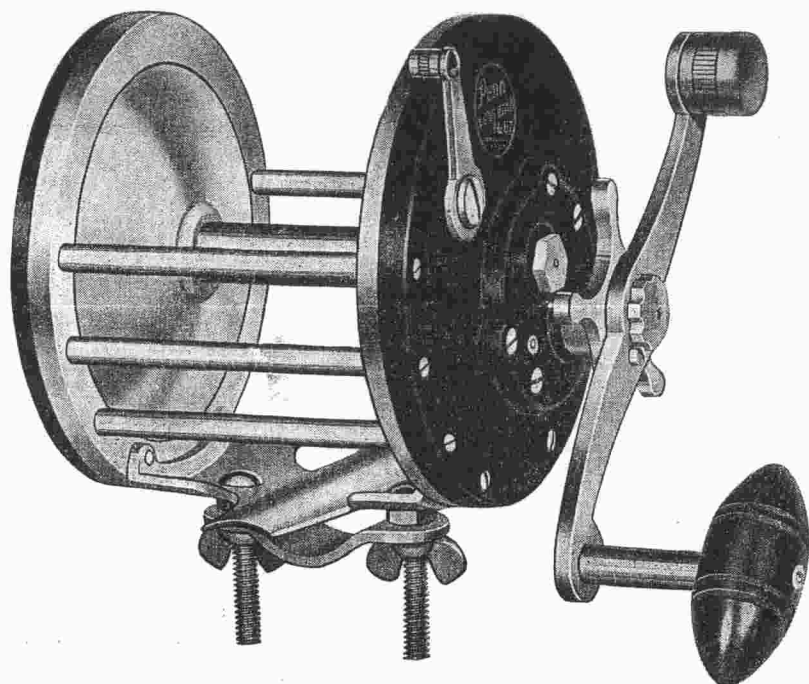
PENN REELS HOLD MANY WORLD RECORDS

# For Light Trolling, and Heavy Casting

For Sailfish, Tarpon, Kingfish, Yellowtail, Barracuda, etc.



## » LONG BEACH «



POPULAR GAME FISH REEL

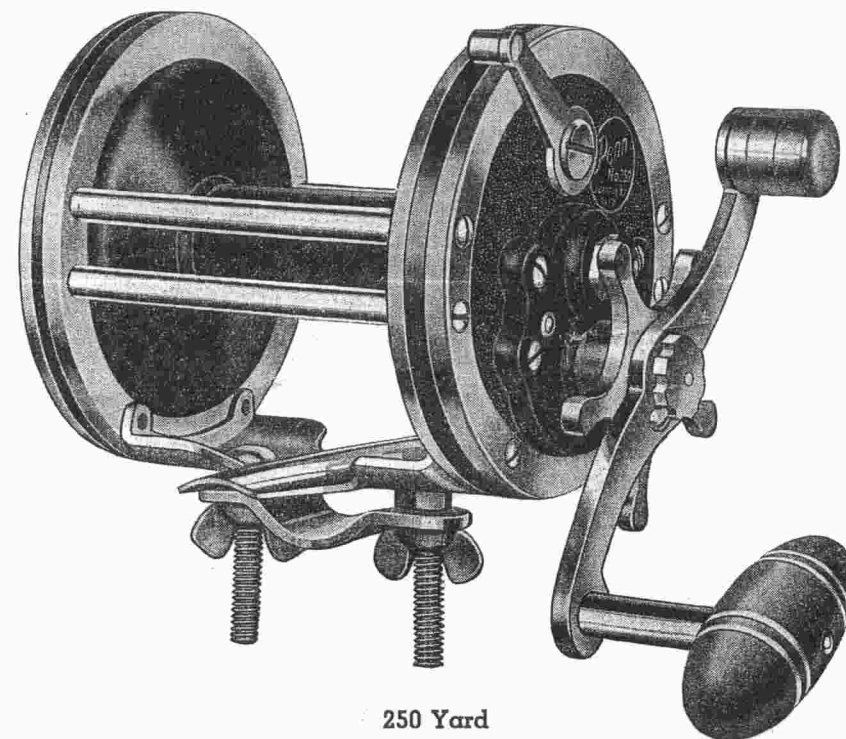
No. and Size of Reel	Line Capacity in Yards			Gear Ratio	Plate Diam.	Spool Width	Weight of Reel	Price Each
	No. 9	No. 12	No. 15					
No. 66—400 yds. ...	400	300	250	2½ to 1	3⅝"	2⅞"	24 oz.	\$7.50
No. 67—500 yds. ...	500	375	300	2½ to 1	3⅝"	2⅞"	25 oz.	8.00

The *Long Beach* is a popular game fish reel equipped with our powerful Star Drag. (Details on page 20.) The free spool *snap* lever is conveniently located on rim and the drag can be applied *instantly* without danger of stripping gears. Gear train consists of *hardened steel* driving gear and *stainless steel* pinion. Our *One Shot Lubrication* safeguards perfect performance. Metal parts are hand polished and chromium-plated.

Reel can be furnished in left hand model at extra cost of \$1.00.

## » LIVE BAIT CASTER «

With "EASY-CAST" Spool



250 Yard  
LIVE BAIT CASTING REEL

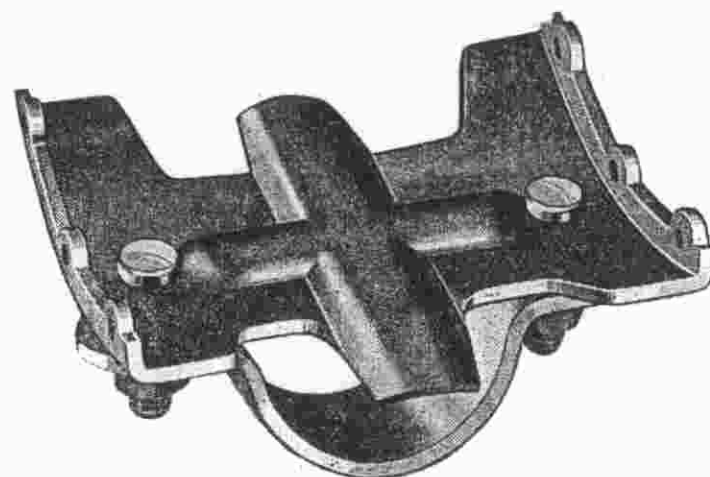
No. 259—Cap. 250 yds. No. 9; weight 19 oz. ....	Price \$10.00
No. 259L—Left hand .....	11.00

This reel is developed from our well known *Long Beach Reel*, but redesigned especially for live-bait casting and equipped with our *Easy-Cast* light weight spool, the weight of which is only one-half the weight of metal spools. In addition, these spools are corrosion-proof for better line protection. This reel is equipped with triple multiplying non-strip steel gears, never-fail free spool clutch, powerful Star Drag, torpedo handle, rod clamp attachment and *One Shot* lubrication system. End plates are double metal bound and frame is made of nickel-silver and chromium-plated.

FOR BETTER REELS DEPEND ON PENN



# MISCELLANEOUS ITEMS

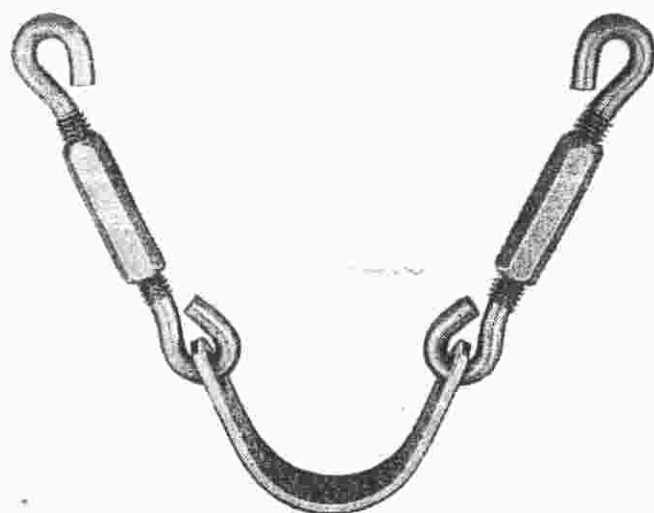


## OVERSIZE CROSSPLATE

For Senator Reels

This crossplate is fitted with an oversized rod clamp and fits reel seats up to  $1\frac{3}{4}$ " diameter. Interchangeable with standard crossplates on reels. Made in 4" and 5" widths to fit 12/0, 14/0 and 16/0 reels.

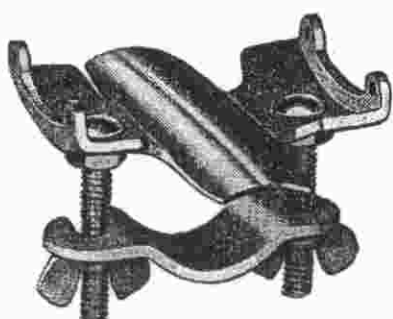
Price \$5.00



## ROD BRACE

For Senator reels, made in 2 sizes for 9/0 and 12/0 to 16/0 models.

