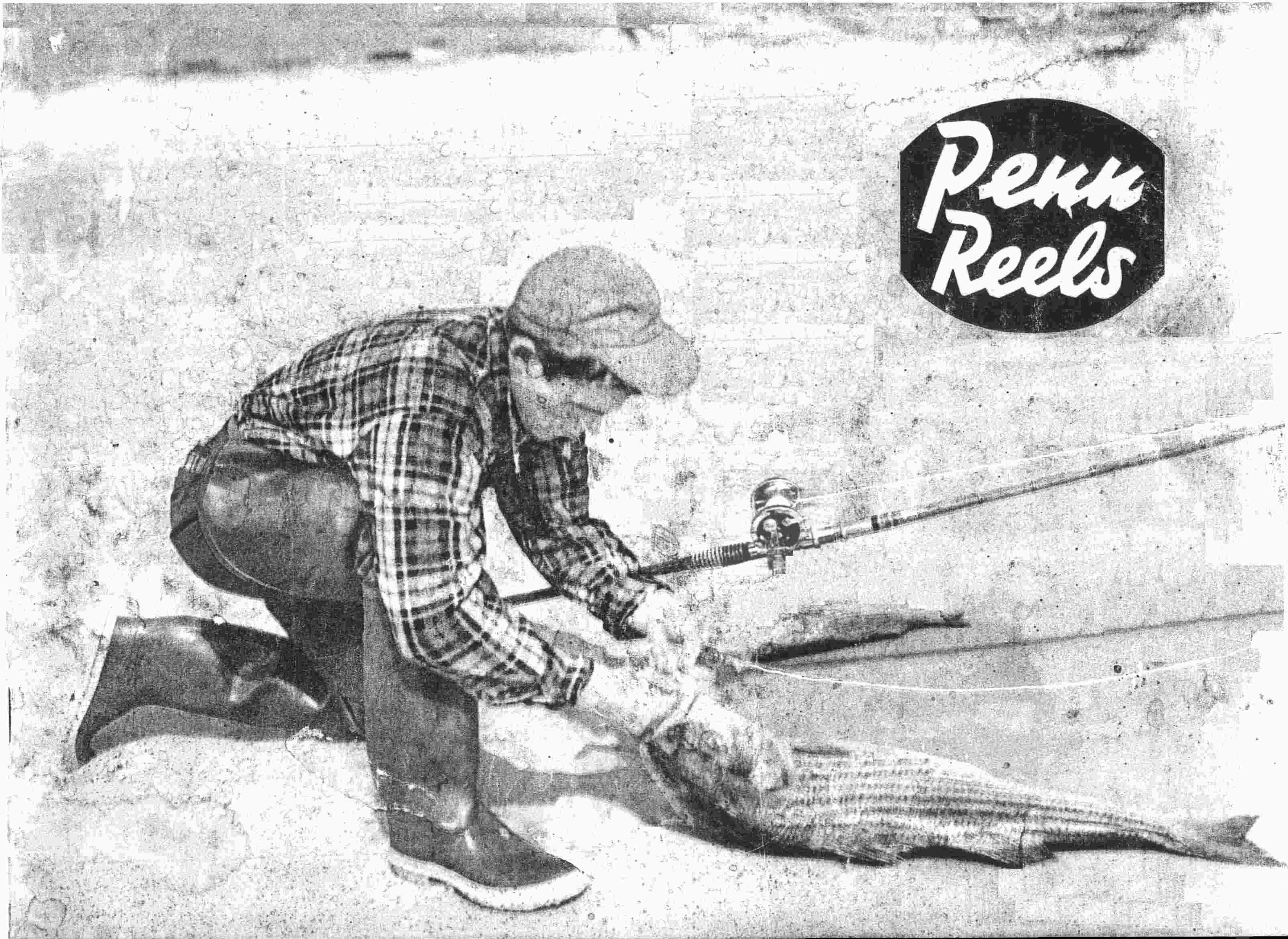


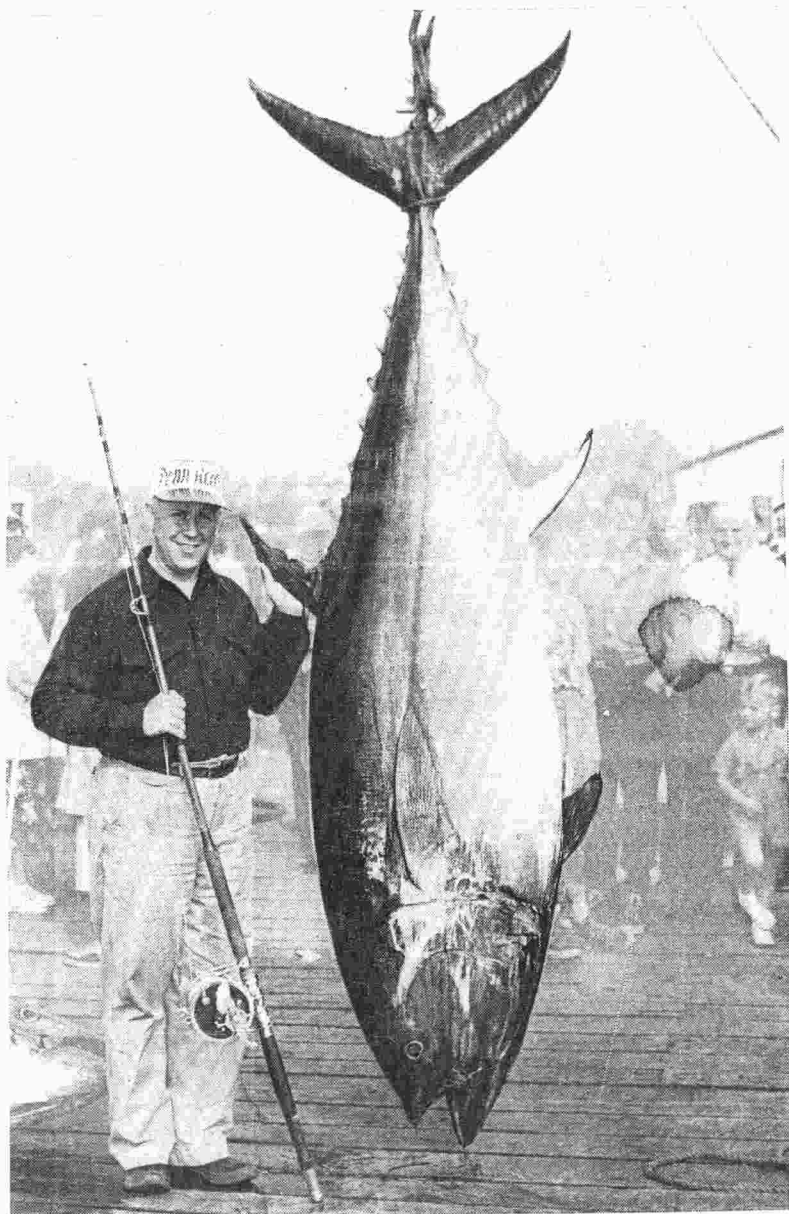
*Pett
Reels*



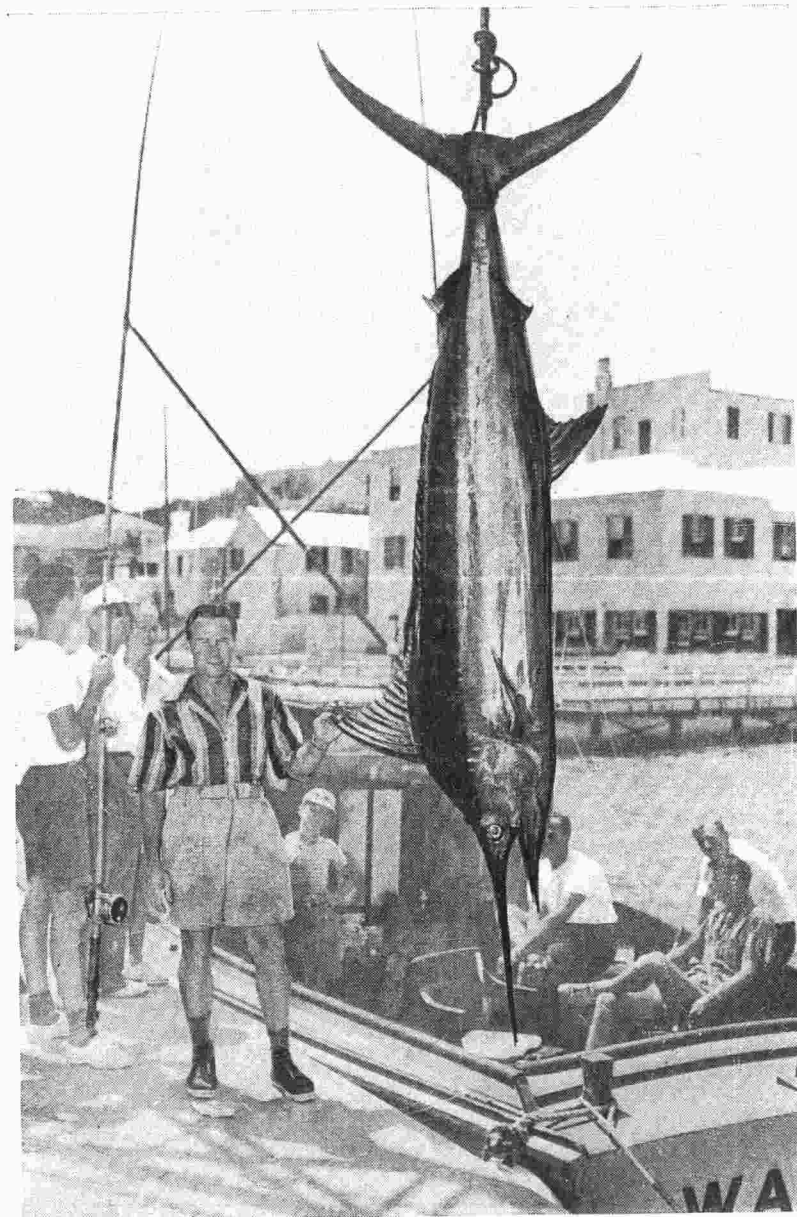
BEST FOR SPORT FISHING



CATALOG No. 16

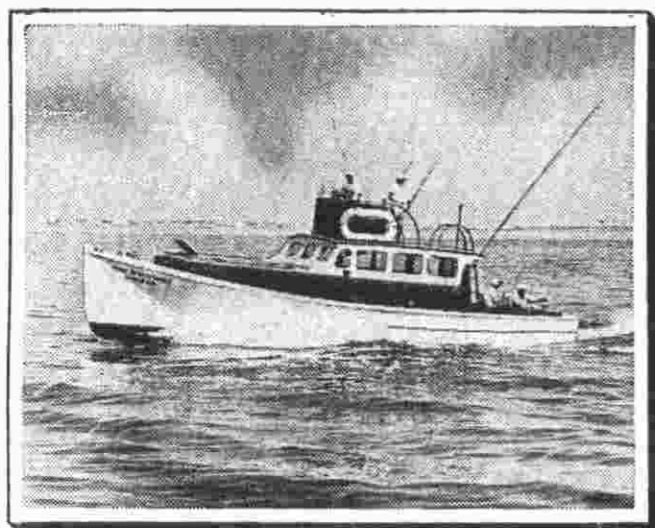


To Ken Smith, a member of the Penn Reel Company, went the honor of boating this 586 lb. tuna, in one hour, with a 10/0 Penn Senator Reel, at Soldier's Rip, Wedgeport, Nova Scotia, 9-11-50.



During the 1949 tournament at Hamilton, Bermuda, this 370 lb. Marlin was caught by Durham Stevens. He used a Penn Senator 9/0 Reel, with a 24 thread line.

PENN REELS—THE FISHERMEN'S FRIENDS



*F*ISHING, as a hobby, is America's greatest pastime. We make this statement because more people fish for the joy they derive therefrom, than any other sport.

We are happy to present our 1951 catalog; and it is our heart-felt hope that its content shall prove interesting and helpful to anglers everywhere.

We, at Penn, have served our fishermen friends for nearly two decades, and have had as our guiding objective, the making of fishing reels as nearly perfect as possible, for a price consistent with the quality of our product. We pledge ourselves to remain true to this aim. As in the past, we guarantee our reels to perform as promised, and against defects in material and workmanship.

Our No. 16 catalog has been made possible by the many contributions sent to us by the host of loyal supporters, users of Penn Reels, whose continued and loyal patronage we wish herewith to gratefully acknowledge. We solicit their future support, as well as that of new customers; and invite their contributions of constructive suggestions. We are never too busy to listen to a customer who wants to talk reels, or fishing. Thanks, also, to the myriad of dealers, everywhere, who have been loyal Penn boosters.

In our present catalog we have attempted to show our line of fishing reels in an orderly, interesting manner, helpful to the beginner in selecting his first reel. We have divided fishing into three groups; and have listed the respective reels in the order of their relative suitability for meeting a particular fishing need.

1. Surf fishing, including pier, bridge and trestle fishing.
2. Bay and bottom fishing.
3. Trolling and big game fishing.

Because of this listing of our thirty-eight models of reels, all of which may be had in either right or left hand, it is now made easy for the novice to buy the reel best suited for the kind of fishing he intends to do. While we recommend the use of a particular model of our reels for a certain kind of fishing, because of its special features, it is of course not restricted only to this one use.

With the hope that our reels shall become an integral part of a well-balanced ensemble of fishing tackle that reflects the individuality of its owner, we wish you—"Good luck and good fishing!"

PENN FISHING TACKLE MANUFACTURING CO.



Guarantee

This PENN REEL is a fine piece of mechanism, precision made, and expertly assembled. It should be given the care that it deserves.

We guarantee this reel against defective material and workmanship for **ONE YEAR FROM DATE OF PURCHASE.**

My Conservation Pledge

As a sportsman who believes in the preservation of the God-given gifts of nature, for posterity, I hereby pledge, as a good American, to save and help defend the natural resources of our country—its fish, wild life, and birds, its soil and minerals, its forests and its waters—and exert whatever influence I may possess, to persuade others to do likewise.

"FAIR TRADE LAW"

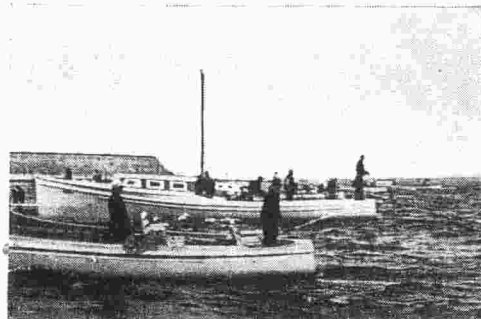
Your Guarantee of "A FAIR DEAL"

All Penn Reel Prices listed in this catalog are registered under the FAIR TRADE LAW. Every Penn Reel Dealer is bound by the FAIR TRADE LAW of his STATE to sell Penn Reels at LISTED PRICES. This Fair Trade Law is your protection and your assurance of buying Penn Reels at the RIGHT price from any Penn Reel Dealer.

Penn Fair Trade YOUR Penn Fair Deal

Prices Subject to Change Without Notice

Sport Fishing



THE SEA BECKONS

All along the extensive coast line of our continent, countless thousands of anglers enjoy their favorite pastime—fishing. Indeed, our coastal waters offer fishing opportunities unequalled throughout the world. From the small pan fish to giant game fish, from the cold water fish to the exotic tropical species, all roam our territorial waters and furnish exciting and healthful sport. The placid bays and inlets, the roaring surf, the rolling sea, comprise to make an 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 YOUR BOY FISHING

The fishing bug bites us at a very tender age, and the resulting impression usually lasts a long time. Rare, indeed, is the boy who would not show more than casual interest, when asked to go fishing. It doesn't matter whether it's a country boy, or a city boy, if you want to give him a real treat, take him with you. You'll get closer to him, and have a wonderful opportunity to plant seeds of real living in the fellowship of common interests. And, say—don't forget the girls, either.



FISH FOR THE SPORT

Almost every sport in America has its code of ethics. Fishing, as a sport, should be no exception. Fish for the sport of catching fish. Catch all you can use for your table, but never kill fish wantonly. Set yourself a reasonable limit, thereafter, release your fish and let them get away, to furnish sport for some other day. Let's not overlook the fact that some species of fish have come to a point of near-extinction, wanton slaughter may threaten others. Save fish for posterity—don't be a fish hog!

Trolling



THE THRILL OF GAME FISHING

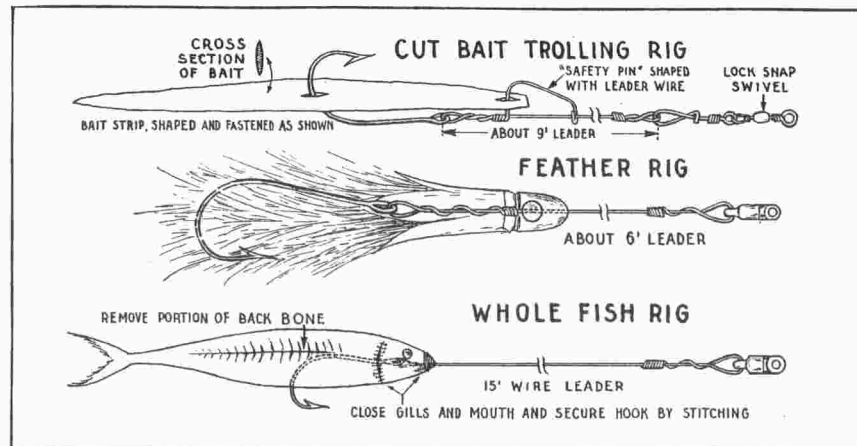
To battle the terrific rushes of a powerful game fish is the fulfillment of a lifetime dream of every fisherman, and will truly provide the angler with never-to-be-forgotten thrills. Whether it be Sailfish, Marlin, Tuna or Swordfish, the anxious moments of the strike, the hard give and take battle following, 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 proper weight and length to be in accord with the line. The reel should only be large enough to hold the required length of line. The length and size of the leader should be of reasonable dimensions, and when doubling line, its length should not exceed the length of the leader.

The suggestions in the tackle chart, on page 17, are not made as a hard and fast law, but merely to promote ethics of sportsmanship, a measure of uniformity, and full enjoyment of a grand 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 enthusiasts. However, too radical a departure from generally accepted average weight of tackle, either on the light or heavy side, is not advisable.

TROLLING RIGS ILLUSTRATION



Bottom Fishing

A GLORIOUS PASTIME

Of the many forms of saltwater 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 daily, throughout the year, for a day's pleasure fishing, at a nominal cost. 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 sport practically all the year round.

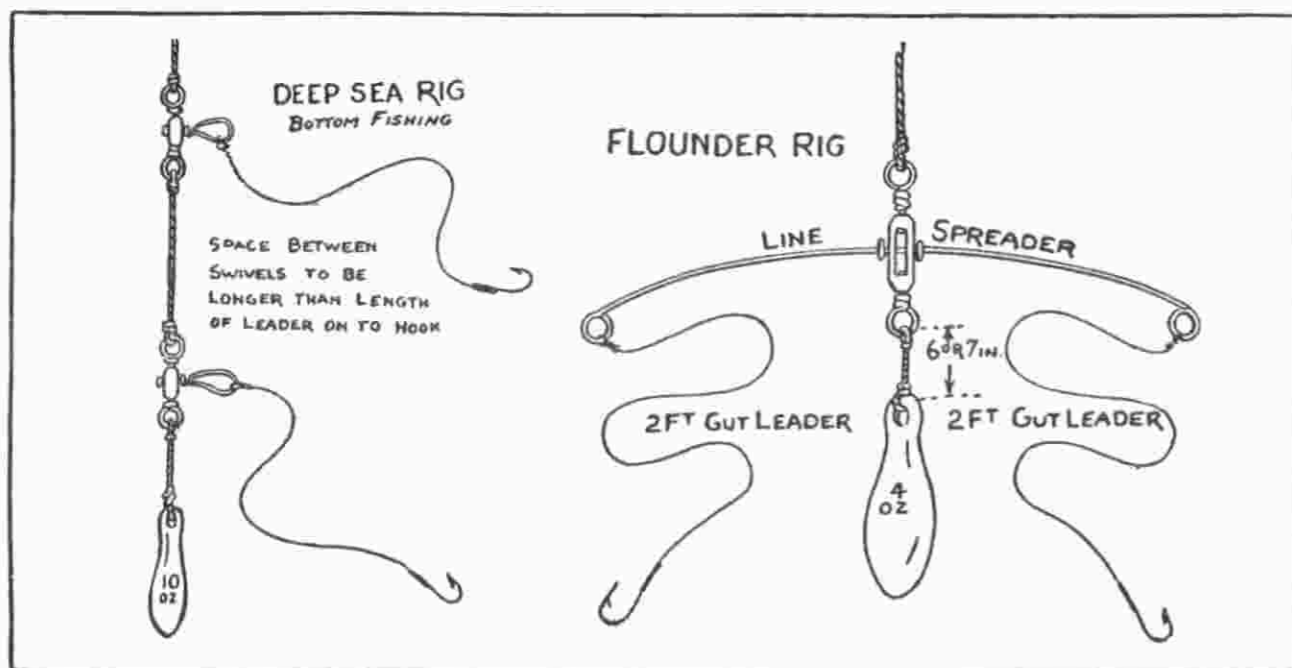
Efficient captains take the fishermen offshore, and anchor their boats at a likely spot, the so-called feeding grounds. Here is where a variety of fish feed at the bottom, due to certain conditions of the ocean floor. Fishing is done by baiting the hook with clams, crabs, worms, or fish bait; and letting it sink to the bottom. For this reason a lead sinker of sufficient weight, depending on the depth of the water and strength of current, is attached to the line.

A good outfit consists of a short two-piece boat rod, five to six feet overall, a multiplying salt-water reel, 50 to 200 yards line of from 9 to 15 threads, snelled hooks, swivels, and sinkers. Below are shown some commonly used bottom rigs.



On pages 12 and 13 are shown reels designed for bottom fishing, especially for deep water fishing. They have high gear ratios, providing for speedy action, and the oversized handles with torpedo grip will give the fisherman entire satisfaction; and we highly recommend these especially designed bottom fishing reels. These reels are also well suited for wire line fishing.

BOTTOM FISHING RIGS ILLUSTRATION



Bay Fishing

THE LIGHT TACKLE SPORT

To many anglers, inland waters look fishless, but many thousands enjoy fishing the inlets, bays, channels, and creeks from hired rowboats, outboards, or small inboard motor boats.

In offshore fishing the captain hunts the fish and tells the angler when to drop his line, but in inshore fishing, it is usually the angler's own responsibility to find the good spots, and fish at the right stage of the tide, with suitable baits. Once an angler has acquired the necessary experience of inshore fishing, the waters of bays and inlets remain no longer fishless, but furnish good sport of catching many species of game fish

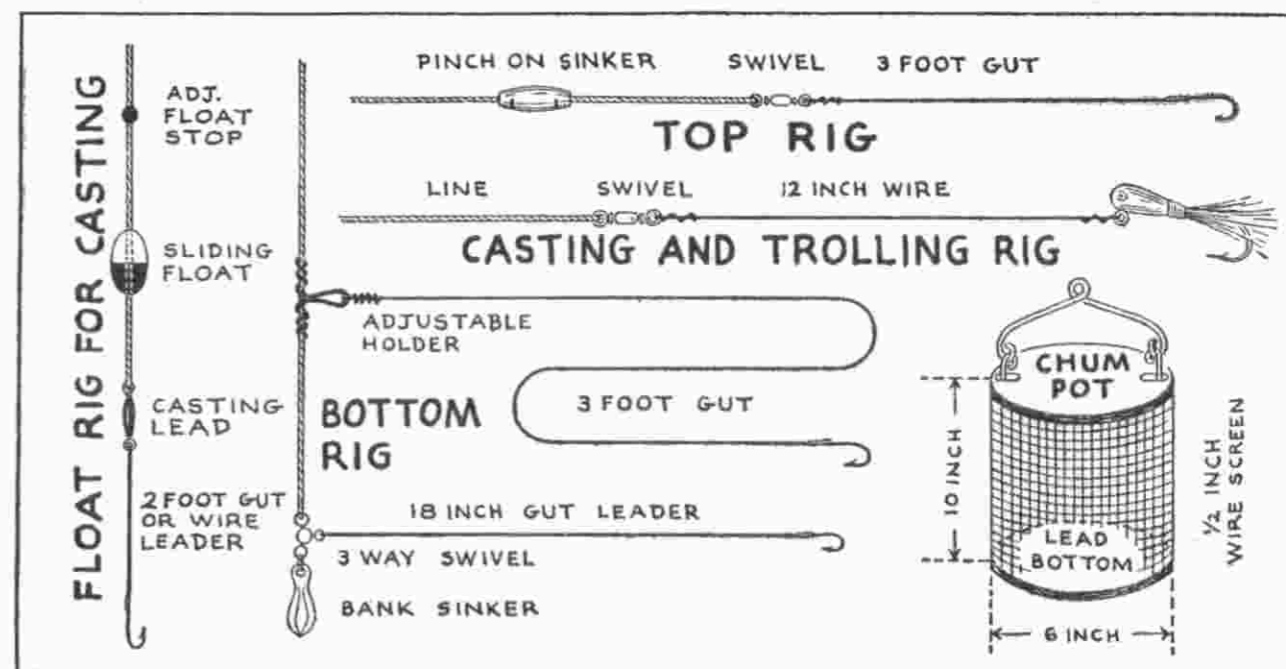


that invade shallow water for feeding and spawning, during many months of the year.

Fishing inland waters is either bottom fishing with natural cut bait, or live bait and sinker; deep fishing with a float set to the required depth; top fishing with live bait on a floating line, or casting and trolling with artificial lures. Bottom fishing is done with the boat anchored or drifting. With the boat anchored, chumming will increase the catch. Cast well away from the boat and make no unnecessary noise. Fish are very wary in shallow water, especially the big ones. Adjust the weight of your sinker to the tidal current, but always use the lightest sinker possible to reach the bottom with a noticeable bump. Continuously lift your rod, and let out a few feet of line, and bump the bottom again. This keeps your bait moving to attract the fish, and also shakes off the bait-stealing crabs. Incoming tides are best, as the fish work with the tide to feed on the small bait which seeks the security of shallow water on the rising tide.

Ideal tackle consists of a light rod $4\frac{1}{2}$ to $5\frac{1}{2}$ feet long, a 100-yd. reel, and 100 yds. of either 6- or 9-thread linen line. For the ideal reel, we recommend our Nos. 180, and 185, on page 9, for bottom, top fishing, and trolling, and our No. 109 on page 14, for casting, as well as top fishing.