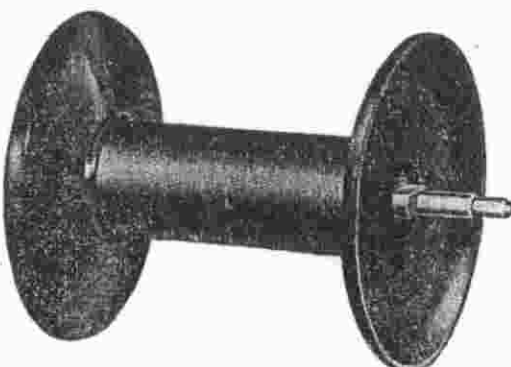
Price \$2.00



## CROSSPLATE WITH CLAMP

This crossplate is interchangeable with the standard crossplate without rod clamp. Made in  $1\frac{5}{8}$ ",  $1\frac{13}{16}$ ",  $2\frac{1}{8}$ " and  $2\frac{7}{16}$ " width.

Price \$2.00

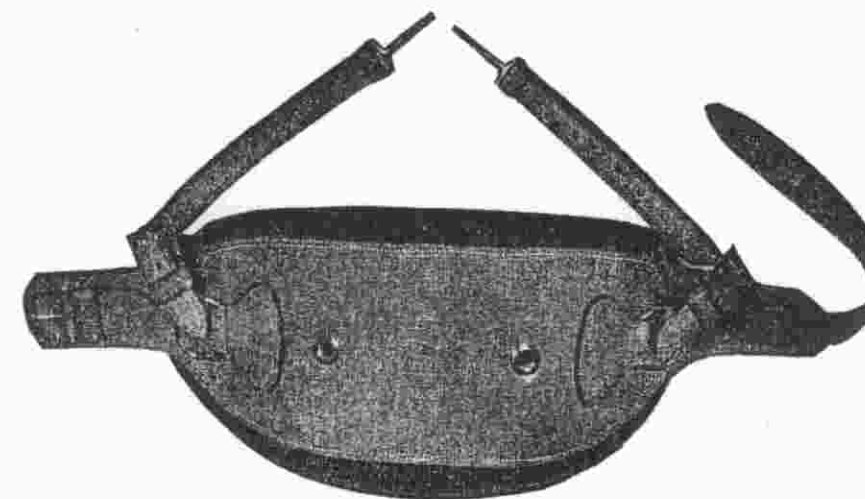


## LIGHT WEIGHT SPOOL

for Surfmaster and Light Tackle reels. Made in  $1\frac{5}{8}$ ",  $2\frac{1}{8}$ " and  $2\frac{7}{16}$ " width.

Price \$1.00

## SADDLE-BACK FISHING HARNESS

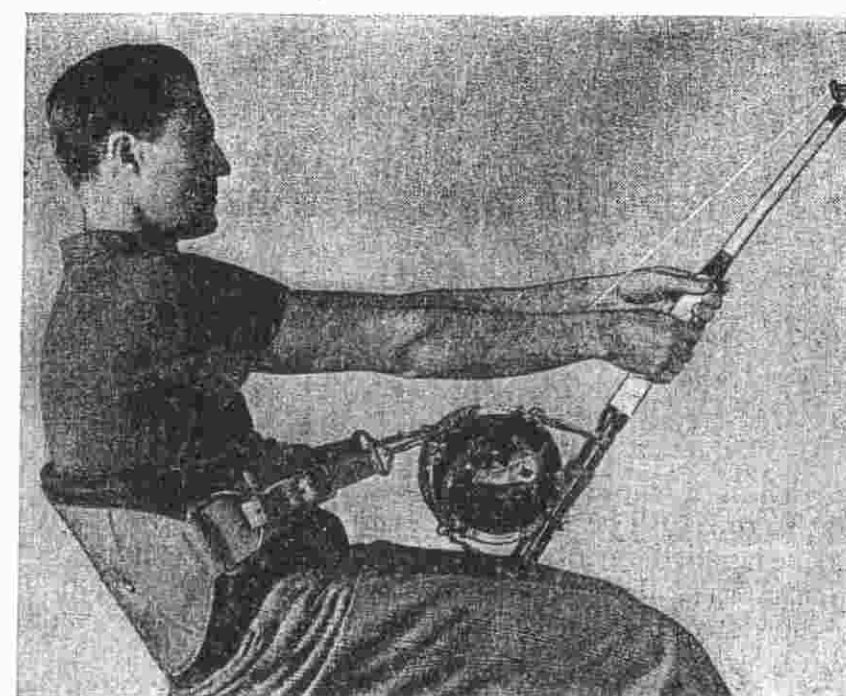


Patent No. 2142887

The Saddle-Back harness has been developed to take undue strain out of Big Game Fishing. It is so constructed that it prevents slipping, and chafing, there is no side pressure, no riding up and down the back.

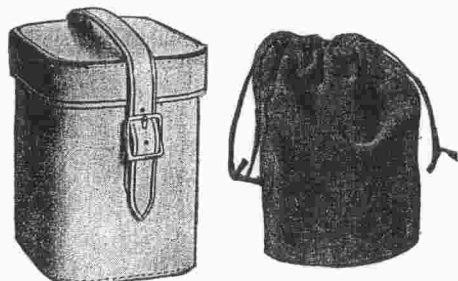
Made of genuine sole leather, ventilated back, with special padding of sponge rubber, covered with waterproof canvas. Girth and reel straps adjustable. All metal fittings are made of corrosion-proof bronze, polished and chrome-plated.

No. 1—No padding, 8" width .....	Price \$17.50
No. 2—Single padding, 9" width .....	28.50
No. 4—Double padding, 12" width .....	38.50



# MISCELLANEOUS ITEMS

## SOLID LEATHER REEL CASE INCLUDING BAG



### FOR SENATOR REELS

Case of finest calf-skin leather, hand stitched with leather reinforced bottom. Heavy suede bag liner as shown to prevent the reel from chafing in case.

Price.....Size 4/0, \$7.50; Size 6/0, \$9.00; Size 9/0, \$10.00;  
Size 12/0, \$14.00; Size 16/0, \$20.00

## PENN BEARING GREASE

No. 24—Price 10 cents each



This handy lubricating tube contains a very light grease which clings to the gears and spindles and does not retard the speed of the reel. We recommend this grease for ball bearings.

## OVERSIZE REEL HANDLE

No. 12—Price \$1.00

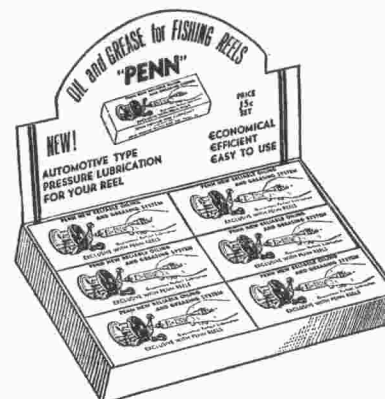
This handle is 5 inches overall in length and fitted with our slip-proof torpedo grip. Takes the strain out of winding and safeguards your knuckles. This handle fits all of our reels from 100 yd. to 500 yd. size.



## PENN STANDARD REEL HANDLES

With Torpedo Grip

150 yd. size, length 3½" .....	\$0.50	6/0 size, length 5" .....	\$1.50
250 yd. size, length 4" .....	.75	9/0 size, length 5¼" .....	1.75
400 yd. size, length 4½" .....	1.00	12/0 size, length 6¼" .....	2.00
4/0 yd. size, length 4¾" .....	1.25	14/0 size, length 4½" .....	2.25



## PENN REEL LUBRICANTS

This handy lubricating set is made up for the convenience of the fisherman. It consists of one tube of spindle oil for bearings and one tube of gear grease for driving gears. By inserting the spout of the tube into the lubricating nipples on the reel and squeezing tube, the lubricant is forced by pressure directly to the vital points. This oiling system eliminates guesswork in lubricating and safeguards perfect performance of the reel.

No. 25—Price, 15 cents each

Packed one dozen in display carton

## No. 20—FISHSCALER

Price, 5 cents each

Made of heavy gauge rust-proofed steel for your tackle box and for kitchen use. Packed one dozen in carton.



## No. 11 REEL BAG



Made of heavy waterproof suede cloth. Golden brown in color with nap lined interior. Shirred top and special round bottom. An ideal protection to carry and keep your reel when not in use.

Price.....Size 4/0, \$0.75    Size 6/0, \$1.00    Size 9/0, \$1.25    Size 12/0, \$1.50

## REPAIRMAN'S KIT No. 6

An assortment of parts, which enables the repairman to render quick and satisfactory service. Saves time and expense by eliminating sending reel back to factory for repair. Will make new customers by saving in delay and expense.

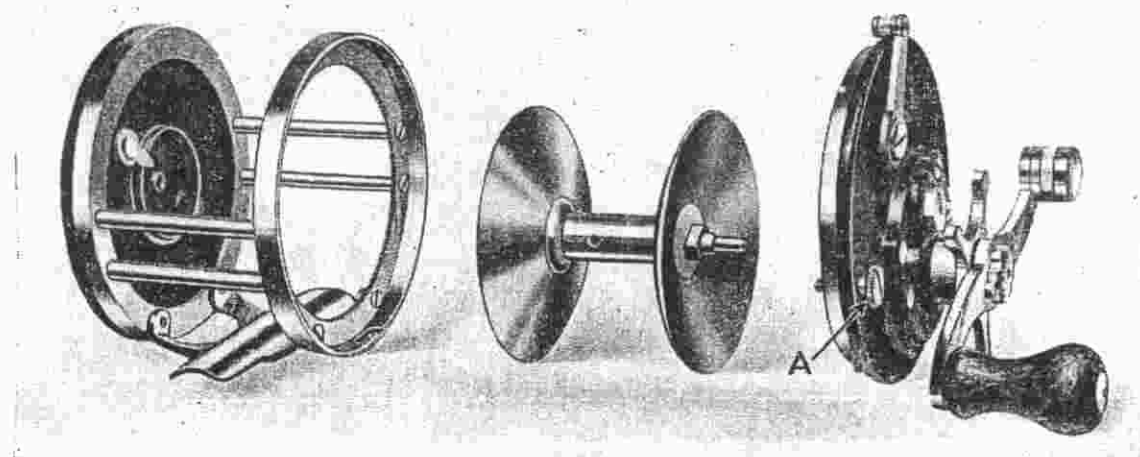


MANUFACTURERS OF SALT WATER REELS EXCLUSIVELY

# CONSTRUCTION OF PENN FISHING REELS

## DETAILS OF CONSTRUCTION

PENN Salt Water Reels are built to fulfill perfectly the requirements of all styles of salt water fishing. Many patented improvements are built into these reels to give the angler complete satisfaction. Our *Take Apart* feature, *Free Spool Clutch*, powerful *Star Drag*, handle screw *Locking Device*, *Non-Strip Gears* and *One Shot Lubrication* are just a few of the outstanding features of PENN reels. We specialize in the manufacturing of salt water reels and our aim at all times is to produce the most perfect brand of reels at the lowest possible price.