BAY FISHING RIGS ILLUSTRATION



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

Surf Fishing

THE CALL OF THE SURF



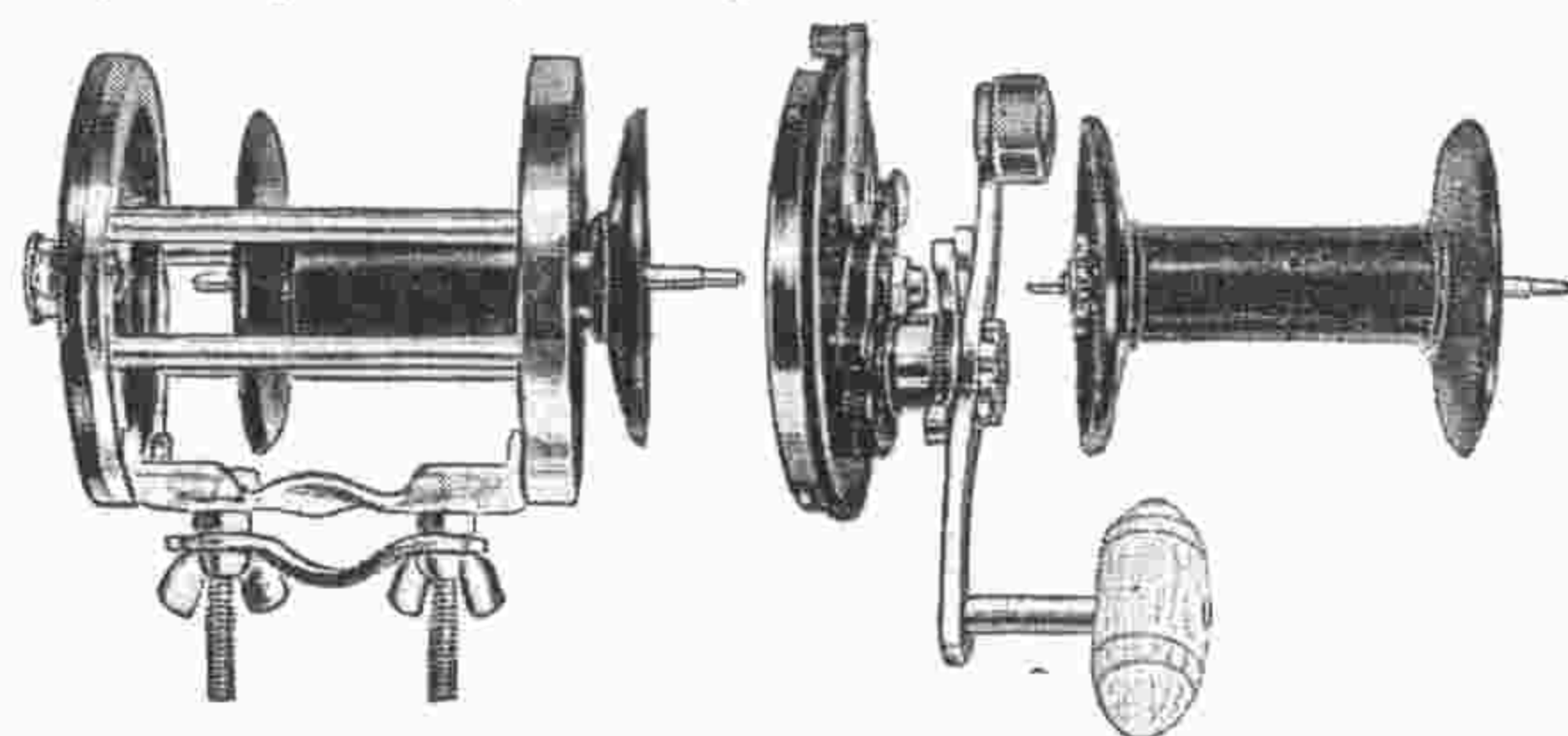
tice to reel in your bait several feet every few minutes, so that it may be kept free of crabs.

SQUIDDING

Not only can shore-feeding fish be caught in the surf, but also game deep-water fish often come close to the beach, chasing and feeding on small bait-fish, which seek the protection of shallow water inshore. On these occasions a tin squid, also called a jig or drail is an excellent fish-taker. As this metal squid is to resemble live bait, it must not be allowed to sink to the bottom, and, therefore, reeled in the instant it hits the water. To get the necessary action, a reel with a gear ratio of 3 to 1 is imperative. These lures weigh only 2½ to 3½ ounces. Therefore a squidding rod should be lighter and more flexible than a bait-casting surf rod.

THE SURF REEL

Specially designed surfcasting reels make casting a real pleasure. Fitted with an extra wide spool, of small diameter and light weight, these reels take the hard work out of casting, give longer casts, and reduce back lashes. Take-apart construction is of advantage in cleaning the reel, as in beach-fishing, there is the danger of the reel becoming sandlogged and useless for fishing. Also, an extra spool is supplied with this model 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 exchange spools. A smooth acting star drag is indispensable when fighting game fish. Reels most widely used today have a line capacity of 200 yards of #9 line. And don't forget, even the best reel will perform better with the help of a little lubrication. Salt water is very injurious to metals, and the reel should be thoroughly lubricated to combat corrosion. Never lay your reel on the sand. When not in use, place your rod in a sand spike and cover the reel with a cloth or plastic reel bag, to prevent blowing sand from getting into the reel, and spoil a day's fishing.



PENN
"SURFMASTER"
EASY-TAKE-APART
REEL
with
2
INTERCHANGEABLE
SPOOLS

Surf Tackle

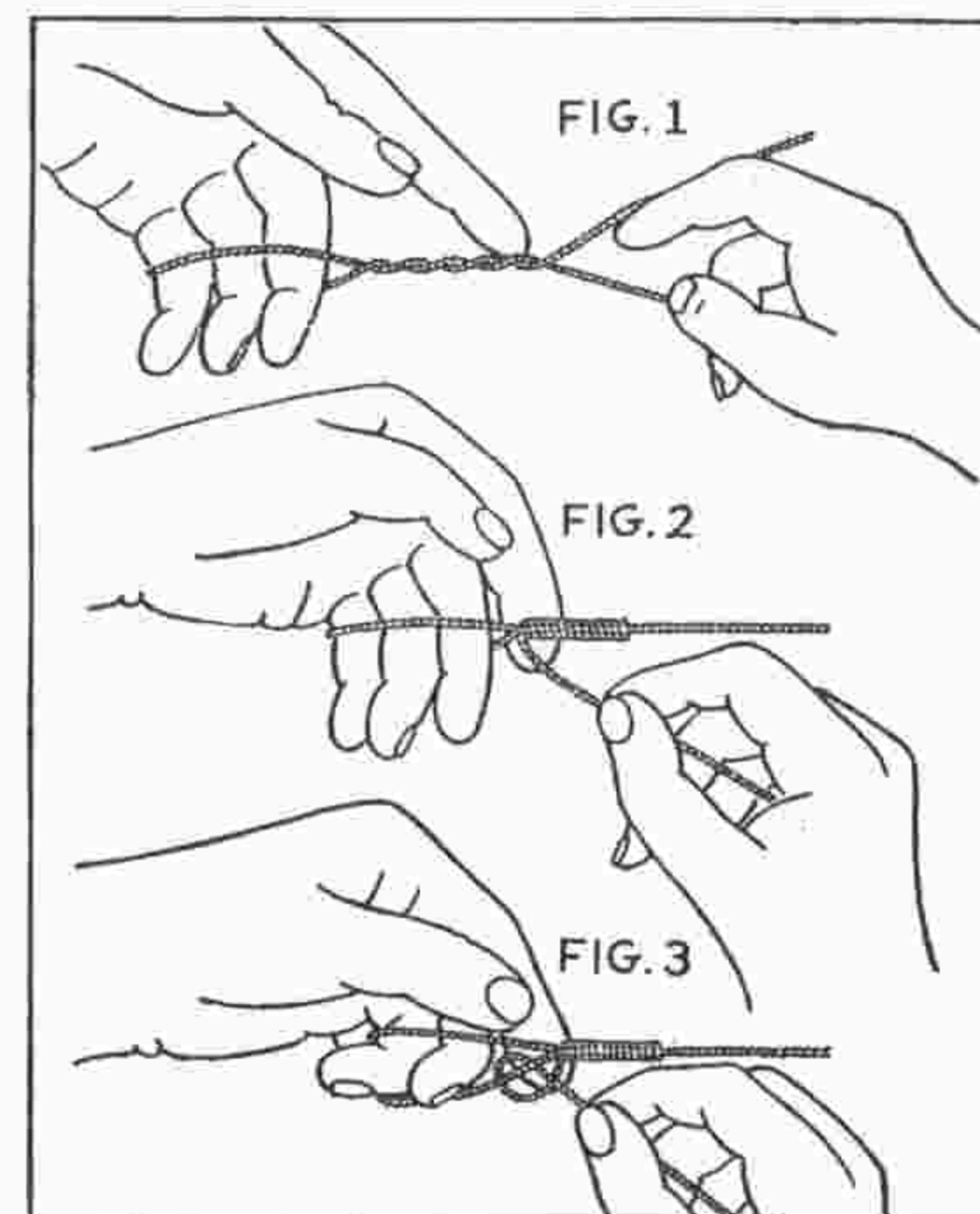
THE SURF ROD



Standard surfcasting rods are made in two pieces, tip and butt, which are joined by metal ferrules. The tip is made 6 to 7 feet in length, and fitted with a large rod top, and one or more line guides along the tip. The weight of the tip is from 10 to 15 ounces; general rule being, short anglers—shorter tips; tall men—longer tips; stiffer tips for weighty baitcasting; whippier tips for lighter metal squids. The butt is made from Hickory, 30 inches in length, and fitted with a screw-lock reel seat, to hold the reel securely in place.

THE SURF LINE

Today the most widely used casting line is 200 yards of 9-thread linen line, of 50 lea; which has a wet breaking test of 27 lbs. and which will land fish of double that weight, safely, when in good condition and without knots. And beware of knots, they will cut a line at a fraction of its tested strength.



MAKING A SAFE LOOP

Fasten the line about four feet from the end to be able to exert a slight tension on the line at all times. Now double about 18 inches of line, and place three fingers of your left hand inside the loop. With your right hand twist evenly the end around the line four times, and hold the twist with the index finger of your left hand (Fig. 1). Now wind closely backwards over the twist (Fig. 2). Always keep a slight tension on the line to hold an even twist, as this is very important. Now secure the end by a half-hitch to each strand of the loop (Fig. 3) and cut off the excess end.

END TACKLE

Always use a swivel on the end of your line. This will prevent untwisting and kinking. Average weight of casting sinker is 4 ounces; pyramid style being used on sandy bottom, and pear-shaped on rocky bottom. There are many styles and sizes of hooks; and it is best to get local advice. Always keep your hooks sharp. Gut leaders vary in length from 12 inches to 3 feet. Wire leaders are necessary for fish with sharp teeth. A fishfinder rig will help to hook fish which do not strike hard. The tin squid, or drail, is a most reliable fish taker. They vary in size and shape to resemble various kinds of bait fish. A narrow 2-inch strip of pork rind on the hook or tail feathers increase their efficiency. Use a short wire leader, and keep your squids shiny.

ACCESSORIES

Other equipment necessary are hip boots, when the water is cold; rod socket belt, to rest your rod when fishing; sand spike, to hold your rod when rigging up, baiting the hook, or taking off fish; bait knife and beach bag, to carry the equipment.

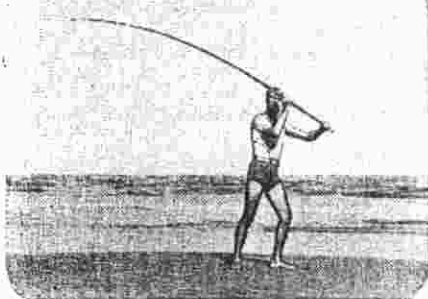
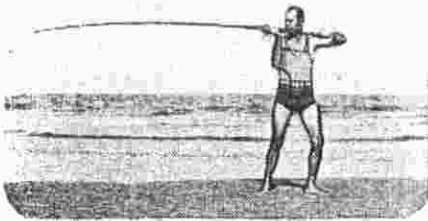
Surf Casting

THE CAST

Brute strength is not required in casting. It is rather a combination of arm, body and leg work that sends the bait far out into the breakers. There are several styles of casting. The cast described below is the most widely used, but if you find that an overhead cast or a side swipe feels easier to you, then cast the way that is most natural to you. The beginner does well not to try to break the world's record of 735 feet. Start easily, then gradually increase the force on the rod, a jerky cast snaps the line or results in backlash. Regardless of the style of casting, the motions of the cast are substantially the same.

Put your left foot forward toward the spot you want to cast, toe set a bit to the right. The right foot is a normal step to the rear and right. You are facing to the right of the target, at an angle of about 45 degrees. Place the right hand up under the reel, with your thumb on the spool. Put the reel in free spool, let out about two feet of line and grasp the lower end of the butt with your left hand. Now twist your body at the hips and, facing backward, bring your rod back as far as possible by extending your right arm and bending your right knee. Your left hand is near the chin, and the tip low to the ground. The left side plate of the reel is facing upwards by a slight twist of your right wrist to the right. From this position, the cast is started by bringing your right hand near the shoulder and your left hand forward. Up to now, the butt is higher than the tip. The power is put into the cast by the simultaneous upward and forward thrust of your right arm and the downward and backward pull of your left arm. During the cast the body is pivoted, and the weight shifted from the right foot to the left foot, as the cast progresses. The rod swings in an arc of about 45 degrees. When the rod is near the vertical, release the reel spool and from then on apply only enough thumb pressure to prevent the over-running of the spool. This proper thumbing might seem difficult to the beginner, but by watching, NOT the sinker but the spool, and thumbing lightly, as soon as loose coils of line develop on the spool, backlash will be eliminated. Follow through with your rod until the tip is in line with the flight of the sinker. You are now facing the target with your body leaning forward and your left knee bent. Your right arm is well extended and your left hand near the left thigh. Hold the rod in this position until the sinker drops, at which time stop the spool entirely to prevent over-running. Shift the reel in gear, reel in all slack line and watch for a strike.

If a backlash occurs, perhaps you forced the cast too much. Straighten out your line and try again with less force. You can cast almost as far with half of your total strength. To eliminate backlash requires the observance of a dozen or more precautions and we are bound to slip up on one of them once in a while, so don't let a backlash discourage you, we all get them.



Casting Tips

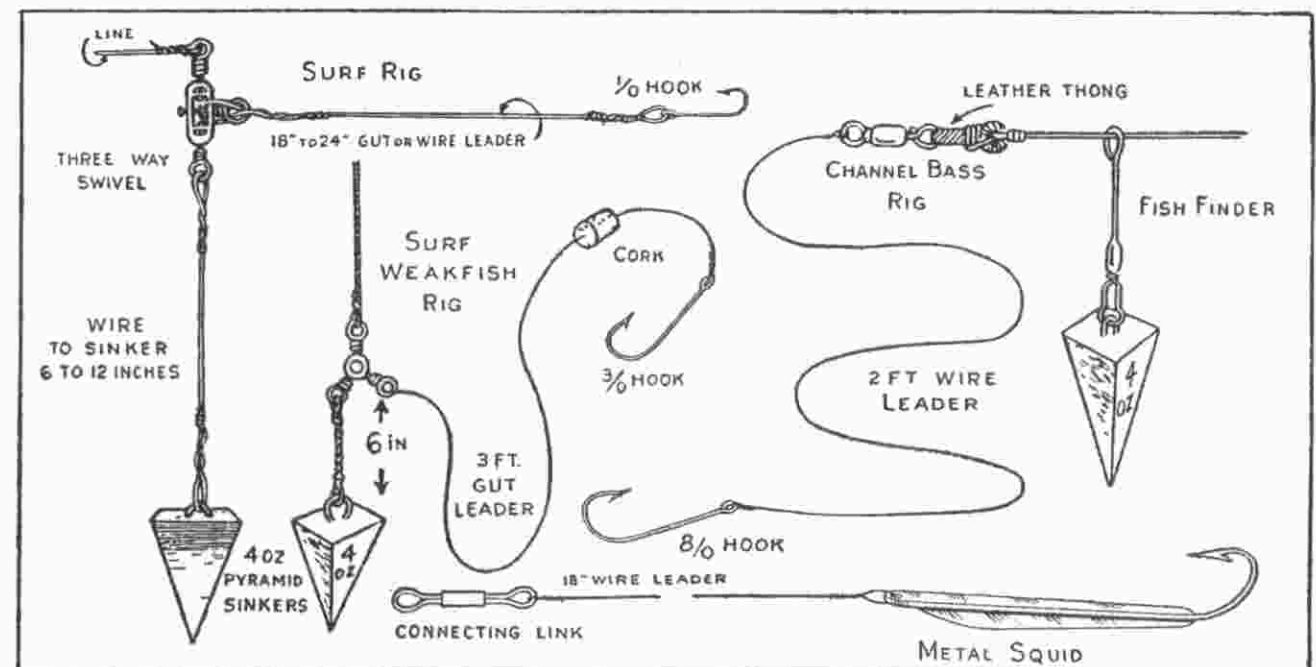
USEFUL TIPS

To cast successfully, several precautions are imperative. Do not start casting with a dry line, you will only burn your thumb, cast short or backlash. Wet linen line is 50% stronger and casts easier. To wet the line, make an easy short cast, dip the tip of your rod into the water and reel the wet line back on the spool. Do not dip your reel into the ocean, as you only get the inside of the reel wet and not much of the line. Another point is to wind the line evenly and tightly on the spool, even in the excitement of reeling in a fish, a humpy spooled line will cause backlash. Also, loose line on the spool will dig in and cause backlash. Heavy oil on the spool bearings cuts down backlashes. Penn #24 Reel oil is excellent for this purpose. Even if you are in a hurry to start fishing, never try a forced cast with a dry, uneven wound or loose line, you will only lose precious fishing time, while trying to untangle the birdnest caused by a backlash. Always take the time to prepare your line with one or more short preliminary casts. Never cast with the click on. The purpose of the click is to signal a strike when the rod is fished in a fixed position. Before each trip, break off about 4 feet from the end of your line, to eliminate any weakness caused by the strain of casting and chafing on the sand. When assembling the rod, line up the guides with the reel to insure even winding. Also, anchor the line to the spool arbor to prevent slipping. Set the star drag to the desired tension before you start fishing. 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 reel might only result in breaking tackle or pulling out the hook.

CARE OF THE CATCH

Fresh fish are delicious food, but fish spoil easily when lying on the beach in the hot sun. Keep the fish out of the sun and cover with wet seaweed, or a wet sack. Bleed, take out the gills, and gut your fish, as soon as possible. To preserve the flavor of the fish, do not scale or cut off the head, do this just before preparing and you will enjoy a delicious meal, more so because you caught the fish yourself.

SURF FISHING RIGS ILLUSTRATION





Penn SURF AND SQUIDDING REELS

DELUXE BALLBEARING — PENN SQUIDDER — SURF CASTING REEL

WIDE FRAME WITH ATTACHED ROD CLAMPS
AIR BRAKE SPOOL TO HELP REDUCE BACKLASH

EQUIPPED WITH:

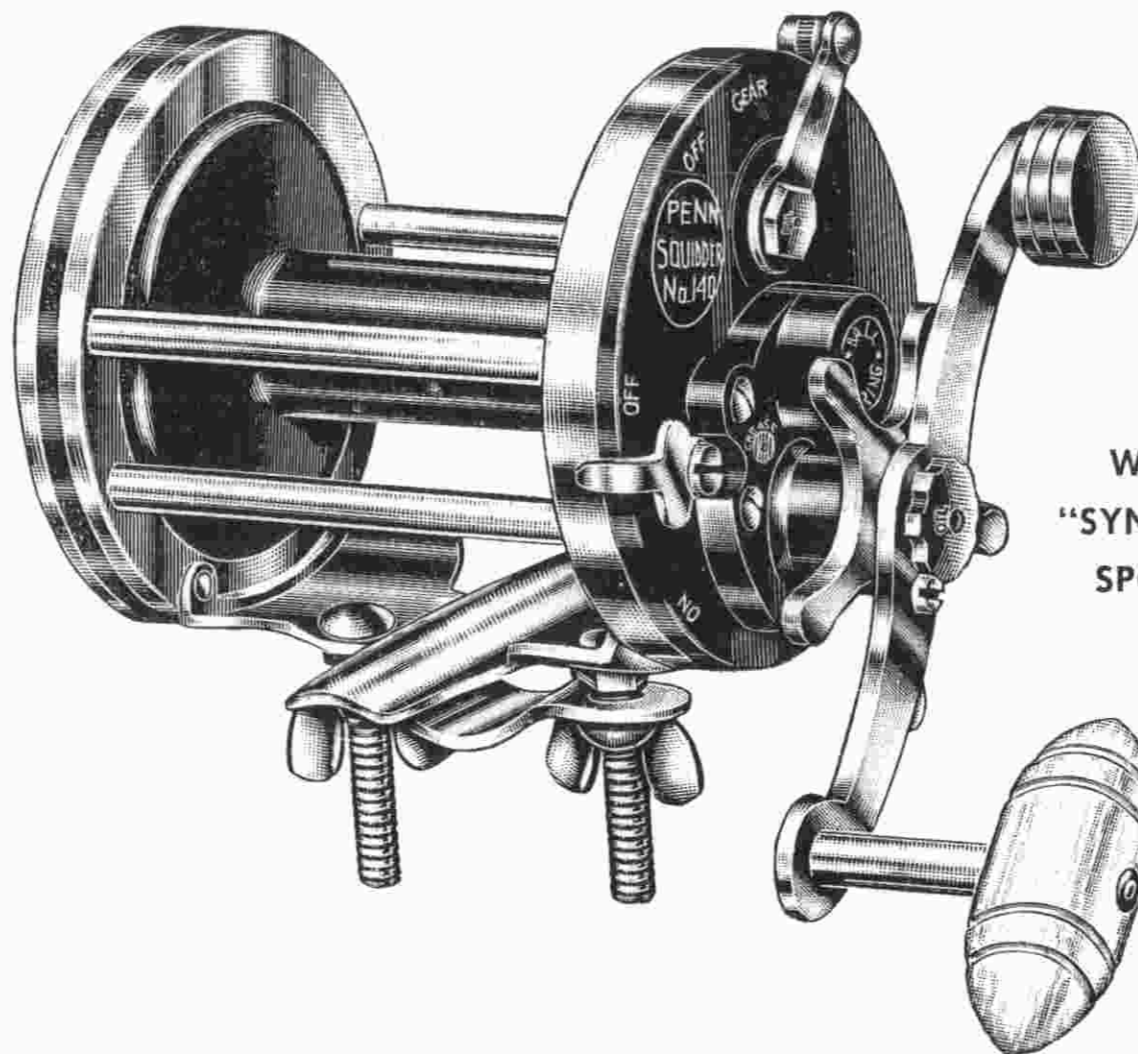
BALL BEARINGS
QUICK TAKE-A-PART

NICKEL SILVER CONSTRUCTION
CONVERTIBLE STAR DRAG

3 1/3 TO 1 GEAR RATIO — TORPEDO HANDLE — FREE SPOOL



Shep Frood, of East Hampton, Long Island, N. Y., caught this large Striped Bass on a Penn Squidder, while surf fishing at Montauk, Long Island. The striper, which weighed an even 50 pounds, was 46 3/4 inches long, and had a girth of 28 1/2 inches. Of this reel, Frood says, "The Penn Squidder is the easiest working of all other brands, and I swear by a Penn."



WITH
"SYNCR" SPOOL

No. 140—Cap. 200 yards, No. 9\$25.00
No. 145—Cap. 150 yards, No. 9 24.00

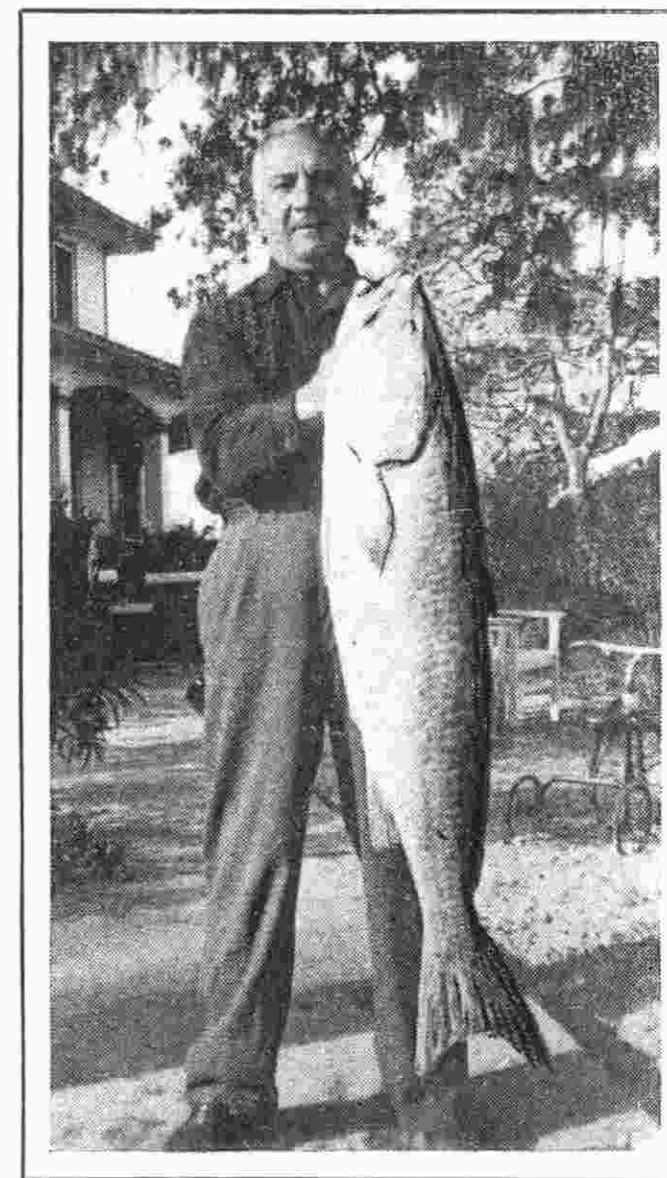
Left hand reels extra \$1.00—mark (LH) after Reel No.

EXTRA SPOOLS

No. 29-140—200-yard spool with air brake fins for 140 reel\$1.50
No. 29-145—150-yard spool with air brake fins for 145 reel 1.50
No. 29-140—200-yard spool without air brake fins for 140 reel 1.50
No. 29-145—150-yard spool without air brake fins for 145 reel 1.50

For left-hand spools mark (L.H.) after No. Specify if wanted with or without air brake fins when ordering extra spools.

The Penn Squidder is the last word in reel design. It has the casting ability of a tournament reel built for fishing. Made in two sizes for medium and light casting. Frame is light in weight and made of nickel-silver. End plates are 2 3/4" in diameter. Spool width of 200-yd. reel is 2 1/16". Spool width of 150-yd. reel is 2 1/8".



Charles Farrara, Seaside Heights, New Jersey, with 35-lb. Channel Bass taken at Cape Hatteras, North Carolina, with Penn Squidder Reel. Mr. Farrara, a tackle dealer at Seaside Heights, who sold thousands of Penn Reels in recent years, says, "I recommend Penn Reels to all my customers and always use them myself, they are my choice."

PENN PLASTIC LIGHTWEIGHT SPOOLS ARE EXCELLENT FOR CASTING

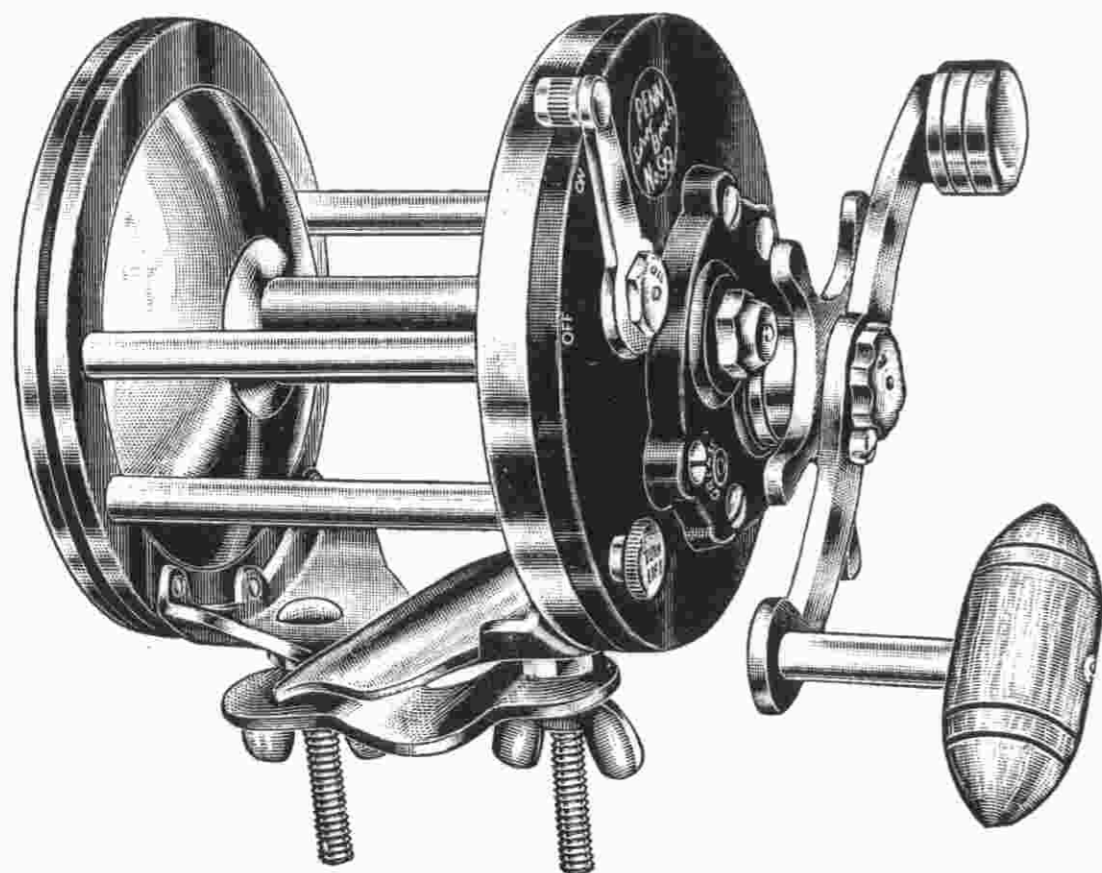
WITH EASY-TAKE-APART FEATURE

and Extra Interchangeable Spool

SILVER BEACH

200 and 250 Yards

THE "2 IN 1" REEL



COMBINATION SURF AND BOAT REEL

With 1 Casting and 1 Trolling Spool

Line Cap. with light plastic CASTING Spool 200 yds. No. 9.