## TAKE APART CONSTRUCTION

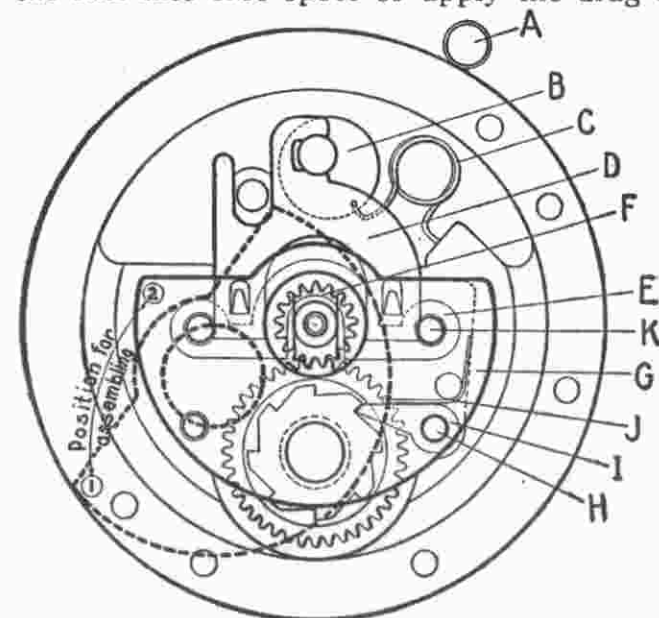
By means of our very rugged *Take Apart* device, our reels with this feature can easily be taken apart for cleaning. Unscrew and pull back knurled thumbscrew (A), turn front plate slightly to the left and pull away from the reel frame. Reverse operations for assembling.

## FREE SPOOL CLUTCH

Patent No. 1952756—March 27, 1934

We employ our patented Free Spool Clutch to engage gear train. The free spool *Snap* lever is conveniently located on rim and enables the fisherman to throw the reel into free spool or apply the drag instantly and without danger, as the gears always remain in mesh and cannot strip.

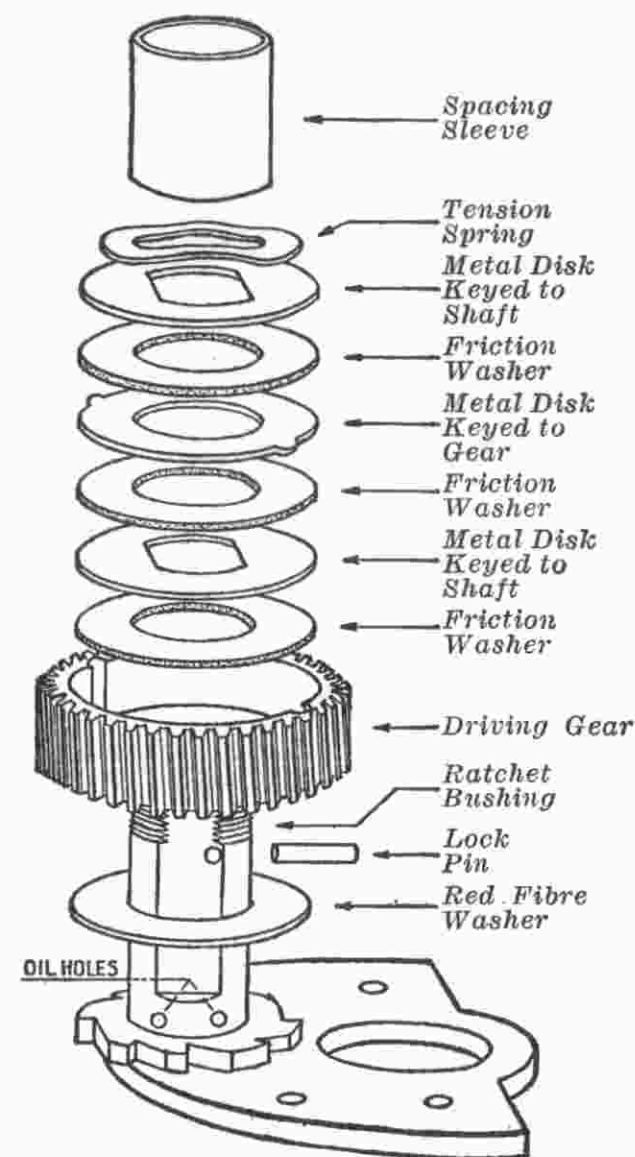
Free spool *Snap* lever (A) locked in its extreme end positions by stainless steel spring (C). Eccentric (B) operates jack (D), which raises or lowers spring pressed clutch yoke (E), which in turn engages or disengages pinion (F) with spool.



threaded) into plate hole and replace ratchet pawl (I) and pawl spring (J). Then without releasing pressure slide gear bridge to the right in position (2) and tighten bridge screws (H) and a clutch yoke guide screws (K—short threaded).

## DIRECTIONS FOR ASSEMBLING

After re-assembling Star Drag mechanism, (see illustration) place gear bridge (G) in position (1) as indicated by dotted line (slightly turned to the left for replacing ratchet pawl and spring). Grip plate with your left hand and with your thumb press gear bridge against plate. Insert bridge screw (H—long



## STAR DRAG (Operation)

The star drag is an adjustable drag and indispensable when fighting big game fish. The action of the brake is against the fish only, as the handle is prevented from turning backwards by a built in ratchet. Adjustment of the drag is made by a star wheel on handle. To check the amount of drag, put the reel in gear and pull line off the spool. Care should be taken not to have any more drag on the reel than the line or rod will stand. The purpose of the drag is to have a steady tension on the line rather than to stop the run of a fish. Too much drag on the line might only result in breaking tackle or pulling out the hook.

## CONVERTIBLE STAR DRAG

Patent No. 220482

With a Standard Star Drag Reel the drag is always on and therefore requires shifting the reel in and out of gear for letting out and retrieving the line. With our CONVERTIBLE Star Drag feature the drag can be thrown off by shifting the lower lever forward. This allows letting out line while the reel is still in gear and full handle control by the fisherman for hooking fish, yet when needed, drag can be engaged instantly by flipping lever downwards. Adjustment of drag is the same as Standard drag.

"Fish with a free spool reel and fight the fish with a star drag."

## DIRECTIONS FOR ASSEMBLING

Our drag mechanism consists of a number of metal disks alternately keyed to shaft and gear and between which friction washers are located. If assembled in the wrong manner, drag will not work satisfactorily. To avoid this, the drag assembly must always be in the order shown in drawing. Friction washers work best dry and should not be lubricated.



## OILING SYSTEM

Patent No. 1952756

All our reels are equipped with dustproof and waterproof lubricating nipples on the outside, from which by means of an intricate system of oil channels, the lubricant is forced under pressure to the vital points. Built-in oil reservoirs provide for complete safety. As a PENN lubricating set, consisting of one tube of spindle oil and one tube of gear grease is furnished with every reel it is an easy matter to thoroughly lubricate the reel. Simply insert the spout of the tube into the sealing lubricating nipples and by squeezing the collapsible tube the lubricant is forced under pressure to the bearings and gears. This PENN oiling system eliminates all guesswork in lubricating and safeguards good performance and long life of the reel.

PENN REEL PARTS ARE STANDARDIZED AND INTERCHANGEABLE



# CONSTRUCTION OF PENN FISHING REELS

## THE SENATOR STAR DRAG

To fight the powerful and speedy rushes of a big game fish requires a drag with *tremendous* braking power and able to stand up for many hours at a time without the danger of slipping or freezing. Considering this, it is easily understood that the drag is the *most important* part in a big game fish reel. At the left is shown a cut of our drag mechanism. The five friction washers are made of *indestructible* automobile brake lining and needless of any attention. The brake drum is fitted with an *oil-less* bearing and can not run hot and freeze through lack of oil. The drag has *tremendous* braking power combined with *very smooth* action, thus removing danger of breaking line or rod. Drag is adjustable to a very fine degree by star wheel on handle. Entire drag mechanism can be oiled from the outside by means of oil channels from ball oiler on handle screw.

## DIRECTIONS FOR ASSEMBLING

Our drag assembly consists of a number of metal disks alternately keyed to shaft and brake drum, and between which the friction washers are located. If assembled in the wrong manner, drag will not work satisfactorily. To avoid this, drag must always be assembled as shown in drawing. The friction washers don't need any attention and should *not* be lubricated as they work best dry.