Line Cap. with reinforced metal TROLLING Spool 200 yds. No. 12.

| | |
|---|---------|
| | Price |
| No. 99—With Lightweight and 1 Metal Spool | \$16.00 |
| No. 99LH—Left hand model | 17.00 |

EXTRA SPOOLS

| | |
|--|---------|
| No. 29-99P—Lightweight Plastic Spool | \$ 1.20 |
| No. 29-99M—Heavy-Duty Metal Spool | 1.80 |

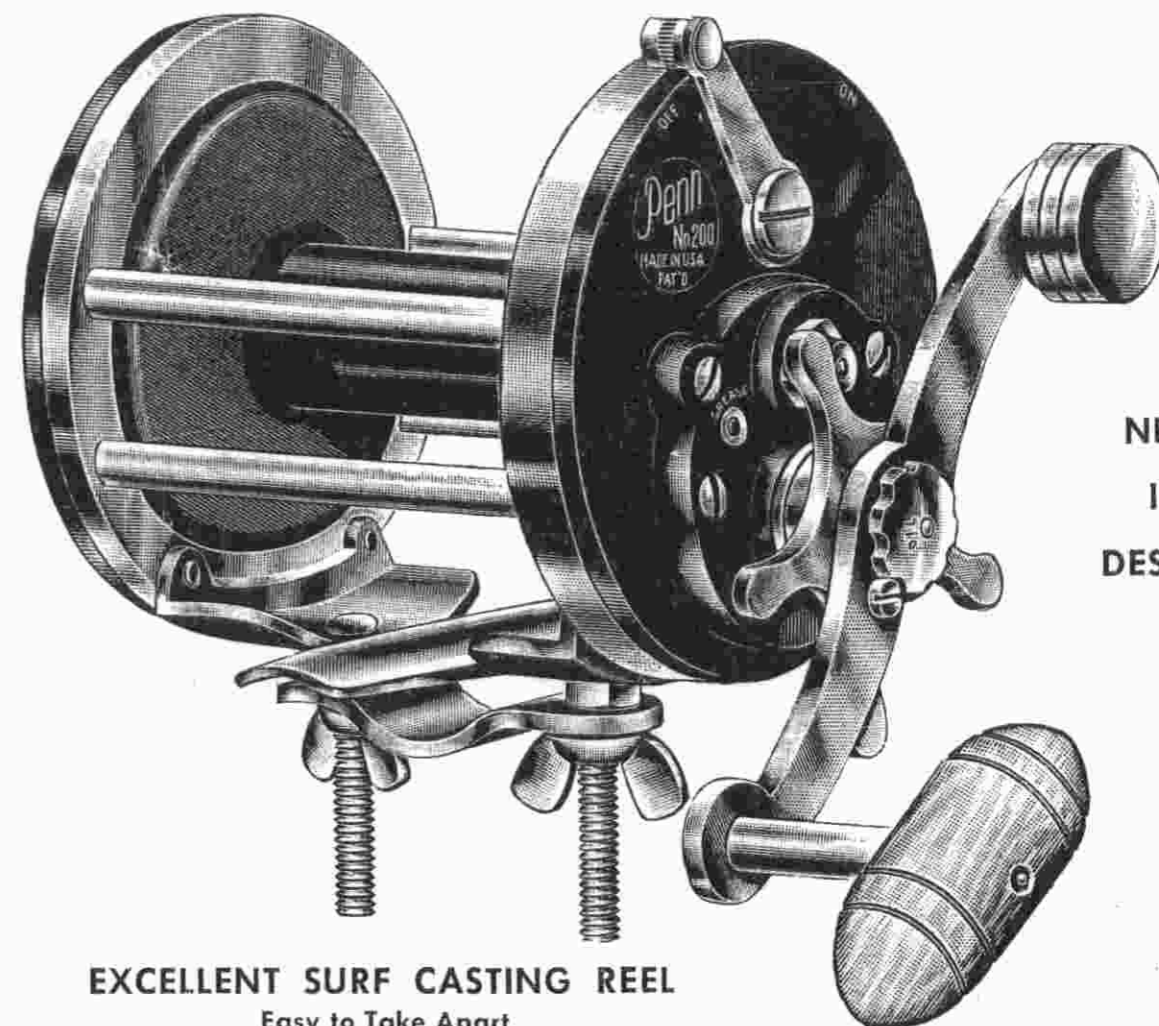
The Silver Beach reel is the perfect all around reel for casting and trolling. This model is equipped with two interchangeable spools, giving the fisherman two different line capacities in one reel. With the lightweight plastic spool the reel has a line capacity of 200 yds. No. 9 and is ideal for surfcasting and squidding. Change in a jiffy to the heavy-duty metal spool, the reel has a line capacity of 200 yds. No. 12 and you have an excellent reel for trolling. Gear ratio is 3 to 1 for fast action. Diameter of reel $3\frac{1}{8}$ ". Spool is $2\frac{1}{8}$ " wide. Frame is made of nickel-silver and chromium-plated. Weight of reel 21 oz.



SURFMASTER

100 to 250 Yards

WITH 2 "EASY-CAST" SPOOLS



NEW
IN
DESIGN

EXCELLENT SURF CASTING REEL

Easy to Take Apart

| No. and Cap. of Reel | Type of Reel | Style of Fishing | Plate Diam. | Spool Width | Weight of Reel | Price Each |
|-------------------------|--------------|------------------|------------------|------------------|----------------|------------|
| No. 100—150 yds. No. 6 | Star Drag | Extra Light | $2\frac{3}{4}$ " | $1\frac{5}{8}$ " | 15½ oz. | \$12.50 |
| No. 150—200 yds. No. 6 | Star Drag | Light | $2\frac{3}{4}$ " | $2\frac{1}{8}$ " | 16½ oz. | 13.50 |
| No. 200—200 yds. No. 9 | Star Drag | Medium | $2\frac{3}{4}$ " | $2\frac{1}{8}$ " | 17 oz. | 14.50 |
| No. 250—200 yds. No. 12 | Star Drag | Heavy | $3\frac{1}{8}$ " | $2\frac{1}{8}$ " | 19½ oz. | 15.50 |

Left hand reels extra \$1.00—mark (LH) after Reel No.

EXTRA SPOOLS

Light Casting Plastic Spools

| | |
|-----------------------------------|--------|
| No. 29-100—For No. 100 Reel | \$1.20 |
| No. 29-150—For No. 150 Reel | 1.20 |
| No. 29-200—For No. 200 Reel | 1.20 |
| No. 29-250—For No. 250 Reel | 1.20 |

Reinforced Metal Spools

| | |
|-----------------------------------|--------|
| No. 29-100M—For No. 100 Reel | \$1.60 |
| No. 29-150M—For No. 150 Reel ... | 1.60 |
| No. 29-200M—For No. 200 Reel ... | 1.80 |
| No. 29-250M—For No. 250 Reel ... | 1.80 |

Metal spools not included with reel. Sold separately only.

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

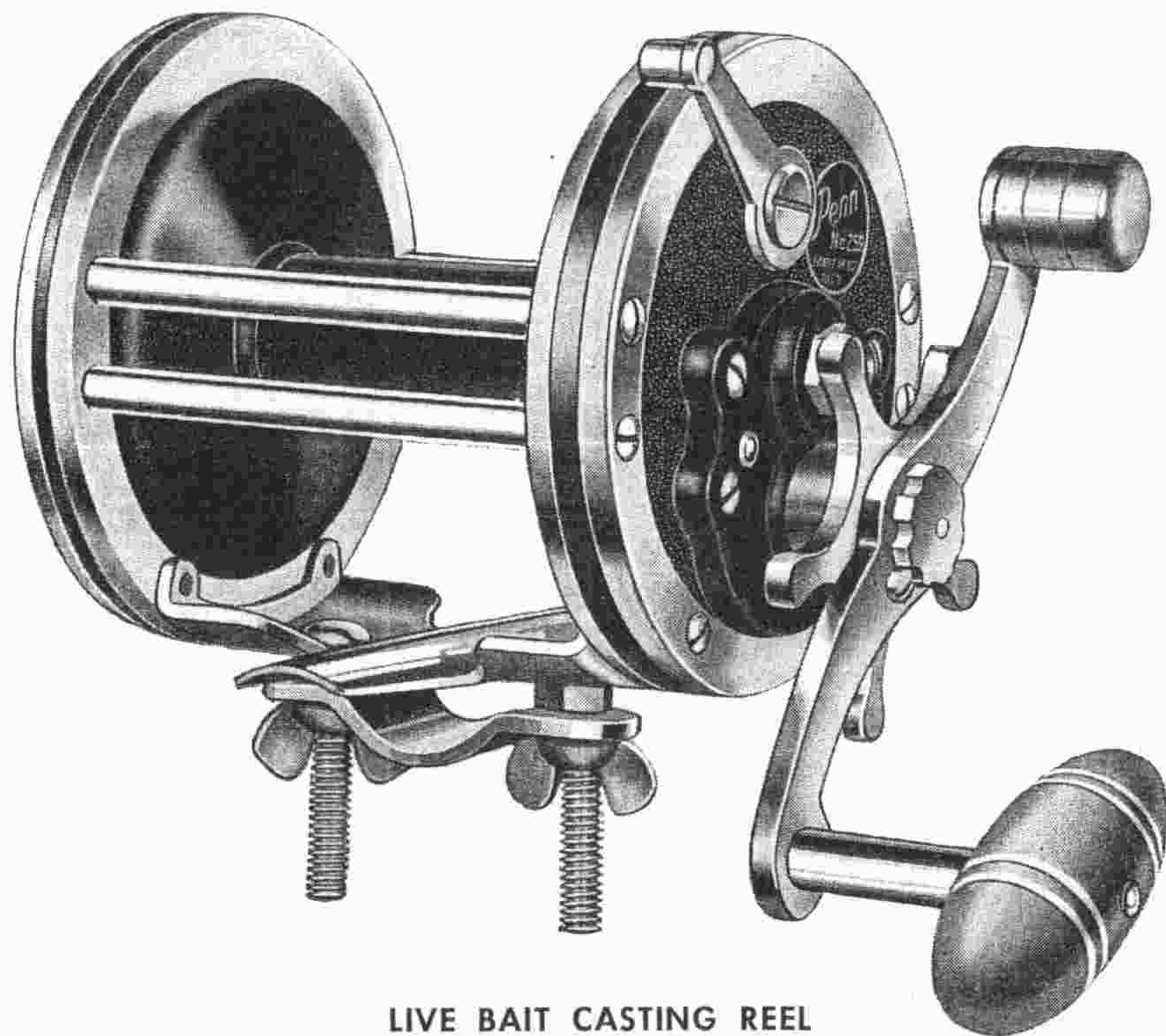
NOTE: ALL LINE CAPACITIES ARE BASED ON 50'S LEA LINEN LINE



Penn LIGHT TACKLE CASTING REELS

LIVE BAIT CASTER

250 and 300 Yards



LIVE BAIT CASTING REEL

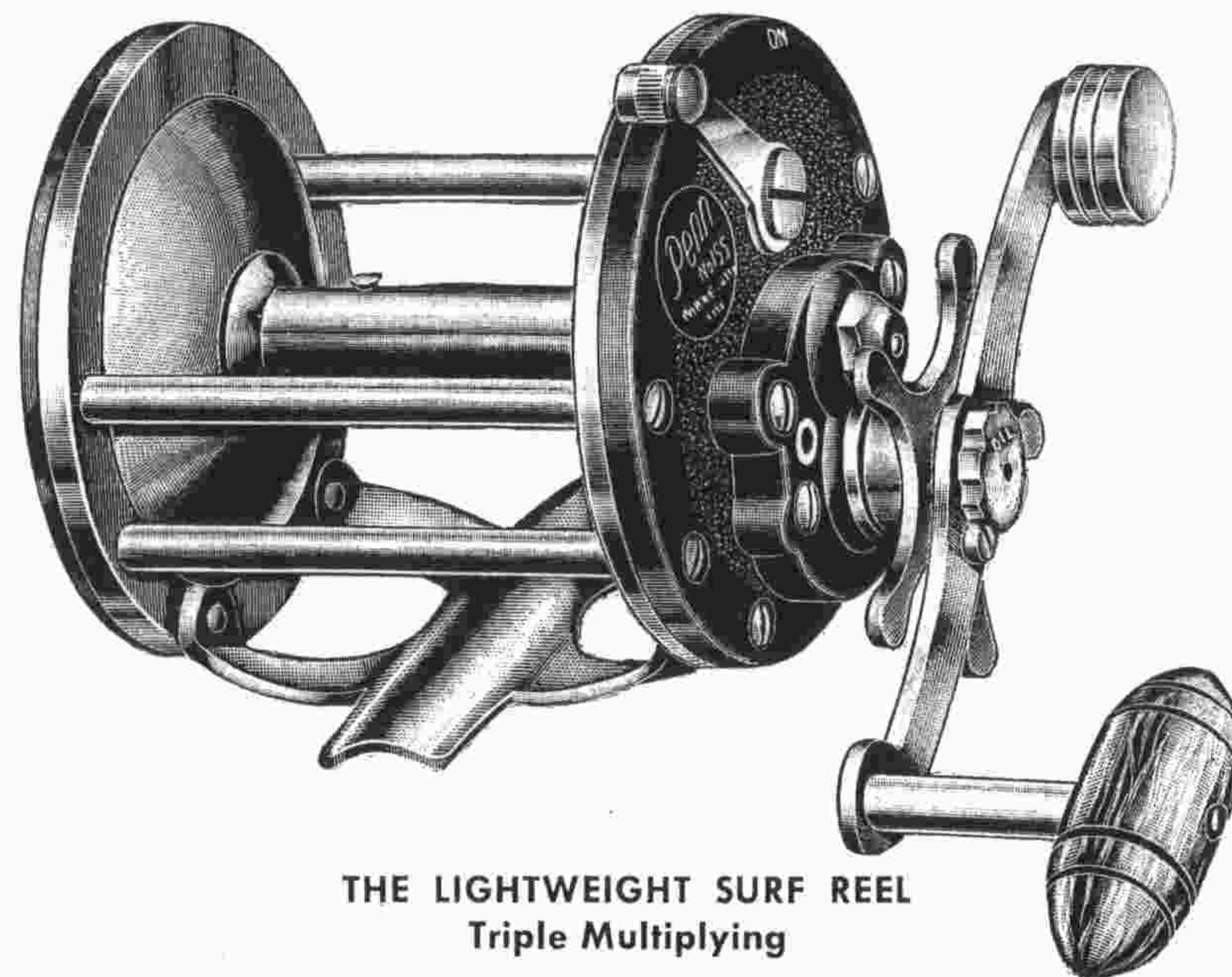
- No. 259—Cap. 250 yds. No. 9; weight 19 oz.Price \$14.00
 No. 259M—Cap. 300 yds. No. 9; weight 22 oz. 14.50

Left hand models extra \$1.00—add (LH) after Reel No.

These sturdily built wide spool reels are especially designed for live-bait casting. The 259 model is equipped with a lightweight spool for smooth easy casting. The 259M is equipped with reinforced metal spool and holds 50 yards additional line making it also adaptable for trolling. End plates are double metal bound, frame is made of nickel-silver and chromium plated. Reels are equipped with triple multiplying non-strip steel gears, free spool clutch, powerful star drag, torpedo handle, rod clamp attachment and one-shot lubrication system.

LIGHT TACKLE SURF REEL

150, 200 and 250 Yards



THE LIGHTWEIGHT SURF REEL Triple Multiplying

- No. 155—Star Drag—Lightweight Spool—cap. 200 yds. No. 9; weight 14 oz.Price \$9.50
 No. 160—Star Drag—Lightweight Spool—cap. 150 yds. No. 9; weight 13½ oz. 8.50
 No. 165—Free Spool—Lightweight Spool—cap. 150 yds. No. 9; weight 13 oz. 6.50

Left hand reels extra \$1.00—mark (LH) after Reel No.

Small, lightweight reel, excellent for surf casting, top and bay fishing. End plates are streamlined, metal bound and beautifully engraved. The lightweight frame is 2¾" in diameter. The spool is light in weight, extra 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.

METAL SPOOL MODELS

Same as the above, equipped with reinforced metal spools.

- No. 155M—Star Drag—Metal Spool—cap. 250 yds. No. 9; weight 16 oz.Price \$10.00
 No. 160M—Star Drag—Metal Spool—cap. 200 yds. No. 9; weight 15 oz. 9.00
 No. 165M—Free Spool—Metal Spool—cap. 200 yds. No. 9; weight 14 oz. 7.00

Left hand models extra \$1.00—mark (LH) after No.

PENN PLASTIC LIGHTWEIGHT SPOOLS DO NOT REQUIRE IDLE FILLER LINE

FOR SURF AND BAY FISHING

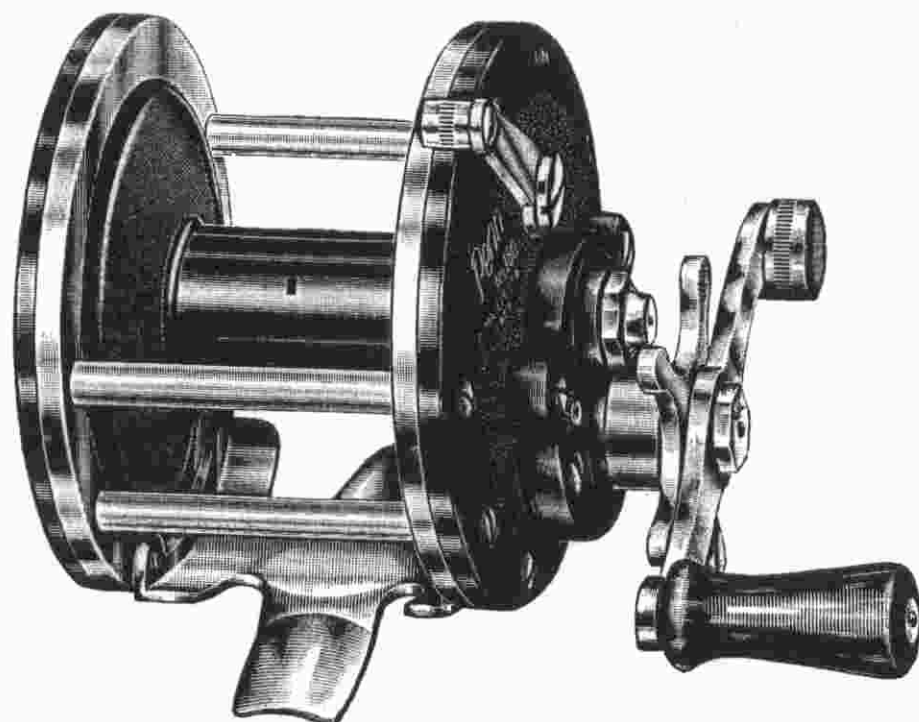
With Easy-Cast Spools and Metal Spools



LIGHT TACKLE BAY REEL

100 Yard

WITH "EASY-CAST" SPOOL



EXCELLENT REEL FOR FRESH WATER LAKE TROLLING AND STILL FISHING

Made with and without Star Drag

| | |
|--|--------------|
| No. 180—Star Drag—For Baitcasting Rods with offset reel seats | Price \$7.50 |
| No. 180S—Same—with long Stand for Saltwater Rods | 7.50 |
| No. 185—Free Spool—For Baitcasting Rods with offset reel seats | 6.00 |
| No. 185S—Same—with long Stand for Saltwater Rods | 6.00 |

Left hand models \$1.00 extra—mark (LH) after Reel No.

(See NOTE below regarding Reel Stands)

A small lightweight 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 $2\frac{3}{4}$ ", spool width $1\frac{1}{8}$ ". Weight $11\frac{1}{2}$ oz.

NOTE: Reels on this page are made with short ($2\frac{3}{8}$ ") and long ($2\frac{11}{16}$ ") reel stands. Reels No. 180, 185, 190, 180M, 185M, 190M with short stands fit all bait-casting rods with offset reel seats. Reels No. 180S, 185S, 190S, 180MS, 185MS, 190MS with long stand fit all salt water and fresh water rods with straight reel seats.

150 Yard

METAL SPOOL REELS

| | |
|---|--------|
| No. 180M—Star Drag— $2\frac{3}{8}$ " stand | \$8.00 |
| No. 180MS—Star Drag— $2\frac{11}{16}$ " stand ... | 8.00 |
| No. 185M—Free Spool— $2\frac{3}{8}$ " stand ... | 6.50 |
| No. 185MS—Free Spool— $2\frac{11}{16}$ " stand .. | 6.50 |
| No. 190M—Free Spool— $2\frac{3}{8}$ " stand ... | 5.50 |
| No. 190MS—Free Spool— $2\frac{11}{16}$ " stand .. | 5.50 |

Same as models described on this page but equipped with reinforced metal spools.

Weights—180M—180MS, $12\frac{1}{2}$ ounces.

Weights—185M—185MS, 12 ounces.

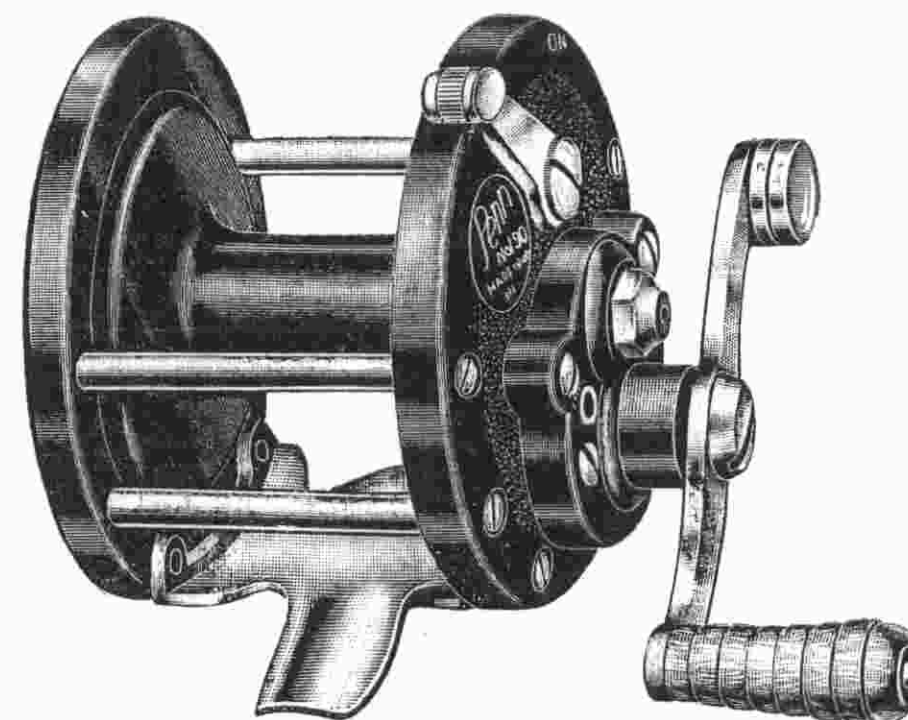
Weights—190M—190MS, 11 ounces.

See NOTE below regarding reel stands.

LIGHT TACKLE BAY REEL

100 Yard

WITH "EASY-CAST" SPOOL



POPULAR REEL FOR FRESH WATER LAKE TROLLING AND STILL FISHING

| | |
|--|--------------|
| No. 190—Free Spool—For Baitcasting Rods with offset reel seats | Price \$5.00 |
| No. 190S—Same—with long Stand for Saltwater Rods | 5.00 |

Left hand models \$1.00 extra—mark (LH) after Reel No.

(See NOTE below regarding Reel Stands)

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 nickel-plated. The small streamlined end plates are beautifully engraved and $2\frac{3}{4}$ " in diameter. Weight 11 oz.

NOTE: ALL LINE CAPACITIES ARE BASED ON 50'S LEA LINEN LINE



Penn NARROW SPOOL REELS FOR

DEEP LAKE TROLLING



At Lyon's Ferry, Snake River, Washington, Mr. John R. Morris, assisted by Mr. George K. Troyer, and his son, Gordon Troyer, caught this 115 pound sturgeon on a No. 149 Penn Reel. According to Bill Hatch, sporting goods dealer from Spokane, the sturgeon is the largest taken on rod and reel in this locality for over 15 years.

REELS FOR DEEP FISHING

The narrow spool reels illustrated on these pages 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 225 yds. No. 12, or 175 yds. No. 15, or 125 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 1/8" in diameter, and the narrow spool is only 1 5/8" in width. Also, the spool is fitted with an extra large 1 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 25.) Gear ratio is 3 1/2 to 1 for fast action.

No. 49M equipped with heavy duty metal spool; cap. 250 yds. No. 12.

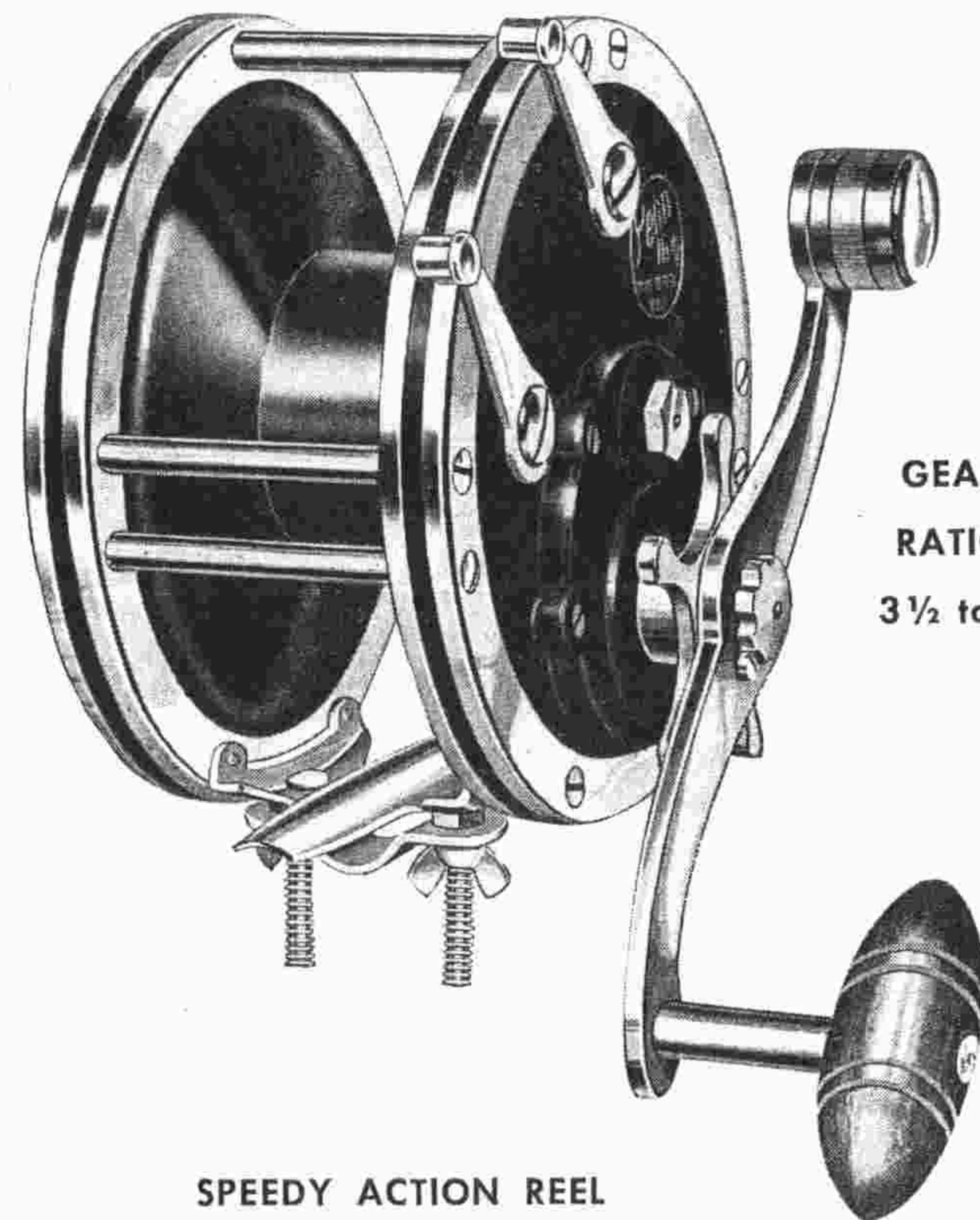
No. 149 reel is a star drag reel of the same general construction, but without the star drag throw-off feature. The gears are double multiplying for easier reeling-in of heavy weights. Ideal reel for deep sea bottom fishing and wire line deep trolling.

No. 149M equipped with heavy duty metal spool; cap. 250 yds. No. 12.

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

PENN No. 49

IDEAL
FOR
WIRE
LINE
TROLLING



GEAR
RATIO
3 1/2 to 1

SPEEDY ACTION REEL FOR LAKE AND SALMON TROLLING

No. 49—Convertible Star Drag—Plastic Spool; weight 28 oz.Price \$16.00

No. 49M—Convertible Star Drag—Reinforced Metal Spool; weight 32 oz. 17.50

Left hand models extra \$1.00—mark (LH) after Reel No.

The Nos. 49 and 49M are fast action reels with gear ratio of 3 1/2 to 1 and one turn of the handle winds in 2 1/2 feet of line. These reels are equipped with our patented convertible star drag, and can be fished as a star drag reel or free spool reel. A flip of a lever converts the reel. (See page 25.) Gears are always in mesh, and cannot strip. The oversize handle is fitted with our torpedo grip. End plates are double metal bound. Reel stand is fitted with an attached rod clamp. Metal parts are polished and chromium-plated.

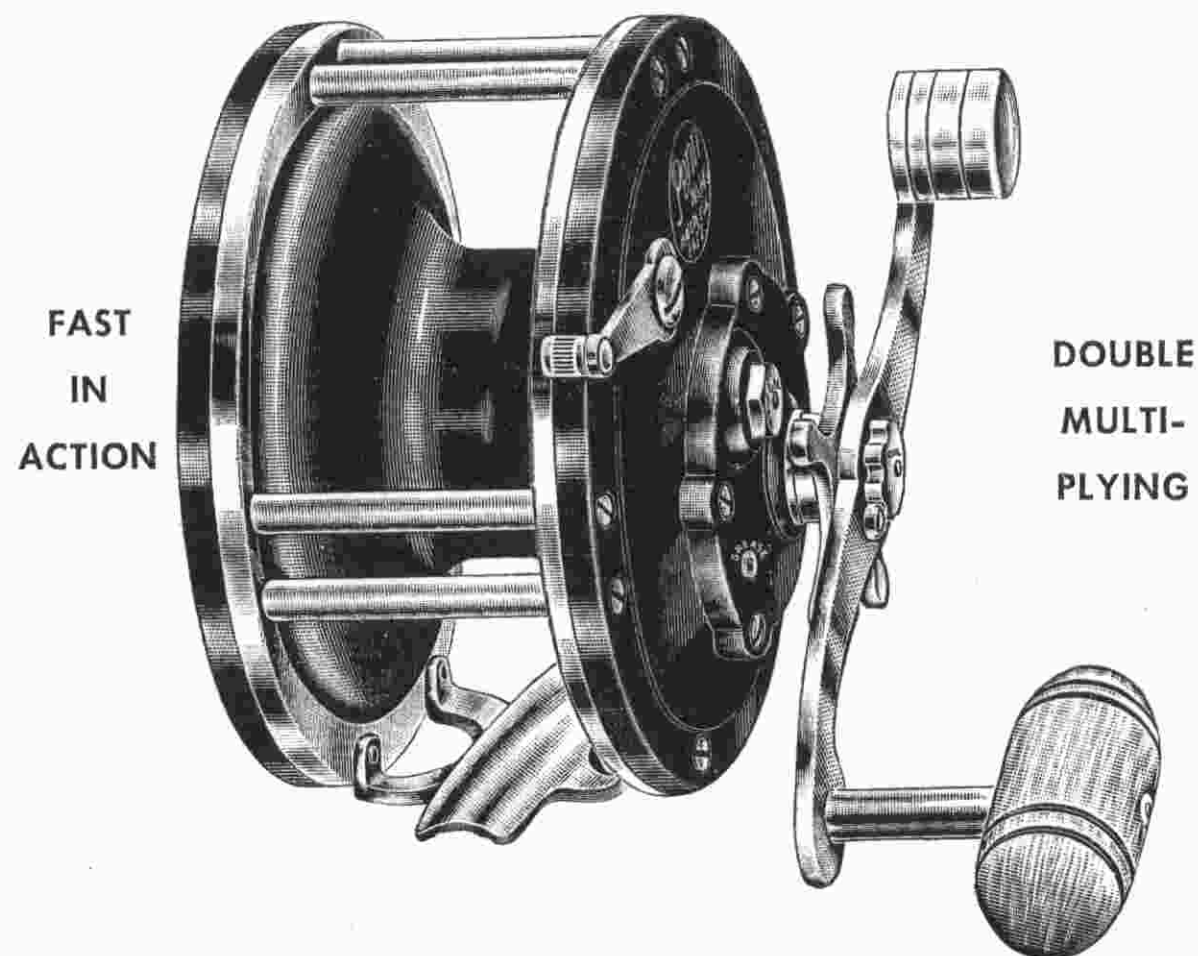
PENN REELS ARE DESIGNED BY FISHERMEN FOR THE FISHERMEN

WIRE LINE DEEP TROLLING AND DEEP SEA FISHING

With Large Arbored Fast Winding Metal or Plastic Spools



PENN No. 149



FAST
IN
ACTION

DOUBLE
MULTI-
PLYING

FAST-ACTION REEL FOR DEEP SEA BOTTOM FISHING

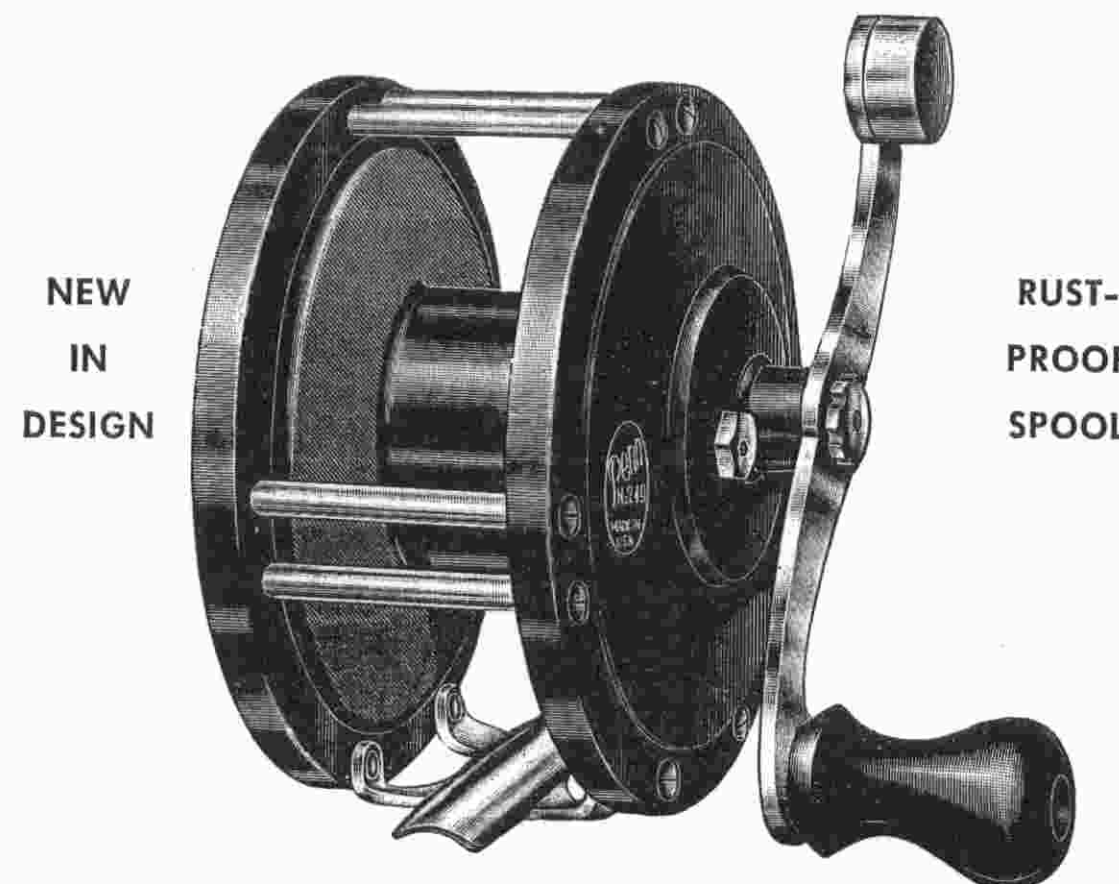
Ideal for Wire Line Lake Trolling

No. 149—Star Drag—double multiplying—Plastic spool; weight 25 oz.Price **\$12.00**

No. 149M—Star Drag—double multiplying—reinforced metal spool; weight 28 oz. ... **13.50**
Left hand models extra \$1.00—add (LH) after Reel No.

The Nos. 149 and 149M star drag reels are built along the lines of the No. 49's, but are without the star drag throw-off feature. The free spool clutch is operated by a snap lever on the rim. The steel gears are double multiplying for easy winding. The oversize handle is fitted with our slip-proof torpedo grip. One turn of the handle winds in 1½ feet of line due to the large diameter (1¼") arbor. Metal parts are hand polished and chromium-plated.

PENN No. 249



NEW
IN
DESIGN

RUST-
PROOF
SPOOL

IDEAL FOR WIRE LINE LAKE TROLLING

No. 249—Triple multiplying, Plastic spool onlyPrice **\$6.50**

Reel can be used left hand.

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 nickel-plated. Weight of reel 18 oz.

LINEN LINE CAPACITY

200 yds. No. 15
250 yds. No. 12

SINGLE STRAND WIRE CAP.

200 yds. .024" diam.
300 yds. .020" diam.

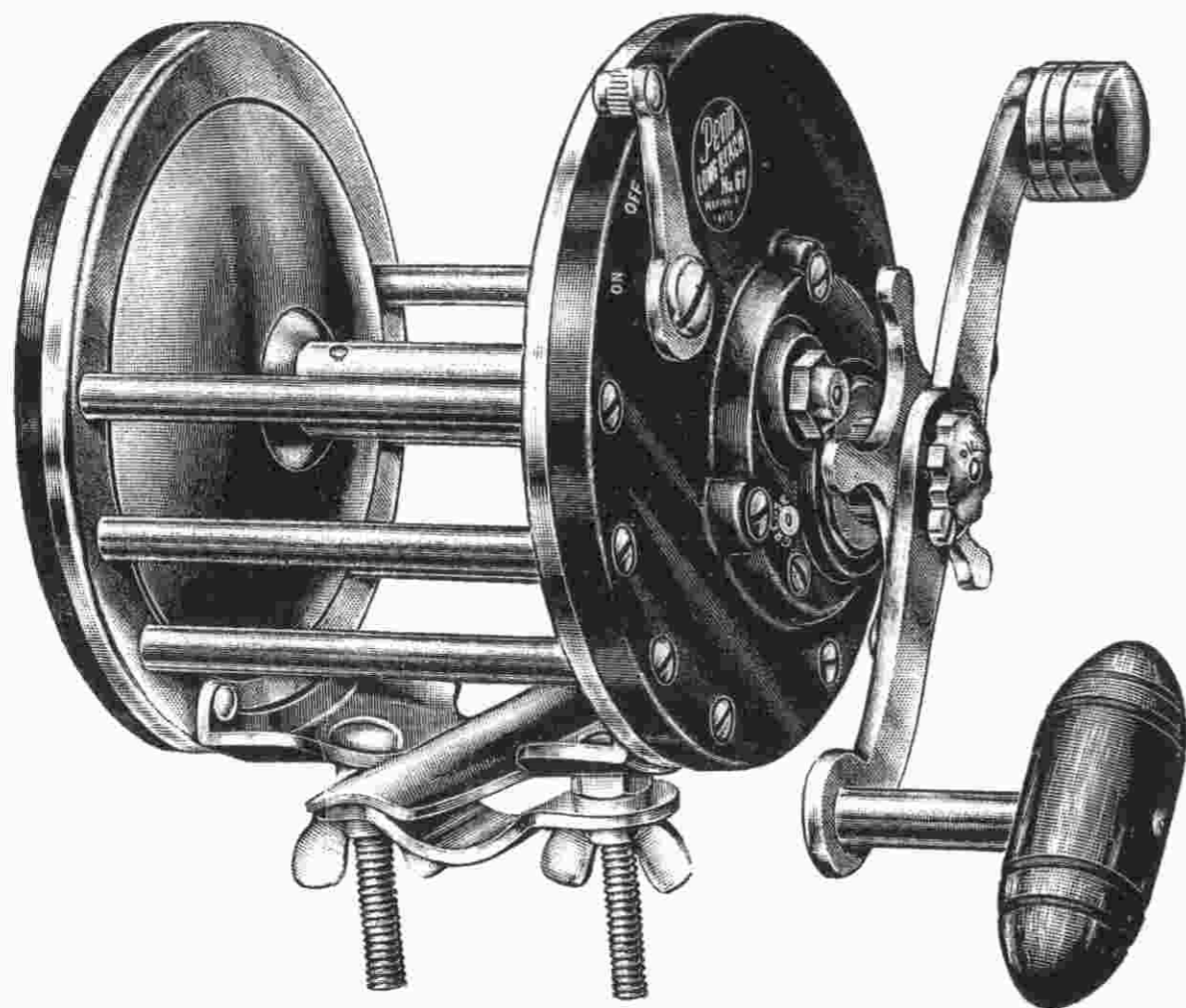
NOTE: ALL LINE CAPACITIES ARE BASED ON 50'S LEA LINEN LINE



Penn UNIVERSAL STAR DRAG REELS

LONG BEACH

400, 500 AND 600 YARDS



LARGE CAPACITY GAME FISH REEL

With Reinforced Metal Spool

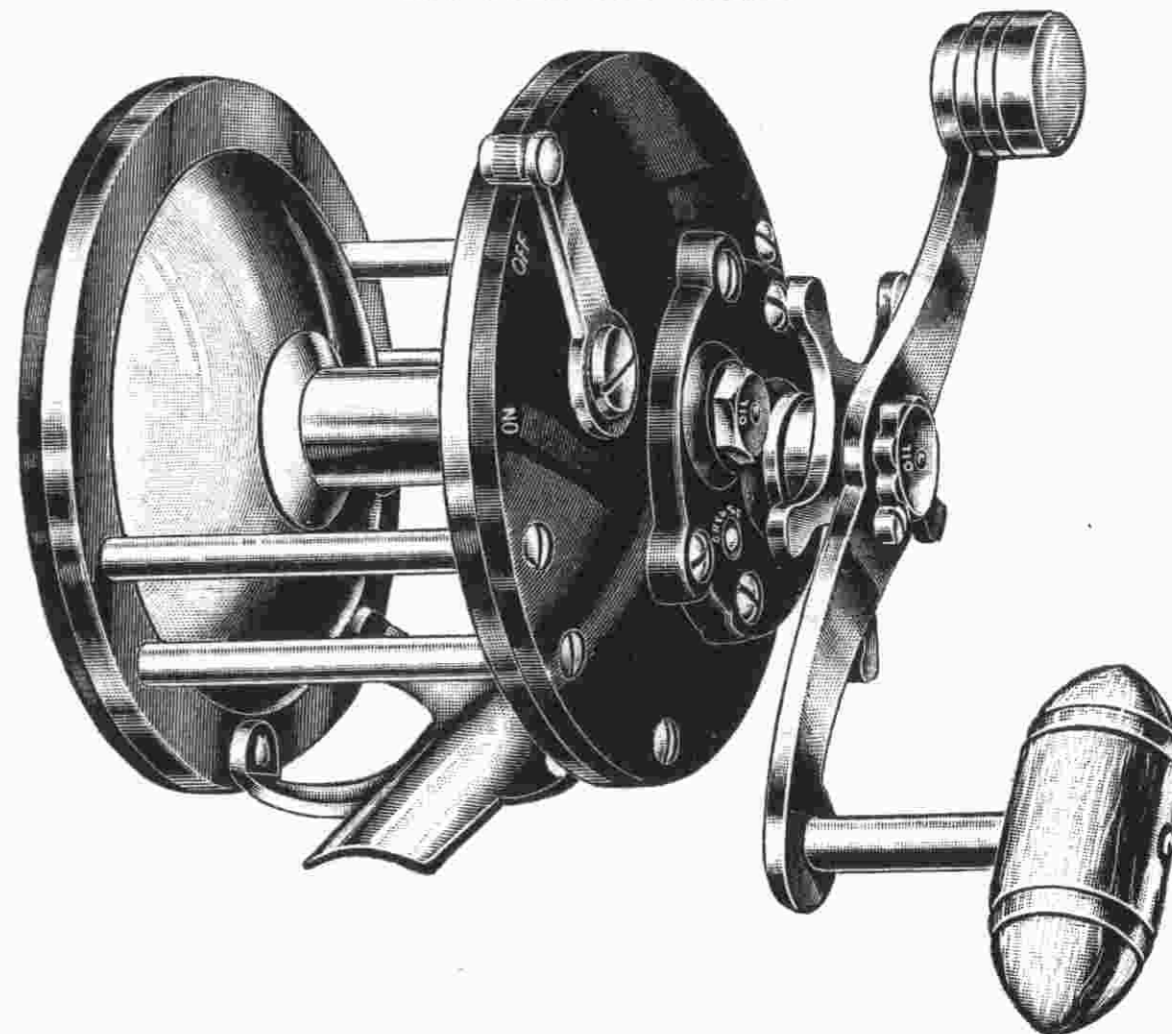
| No. and Size of Reel | Line Capacity in Yards | | | | Plate Diam. | Spool Width | Weight of Reel | Price Each |
|----------------------|------------------------|--------|--------|--------|-------------|-------------|----------------|------------|
| | No. 9 | No. 12 | No. 15 | No. 18 | | | | |
| No. 66—400 yds. . . | 400 | 300 | 250 | 200 | 3 5/8" | 2 1/8" | 24 oz. | \$13.00 |
| No. 67—500 yds. . . | 500 | 375 | 300 | 250 | 3 5/8" | 2 1/8" | 25 oz. | 14.50 |
| No. 68—600 yds. . . | 600 | 450 | 375 | 300 | 3 5/8" | 3" | 26 oz. | 16.00 |

Left hand models \$1.00 extra—mark (LH) after Reel No.

The Long Beach is a popular game fish reel equipped with our powerful Star Drag. (Details on page 26.) 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.

LONG BEACH

250 AND 300 YARDS



THE STANDARD STAR DRAG REEL

With Reinforced Metal Spool

| 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. 60—250 yds. . | 250 | 190 | 150 | 2 1/2 to 1 | 3 1/4" | 1 1/8" | 17 oz. | \$9.00 |
| No. 65—300 yds. . | 300 | 225 | 175 | 2 1/2 to 1 | 3 1/4" | 2 1/8" | 18 oz. | 10.00 |

Left hand models \$1.00 extra—mark (LH) after Reel No.

The Long Beach is a universal salt water reel equipped with our powerful Star Drag. 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.

Ideal for Fresh Water Trolling and Still Fishing

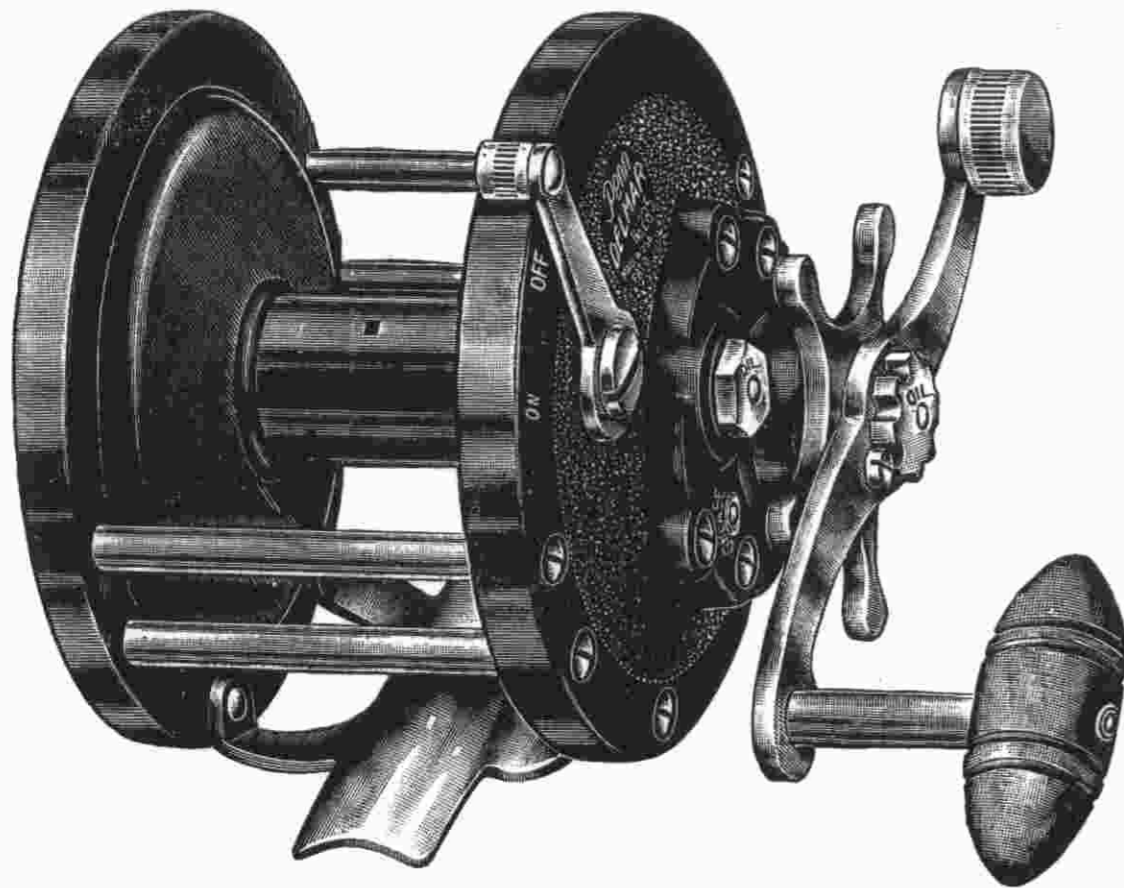
PENN REELS CAN BE LUBRICATED FROM THE OUTSIDE

FOR GENERAL ALL AROUND FISHING

Light Trolling, Surf, Pier, Deep Sea and Bay

DELMAR

200 and 250 Yard



UNIVERSAL STAR DRAG REEL

Ideal for Fresh Water Trolling and Still Fishing

No. 285—Lightweight Spool—200 yds. No. 9Price \$7.00

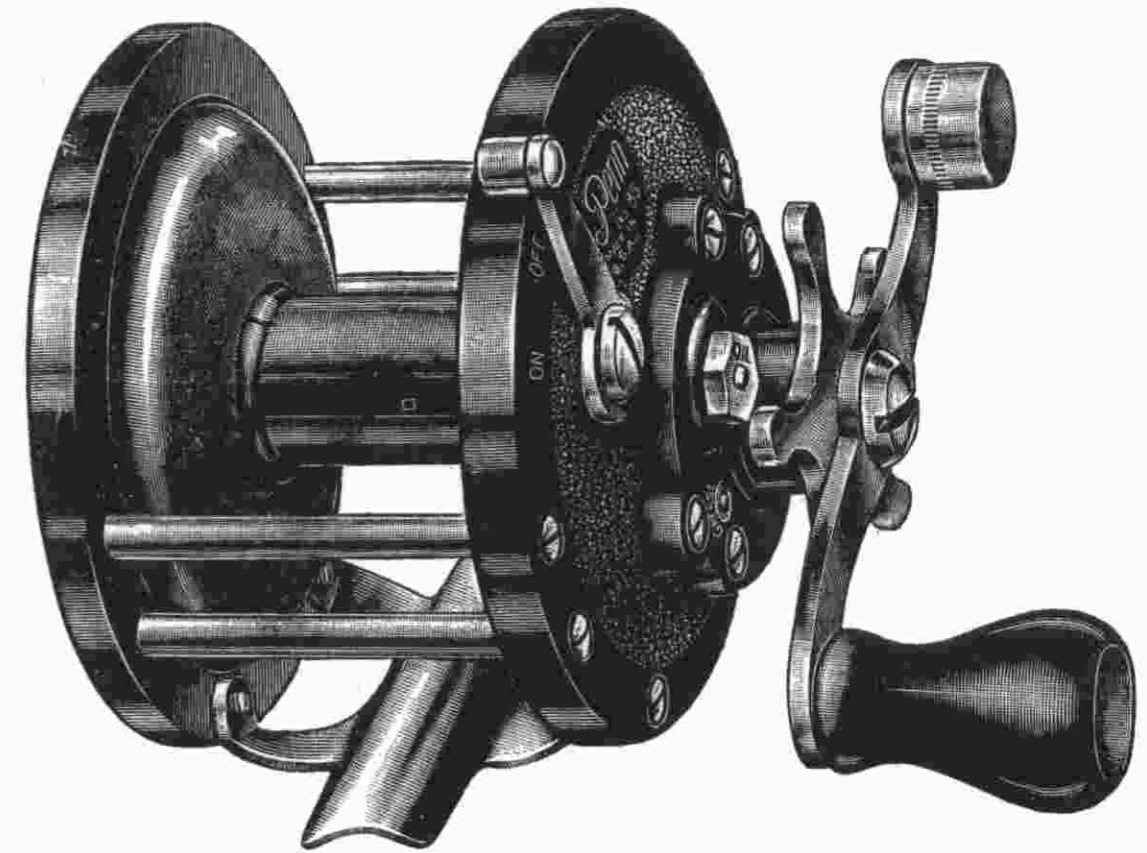
No. 285M—Metal Spool—250 yds. No. 9 7.50

Left hand models extra \$1.00—add (LH) after Reel No.

Excellent star drag reels at moderate prices. Model 285 equipped with EASY-CAST lightweight spool. Model 285M equipped with reinforced metal spool. Both models have 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 1/4" in diam. and spool width is 1 1/8". Weight of 285, 13 1/2 oz.; weight of 285M, 17 oz.

PENN No. 85

200 Yard



POPULAR STAR DRAG REEL

Ideal for Fresh Water Trolling and Still Fishing

No. 85—Cap. 200 yds. No. 9Price \$5.50

No. 85LH—Left hand model 6.50

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 lightweight 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 1/4"; spool width 1 1/8"; weight 13 1/2 ozs. Line capacity 200 yards No. 9 or 150 yards No. 12.



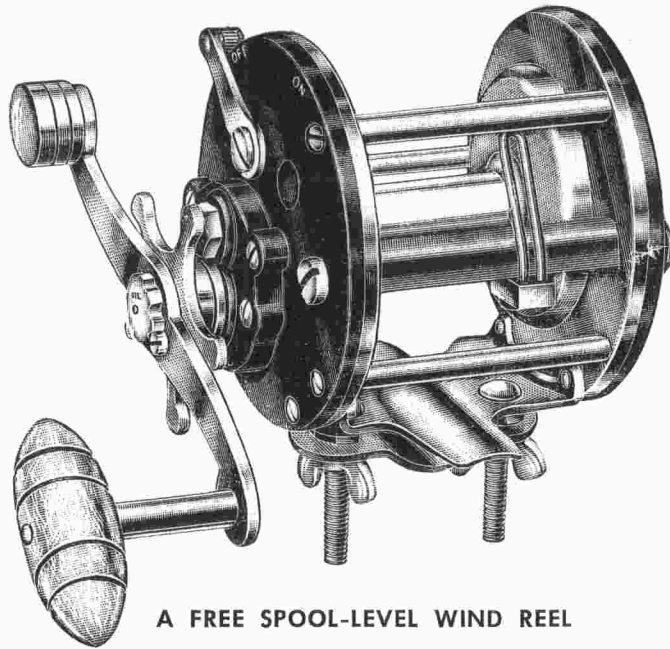
Old Light at
Cape Hatteras, N. C.