## TO REMOVE FRICTION WASHERS

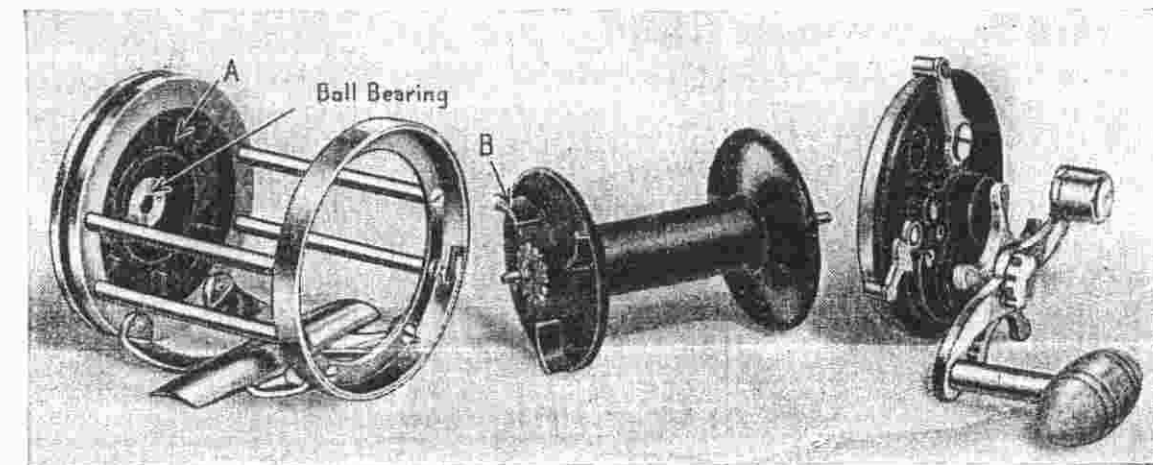
Without taking reel apart

Take off handle, unscrew the star wheel and the friction washers can be removed for inspection or replacing. The asbestos friction washers cannot burn up and don't need any attention. Should it ever be necessary to take up on the star wheel due to wearing down of the brake lining, this is easily done by the addition of an extra washer, either asbestos or metal. Do *not* lubricate the friction washers, as they work best dry. An oily brake will cause a slipping and jerking drag.

## PENN "SYNCHRONIZED" SPOOL

Numerous anti-backlash devices have been tried for many years. They are of the mechanical brake type that tend to retard the casting ability of the reel and on account of the moving parts are apt to get out of order quickly.

The patented *Penn Spool "Air-Brake"* is the most forward step in reel construction since the advent of the Star Drag. Over-running of the spool and consequent backlash are reduced by synchronizing the spool speed with that of the sinker or squid. No moving parts or projections and no friction to impede the flying start of the spool. Details of construction below.



## CONSTRUCTION OF PENN "AIR BRAKE"

(Patent No. 2190786)

The inside of the spool bell is equipped with the fan blades (B) (see illustration). Opposite these fan blades are the air chambers (A). In casting, when the spool is rotating at too high a speed, the action of the spool fan blades (B) generate air pressure, which is caught in the air chambers (A). In trying to escape, this air pressure acts as a brake against the rotating spool, which results in cutting down the speed of the spool sufficiently to prevent over-running and the consequent backlash. As this air pressure is in direct relation to the revolutions of the spool, the braking effect diminishes with the spool losing speed, therefore allowing a free travel of the line to the very end of the cast.

## CASTING WITH "SYNCHRONIZED" SPOOL

Cast as usual. Put reel in free spool, hold line with your thumb, cast and release spool. As soon as the sinker is off to a flying start, hold your thumb only very lightly against the spool to be able to stop the spool instantly as soon as your bait is over the desired spot or the sinker hits the water. The light weight spool will get off to a flying start and is very sensitive to thumbing. However, it is important to wind the line tightly and evenly on the spool as a loose line will dig in and cause backlashes. A good practice is to wind the last few turns crosswise from end to end on the spool. A new line is very stiff and sticky and requires a few days using to get good results in casting.

EVERY PENN REEL PART IS MADE IN OUR OWN FACTORY

# The Care of the Reel

With reasonable care, your reel will last a lifetime, unless you are so fortunate as to be able to do a great deal of fishing.

Oil and grease your reel at least once a week, or still better shoot a drop of oil into the bearings after a day's fishing. This will refill the built-in oil reservoirs, which act as *safeguards* of the reel.

## LUBRICATING WITHOUT TAKING REEL APART

With our patented *One Shot Lubrication* (See page 20) it is an easy matter to thoroughly oil and grease your reel. A lubricating set, consisting of one tube of spindle oil and one tube of gear grease is furnished *free* with every PENN reel. Simply insert the spout of the tube into the sealing ball oilers and by squeezing the tube at the bottom the oil is *forced under pressure* to the bearings, thus eliminating all guesswork in lubrication.

Use spindle oil on spool bearings, handle shaft, click button, free spool lever and handle knob. To grease the driving gears, shoot gear grease into nipple on front plate marked *grease*. Use oil and grease sparingly. You don't have to flood your reel to properly lubricate it. After using, fold tube over at the bottom.

Considering the fact that a reel, when casting, is making 5000 to 8000 revolutions per minute, it is easily understood how important it is to keep the bearings well oiled. Also, salt water is very injurious to metals, unless the reel is very thoroughly oiled and greased to combat corrosion. Our *One Shot Lubrication*, combined with the built-in oil reservoirs safeguards perfect performance and long life of the reel.

## CLEANING THE REEL

Should sand get into your reel, take the reel apart and wash the parts with gasoline or kerosene, allowing them to dry before oiling. Our *Take Apart* reels can easily be taken apart (See instructions on page 20). On all other models remove the plate screws and the reel will come apart. A combination wrench and screw driver is packed with every PENN reel. For reassembling, see instructions on page 20.

## THE SERVICING OF THE REEL

Due to the watch-like mechanism of our reels, we do not advise taking reel apart for any other purpose than cleaning. For repairs, we recommend taking the reel to an experienced repairman or sending the reel back to the factory. We will gladly replace parts and put the reel in perfect working condition at a very low cost. For the expert our instructions on pages 20 and 21 will be very helpful.

## REPAIR PARTS

Greatest care is given to standardization of all parts wherever possible. Therefore, most parts are standard size and *interchangeable* regardless of type or size of the reel—a feature which has never before been accomplished in the reel industry. This factor is of utmost importance in the servicing and economy of the reel. For the repairman our assortment of parts listed on page 19 is very helpful.

## THE CARE OF THE LINE

When used daily, the line does not need any attention, but do not allow the line to dry on the reel, as salt water is very injurious to lines. Wash the line in fresh water and allow to dry before putting back on reel. Break off a few feet to eliminate any weakness on the end.

# How to Select the Proper Tackle

The intention of this article is to assist in the careful selection of the proper tackle, but as the simple words *fishing tackle* cover such a multitude of items varying with local conditions and seasons, we recommend your local *fishing tackle dealer* who will gladly assist you in blending the different tackle items into a harmonious and well balanced outfit, that will bring thrills and joys into the angler's heart. Many a fisherman has equipped himself with the wrong tackle with the result of getting discouraged and missing the enjoyment of the sport.

## THE LINE

The length and size of the line is the most decisive factor in selecting a well balanced and satisfactory fishing outfit. Lines are made from 6-thread to 72-thread and in any required length. Selection depends largely on the style of fishing and local conditions. For bay fishing 100 yards to 150 yards of either 6-thread or 9-thread is sufficient. Surf fishing requires 200 yards of 9-thread to 12-thread. For offshore bottom fishing, lines commonly used are 100 to 200 yards of from 12-thread to 15-thread, selection depending largely on the depth of water and tide currents. Off-shore trolling lines run all the way from 200 yards of 12-thread up to 1000 yards or more of 72-thread. For trolling, we refer you to our chart on page 15.

## THE REEL

A fishing reel has to fulfill the dual purpose of holding the proper length and size of line and to assist in a specific style of fishing. Reels are made in many distinctive types, and while the number of these may seem bewildering at first glance, they are developed to meet the specific needs of the many different types of fishing. The many sizes in which reels are made make it possible to select just the right size and make it needless to use a big, heavy and clumsy reel for light tackle fishing, or conversely as in game fishing of getting into trouble by not having the necessary length and size of line on your spool. For light tackle fishing, a light weight reel of from 100 yards to 150 yards capacity is ideal. Surf casting requires 200 yards capacity of either 9-thread or 12-thread line. Most important in casting is a light weight spool of small diameter for distance and for reducing backlashes. An extra spool for using different size lines is also very helpful. Preferably, the reel should be equipped with a Star Drag and the take-apart feature. For squidding or jigging, in addition to being a good casting reel, a three-to-one gear ratio is necessary. For offshore bottom fishing almost any sturdy reel of adequate line capacity will do, but for extremely deep water, a fast action reel will be very convenient. Most important in offshore game fish trolling is a sturdy Star Drag and the necessary line capacity. For details see our chart on page 15.

## RODS

Much of the thrill of the sport is lost by using rods much too heavy. Light tackle, surf, boat and game fishing rods are made in many different lengths and weights, thereby making it possible to blend line, reel and rod into a harmonious and well balanced outfit that will give the angler the utmost satisfaction.