NOTE: ALL LINE CAPACITIES ARE BASED ON 50'S LEA LINEN LINE



Penn PEER LEVEL WIND REELS

New PENN PEER No. 209



A FREE SPOOL-LEVEL WIND REEL

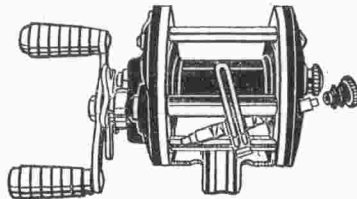
No. 209—Capacity, 200 yds. No. 9Price **\$15.00**
No. 209LH—Capacity, 200 yds. No. 9 **19.00**

New 200 yard heavy duty level wind, free spool reel equipped with metal spool, rod clamp and torpedo handle. Designed for all around light salt water and heavy fresh water fishing. The level wind is always in operation with the spool. A spare level wind pawl is furnished with reel in magazine on back plate. Gear ratio 3 to 1. Metal parts are heavily chromium plated to resist salt water corrosion. Plate diameter 3 $\frac{1}{8}$ ", spool width 1 $\frac{3}{4}$ ". Weight 20 ounces.

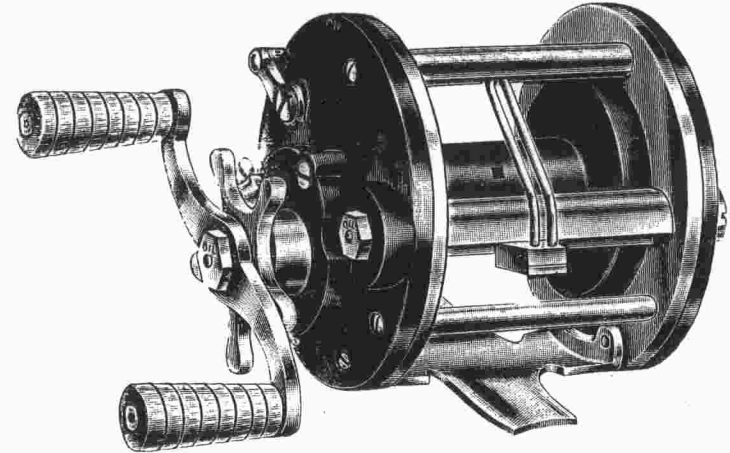
HOW TO REPLACE LEVEL WIND WORM AND PAWL

To remove line carriage assembly from 109 reel, unscrew worm bearing on back plate and slide assembly out. On model 209, remove worm bearing from front plate, and slide assembly out.

To replace pawl in 109 or 209 reels, unscrew pawl retainer screw, drop new pawl knife edge down into worm groove, so back of pawl is flush with back of carriage, to insure blade of pawl being engaged with worm. Put drop of oil in cap, and screw down tight.



PENN PEER No. 109



No. 109—2 $\frac{3}{8}$ " reel stand for Baitcasting Rods, Plastic spoolPrice **\$11.50**
No. 109S—2 $\frac{1}{8}$ " reel stand for Saltwater Rods, Plastic spoolPrice **\$11.50**
No. 109M—2 $\frac{3}{8}$ " reel stand for Baitcasting Rods, Metal spoolPrice **\$12.00**
No. 109SM—2 $\frac{1}{8}$ " reel stand for Saltwater Rods, Metal spoolPrice **\$12.00**

Left hand models extra \$4.00 add (LH) after Reel No.

Line capacity, plastic spool, 100 yds. No. 9

Line capacity, metal spool, 150 yds. No. 9

STAR DRAG ONLY (Without Free Spool)

These level wind Reels are especially designed for the light tackle salt water angler who desires a level wind casting reel combining the features of the salt water reel, but with the casting ability and lightness of the fresh water reel. The line capacity of the No. 109 is 100 yds. No. 9, or 150 yds. No. 6, and is equipped with our lightweight plastic spool. The 109M is equipped with our reinforced metal spool, capacity 150 yds. No. 9, or 200 yds. No. 6, making it very desirable for light salt water fishing, and heavy freshwater trolling. The star drag is designed to tackle game fish and is very powerful, yet smooth in action. The drag can be put into operation by the flip of a lever. The gear ratio of these reels is 3 $\frac{3}{4}$ to 1. The level wind mechanism is sturdily built and dependable. A spare level wind pawl is furnished with every reel in a magazine on the front plate. Metal parts are heavily chromium plated. Weights 109—11 oz.; 109M—12 oz.

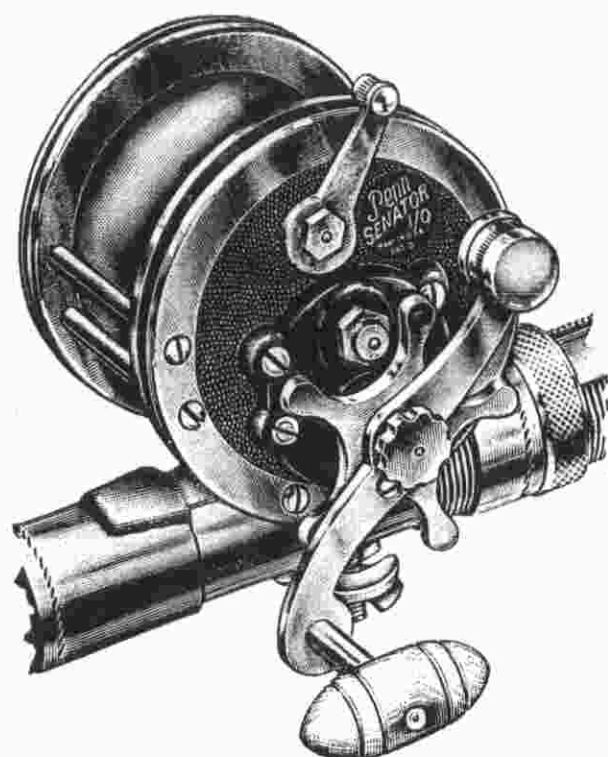
NOTE: ALL LINE CAPACITIES ARE BASED ON 50'S LEA LINEN LINE

Penn SENATOR Reels



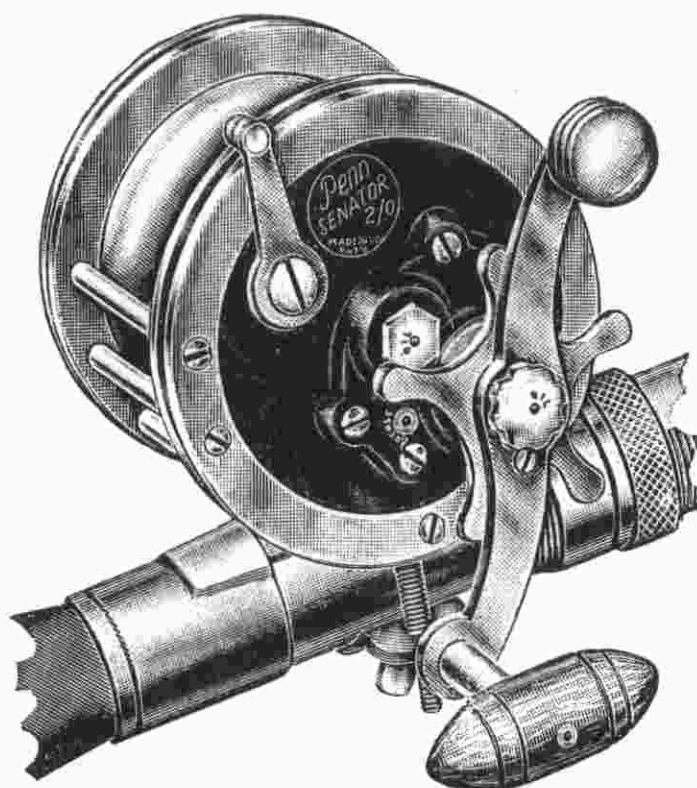
FOR LIGHT TACKLE TROLLING

4-6 Tackle



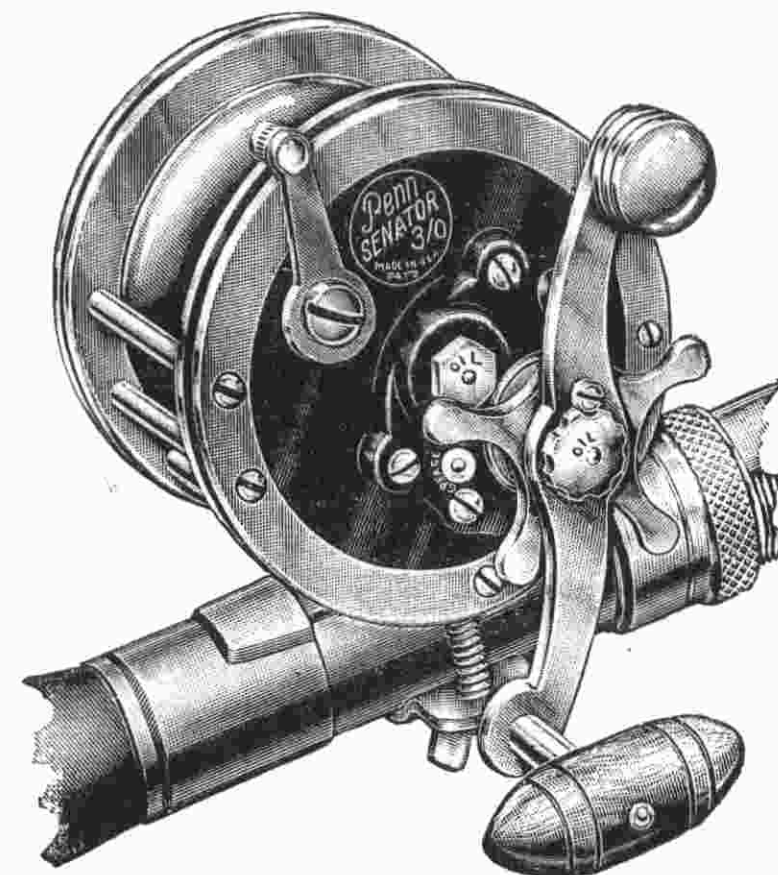
1/0

5-9 Tackle



2/0

6-12 Tackle



3/0

These smaller sizes of our Senator reels are especially designed for light tackle Game Fish trolling. Made in 3 sizes, to meet the requirements of Four-Six, Five-Nine, and Six-Twelve light tackle fishing. They 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 extra heavy drag, of very smooth action, safeguards against breaking of lighter lines. Gears are made of steel to withstand hardest usage. End plates are re-enforced, with double metal rings. Handles are fitted with our torpedo grip. Reel stand is fitted with an attached rod clamp, to insure rigidity of the reel under all conditions. Frame is made of nickel-silver, hand polished and chromium-plated-100% rust-proof. Patented One-Shot Lubrication combined with the built-in oil reservoirs, safeguard perfect performance, and prevent freezing of the reel.

PRICES AND SPECIFICATIONS

| No. and Size of Reel | Style of Tackle | Plate Diam. | Spool Width | Weight of Reel | Price Each |
|----------------------|-----------------|-------------|-------------|----------------|------------|
| No. 110—1/0 | 4- 6 | 3 1/8" | 1 5/8" | 18 oz. | \$15.00 |
| No. 111—2/0 | 5- 9 | 3 1/4" | 1 13/16" | 22 oz. | 17.50 |
| No. 112—3/0 | 6-12 | 3 1/4" | 2 1/16" | 26 oz. | 19.00 |

Left hand model \$1.00 extra—mark (LH) after Reel No.

LINE CAPACITY IN YARDS

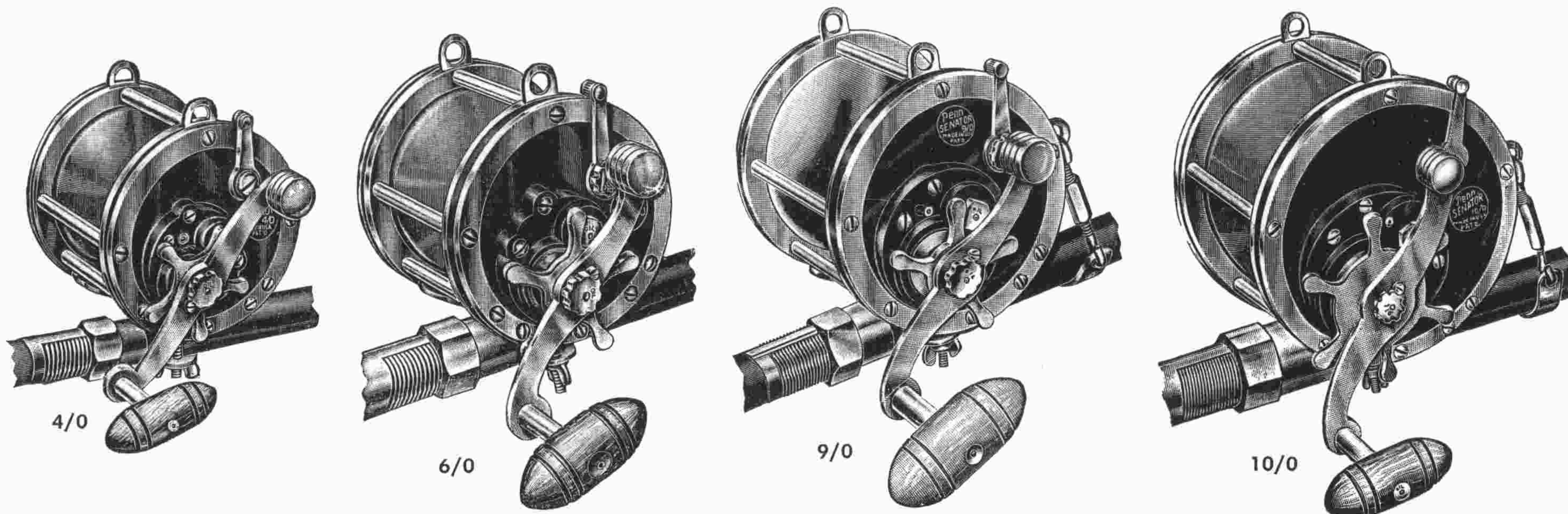
| No. and Size of Reel | Size of Line—50's Lea | | | | |
|----------------------|-----------------------|-------|--------|--------|--------|
| | No. 6 | No. 9 | No. 12 | No. 15 | No. 18 |
| No. 110—1/0 | 250 | 150 | 125 | | |
| No. 111—2/0 | 350 | 250 | 190 | 150 | |
| No. 112—3/0 | | 400 | 300 | 225 | 200 |

NOTE: ALL LINE CAPACITIES ARE BASED ON 50'S LEA LINEN LINE



Penn SENATOR Reels

TARPON, SAILFISH, MARLIN, BROADBILL, TUNA



Penn Senator Reels continue to make fishing history. Nearly every big game fish record has been made with the Senator Reel.

Recently Mr. Louis Schmidt boated a 1,006 lb. Marlin using a ten year old Penn Senator Reel at Balboa, Canal Zone. Our files are filled with letters and pictures of record and near-record catches made with all models of Penn Senator Reels.

Charter boat captains realize the importance of having the finest equipment aboard, found that the Senator Reels gave them long and dependable service and have made them standard equipment on their boats.

The Senator line is equipped with our latest design heavy duty nickel silver spools which are stronger and better than ever before. The powerful smooth drags are made from automobile brake lining which cannot burn up, (see drag construction, page 26). The heavy steel driving gears and strong stainless steel pinion gears have proved their ability to stand up against the gamest fighters of the sea. All models are equipped with harness lugs and rod clamps. Forward rod braces are on 9/0, 10/0 and 12/0 sizes, both rod and butt braces on 14/0 and 16/0. The spools of the 14/0 and 16/0 run in ball bearings. Handles are fitted with our powerful torpedo grip; frames are of nickel silver and chromium plated. Perfect performance is assured by our patented one-shot lubrication system and built in oil reservoirs to safeguard against freezing.

All these features are combined in Penn Senator Reels at prices within the means of the average fisherman, so all might enjoy this major fishing sport.

| Reel No. | No. 54 Harness Lug | | No. 54 Rod Brace Lug | | No. 56 Rod Brace | |
|----------|--------------------|------------|----------------------|------------|------------------|------------|
| | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each |
| 113 | 54-113 | .30 | ..... | ..... | ..... | ..... |
| 114 | 54-114 | .30 | ..... | ..... | ..... | ..... |
| 115 | 54-114 | .30 | 54-114 | .30 | 56-115 | \$2.50 |
| 116A | 54-116 | .30 | 54-114 | .30 | 56-116 | \$2.50 |
| 116 | 54-116 | .30 | 54-114 | .30 | 56-116 | \$2.50 |
| 117 | 54-117 | .50 | 54-117 | .50 | 56-117 | \$2.50 |
| 118 | 54-117 | .50 | 54-117 | .50 | 56-117 | \$2.50 |

PRICES AND

| No. of Reel | Size of Reel | Style of Trolling |
|-------------|--------------|-------------------|
| No. 113 | 4/0 | Light |
| No. 114 | 6/0 | Light |
| No. 115 | 9/0 | Medium |
| No. 116A | 10/0 | Med. Heavy |
| No. 116 | 12/0 | Heavy |
| No. 117 | 14/0 | Ex. Heavy |
| No. 118 | 16/0 | Ex. Heavy |

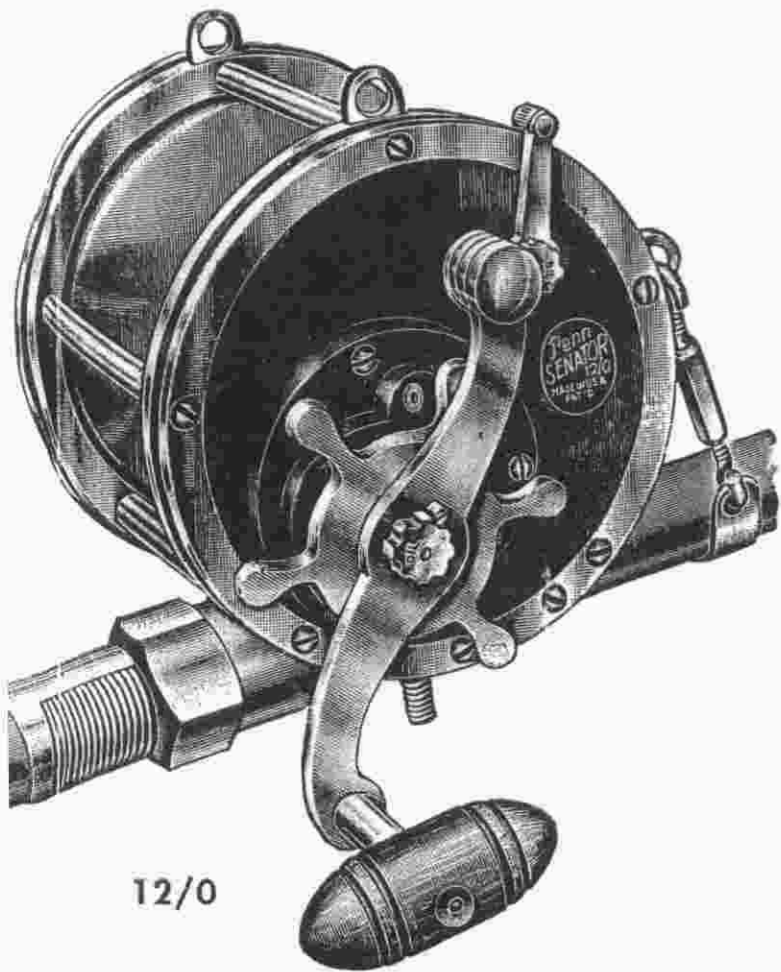
Left hand models at extra cost of \$5.00—mark (LH)

LINE CAPAC

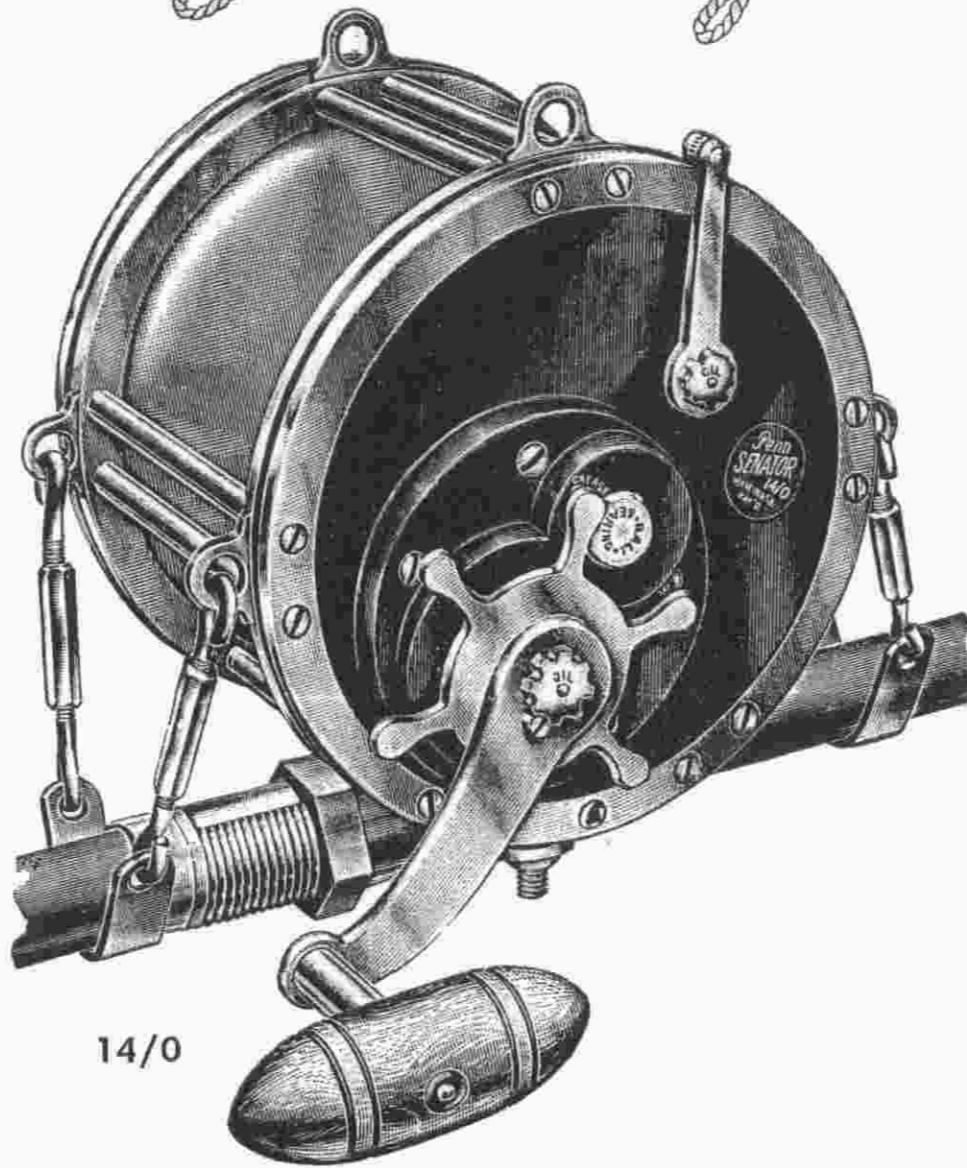
| No. and Size of Reel | Line Capacity | | |
|----------------------|---------------|--------|--------|
| | No. 12 | No. 15 | No. 18 |
| No. 113 — 4/0 | 350 | 300 | 250 |
| No. 114 — 6/0 | | 500 | 400 |
| No. 115 — 9/0 | | | 600 |
| No. 116A — 10/0 | | | |
| No. 116 — 12/0 | | | |
| No. 117 — 14/0 |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

PENN FISHING TACKLE MFG. CO., 3028 W. HUNTING PARK AVENUE, PHILADELPHIA 32, PA.

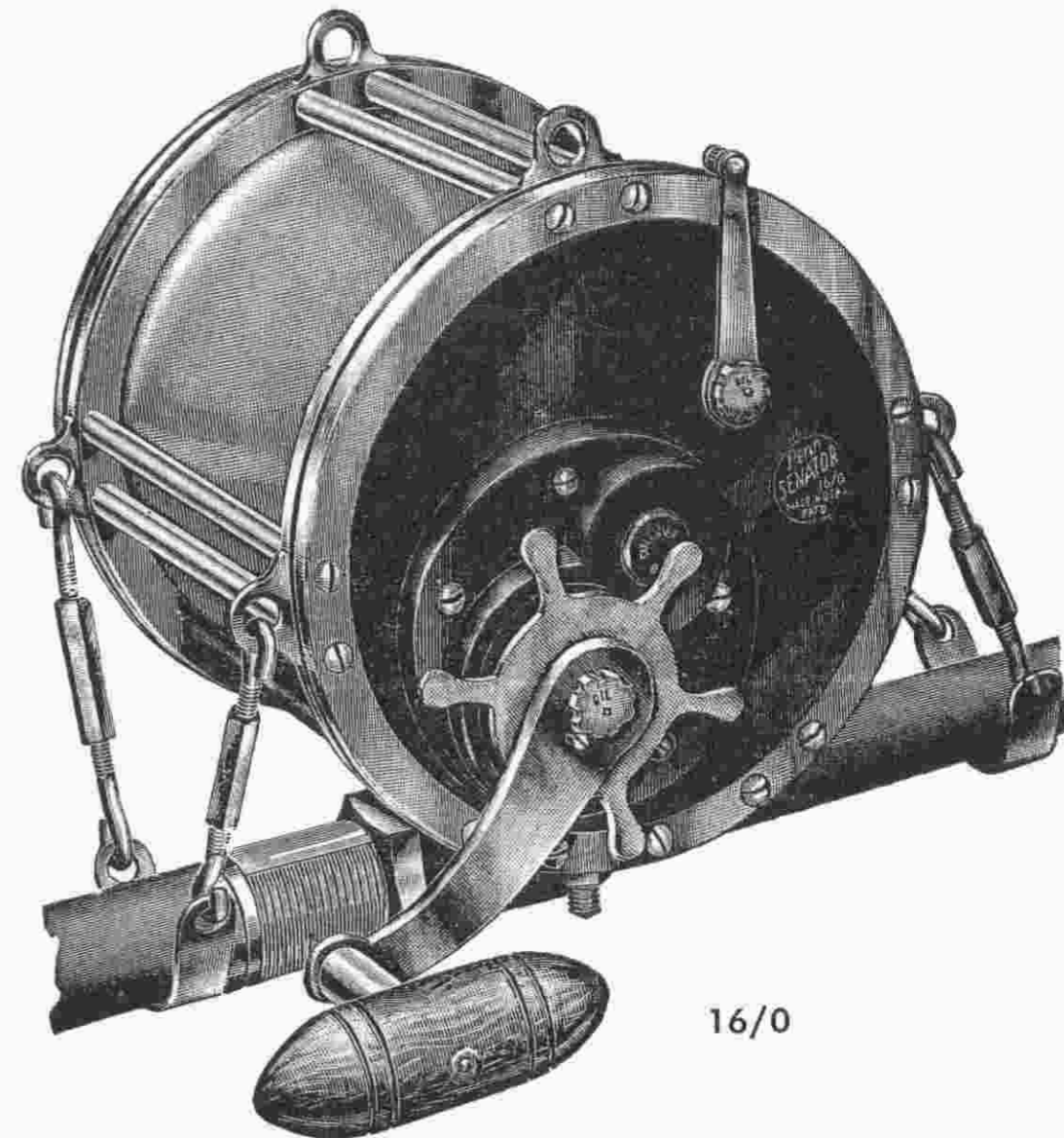
For Big Game Fishing



12/0



14/0



16/0

TECHNICAL SPECIFICATIONS

| | Plate Diam. | Spool Width | Weight of Reel | Price Each |
|--|-------------|-------------|----------------|------------|
| | 3 5/8" | 2 1/8" | 1 3/4 lbs. | \$22.00 |
| | 4 1/8" | 2 3/4" | 3 lbs. | 32.00 |
| | 4 5/8" | 3 1/4" | 3 1/2 lbs. | 37.00 |
| | 5 3/4" | 3 1/4" | 5 1/4 lbs. | 55.00 |
| | 5 3/4" | 4" | 6 lbs. | 65.00 |
| | 7" | 4" | 8 1/2 lbs. | 80.00 |
| | 7" | 5" | 9 lbs. | 100.00 |

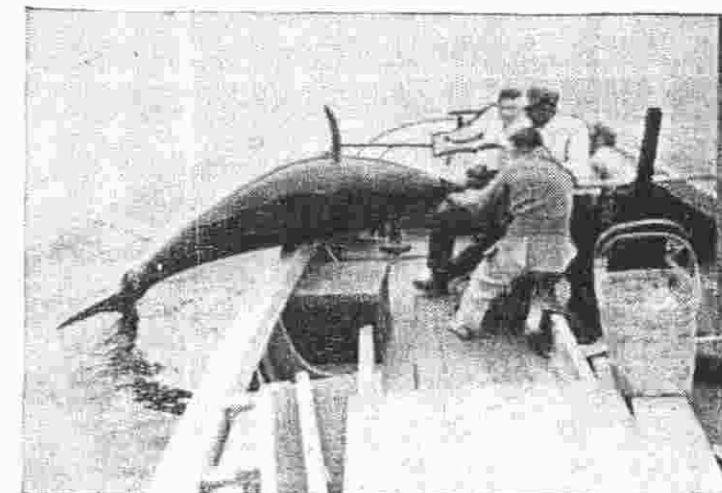
(LH) for Nos. 116A, 116, 117, 118; \$2.00 for 113, 114, 115.

CAPACITY IN YARDS

| Size of Line | | | | | |
|--------------|--------|--------|--------|--------|--------|
| No. 18 | No. 21 | No. 24 | No. 36 | No. 54 | No. 72 |
| 250 | | | | | |
| 400 | 350 | | | | |
| 600 | 500 | 450 | | | |
| | 700 | 600 | 450 | | |
| | | 900 | 600 | 400 | |
| | | | 800 | 600 | 450 |
| | | | 1100 | 750 | 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 Swardfish 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 | 750 Yds. No. 54 | 30 oz. | All game fish of more than 400 lbs. when fishing in extremely deep water. |



Boating 712 lb. Tuna by members of Penn Reel Co.

MANUFACTURERS OF BETTER REELS FOR SPORT FISHING



Penn POPULAR SALT WATER REELS

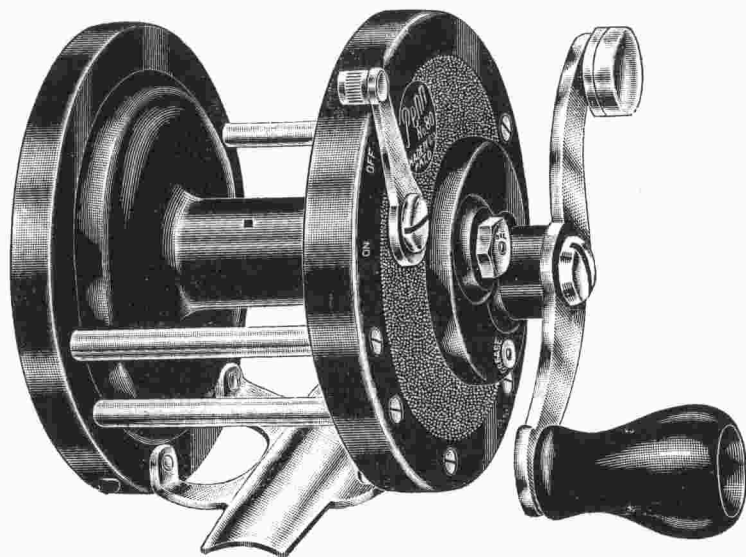
For Surf, Pier, Deep Sea and Bay Fishing



PENN No. 80

200 Yard

With "EASY-CAST" Spool



POPULAR FREE SPOOL REEL

Ideal for Fresh Water Trolling and Still Fishing

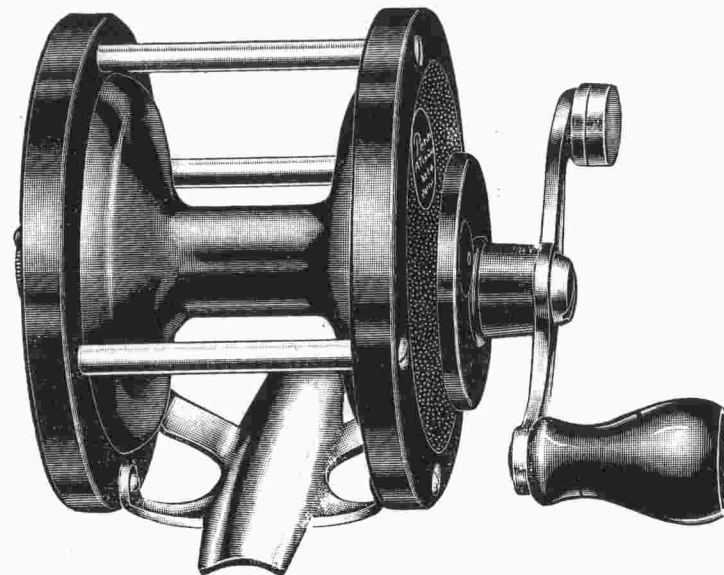
No. 80—200 yds.—Weight 12 oz.Price \$4.00
No. 80LH—Left hand model 5.00

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 lightweight 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 cannot 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 $1\frac{1}{8}$ ". Line capacity 200 yards. No. 9 or 150 yards No. 12.

ATLANTIC

200 Yard

With PLASTIC Spool



DEEP SEA and LAKE TROLLING REEL

Ideal for Fresh Water Trolling and Still Fishing

No. 14—Plate Diam. $3\frac{1}{4}$ " ; spool width $1\frac{1}{8}$ " ; weight 10 oz.Price \$3.50
Reel can be used left hand.

The Penn No. 14 deep sea reel is our lowest priced reel without the free spool mechanism. Made in 200 yard size only and is suitable for both deep sea fishing and lake trolling. The gears are spiral cut and double multiplying. The frame is sturdily constructed with three posits and one piece reel stand. Handle is "S" shaped and well balanced. Any spool end-play can be taken up by an adjustable bearing. A sliding click provides for arresting the spool. Side plates are genuine molded bakelite. Metal parts are made of brass and finished in nickel.

LINEN LINE CAPACITY

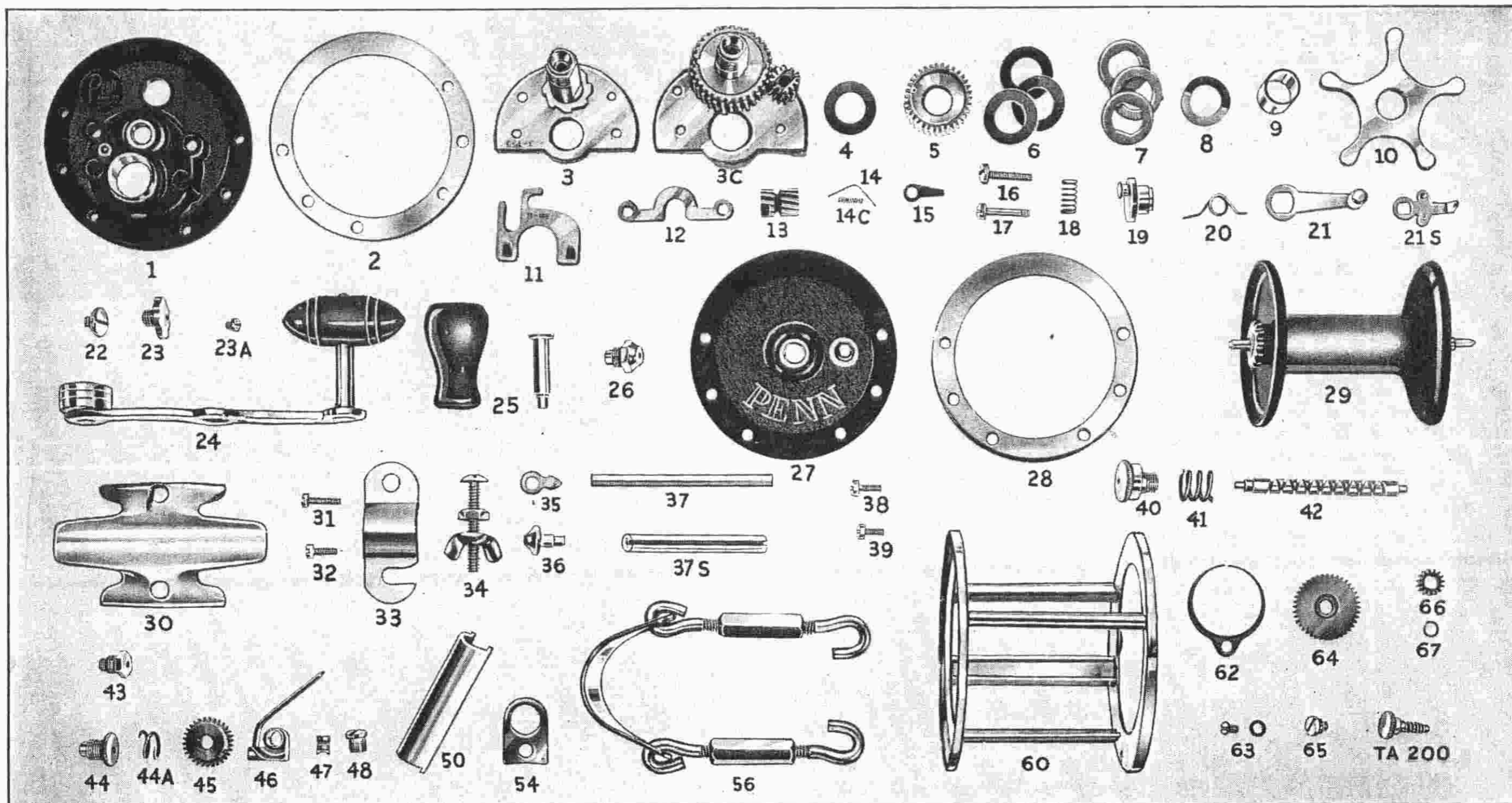
No. 9—27 pound test, 200 yards

No. 12—36 pound test, 150 yards

PENN REELS ARE GUARANTEED AGAINST DEFECTS

ILLUSTRATION OF PARTS FOR PENN REELS

PARTS LIST ON PAGES 20 TO 24. SEE INSTRUCTIONS "HOW TO ORDER PARTS" ON PAGE 24.



NOTE: Do not order parts by illustration number—Use illustration number to find the part order number in parts list under reel number.

Left Hand Reels require special parts such as Main Gear, Pinion, Bridge Sleeve, Dog, Dog Spring, and Plate. When ordering left hand parts mark letters (LH) after Part Number.

| Illustration No. | Name of Part | Illustration No. | Name of Part | Illustration No. | Name of Part | Illustration No. | Name of Part | Illustration No. | Name of Part |
|------------------|----------------------------------|------------------|------------------------|------------------|------------------------|------------------|-------------------------------|------------------|------------------------------------|
| 1. | Right Side Plate | 13. | Pinion Gear | 23A. | Handle Lock Screw | 36. | Click Button | 48. | Pawl Cover Screw |
| 2. | Right Side Ring | 14. | Dog Spring—Flat | 24. | Handle Complete | 37. | Frame Post | 50. | Worm Shield |
| 3. | Gear Bridge with Sleeve | 14C. | Dog Spring—Coil | 25. | Knob, Rivet and Oiler | 37S. | Slotted Frame Post | 54. | Harness Lug |
| 3C. | Gear Bridge Complete with Pinion | 15. | Dog | 26. | Right Side Bearing | 38. | Right Side Post Screw | 56. | Rod Brace |
| 4. | Fibre Washer | 16. | Bridge Screw—Lower | 27. | Left Side Plate | 39. | Left Side Post Screw | 60. | Complete Frame |
| 5. | Main Gear | 17. | Bridge Screw—Upper | 28. | Left Side Ring | 40. | Left Side Bearing | 62. | Click Spring |
| 6. | Drag Washer | 18. | Clutch Spring | 29. | Spool | 41. | Bearing Spring | 63. | Click Spring Screw and Lock Washer |
| 7. | Metal Discs—Set | 19. | Eccentric | 30. | Reel Stand | 42. | Worm | 64. | Fibre Idler Gear |
| 8. | Tension Spring | 20. | Eccentric Spring | 31. | Right Side Stand Screw | 43. | Right Side Worm Bearing | 65. | Idler Gear Screw |
| 9. | Spacing Sleeve | 21. | Eccentric Lever | 32. | Left Side Stand Screw | 44. | Left Side Worm Bearing | 66. | Level-Wind Drive Gear |
| 10. | Drag Star | 21S. | Convertible Drag Lever | 33. | Rod Clamp | 44A. | Left Side Worm Bearing Spring | 67. | Level-Wind Drive-Gear Lock Spring |
| 11. | Eccentric Jack | 22. | Eccentric Screw | 34. | Clamp Screw with Nuts | 45. | Worm Gear | | |
| 12. | Pinion Yoke | 23. | Handle Screw | 35. | Click Tongue | 46. | Line Guide | | |
| | | | | | | 47. | Pawl | TA-200. | Thumb Screw |

NOTE: For Identification, Handle Side is listed as Right Side—Click Side is listed as Left Side.

PENN FISHING TACKLE MFG. CO., 3028 W. HUNTING PARK AVENUE, PHILADELPHIA 32, PA.

PENN REEL PARTS No. 1 TO No. 10

PARTS ILLUSTRATION ON PAGE 19. WHEN PART NUMBERS IN TABLE ARE MARKED WITH SYMBOL (*), SEE FOOTNOTE

| Reel No. | No. 1 Right Side Plate | | No. 2 Right Side Ring | | No. 3 Gear Bridge with Sleeve | | No. 3C Gear Bridge Complete with Pinion | | No. 4 Red Fibre Washer | | No. 5 Main Gear | | No. 6 Drag Washer | | No. 7 Metal Disk Set | | No. 8 Tension Spring | | No. 9 Spacing Sleeve | | No. 10 Drag Star | | Reel No. |
|-------------|------------------------------|------------|-----------------------------|------------|-------------------------------------|------------|--|------------|------------------------------|------------|-----------------------|------------|-------------------------|------------|----------------------------|---------------|----------------------------|------------|----------------------------|------------|------------------------|------------|-------------|
| | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each | Part No. | Price Doz. | Part No. | Price Each | Part No. | Price Doz. | Part No. | Price Per Set | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each | |
| 14 | 1-14 | .75 | .... | .. | .... | .. | .... | .. | .... | .. | 5-14 | .50 | .... | .. | .... | .. | .... | .. | .... | .. | .... | .. | 14 |
| 49 | 1-49 | 1.00 | 2-49* | .75 | 3-49 | .50 | 3C-49 | 1.50 | 4-60 | .24 | 5-49 | .50 | 6-49 | .24 | 7-49 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 49 |
| 60 | 1-60 | .75 | 2-60 | .50 | 3-60 | .50 | 3C-60 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 60 |
| 65 | 1-65 | .75 | 2-60 | .50 | 3-60 | .50 | 3C-60 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 65 |
| 66 | 1-66 | .75 | 2-66 | .75 | 3-60 | .50 | 3C-66 | 1.50 | 4-60 | .24 | 5-66 | .50 | 6-60 | .24 | 7-66 | .18 | 8-60 | .10 | 9-66 | .10 | 10-60 | .50 | 66 |
| 67 | 1-67 | .75 | 2-66 | .75 | 3-60 | .50 | 3C-66 | 1.50 | 4-60 | .24 | 5-66 | .50 | 6-60 | .24 | 7-66 | .18 | 8-60 | .10 | 9-66 | .10 | 10-60 | .50 | 67 |
| 68 | 1-68 | .75 | 2-66 | .75 | 3-60 | .50 | 3C-66 | 1.50 | 4-60 | .24 | 5-66 | .50 | 6-60 | .24 | 7-66 | .18 | 8-60 | .10 | 9-66 | .10 | 10-60 | .50 | 68 |
| 80 | 1-80 | .75 | .... | .. | 3-80 | .25 | 3C-80 | 1.00 | .... | .. | 5-80 | .50 | .... | .. | .... | .. | .... | .. | .... | .. | .... | .. | 80 |
| 85 | 1-85 | .75 | .... | .. | 3-85 | .50 | 3C-85 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 85 |
| 99 | 1-99 | 1.50 | 2-99* | .50 | 3-99 | .50 | 3C-99 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 99 |
| 100 | 1-100 | 1.50 | 2-200* | .50 | 3-200 | .50 | 3C-200 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 100 |
| 109 | 1-109 | .75 | 2-109 | .50 | 3-109 | .50 | 3C-109 | 1.50 | 4-155 | .24 | 5-109 | .50 | 6-155 | .24 | 7-155 | .18 | 8-60 | .10 | 9-60 | .10 | 10-180 | .50 | 109 |
| 110 | 1-110 | .75 | 2-110* | .60 | 3-99 | .50 | 3C-99 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 110 |
| 111 | 1-111 | .75 | 2-111* | .60 | 3-60 | .50 | 3C-66 | 1.50 | 4-60 | .24 | 5-66 | .50 | 6-60 | .24 | 7-66 | .18 | 8-60 | .10 | 9-66 | .10 | 10-60 | .50 | 111 |
| 112 | 1-112 | .75 | 2-111* | .60 | 3-60 | .50 | 3C-66 | 1.50 | 4-60 | .24 | 5-66 | .50 | 6-60 | .24 | 7-66 | .18 | 8-60 | .10 | 9-66 | .10 | 10-60 | .50 | 112 |
| 113 | 1-113 | 1.00 | 2-113* | 1.00 | 3-113 | .50 | 3C-113 | 1.50 | 4-60 | .24 | 5-66 | .50 | 6-60 | .24 | 7-66 | .18 | 8-60 | .10 | 9-66 | .10 | 10-60 | .50 | 113 |
| 114 | 1-114 | 1.50 | 2-114* | 1.25 | 3-114 | 1.50 | 3C-114 | 3.00 | 4-114 | .36 | 5-114 | 1.00 | 6-114 | .60 | 7-114 | .30 | 8-114 | .15 | 9-114 | .15 | 10-114 | .90 | 114 |
| 115 | 1-115 | 2.50 | 2-115* | 1.50 | 3-115 | 1.50 | 3C-115 | 4.00 | 4-115 | .36 | 5-115 | 1.25 | 6-115 | .84 | 7-115 | .36 | 8-114 | .15 | 9-114 | .15 | 10-114 | .90 | 115 |
| 116A | 1-116A | 3.00 | 2-116* | 1.80 | 3-116 | 2.00 | 3C-116 | 5.00 | 4-116 | .36 | 5-116 | 1.50 | 6-116 | .96 | 7-116 | .60 | 8-116 | .20 | .... | .. | 10-116 | 1.20 | 116A |
| 116 | 1-116 | 3.00 | 2-116* | 1.80 | 3-116 | 2.00 | 3C-116 | 5.00 | 4-116 | .36 | 5-116 | 1.50 | 6-116 | .96 | 7-116 | .60 | 8-116 | .20 | .... | .. | 10-116 | 1.20 | 116 |
| 117 | 1-117 | 4.00 | 2-117* | 2.00 | 3-117 | 2.50 | 3C-117 | 6.50 | 4-117 | .36 | 5-117 | 2.00 | 6-117 | 1.20 | 7-117 | .90 | 8-117 | .25 | .... | .. | 10-117 | 1.50 | 117 |
| 118 | 1-118 | 4.00 | 2-117* | 2.00 | 3-117 | 2.50 | 3C-117 | 6.50 | 4-117 | .36 | 5-117 | 2.00 | 6-117 | 1.20 | 7-117 | .90 | 8-117 | .25 | .... | .. | 10-117 | 1.50 | 118 |
| 140 | 1-140 | 1.50 | 2-200* | .50 | 3-200 | .50 | 3C-140 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 140 |
| 145 | 1-145 | 1.50 | 2-200* | .50 | 3-200 | .50 | 3C-140 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 145 |
| 149 | 1-149 | 1.00 | 2-49 | .75 | 3-149 | .50 | 3C-149 | 1.50 | 4-60 | .24 | 5-149 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 149 |
| 150 | 1-150 | 1.50 | 2-200* | .50 | 3-200 | .50 | 3C-200 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 150 |
| 155 | 1-155 | .75 | 2-155 | .50 | 3-155 | .50 | 3C-155 | 1.50 | 4-155 | .24 | 5-155 | .50 | 6-155 | .24 | 7-155 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 155 |
| 160 | 1-160 | .75 | 2-155 | .50 | 3-155 | .50 | 3C-155 | 1.50 | 4-155 | .24 | 5-155 | .50 | 6-155 | .24 | 7-155 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 160 |
| 165 | 1-165 | .75 | 2-155 | .50 | 3-165 | .25 | 3C-165 | 1.00 | .... | .. | 5-165 | .50 | .... | .. | .... | .. | .... | .. | .... | .. | .... | .. | 165 |
| 180 | 1-180 | .75 | 2-155 | .50 | 3-155 | .50 | 3C-155 | 1.50 | 4-155 | .24 | 5-155 | .50 | 6-155 | .24 | 7-155 | .18 | 8-60 | .10 | 9-60 | .10 | 10-180 | .50 | 180 |
| 185 | 1-185 | .75 | 2-155 | .50 | 3-165 | .25 | 3C-165 | 1.00 | .... | .. | 5-165 | .50 | .... | .. | .... | .. | .... | .. | .... | .. | .... | .. | 185 |
| 190 | 1-190 | .75 | .... | .. | 3-165 | .25 | 3C-165 | 1.00 | .... | .. | 5-165 | .50 | .... | .. | .... | .. | .... | .. | .... | .. | .... | .. | 190 |
| 200 | 1-200 | 1.50 | 2-200* | .50 | 3-200 | .50 | 3C-200 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 200 |
| 209 | 1-209 | .75 | ● See Page 24 | | 3-155 | .50 | 3C-155 | 1.50 | 4-155 | .24 | 5-155 | .50 | 6-155 | .24 | 7-155 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 209 |
| 249 | 1-249 | 1.00 | .... | .. | .... | .. | .... | .. | .... | .. | 5-249 | .50 | .... | .. | .... | .. | .... | .. | .... | .. | .... | .. | 249 |
| 250 | 1-250 | 1.50 | 2-250* | .50 | 3-99 | .50 | 3C-99 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 250 |
| 259 | 1-259 | .75 | 2-110* | .60 | 3-99 | .50 | 3C-99 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 259 |
| 285 | 1-285 | .75 | .... | .. | 3-60 | .50 | 3C-60 | 1.50 | 4-60 | .24 | 5-60 | .50 | 6-60 | .24 | 7-60 | .18 | 8-60 | .10 | 9-60 | .10 | 10-60 | .50 | 285 |

* NOTE: For double rings, order inside ring by part number; for outside rings, mark letter (D) after part number.

For take-apart inside notched ring for all Take-Apart Reels, mark letters (TA) after part number.

Left Hand Reels require left hand parts, such as Main Gear, Pinion, Bridge Sleeve, Dog, Dog Spring, and Right Side Plate. When ordering these parts for Left Hand Reels, mark letters (LH) after part number.

All reels are packed with Plastic Reel Bag, Tube of Lubricant, and Guarantee Card: Except Models No. 85, 80, 190, 14, 249, which do not have the reel bag.

PENN REEL PARTS No. 11 TO No. 21

ILLUSTRATION OF PARTS ON PAGE 19. SEE INSTRUCTIONS "HOW TO ORDER PARTS" ON PAGE 24

| Reel No. | No. 11 Eccentric Jack | | No. 12 Pinion Yoke | | No. 13 Pinion Gear | | No. 14* Dog Spring | | No. 15 Dog | | No. 16 Bridge Screw Lower | | No. 17 Bridge Screw Upper | | No. 18 Clutch Spring | | No. 19 Eccentric | | No. 20 Eccentric Spring | | No. 21 Eccentric Lever | | Reel No. |
|-------------|-----------------------|------------|--------------------|------------|--------------------|------------|--------------------|------------|------------|------------|---------------------------|------------|---------------------------|------------|----------------------|------------|------------------|------------|-------------------------|------------|------------------------|------------|-------------|
| | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each | Part No. | Price Doz. | Part No. | Price Each | Part No. | Price Doz. | Part No. | Price Doz. | Part No. | Price Doz. | Part No. | Price Each | Part No. | Price Doz. | Part No. | Price Each | |
| 14 | ..... | .. | ..... | .. | 13-14 | .30 | ..... | .. | ..... | .. | ..... | .. | ..... | .. | ..... | .. | ..... | .. | ..... | .. | ..... | .. | 14 |
| 49 | 11-49 | .20 | 12-60 | .16 | 13-49 | .30 | 14-60 | .24 | 15-49 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-60 | .20 | 20-60 | .24 | 21-49 | .20 | 49 |
| 60 | 11-60 | .20 | 12-60 | .16 | 13-60 | .30 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-60 | .20 | 20-60 | .24 | 21-285 | .20 | 60 |
| 65 | 11-60 | .20 | 12-60 | .16 | 13-60 | .30 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-60 | .20 | 20-60 | .24 | 21-285 | .20 | 65 |
| 66 | 11-66 | .20 | 12-60 | .16 | 13-66 | .30 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-60 | .20 | 20-60 | .24 | 21-66 | .20 | 66 |
| 67 | 11-66 | .20 | 12-60 | .16 | 13-66 | .30 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-60 | .20 | 20-60 | .24 | 21-66 | .20 | 67 |
| 68 | 11-66 | .20 | 12-60 | .16 | 13-66 | .30 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-60 | .20 | 20-60 | .24 | 21-66 | .20 | 68 |
| 80 | 11-60 | .20 | 12-60 | .16 | 13-60 | .30 | ..... | .. | ..... | .. | 16-80 | .36 | ..... | .. | 18-60 | .24 | 19-60 | .20 | 20-60 | .24 | 21-285 | .20 | 80 |
| 85 | 11-60 | .20 | 12-60 | .16 | 13-60 | .30 | 14-60 | .24 | 15-85 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-60 | .20 | 20-60 | .24 | 21-285 | .20 | 85 |
| 99 | 11-99 | .20 | 12-99 | .16 | 13-99 | .30 | 14-99 | .24 | 15-99 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-110 | .20 | 20-60 | .24 | 21-66 | .20 | 99 |
| 100 | 11-155 | .20 | 12-155 | .16 | 13-155 | .30 | 14-60 | .24 | 15-200 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-200 | .20 | 20-155 | .24 | 21-200 | .20 | 100 |
| 109 | ..... | .. | ..... | .. | 13-109 | .30 | 14-109 | .24 | 15-109 | .10 | 16-60 | .36 | ..... | .. | ..... | .. | 19-109 | .20 | 20-109 | .24 | 21-109 | .20 | 109 |
| 110 | 11-110 | .20 | 12-110 | .16 | 13-99 | .30 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-110 | .20 | 20-60 | .24 | 21-66 | .20 | 110 |
| 111 | 11-60 | .20 | 12-60 | .16 | 13-66 | .30 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-110 | .20 | 20-60 | .24 | 21-66 | .20 | 111 |
| 112 | 11-60 | .20 | 12-60 | .16 | 13-66 | .30 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-110 | .20 | 20-60 | .24 | 21-66 | .20 | 112 |
| 113 | 11-66 | .20 | 12-113 | .20 | 13-113 | .40 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-110 | .20 | 20-60 | .24 | 21-66 | .20 | 113 |
| 114 | 11-114 | .60 | 12-114 | .30 | 13-114 | .80 | 14-116 | .36 | 15-114 | .16 | 16-114 | .60 | 17-114 | .60 | 18-114 | .60 | 19-114 | .40 | 20-114 | .60 | 21-114 | .40 | 114 |
| 115 | 11-115 | .60 | 12-114 | .30 | 13-114 | .80 | 14-116 | .36 | 15-115 | .20 | 16-114 | .60 | 17-114 | .60 | 18-114 | .60 | 19-115 | .40 | 20-114 | .60 | 21-114 | .40 | 115 |
| 116A | 11-116 | .80 | 12-116 | .50 | 13-116 | 1.00 | 14-116 | .36 | 15-116 | .30 | 16-114 | .60 | 17-114 | .60 | 18-114 | .60 | 19-115 | .40 | 20-114 | .60 | 21-114 | .40 | 116A |
| 116 | 11-116 | .80 | 12-116 | .50 | 13-116 | 1.00 | 14-116 | .36 | 15-116 | .30 | 16-114 | .60 | 17-114 | .60 | 18-114 | .60 | 19-115 | .40 | 20-114 | .60 | 21-114 | .40 | 116 |
| 117 | 11-116 | .80 | 12-116 | .50 | 13-117 | 1.20 | 14-117 | .48 | 15-117 | .30 | 16-114 | .60 | 17-114 | .60 | 18-114 | .60 | 19-115 | .40 | 20-114 | .60 | 21-117 | .40 | 117 |
| 118 | 11-116 | .80 | 12-116 | .50 | 13-117 | 1.20 | 14-117 | .48 | 15-117 | .30 | 16-114 | .60 | 17-114 | .60 | 18-114 | .60 | 19-115 | .40 | 20-114 | .60 | 21-117 | .40 | 118 |
| 140 | 11-155 | .20 | 12-155 | .16 | 13-140 | .30 | 14-140 | .24 | 15-140 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-200 | .20 | 20-155 | .24 | 21-200† | .20 | 140 |
| 145 | 11-155 | .20 | 12-155 | .16 | 13-140 | .30 | 14-140 | .24 | 15-140 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-200 | .20 | 20-155 | .24 | 21-200† | .20 | 145 |
| 149 | 11-49 | .20 | 12-113 | .16 | 13-149 | .30 | 14-60 | .24 | 15-149 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-60 | .20 | 20-60 | .24 | 21-49 | .20 | 149 |
| 150 | 11-155 | .20 | 12-155 | .16 | 13-155 | .30 | 14-60 | .24 | 15-200 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-200 | .20 | 20-155 | .24 | 21-200 | .20 | 150 |
| 155 | 11-155 | .20 | 12-155 | .16 | 13-155 | .30 | 14-60 | .24 | 15-155 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-155 | .20 | 20-155 | .24 | 21-155 | .20 | 155 |
| 160 | 11-155 | .20 | 12-155 | .16 | 13-155 | .30 | 14-60 | .24 | 15-155 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-155 | .20 | 20-155 | .24 | 21-155 | .20 | 160 |
| 165 | 11-155 | .20 | 12-155 | .16 | 13-155 | .30 | ..... | .. | ..... | .. | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-155 | .20 | 20-155 | .24 | 21-155 | .20 | 165 |
| 180 | 11-155 | .20 | 12-155 | .16 | 13-155 | .30 | 14-60 | .24 | 15-155 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-155 | .20 | 20-155 | .24 | 21-155 | .20 | 180 |
| 185 | 11-155 | .20 | 12-155 | .16 | 13-155 | .30 | ..... | .. | ..... | .. | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-155 | .20 | 20-155 | .24 | 21-155 | .20 | 185 |
| 190 | 11-155 | .20 | 12-155 | .16 | 13-155 | .30 | ..... | .. | ..... | .. | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-155 | .20 | 20-155 | .24 | 21-155 | .20 | 190 |
| 200 | 11-155 | .20 | 12-155 | .16 | 13-155 | .30 | 14-60 | .24 | 15-200 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-200 | .20 | 20-155 | .24 | 21-200 | .20 | 200 |
| 209 | 11-155 | .20 | 12-155 | .16 | 13-155 | .30 | 14-99 | .24 | 15-209 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-209 | .20 | 20-155 | .24 | 21-209 | .20 | 209 |
| 249 | ..... | .. | ..... | .. | 13-249 | .30 | ..... | .. | ..... | .. | ..... | .. | ..... | .. | ..... | .. | ..... | .. | ..... | .. | ..... | .. | 249 |
| 250 | 11-99 | .20 | 12-99 | .16 | 13-99 | .30 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-110 | .20 | 20-60 | .24 | 21-66 | .20 | 250 |
| 259 | 11-110 | .20 | 12-110 | .16 | 13-99 | .30 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-110 | .20 | 20-60 | .24 | 21-66 | .20 | 259 |
| 285 | 11-60 | .20 | 12-60 | .16 | 13-60 | .30 | 14-60 | .24 | 15-60 | .10 | 16-60 | .36 | 17-60 | .36 | 18-60 | .24 | 19-60 | .20 | 20-60 | .24 | 21-285 | .20 | 285 |