## END TACKLE

If there is a great variety in lines, reels and rods, there is still a much greater variety in hooks, leaders, sinkers, baits, squids, feathers and many other lures; in fact, too great a variety to go into details. We recommend your local *fishing tackle dealer* for advice, and also to get information right on the fishing spot, from your brother anglers, who will gladly assist you with their knowledge and experience.

# Helpful Tips for the Fisherman

## TO FIND LINE CAPACITY OF THE REEL

When the line capacity of the reel of a certain size of line is known, it is an easy matter to find the line capacity of a different size of line, providing that the lines are of approximately the same grade, as there are lesser grades of lines on the market which are much heavier and take up more space than the better grade lines having the same breaking test. Simply multiply the known line capacity in yards by the number of thread known, then divide the product by the number of threads of the line required. The answer is the reel capacity in yards. Example as follows:

You know reel holds 300 yds. of number 9 line.

You want to find the capacity of number 12 line.

Multiply 300 by 9=2700 divided by 12=225 yds.

## EMERGENCY REPAIRING OF BROKEN LINE

No knot equals a spliced line, but as many fishermen are not familiar with splicing, or in case a hurried job has to be done on a fishing trip, the following method will give satisfactory results. This tying can also be used for doubling the line or making a loop. Tests have shown that this tying does not weaken the line as other knots do.



Place at least six slip knots about  $\frac{1}{4}$  inch apart on each end of the line as shown. Start at the center and pull each knot tight before placing the next one. Wet the line thoroughly before tying.

## FISHERMEN'S KNOTS

For ordinary fishing almost any knot might do, but when fishing amounts to a real test for your tackle, a good knot will make all the difference between landing or losing a big one. Faulty knots cut and will cause the line to part at a fraction of its tested strength. Below we show a few of the many variations of knots useful to the fisherman. For tying line to swivel, the wedge is considered by many as the strongest knot. A snap swivel is of great advantage, as it enables the angler to change baits or other tackle quickly. The gut leader or line must be well soaked before tying.



**Turtle knot**  
For eyed hooks



**Compound knot**  
Loop for line or leader



**Twist knot**  
For tying gut leader



**Wedge**  
For tying line to swivel

## LEFT HANDED FISHERMEN

Old model reels could be used either right or left handed, but this is impossible with today's modern construction. Reels intended for left handed use have to be reversed, as the driving gears will slip out of mesh when used the wrong way. Some of our reels are listed in the left handed models, but when not listed, they have to be ordered special for LEFT HAND use.

## ESTIMATING WEIGHT OF FISH

When there is no scale on hand, the approximate weight of the fish can be figured by multiplying the square of the girth (at the widest point) by the length (point of mouth to crotch of tail) and divide by 800. All measurements to be in inches.

## THE BACKLASHER

Many a beautiful cast was started with the intention of throwing the lead far out into the breakers, only to see the sinker stop suddenly in midair and leave the line on the spool in a tangled mass, the so-called bird's nest. The cause of this is an over-running spool, which means that the spool is paying out more line than the flying sinker requires, with the result that the loose line will get reversely wound on the spool and cause the backlash. In casting, the sinker is losing speed rapidly due to air resistance and the pull of the line, whereas the spool running in almost frictionless bearings, will keep on running at the original speed, which results in loose line on the spool, and the backlash. The only remedy is to reduce the speed of the spool by thumbing and letting the spool pay out only as much line as is required by the sinker. This proper thumbing might seem very difficult to the beginner, but by watching the line as it leaves the spool and starting thumbing as soon as loose line develops on the spool, backlashing will be eliminated. Also, the beginner will do well by not trying to use brute strength in casting, but rather concentrate on the acquiring of good casting form first, then gradually increasing the force on the rod, as a jerky cast increases the danger of backlashes.

Another point is to wind the line evenly and tightly on the spool, as a loose line will dig in and cause backlash. To wet the line before casting, a short preliminary cast is the best way. Do not dip your reel into the ocean, as you only get the inside of the reel wet and not much of the line.

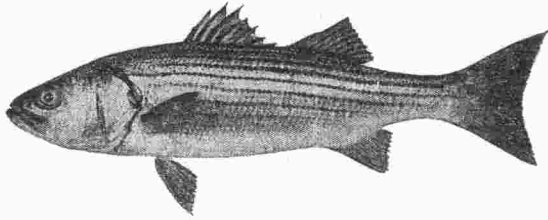
## LIGHT WEIGHT SPOOLS

By far the greatest improvement in casting reels is the developing of the light weight spools. A thoughtless fisherman will pick up a reel, spin the spool and watch it run for a minute and will be convinced that it is a good casting reel, but actually it is a potential backlasher. A heavy spool will run forever, but as only a few seconds are necessary to complete the cast, this heavy spool will not slow down in time and the result is over-running and backlash. Also a heavy spool consumes more power in starting and thereby cuts down the casting distance. Equally important in casting, is the weight of the line and therefore the length and size of the line should be held to the minimum requirements to save weight. Not only the total weight of spool and line is important, but also the momentum of the spool should be further reduced by using a wide spool, thereby keeping the line closer to the arbor. The importance of this is proved best by the fact that the tournament casters use special built wide and light weight spools and special light lines in attaining their great casting distance. If the light line will not stand the strain of casting a heavy sinker, doubling the line or using a heavier line on the end will prevent snapping.

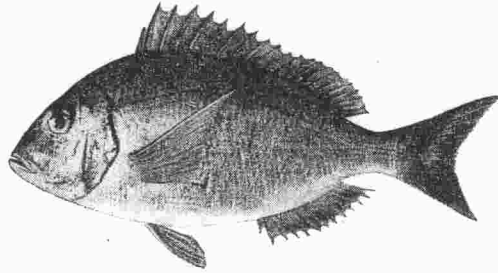
MANUFACTURERS OF SALT WATER REELS EXCLUSIVELY



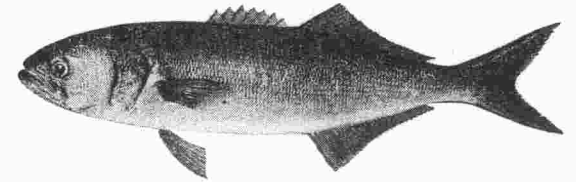
## SALT WATER FISH



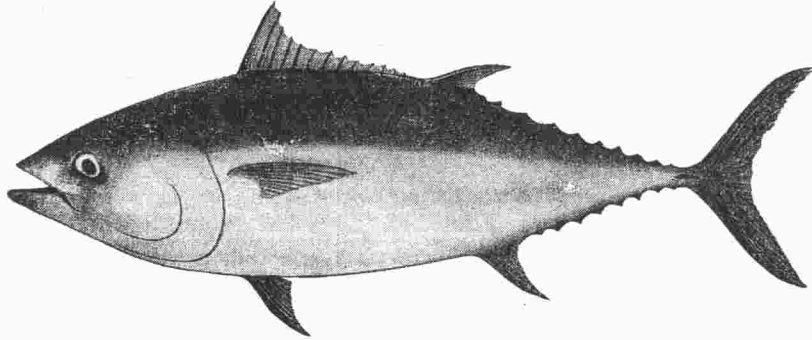
STRIPED BASS (Rock Fish)  
Record Weight 73 lbs.



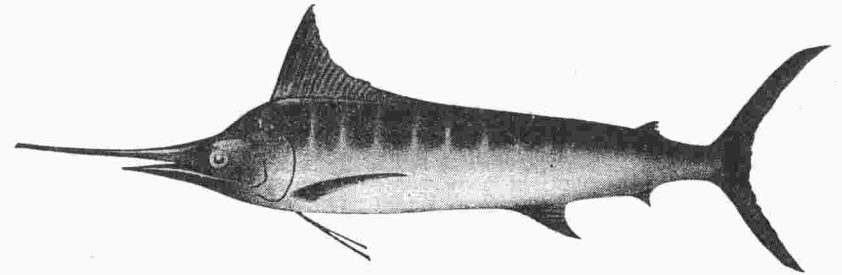
PORGY  
Record Weight 5 lbs.



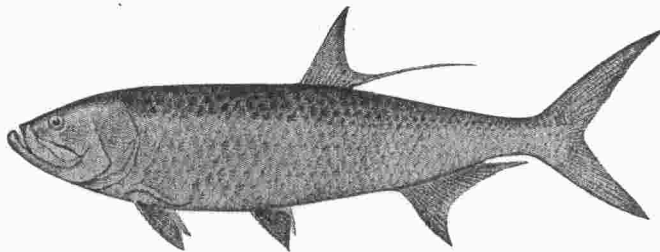
BLUEFISH  
Record Weight 25 lbs.



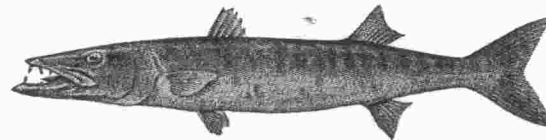
BLUEFIN TUNA  
Record Weight 927 lbs.



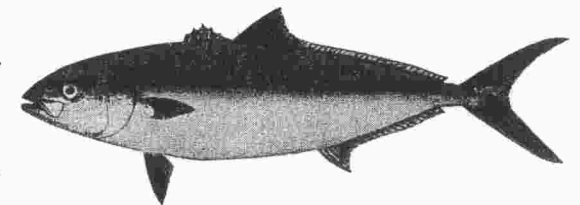
MARLIN (Striped)  
Record Weight 1040 lbs.



TARPON (Silver King)  
Record Weight 242 lbs.

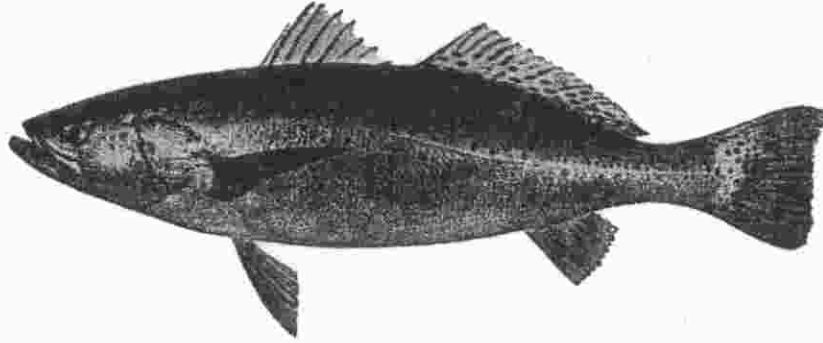


BARRACUDA (Sea Tiger)  
Record Weight 103 lbs.

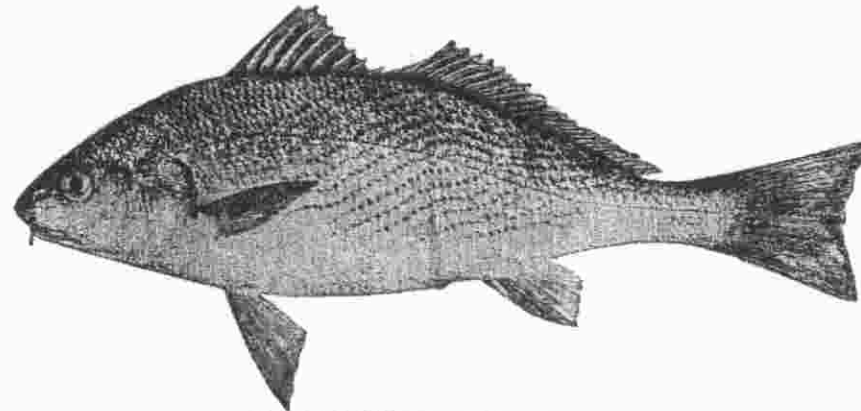


YELLOWTAIL  
Record Weight 111 lbs.

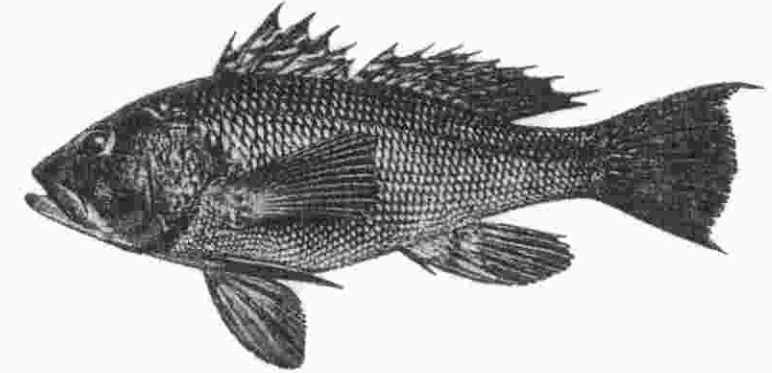
## SALT WATER FISH



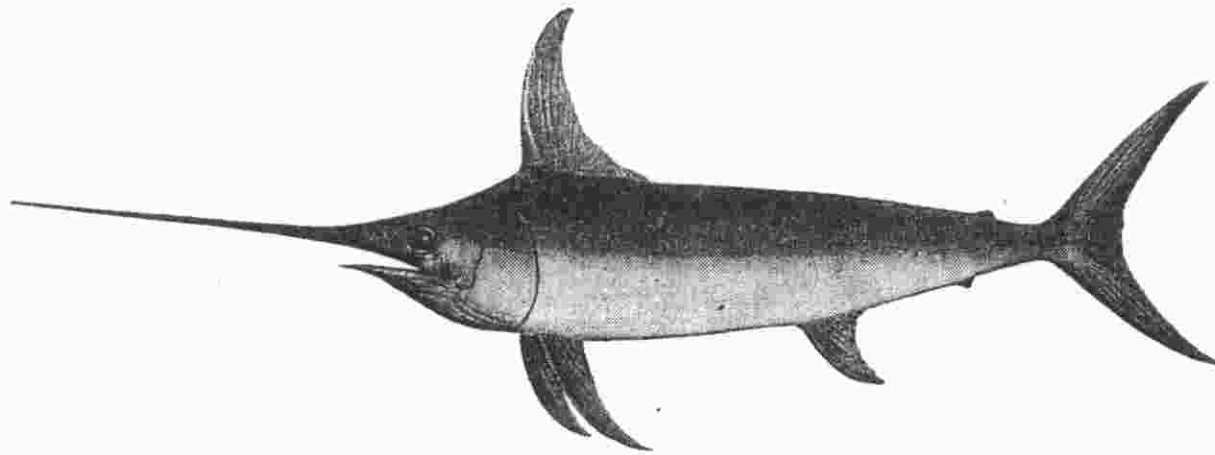
**WEAKFISH (Sea Trout)**  
Record Weight 17 lbs.



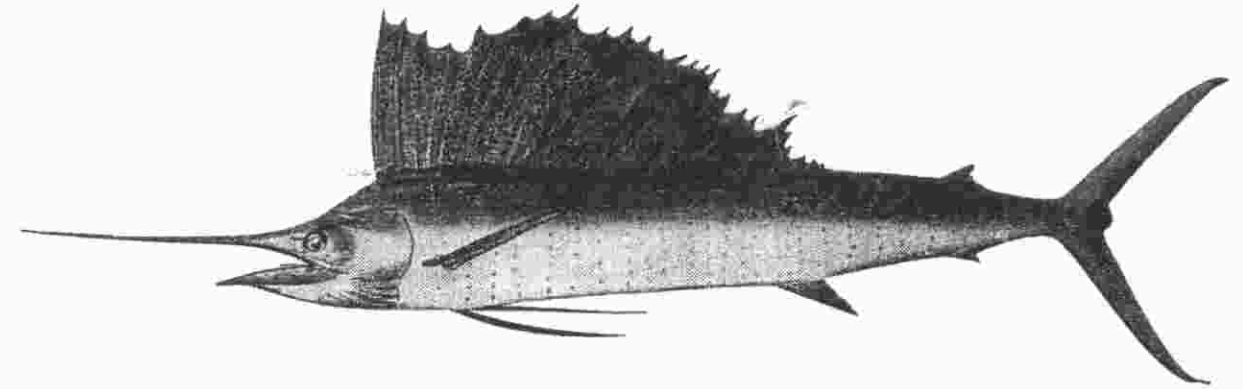
**CROAKER (Hardhead)**  
Record Weight 7 lbs.



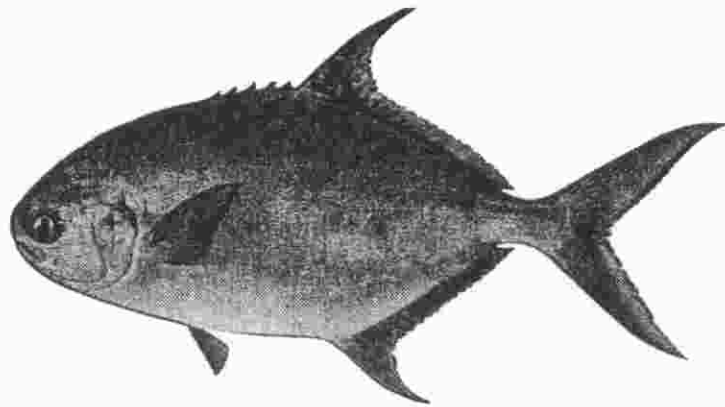
**SEA BASS**  
Record Weight 8 lbs.



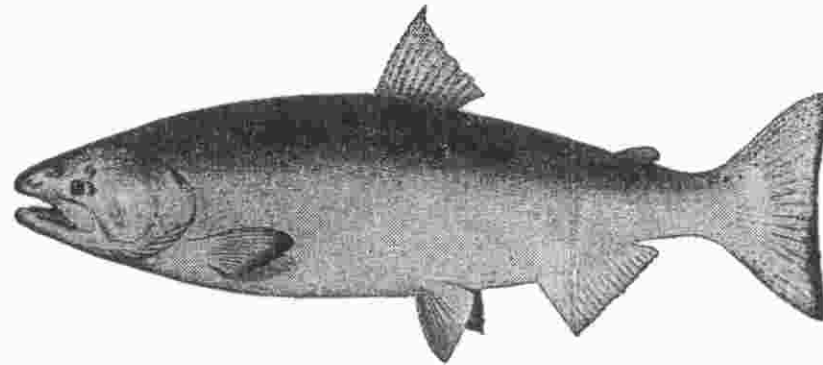
**BROADBILL SWORDFISH**  
Record Weight 842 lbs.