NOTE: Left Hand Reels require left hand parts, such as Main Gear, Pinion, Bridge Sleeve, Dog, Dog Spring, and Right Side Plate. When ordering these parts for Left Hand Reels, mark letters (LH) after part number.

Details on construction of Penn Reels on pages 25 and 26.

* No. 14 is Flat Spring, No. 14C is Coil Spring.

† For Convertible Lever, order Part No. 21S.

Penn Reel Parts are interchangeable, and are numbered in a way to easily indicate in which Reels the part will fit. The first number before the dash is the part illustration number from chart on page 19; the number after the dash indicates the reel number. If the same part number is listed for different reel numbers, this part is interchangeable. For example: On page 23, part No. 40-60 (left side bearing No. 60 Reel) fits all Penn Reels, with the exception of large Senator Reels, and ball bearing Reels. This is very important in servicing of Penn Reels, as the number of parts required is cut down to a minimum.

PENN REEL PARTS No. 22 TO No. 30

PARTS ILLUSTRATION ON PAGE 19. WHEN PART NUMBERS IN TABLE ARE MARKED WITH SYMBOLS (*, †, ‡), SEE FOOTNOTE

| Reel No. | No. 22 Eccentric Screw | | No. 23 Handle Screw | | No. 23A Handle Lock Screw | | No. 24 Handle Complete | | No. 25 Knob, Rivet and Oiler | | No. 26 Right Side Bearing | | No. 27 Left Side Plate | | No. 28 Left Side Ring | | No. 29 Plastic Spool | | No. 29M‡ Metal Spool | | No. 30 Reel Stand | | Reel No. |
|-------------|------------------------|------------|---------------------|------------|---------------------------|------------|------------------------|------------|------------------------------|---------------|---------------------------|------------|------------------------|------------|-----------------------|------------|----------------------|------------|----------------------|------------|-------------------|------------|-------------|
| | Part No. | Price Each | Part No. | Price Each | Part No. | Price Doz. | Part No. | Price Each | Part No. | Price Per Set | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each | |
| 14 | .... | .. | 23-85 | .10 | .... | .. | 24-85 | .80 | 25-85 | .24 | .... | .. | 27-14 | .75 | .... | .. | 29-14 | 1.20 | .... | .. | 30-85 | .80 | 14 |
| 49 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-49 | 1.50 | 25-49 | .60 | 26-60 | .30 | 27-49 | 1.00 | 28-49* | .75 | 29-49 | 1.50 | 29M-49 | 2.50 | 30-49 | 2.20 | 49 |
| 60 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-66 | 1.20 | 25-66 | .50 | 26-60 | .30 | 27-60 | .75 | 28-60 | .50 | .... | .. | 29M-60 | 1.80 | 30-60 | 1.20 | 60 |
| 65 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-66 | 1.20 | 25-66 | .50 | 26-60 | .30 | 27-60 | .75 | 28-60 | .50 | .... | .. | 29M-65 | 2.00 | 30-65 | 1.20 | 65 |
| 66 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-66 | 1.20 | 25-66 | .50 | 26-60 | .30 | 27-66 | .75 | 2-66 | .75 | .... | .. | 29M-66 | 2.00 | 30-66 | 2.20 | 66 |
| 67 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-66 | 1.20 | 25-66 | .50 | 26-60 | .30 | 27-66 | .75 | 2-66 | .75 | .... | .. | 29M-67 | 2.00 | 30-200 | 2.20 | 67 |
| 68 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-66 | 1.20 | 25-66 | .50 | 26-60 | .30 | 27-66 | .75 | 2-66 | .75 | .... | .. | 29M-68 | 2.50 | 30-68 | 2.20 | 68 |
| 80 | 22-60 | .04 | 23-85 | .10 | .... | .. | 24-85 | .80 | 25-85 | .24 | 26-60 | .30 | 27-85 | .75 | .... | .. | 29-85 | 1.20 | .... | .. | 30-85 | .80 | 80 |
| 85 | 22-60 | .04 | 23-85 | .10 | .... | .. | 24-85 | .80 | 25-85 | .24 | 26-60 | .30 | 27-85 | .75 | .... | .. | 29-85 | 1.20 | .... | .. | 30-85 | .80 | 85 |
| 99 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-155 | .30 | 27-99 | .75 | 28-99* | .50 | 29-99 | 1.20 | 29M-99 | 1.80 | 30-99 | 2.20 | 99 |
| 100 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-160 | 1.20 | 25-160 | .50 | 26-155 | .30 | 27-200 | .75 | 28-140 | .50 | 29-100 | 1.20 | 29M-100 | 1.60 | 30-49 | 2.20 | 100 |
| 109 | 22-109 | .04 | 23-180 | .20 | .... | .. | 24-109 | 1.00 | 25-109 | .50 | 26-109 | .30 | 27-109 | .75 | 28-109 | .50 | 29-109 | 1.20 | 29M-109 | 1.60 | 30-109† | 1.20 | 109 |
| 110 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-155 | .30 | 27-110 | .75 | 2-110* | .60 | .... | .. | 29M-110 | 1.80 | 30-49 | 2.20 | 110 |
| 111 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-60 | .30 | 27-111 | .75 | 2-111* | .60 | .... | .. | 29M-60 | 1.80 | 30-111 | 2.50 | 111 |
| 112 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-60 | .30 | 27-111 | .75 | 2-111* | .60 | .... | .. | 29M-112 | 2.00 | 30-112 | 2.50 | 112 |
| 113 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-66 | 1.20 | 25-66 | .50 | 26-60 | .30 | 27-113 | 1.00 | 2-113* | 1.00 | .... | .. | 29M-67 | 2.00 | 30-113 | 2.50 | 113 |
| 114 | 23-60 | .20 | 23-114 | .30 | 23A-60 | .24 | 24-114 | 1.80 | 25-114 | .80 | 26-114 | .50 | 27-114 | 1.40 | 2-114* | 1.25 | .... | .. | 29M-114 | 4.00 | 30-114 | 3.50 | 114 |
| 115 | 23-60 | .20 | 23-114 | .30 | 23A-60 | .24 | 24-115 | 2.00 | 25-115 | .90 | 26-114 | .50 | 27-115 | 2.40 | 28-115* | 1.50 | .... | .. | 29M-115 | 6.00 | 30-115 | 3.50 | 115 |
| 116A | 23-60 | .20 | 23-116 | .40 | 23A-60 | .24 | 24-116 | 2.50 | 25-116 | 1.00 | 26-116 | .60 | 27-116 | 2.80 | 28-116* | 1.80 | .... | .. | 29M-116A | 8.00 | 30-116A | 4.50 | 116A |
| 116 | 23-60 | .20 | 23-116 | .40 | 23A-60 | .24 | 24-116 | 2.50 | 25-116 | 1.00 | 26-116 | .60 | 27-116 | 2.80 | 28-116* | 1.80 | .... | .. | 29M-116 | 10.00 | 30-116 | 4.50 | 116 |
| 117 | 23-60 | .20 | 23-116 | .40 | 23A-60 | .24 | 24-117 | 3.00 | 25-117 | 1.20 | 26-117 | 3.00 | 27-117 | 3.60 | 2-117* | 2.00 | .... | .. | 29M-117 | 16.00 | 30-117 | 5.50 | 117 |
| 118 | 23-60 | .20 | 23-116 | .40 | 23A-60 | .24 | 24-117 | 3.00 | 25-117 | 1.20 | 26-117 | 3.00 | 27-117 | 3.60 | 2-117* | 2.00 | .... | .. | 29M-118 | 20.00 | 30-118 | 5.50 | 118 |
| 140 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-140 | 3.00 | 27-140 | .75 | 28-140* | .50 | 29-140 | 1.50 | .... | .. | 30-200 | 2.20 | 140 |
| 145 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-140 | 3.00 | 27-140 | .75 | 28-140* | .50 | 29-145 | 1.50 | .... | .. | 30-66 | 2.20 | 145 |
| 149 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-49 | 1.50 | 25-49 | .60 | 26-60 | .30 | 27-149 | 1.00 | 2-49 | .75 | 29-49 | 1.50 | 29M-49 | 2.50 | 30-149 | 1.20 | 149 |
| 150 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-155 | .30 | 27-200 | .75 | 28-140 | .50 | 29-150 | 1.20 | 29M-150 | 1.60 | 30-66 | 2.20 | 150 |
| 155 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-155 | .30 | 27-155 | .75 | 2-155 | .50 | 29-200 | 1.20 | 29M-200 | 1.80 | 30-155 | 1.20 | 155 |
| 160 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-160 | 1.20 | 25-160 | .50 | 26-155 | .30 | 27-155 | .75 | 2-155 | .50 | 29-150 | 1.20 | 29M-150 | 1.60 | 30-65 | 1.20 | 160 |
| 165 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-160 | 1.20 | 25-160 | .50 | 26-155 | .30 | 27-155 | .75 | 2-155 | .50 | 29-150 | 1.20 | 29M-150 | 1.60 | 30-65 | 1.20 | 165 |
| 180 | 22-60 | .04 | 23-180 | .20 | .... | .. | 24-180 | 1.00 | 25-109 | .50 | 26-155 | .30 | 27-155 | .75 | 2-155 | .50 | 29-100 | 1.20 | 29M-100 | 1.60 | 30-180† | 1.20 | 180 |
| 185 | 22-60 | .04 | 23-180 | .20 | .... | .. | 24-180 | 1.00 | 25-109 | .50 | 26-155 | .30 | 27-155 | .75 | 2-155 | .50 | 29-100 | 1.20 | 29M-100 | 1.60 | 30-180† | 1.20 | 185 |
| 190 | 22-60 | .04 | 23-85 | .10 | .... | .. | 24-180 | 1.00 | 25-109 | .50 | 26-155 | .30 | 27-190 | .75 | .... | .. | 29-100 | 1.20 | 29M-100 | 1.60 | 30-180† | 1.20 | 190 |
| 200 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-155 | .30 | 27-200 | .75 | 28-140 | .50 | 29-200 | 1.20 | 29M-200 | 1.80 | 30-200 | 2.20 | 200 |
| 209 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-155 | .30 | 27-209 | 1.00 | ● See Page 24 |  | .... | .. | 29M-209 | 1.80 | 30-66 | 2.20 | 209 |
| 249 | .... | .. | 23-60 | .20 | 23A-60 | .24 | 24-249 | 1.20 | 25-249 | .24 | 26-249 | .30 | 27-249 | 1.00 | .... | .. | 29-249 | 1.50 | .... | .. | 30-149 | 1.20 | 249 |
| 250 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-155 | .30 | 27-250 | .75 | 28-250 | .50 | 29-250 | 1.20 | 29M-250 | 1.80 | 30-200 | 2.20 | 250 |
| 259 | 22-99 | .20 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-155 | .30 | 27-259 | .75 | 2-110* | .60 | 29-250 | 1.20 | 29M-250 | 1.80 | 30-200 | 2.20 | 259 |
| 285 | 22-60 | .04 | 23-60 | .20 | 23A-60 | .24 | 24-155 | 1.20 | 25-60 | .50 | 26-60 | .30 | 27-85 | .75 | .... | .. | 29-85 | 1.20 | 29M-60 | 1.80 | 30-60 | 1.20 | 285 |

* NOTE: For double rings, order inside ring by part number; for outside double ring mark letter (D) after part number.

† NOTE: For reel stands to fit Baitcasting rods with offset reel seat, order by part number listed in column No. 30.

For long reel stands to fit salt or fresh water rod with straight reel seat, add letter (S) after part number listed in column No. 30.

‡ Reels with metal spools contain same parts as those with plastic spools.

PENN REEL HANDLES are interchangeable. For OVERSIZE handle (longer than standard size) use the next larger size. Length of handles: No. 24-109 (2 $\frac{7}{8}$ "), No. 24-180 (3"), No. 24-160 (3 $\frac{1}{2}$ "), No. 24-155 (4"), No. 24-66 (4 $\frac{5}{8}$ "), No. 24-49 (5"). When replacing handle screw, be sure to TIGHTEN handle screw before inserting small lock screw. If lock screw will not fit in groove DO NOT back up handle screw, but tighten more until lock screw fits in handle screw groove.

NOTE: On Reels No. 111-2/0, and No. 112-3/0, for "covered right side stand screw," use No. 31-110C.

PENN REEL PARTS No. 31 TO No. 41

ILLUSTRATION OF PARTS ON PAGE 19. SEE INSTRUCTIONS "HOW TO ORDER PARTS" ON PAGE 24

| Reel No. | No. 31 R. S. Stand Screw | | No. 32 L. S. Stand Screw | | No. 33 Rod Clamp | | No. 34 Clamp Screw with Nuts | | No. 35 Click Tongue | | No. 36 Click Button | | No. 37 Frame Post | | No. 38 R. S. Post Screw | | No. 39 L. S. Post Screw | | No. 40 Left Side Bearing | | No. 41 Bearing Spring | | Reel No. |
|-------------|--------------------------------|------------|--------------------------------|------------|------------------------|------------|---------------------------------------|------------|---------------------------|------------|---------------------------|------------|-------------------------|------------|-------------------------------|------------|-------------------------------|------------|--------------------------------|------------|-----------------------------|------------|-------------|
| | Part No. | Price Doz. | Part No. | Price Doz. | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each | Part No. | Price Each | Part No. | Price Doz. | Part No. | Price Doz. | Part No. | Price Each | Part No. | Price Each | |
| 14 | 31-285 | .24 | 31-285 | .24 | ..... | .. | ..... | .. | 35-60 | .10 | 36-60 | .10 | 37-60 | .20 | 31-60 | .24 | 31-60 | .24 | 40-60 | .30 | 41-60 | .10 | 14 |
| 49 | 31-110 | .24 | 31-110 | .24 | 33-49 | .30 | 34-49 | .20 | 35-60 | .10 | 36-60 | .10 | 37-49 | .20 | 38-110 | .24 | 38-110 | .24 | 40-60 | .30 | 41-60 | .10 | 49 |
| 60 | 31-60 | .24 | 31-155 | .24 | ..... | .. | ..... | .. | 35-60 | .10 | 36-60 | .10 | 37-60 | .20 | 38-60 | .24 | 31-60 | .24 | 40-60 | .30 | 41-60 | .10 | 60 |
| 65 | 31-60 | .24 | 31-155 | .24 | ..... | .. | ..... | .. | 35-60 | .10 | 36-60 | .10 | 37-65 | .20 | 38-60 | .24 | 31-60 | .24 | 40-60 | .30 | 41-60 | .10 | 65 |
| 66 | 31-60 | .24 | 31-155 | .24 | 33-200 | .30 | 34-200 | .20 | 35-60 | .10 | 36-60 | .10 | 37-65 | .20 | 38-60 | .24 | 31-60 | .24 | 40-60 | .30 | 41-60 | .10 | 66 |
| 67 | 31-60 | .24 | 31-155 | .24 | 33-200 | .30 | 34-200 | .20 | 35-60 | .10 | 36-60 | .10 | 37-67 | .20 | 38-60 | .24 | 31-60 | .24 | 40-60 | .30 | 41-60 | .10 | 67 |
| 68 | 31-60 | .24 | 31-155 | .24 | 33-200 | .30 | 34-200 | .20 | 35-60 | .10 | 36-60 | .10 | 37-68 | .20 | 38-60 | .24 | 31-60 | .24 | 40-60 | .30 | 41-60 | .10 | 68 |
| 80 | 31-285 | .24 | 32-155 | .24 | ..... | .. | ..... | .. | 35-60 | .10 | 36-60 | .10 | 37-60 | .20 | 31-60 | .24 | 31-155 | .24 | 40-60 | .30 | 41-60 | .10 | 80 |
| 85 | 31-285 | .24 | 32-155 | .24 | ..... | .. | ..... | .. | 35-60 | .10 | 36-60 | .10 | 37-60 | .20 | 31-60 | .24 | 31-155 | .24 | 40-60 | .30 | 41-60 | .10 | 85 |
| 99 | 31-200 | .24 | 32-110 | .24 | 33-200 | .30 | 34-200 | .20 | 35-60 | .10 | 36-60 | .10 | 37-65 | .20 | 38-200 | .24 | 31-110 | .24 | 40-60 | .30 | 41-60 | .10 | 99 |
| 100 | 31-200 | .24 | 31-285 | .24 | 33-49 | .30 | 34-49 | .20 | 35-155 | .10 | 36-60 | .10 | 37-180 | .20 | 38-200 | .24 | 31-60 | .24 | 40-60 | .30 | 41-60 | .10 | 100 |
| 109 | 31-109 | .24 | 31-109 | .24 | ..... | .. | ..... | .. | 35-155 | .10 | 36-109 | .10 | 37-109 | .20 | 38-109 | .24 | 38-109 | .24 | 40-109 | .30 | 41-109 | .10 | 109 |
| 110 | 31-110 | .24 | 32-110 | .24 | 33-49 | .30 | 34-49 | .20 | 35-60 | .10 | 36-60 | .10 | 37-180 | .20 | 38-110 | .24 | 31-110 | .24 | 40-60 | .30 | 41-60 | .10 | 110 |
| 111 | 31-110 | .24 | 32-110 | .24 | 33-200 | .30 | 34-49 | .20 | 35-60 | .10 | 36-60 | .10 | 37-60 | .20 | 38-110 | .24 | 31-110 | .24 | 40-60 | .30 | 41-60 | .10 | 111 |
| 112 | 31-110 | .24 | 32-110 | .24 | 33-200 | .30 | 34-200 | .20 | 35-60 | .10 | 36-60 | .10 | 37-67 | .20 | 38-110 | .24 | 31-110 | .24 | 40-60 | .30 | 41-60 | .10 | 112 |
| 113 | 31-110 | .24 | 32-110 | .24 | 33-200 | .30 | 34-200 | .20 | 35-60 | .10 | 36-60 | .10 | 37-67 | .20 | 38-110 | .24 | 31-110 | .24 | 40-60 | .30 | 41-60 | .10 | 113 |
| 114 | 31-114 | .60 | 32-114 | .60 | 33-114 | .40 | 34-200 | .20 | 35-114 | .16 | 36-114 | .16 | 37-114 | .30 | 38-114 | .60 | 31-115 | .60 | 40-114 | .50 | 41-114 | .16 | 114 |
| 115 | 31-115 | .60 | 32-115 | .60 | 33-114 | .40 | 34-200 | .20 | 35-115 | .16 | 36-115 | .16 | 37-115 | .40 | 38-114 | .60 | 31-115 | .60 | 40-114 | .50 | 41-114 | .16 | 115 |
| 116A | 31-115 | .60 | 32-115 | .60 | 33-116 | .50 | 34-116 | .40 | 35-115 | .16 | 36-115 | .16 | 37-116A | .40 | 38-114 | .60 | 31-115 | .60 | 40-116 | .60 | 41-114 | .16 | 116A |
| 116 | 31-115 | .60 | 32-115 | .60 | 33-116 | .50 | 34-116 | .40 | 35-115 | .16 | 36-115 | .16 | 37-116 | .50 | 38-114 | .60 | 31-115 | .60 | 40-116 | .60 | 41-114 | .16 | 116 |
| 117 | 31-115 | .60 | 31-115 | .60 | 33-117 | .60 | 34-116 | .40 | 35-115 | .16 | 36-117 | .16 | 37-116 | .50 | 38-114 | .60 | 38-114 | .60 | 40-117 | 3.00 | ..... | .. | 117 |
| 118 | 31-115 | .60 | 31-115 | .60 | 33-117 | .60 | 34-116 | .40 | 35-115 | .16 | 36-117 | .16 | 37-118 | .60 | 38-114 | .60 | 38-114 | .60 | 40-117 | 3.00 | ..... | .. | 118 |
| 140 | 31-200 | .24 | 31-110 | .24 | 33-200 | .30 | 34-200 | .20 | 35-155 | .10 | 36-155 | .10 | 37-155 | .20 | 38-200 | .24 | 38-110 | .24 | 40-140 | 3.00 | ..... | .. | 140 |
| 145 | 31-200 | .24 | 31-110 | .24 | 33-200 | .30 | 34-200 | .20 | 35-155 | .10 | 36-155 | .10 | 37-160 | .20 | 38-200 | .24 | 38-110 | .24 | 40-140 | 3.00 | ..... | .. | 145 |
| 149 | 31-149 | .24 | 31-149 | .24 | ..... | .. | ..... | .. | 35-60 | .10 | 36-60 | .10 | 37-49 | .20 | 38-60 | .24 | 38-60 | .24 | 40-60 | .30 | 41-60 | .10 | 149 |
| 150 | 31-200 | .24 | 31-285 | .24 | 33-200 | .30 | 34-200 | .20 | 35-155 | .10 | 36-60 | .10 | 37-160 | .20 | 38-200 | .24 | 31-60 | .24 | 40-60 | .30 | 41-60 | .10 | 150 |
| 155 | 31-155 | .24 | 32-155 | .24 | ..... | .. | ..... | .. | 35-155 | .10 | 36-155 | .10 | 37-155 | .20 | 31-60 | .24 | 31-155 | .24 | 40-60 | .30 | 41-60 | .10 | 155 |
| 160 | 31-155 | .24 | 32-155 | .24 | ..... | .. | ..... | .. | 35-155 | .10 | 36-155 | .10 | 37-160 | .20 | 31-60 | .24 | 31-155 | .24 | 40-60 | .30 | 41-60 | .10 | 160 |
| 165 | 31-155 | .24 | 32-155 | .24 | ..... | .. | ..... | .. | 35-155 | .10 | 36-155 | .10 | 37-160 | .20 | 31-60 | .24 | 31-155 | .24 | 40-60 | .30 | 41-60 | .10 | 165 |
| 180 | 31-285 | .24 | 32-155 | .24 | ..... | .. | ..... | .. | 35-155 | .10 | 36-155 | .10 | 37-180 | .20 | 31-60 | .24 | 31-155 | .24 | 40-60 | .30 | 41-60 | .10 | 180 |
| 185 | 31-285 | .24 | 32-155 | .24 | ..... | .. | ..... | .. | 35-155 | .10 | 36-155 | .10 | 37-180 | .20 | 31-60 | .24 | 31-155 | .24 | 40-60 | .30 | 41-60 | .10 | 185 |
| 190 | 31-285 | .24 | 32-155 | .24 | ..... | .. | ..... | .. | 35-155 | .10 | 36-155 | .10 | 37-180 | .20 | 31-60 | .24 | 31-155 | .24 | 40-60 | .30 | 41-60 | .10 | 190 |
| 200 | 31-200 | .24 | 31-285 | .24 | 33-200 | .30 | 34-200 | .20 | 35-155 | .10 | 36-60 | .10 | 37-155 | .20 | 38-200 | .24 | 31-60 | .24 | 40-60 | .30 | 41-60 | .10 | 200 |
| 209 | 31-285 | .24 | 31-155 | .24 | 33-200 | .30 | 34-200 | .20 | 35-155 | .10 | 36-209 | .10 | ● See Page 24 | | 31-60 | .24 | 31-60 | .24 | 40-60 | .30 | 41-60 | .10 | 209 |
| 249 | 31-149 | .24 | 31-149 | .24 | ..... | .. | ..... | .. | 35-60 | .10 | 36-60 | .10 | 37-49 | .20 | 38-60 | .24 | 38-60 | .24 | 40-60 | .30 | 41-60 | .10 | 249 |
| 250 | 31-200 | .24 | 31-285 | .24 | 33-200 | .30 | 34-200 | .20 | 35-60 | .10 | 36-60 | .10 | 37-155 | .20 | 38-200 | .24 | 31-60 | .24 | 40-60 | .30 | 41-60 | .10 | 250 |
| 259 | 31-110 | .24 | 32-110 | .24 | 33-200 | .30 | 34-200 | .20 | 35-60 | .10 | 36-60 | .10 | 37-155 | .20 | 38-110 | .24 | 31-110 | .24 | 40-60 | .30 | 41-60 | .10 | 259 |
| 285 | 31-285 | .24 | 32-155 | .24 | ..... | .. | ..... | .. | 35-60 | .10 | 36-60 | .10 | 37-60 | .20 | 31-60 | .24 | 31-155 | .24 | 40-60 | .30 | 41-60 | .10 | 285 |

NOTE: On Reel No. 111-2/0 and 112-3/0 for "covered right side Post Screw," use Part No. 38-110C.