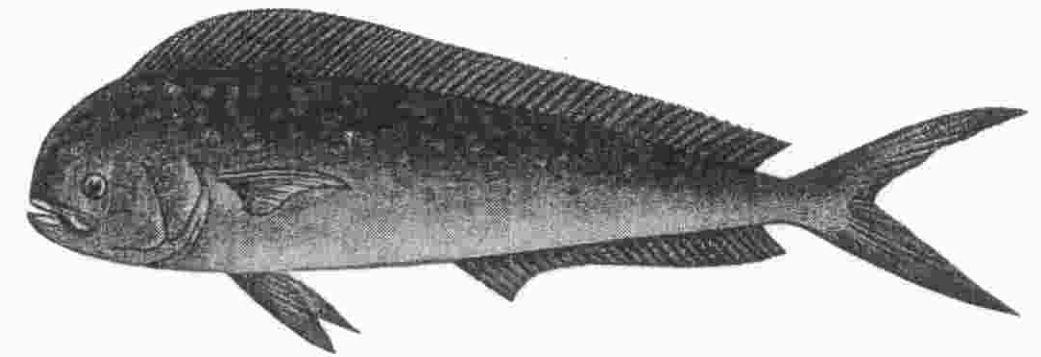
**SAILFISH**  
Record Weight 215 lbs.



**POMPANO**  
Record Weight 30 lbs.

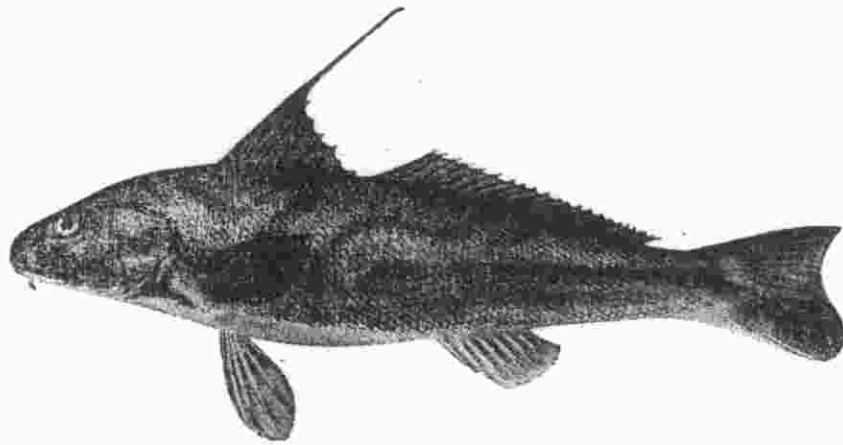


**CHINOOK SALMON**  
Record Weight 83 lbs.

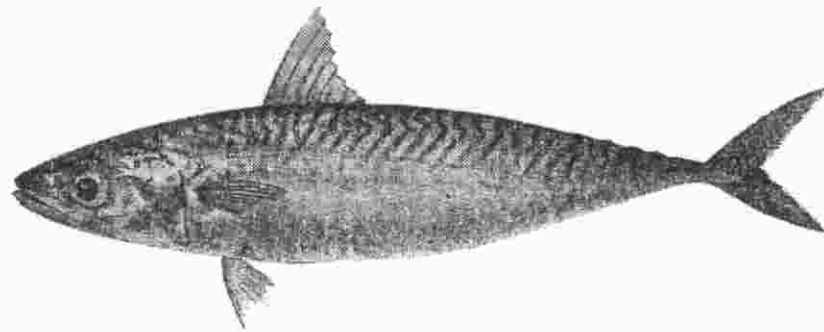


**DOLPHIN (Dorado)**  
Record Weight 63 lbs.

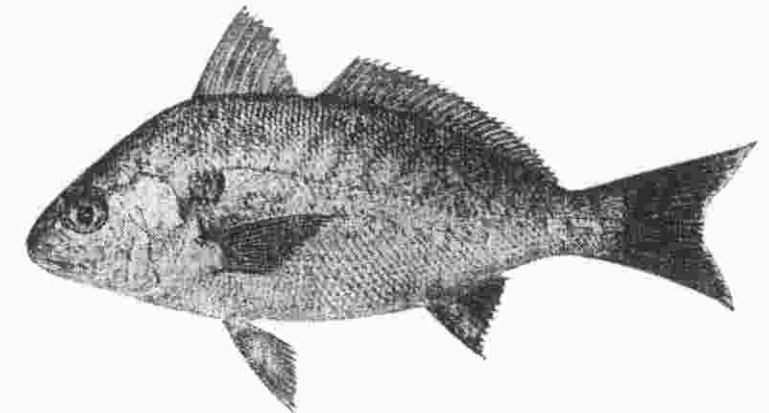
## SALT WATER FISH



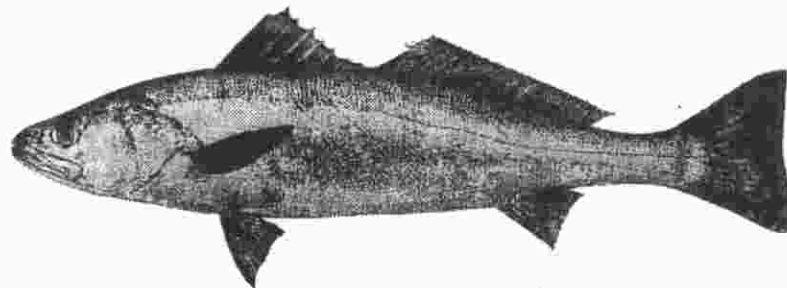
**KINGFISH**  
Record Weight 6 lbs.



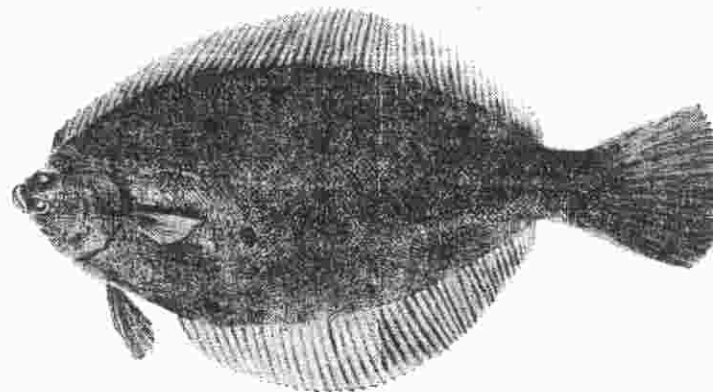
**MACKEREL**  
Record Weight 8 lbs.



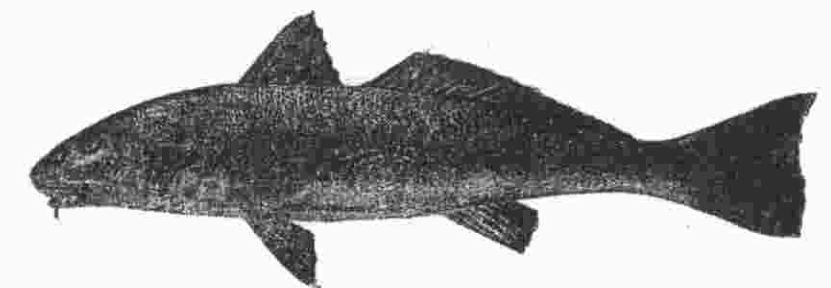
**SPOT**  
Record Weight 1½ lbs.



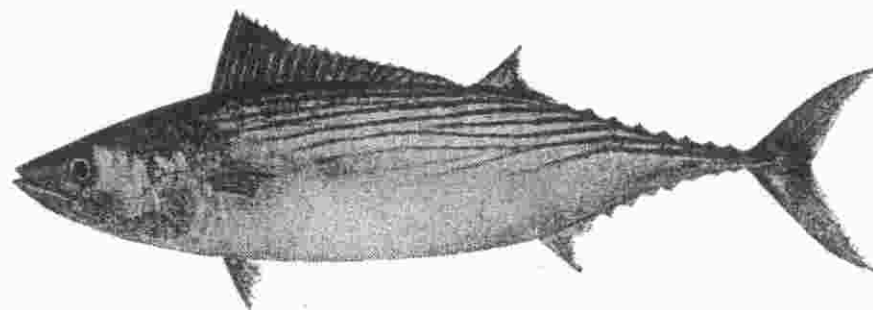
**WHITE SEA BASS**  
Record Weight 68 lbs.



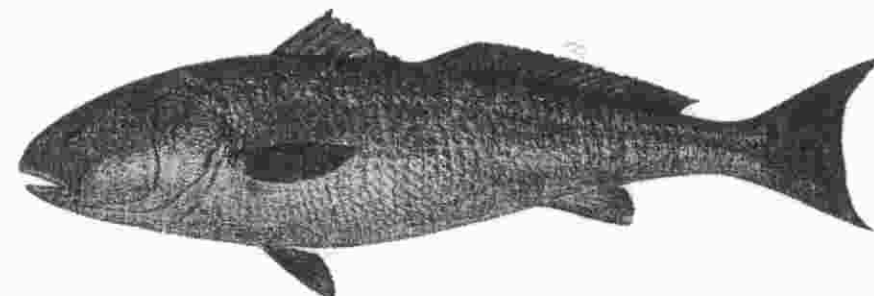
**FLOUNDER**  
Record Weight 19 lbs.



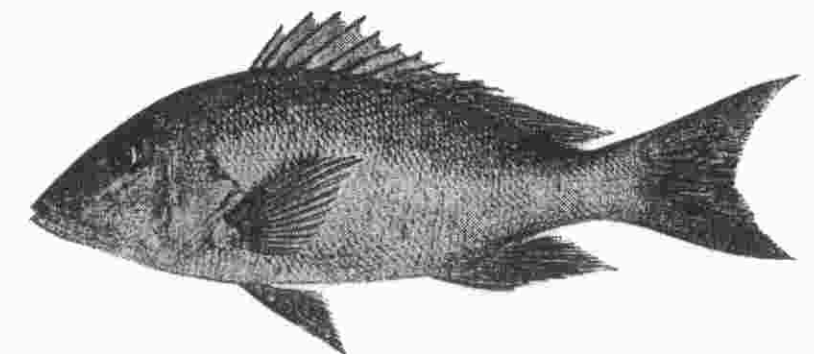
**CORBINA**  
Record Weight 9 lbs.



**BONITO**  
Record Weight 18 lbs.



**CHANNEL BASS (Red Drum)**  
Record Weight 74 lbs.



**RED SNAPPER**  
Record Weight 12 lbs.

# TACKLE SPECIFICATIONS

## TUNA CLUB, AVALON, CALIFORNIA

**Heavy Tackle**—Rod to be of wood or cane, with usual mountings, and shall consist of butt and tip and shall be not shorter than 6 feet 9 inches over all. Tip shall not be less than 5 feet in length and shall weigh not more than 16 ounces. Line shall not exceed standard 24-thread linen line and shall have a maximum breaking strain when dry not to exceed 66 pounds.

**Light Tackle**—Rod to be of wood or cane, with usual mountings, and shall consist of butt and tip and shall be not shorter than 6 feet over all. Butt shall not exceed 14 inches in length. Tip shall be not less than 5 feet in length and shall weigh not more than 6 ounces. Line shall not exceed standard 9-thread linen line and shall have a maximum breaking strain, when dry, not to exceed 26 pounds.

**Three-Six Tackle**—Rod to be of wood or cane with usual mountings, and shall consist of butt and tip and shall not be shorter than 6 feet over all. Butt shall not exceed 14 inches in length. Tip shall be not less than 5 feet in length and shall weigh not more than 4½ ounces. Line shall not exceed standard 6-thread linen line and shall have a maximum breaking strain, when dry, not to exceed 16 pounds.

## ROD AND REEL CLUB, MIAMI BEACH, FLORIDA

Tackle	4-6	5-9	6-12
Maximum butt length . . . . .	15 inches	18 inches	21 inches
Maximum tip weight . . . . .	4 ounces	5 ounces	6 ounces
Maximum tip length . . . . .	5 feet	5 feet	5 feet
Maximum line size . . . . .	6 thread	9 thread	12 thread

**Heavy Tackle**—There shall be no restrictions on rods. Leaders and double line shall not exceed 20 feet each in length. The ratio of pounds of fish to thread of line shall determine eligibility of entries. Although any size of line may be used, the minimum size for computation of eligibility in contests shall be based on 15 threads.

## ATLANTIC TUNA CLUB, BLOCK ISLAND, R. I.

**Tuna and Swordfish Class**—Rod to be of wood, consisting of a butt and tip, and to be not shorter than 6 feet 9 inches over all. Tip not less than 5 feet in length, and to weigh not more than 16 ounces. Line not to exceed standard 24-thread. For heavy-class tuna and swordfish 36-thread line may be used.

**Light Tackle Class**—Rod to be of wood, consisting of a butt and tip, and to be not shorter than 6 feet overall. Butt to be not over 18 inches in length. Tip not less than 5 feet in length, and to weigh not more than 6 ounces. Line not to exceed standard 9-thread.

**Three-Six Class**—Rod to be of wood or cane, with usual mountings, and shall consist of butt and tip (butt may be of metal) and shall be not shorter than 6 feet over all. Butt to be 12 inches in length. Weight of entire rod shall not exceed 6 ounces. Line shall not exceed 6 threads of 50-lea linen.

## ATLANTIC CITY TUNA CLUB, ATLANTIC CITY, N. J.

**Heavy**—Tip not less than 5-foot. Tip weight not more than 16 ounces. Butt not more than 22 inches in length. Length over all not less than 72 inches. 24-thread line.

**Medium**—Tip not less than 5-foot. Tip weight not more than 12 ounces. Butt not more than 20 inches. Length over all not less than 68 inches. 15-thread line.

**Light**—Tip not less than 5-foot. Tip weight not more than 9 ounces. Butt not more than 18 inches. Length over all not less than 64 inches. 9-thread line.

**Three-Six**—6-foot overall. Entire rod, including butt, not to weigh more than 6 ounces. 6-thread line.

## SAILFISH CLUB OF FLORIDA, PALM BEACH, FLORIDA

The rod must have a butt not over 20 inches in length. The tip of the rod must not be less than 60 inches in length and must not weigh over 6 ounces overall. The line used must not be over 12-thread and the wire leader must not be over 12 feet in length.





40-lb. Striped Bass caught at Montauk, L. I., by George L. Crowe of Elmhurst, L. I.



173-lb. Tarpon boated by Kenneth L. Coogle, St. Petersburg, Fla.



279-lb. Broadbill caught by Capt. Ray Eldard, Freeport, L. I., with Senator Reel.



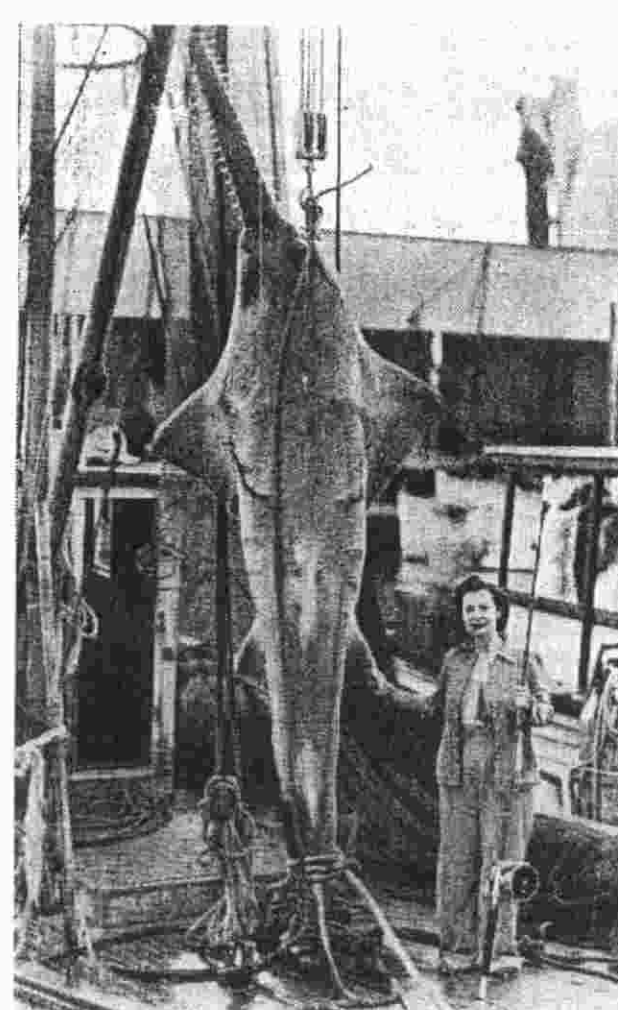
Yellowtail caught by Frank Hoffman of Los Angeles, Cal., with Long Beach Reel.



Wm. Mertz of New York City caught this 43-lb. Striped Bass with Coronado Reel.



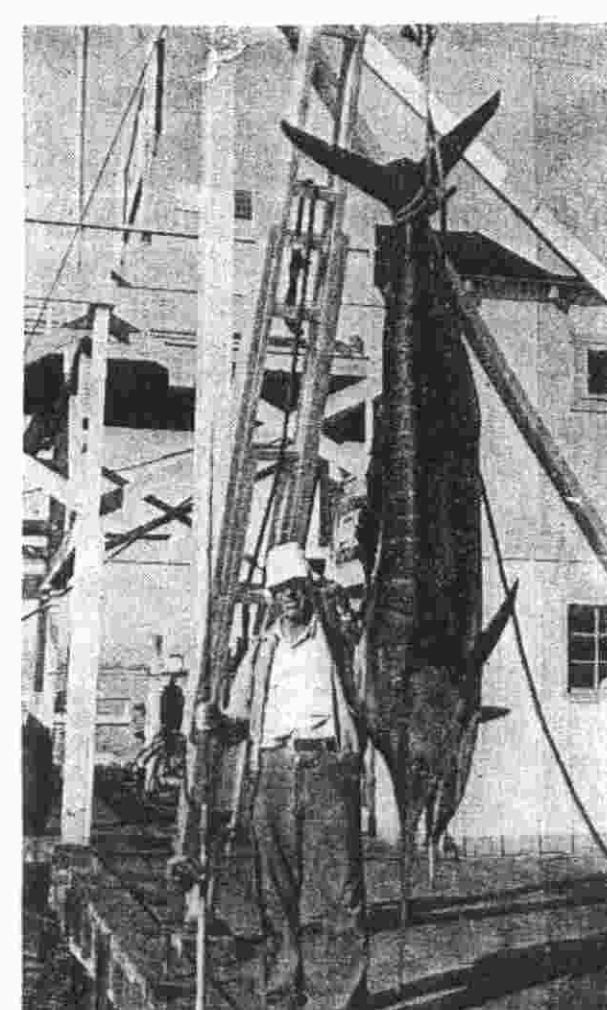
Pair of Marlin caught by John T. Gorin, Vice President of the Pacific Sailfish Club, Balboa, C. Z.



Record Sawfish 14 feet in length, weight 625 lbs. caught by Miss Winnie Belt of Houston, Tex.



795-lb. Bluefin Tuna caught in Ipswich Bay by Frederick S. Gibbs of Waban, Mass.



260-lb. Marlin caught on 9/0 Penn Senator Reel by Thos. W. Eckford of Escondido, Cal.