Left Hand Reels require left hand parts, such as Main Gear, Pinion, Bridge Sleeve, Dog, Dog Spring, and Right Side Plate. When ordering these parts for Left Hand Reels, mark letters (LH) after part number.

Nos. 190, 185, 165, 80—Left hand reels require gears cut special for left hand reels.

Penn Reel Parts are interchangeable, and are numbered in a way to easily indicate in which Reels the part will fit. The first number before the dash is the part illustration number from chart on page 19; the number after the dash indicates the reel number. If the same part number is listed for different reel numbers, this part is interchangeable. For example: On page 23 part No. 40-60 (left side bearing No. 60 Reel) fits all Penn Reels, with exception of large Senator Reels and ball bearing Reels. This is very important in servicing of Penn Reels as the number of parts required is cut down to a minimum.

PENN REEL PARTS No. 42 TO No. 67

ILLUSTRATION OF PARTS ON PAGE 19

| | No. 42 Worm | | No. 43 R. S. Worm Bearing | | No. 44 L. S. Worm Bearing | | No. 44A L. S. Worm Bearing Spring | | No. 45 Worm Gear | | No. 46 Line Guide | | No. 46C Level-wind Complete | | No. 47 Pawl | | No. 48 Pawl Cover Screw | | No. 50 Worm Shield | | No. 37S Slotted Line Guide Post | |
|----------|----------------|-------|---------------------------------|-------|---------------------------------|-------|---|-------|------------------------|-------|-------------------------|-------|-----------------------------------|-------|----------------|-------|-------------------------------|-------|--------------------------|-------|---------------------------------------|-------|
| Reel No. | Part No. | Price | Part No. | Price | Part No. | Price | Part No. | Price | Part No. | Price | Part No. | Price | Part No. | Price | Part No. | Price | Part No. | Price | Part No. | Price | Part No. | Price |
| 109 | 42-109 | .40 | 43-109 | .30 | 44-109 | .30 | 44A-109 | .10 | 45-109 | .30 | 46-109 | .50 | 46C-109 | 1.10 | 47-109 | .10 | 48-109 | .10 | 50-109 | .30 | 37S-109 | .30 |
| 209 | 42-209 | .50 | 44-109 | .30 | 43-109 | .30 | 44A-109 | .10 | 45-209 | .30 | 46-209 | .50 | 46C-209 | 1.20 | 47-109 | .10 | 48-109 | .10 | ● See Below | | ● See Below | |

| | No. 60 Complete Frame | | No. 62 Click Spring | | No. 63 Click Spring Screw and Lock Washer | | No. 64 Fibre Idler Gear | | No. 65 Idler Gear Screw | | No. 66 Level-wind Drive Gear (Spool) | | No. 67 Level-wind Drive Gear Lock Spring | | TA200 Take Apart Thumb Screw | |
|----------|-----------------------------|------------|---------------------------|------------|--|------------|-------------------------------|------------|-------------------------------|------------|---|------------|---|------------|--|--|
| Reel No. | Part No. | Each Price | Part No. | Each Price | Part No. | Doz. Price | Part No. | Each Price | Part No. | Doz. Price | Part No. | Each Price | Part No. | Doz. Price | | |
| 209 | 61-209 | 2.50 | 62-209 | .20 | 63-209 | .36 | 64-209 | .40 | 65-209 | .24 | 66-209 | .30 | 67-209 | .24 | .25 each | |

● Note 209 reel parts such as Right- and Left-Side Rings, Frame Posts, Worm Shield and Slotted Posts are riveted together into one unit and cannot be sold separately. Order complete frame Part No. 61-209 which includes all these parts.

REPAIR PARTS

Greatest care is given to standardization of all parts, wherever possible. Penn Reel parts are standard size and interchangeable, regardless of type or size of the reel—a feature which has never been accomplished in the reel industry. This factor is of utmost importance in servicing Penn Reels, as it cuts down the number of parts required to a minimum; and enables us to continue supplying parts for discontinued models. For the repairman our Penn Reel Parts Kits are very helpful. We can supply parts for Penn Reels only.

HOW TO ORDER PARTS

The Chart on Page 19 illustrates parts for Reel No. 155, and level-wind parts for No. 209 with an illustration number under each part. Parts for other than the No. 155 Reel look similar in design. Penn Reel parts are interchangeable and are stamped with a part number to indicate in which reels the part will fit. All parts are listed with an illustration number (from chart page 19) at top of pages 20-24. In this column you will find the part number, and price, in line with the reel number. The first number before the dash is the part illustration number, the number after the dash indicates the reel number. If the same part number is listed under different reel numbers, the part is interchangeable. For example: On page 23, Part No. 40-60, is listed for all reel numbers, with the exception of large Senators and ball-bearing reels. This means, that Part No. 40 for the No. 60 Reel can be installed in the majority of Penn Reels. Penn Reel Dealers carry parts in stock.

PENN REEL LUBRICANT

No. 24—Price, 10c each
Packed one dozen in display carton

This handy tube contains a **combination lubricant which is equally effective for gears, shafts, and ball bearings.** All Penn Reels are equipped with self-sealing lubricating nipples, to easily and thoroughly lubricate your Penn Reel. Simply insert the spout of the tube into the lubricating nipples, and by squeezing the collapsible tube at the bottom end, the lubricant is forced under pressure to all the vital points in the Reel.



HOW TO FIND PART NUMBER AND PRICE

1. Find the Illustration Number and name of part required in Chart on Page 19.
2. Refer to parts list (pages 20 to 24). All parts are listed in numerical order at top of page. Find the Illustration Number, and in this column you find the part number and price in line with the reel number. (Number stamped on Reel.)

NOTE WHEN ORDERING PARTS

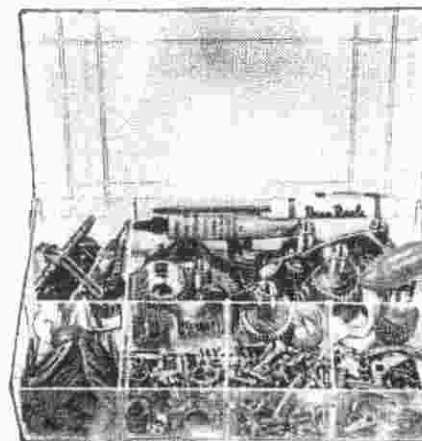
1. Order by Part Number only (not Illustration Number). Enclose check, money order or stamps, plus parcel post charges.
2. Where the remittance is not enclosed with order, parts will be sent C.O.D.
3. Print name and address plainly to avoid delay and lost mail.
4. Minimum charge for parts order 25¢, plus cost of postage and insurance.

WHEN SENDING REEL FOR REPAIR

Many Penn Dealers maintain repair departments. A fishing reel is a fine piece of machinery, requiring expert service. If local repair service is not available, send your reel to us. We maintain a repair department, staffed by skilled personnel. Enclose a letter, stating what repairs seem to be needed. Print your name and address plainly, in order to avoid loss.

On receipt of your package, we will acknowledge it promptly; and return reel to you, within a week, Parcel Post, insured, C.O.D.

KIT No. 6



PENN REEL PARTS KITS

These handy Parts Kits save time and expense in ordering parts, or sending reel to factory for repair. To replace parts in kit, or to obtain additional parts, order by part number from parts list on pages 20 to 24.

PARTS KIT No. 6—\$20.00
For all Penn Reels

Contains an assortment of small parts for all Penn Reels, except Senator Reels, size 6/0 to 16/0.

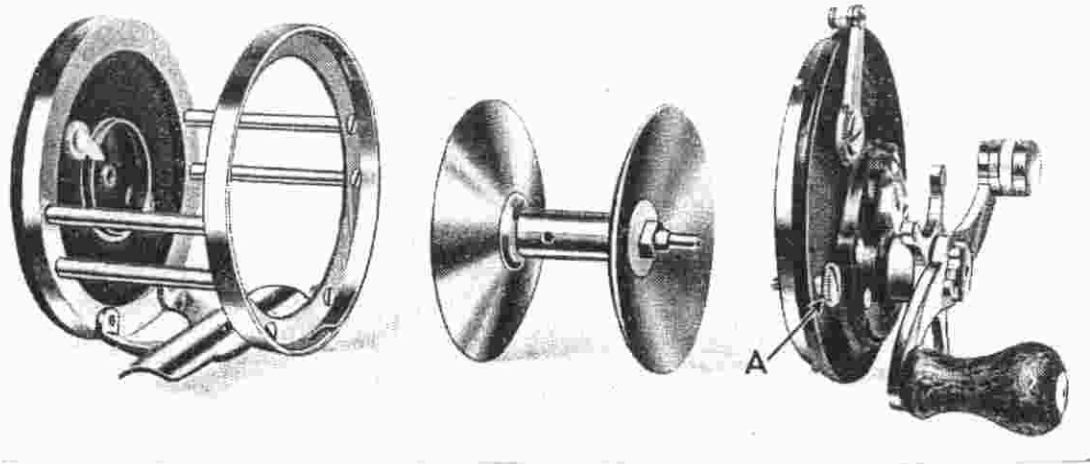
PARTS KIT No. 4—\$20.00
For No. 109 and 209 Reels

Kit contains a special assortment of parts for No. 109 and 209. Level-Wind Reels only.

CONSTRUCTION OF PENN FISHING REELS

DETAILS OF CONSTRUCTION

PENN 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.

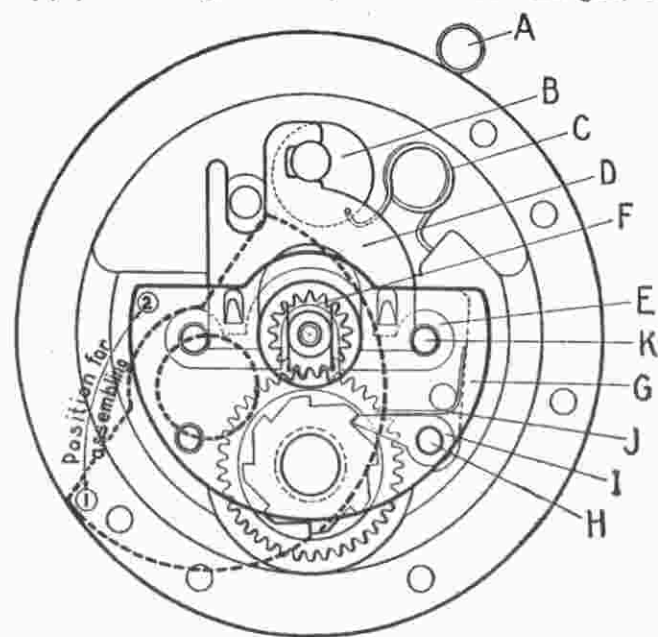


TAKE APART CONSTRUCTION

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 (PATENTED)

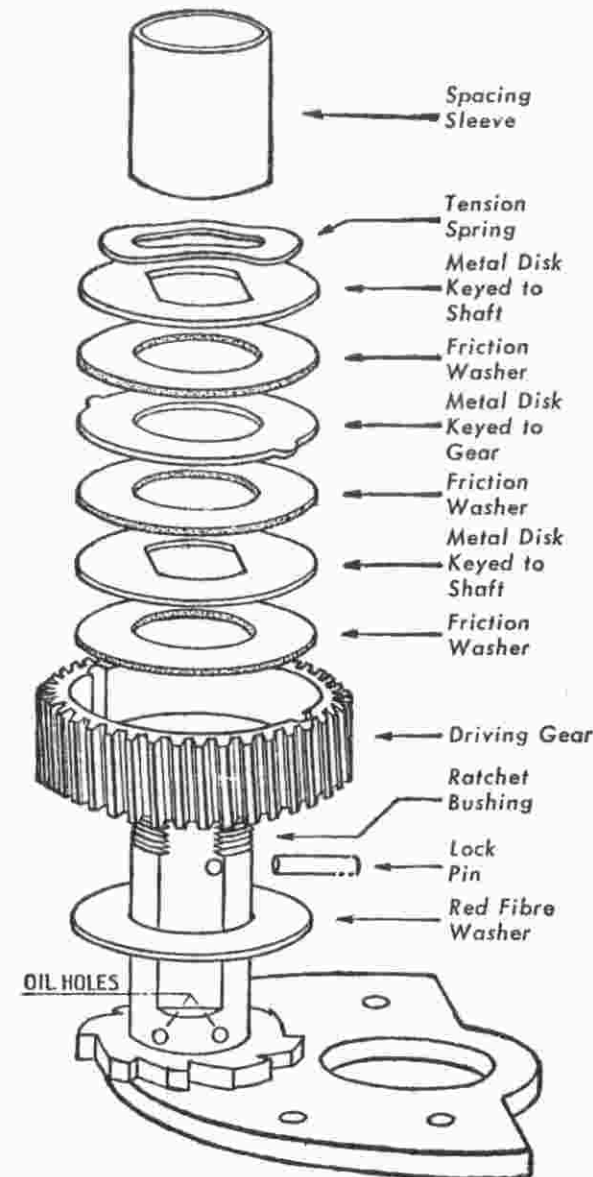
We employ our patented Free Spool Clutch to engage gear train. The free spool Snap lever is conveniently located on rim and enables the fisherman to throw the reel into free spool or apply the drag instantly and without danger, as the gears always remain in mesh and cannot strip. Free spool Snap lever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



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



Star Drag Assembly for all reels except Senator Reels 2/0 to 16/0 and 66, 67, 68. (See page 26.)

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.



to the vital points. Built-in oil reservoirs provide for complete safety. A tube of PENN REEL LUBRICANT 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.

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

No. 140 and No. 49 Reel

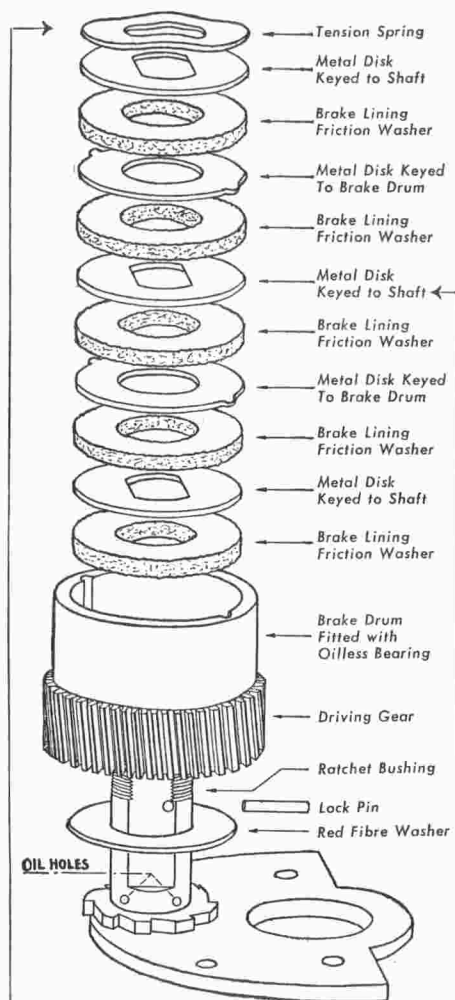
With a Standard Star Drag Reel the drag is always on and therefore requires shifting the reel in and out of gear for letting out and retrieving the line. With our CONVERTIBLE Star Drag feature the drag can be thrown off by shifting the lower lever forward. This allows letting out line while the reel 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."

OILING SYSTEM (PATENTED)

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

CONSTRUCTION OF PENN FISHING REELS



SENATOR STAR DRAG CLUTCH

The Senator Star Drag Clutch is a power-transmitting device, operating by friction, for securing or breaking rotative continuity; thereby allowing for a wide range of tension to be applied to a hooked fish. The tremendous braking power of our star drag clutch makes it possible to fight the powerful rushes and speedy surges of big game fish for hours, without the danger of the reel "freezing." Considering these facts, it is easily understood that the clutch, the flexible and adjustable connection between the fish and the angler, is the most important part of a big game reel.

At the left is shown a cut of our drag mechanism. The five friction washers are made of indestructible automobile brake lining, never in need of any attention. The brake drum is fitted with an oil-less bearing, and can not run hot, or seize because of lack of oil. The auto-brake-lining drag washers provide a friction medium, both powerful and smooth in action; thus removing danger of rod or line breakage. The range of drag is adjustable to a fine degree by the star wheel control. The parts of the drag mechanism needing oil, can be supplied with lubricant 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

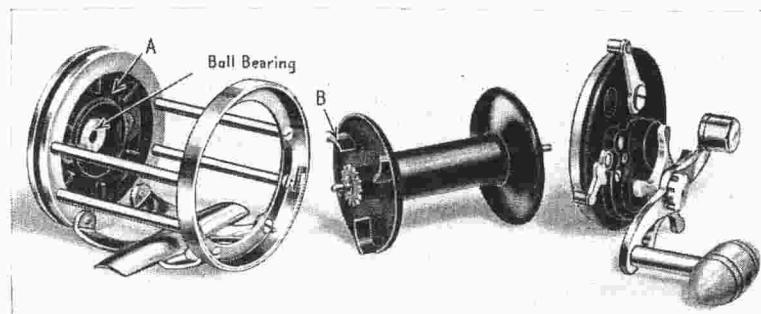
Take off handle screw and remove handle. Unscrew the star wheel (to the left), the friction washers can then be lifted out for inspection, or replacing. The asbestos friction washers are non-combustible and need no attention. Should it become necessary to compensate for wear of the friction washers, this is easily accomplished by adding an extra one, either asbestos or

metal, to the drag assembly. As oily brake washers cause slipping, and uneven, jerky, drag, it is recommended that they be kept free from oil. If brake washers are found to be oil-soaked, or glazed, the whole set should be replaced.

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 (PATENTED)

The inside of the spool bell is equipped with fins, or fan blades (B). Opposite these, on the inside of left side plate, are air chambers (A). In casting, when the spool is rotating at a high rate, there is a tendency for a spool to over-run. The Penn spool, equipped with air brakes, generates air pressure in the air chambers (A). This generated pressure acts as a brake on the spool, inhibiting spool rotation sufficiently to prevent over-running and the consequent backlash. As the generated air pressure is in direct relation to the rotative speed of the spool, the retarding effect diminishes as the spool speed is reduced; thereby allowing free travel of the line, and maximum distance 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 lightweight 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

Care of your 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 THE REEL APART

With our patented *One Shot Lubrication* (See page 25), it is an easy matter to thoroughly oil and grease your reel. A tube of PENN REEL LUBRICANT 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 lubricant on spool bearings, handle shaft, click button, free spool lever, and handle knob. To grease the driving gears, shoot lubricant into nipple on front plate, marked grease. Use oil and grease sparingly. You don't have to flood your reel to properly lubricate it.

Considering the fact, that a reel when casting, makes up to 10,000 revolutions per minute, it is easily understood how important it is to keep the bearings well oiled with a high grade lubricant, such as Penn Reel Lube. If your reel is thoroughly oiled and greased at all times, it will prevent the injurious inroads of salt water 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, or should you wish to clean the reel, take it apart, and wash the parts with a mixture of $\frac{2}{3}$ kerosene and $\frac{1}{3}$ light lubricating oil; or one of the commercial solvents on the market for cleaning purposes. Our "Take-Apart" reels can easily be taken apart (see instructions on page 25). On all other models remove the plate screws, and the reel will come apart. For reassembling, see instructions on page 25 and 26.

THE SERVICING OF THE REEL

Your fishing reel is a fine, watch-like mechanism, and we advise against taking it apart, except for cleaning. It deserves the best of care; and for repairs, the service of a thoroughly experienced repairman should be obtained. Should you prefer to have your reel restored to perfect working condition, send it to our factory, parcel post insured prepaid. Attach a letter to outside of package stating nature of repairs needed. We will replace parts, and put it in perfect working order, at a very nominal cost. For the expert, our instructions on pages 19 to 26 should prove very helpful.

REPAIR PARTS

Standardization of parts, wherever possible, plus mass production methods, make it possible to produce the Penn Reel at a low cost. Most parts are of standard size, and interchangeable, regardless of the type or size of reel—an innovation in the reel industry. This factor is important in the economy of production, as well as in servicing Penn Reels. The listing of our reel parts on pages 19-24, should prove helpful to both amateur and professional repairmen.

LINE CARE

A good grade of fishing line lasts a long time, if given the proper treatment. Verdigris and rust, strong sun rays, fungi and mildew caused by dampness, acids are enemies of fishing lines. 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 injurious to lines. Wash the line in fresh water, and allow it to dry (in the shade) before putting it back on the reel. In mid-season, reverse the line, end for end, on the reel. Over winter store your lines in a cool, dry place, wrapped in paper. Before using, next spring, test line for strength, by breaking off a few feet.

Caution: If you want to catch that "big one" that got away last summer, don't think the old line is good enough, but make sure, and use a good new one.

Selecting your 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 missing the enjoyment of the sport, and becoming discouraged.

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 kind 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 17.

THE REEL

A fishing reel has to fulfill the dual purpose of holding the proper length and size of line, and to absorb the strains of the surges and wild runs of a hooked fish. 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 kinds 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 of either 9- 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 take-apart feature. For squidding or jigging, in addition to 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 useful. Most important for offshore game fish trolling, is a sturdy Star Drag having the necessary line capacity. For details see our chart on page 17.

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. The importance of a harmonious balance between rod, reel, and line can not be overemphasized. Your tackle reflects your fishing personality.

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 detail. We recommend your local *fishing tackle dealer* for advice, and also to get information right on the fishing spot, from your brother anglers. They will gladly assist you with their knowledge and experience. By observing what tackle the successful expert uses, the novice can learn much.

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



Loop
Tie at least six slip knots about $\frac{1}{4}$ " apart.
Pull each knot tight before
placing next one.



Twist knot
For tying gut leader



Wedge
For tying line to swivel

LEFT HANDED FISHERMEN

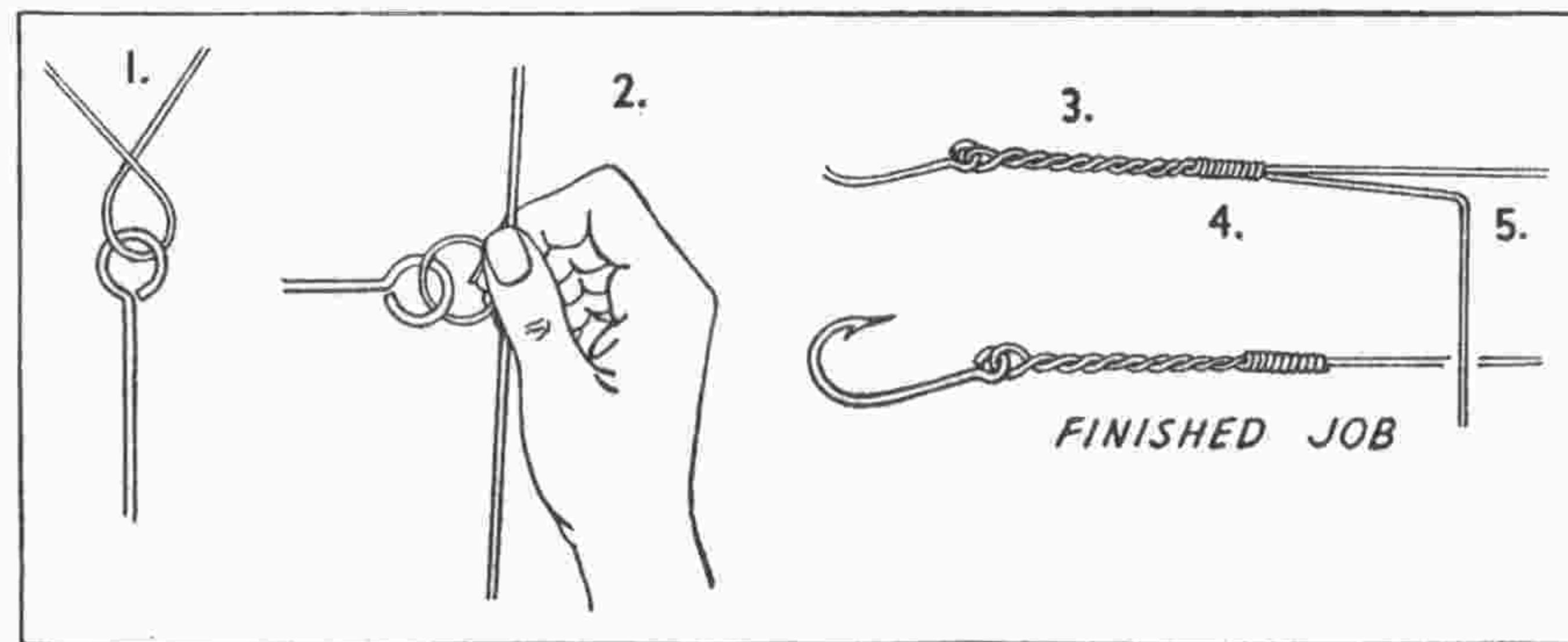
Old model reels could be used either right or left handed, but this is impossible with today's modern construction. Reels intended for left handed use have to be reversed, as the driving gears will slip out of mesh, when used the wrong way. All Penn Reels are listed in left hand models, and carried in stock by Penn Reel dealers for your convenience.

HOW TO TIE LEADER WIRE TO HOOK OR LURE

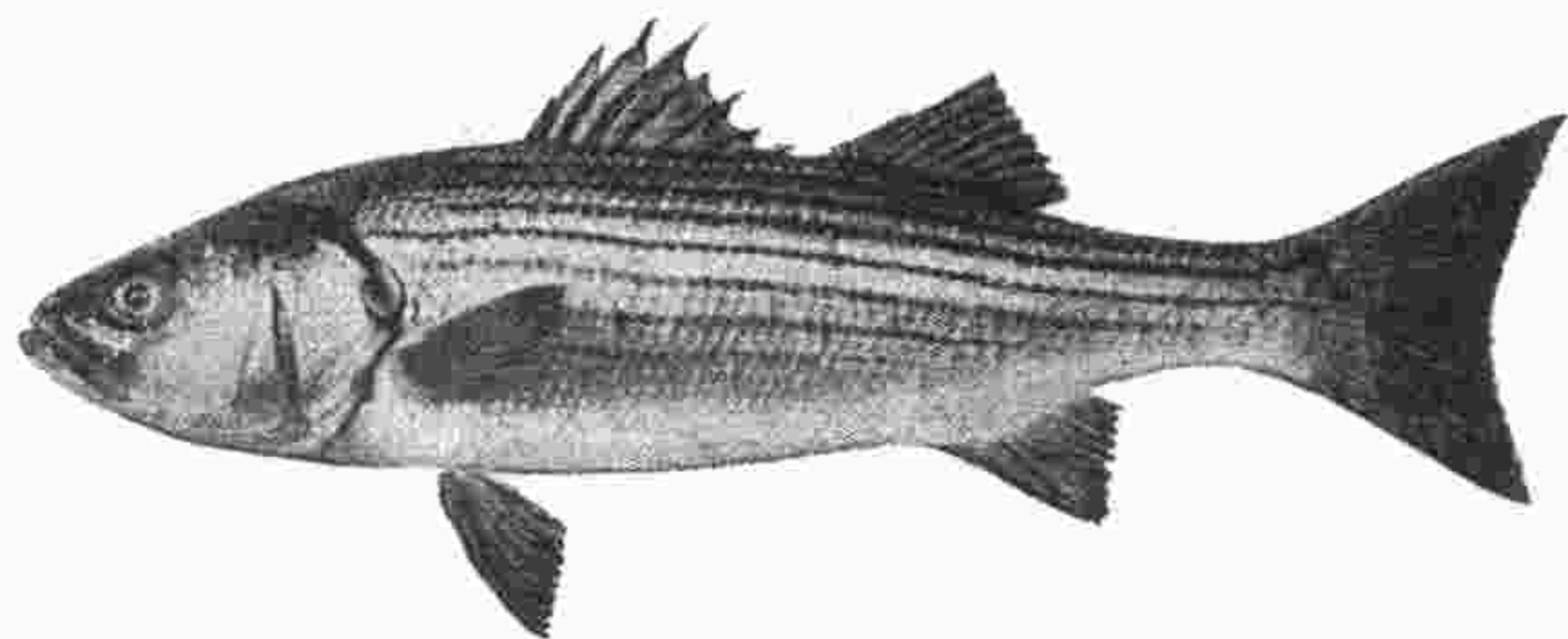
Perhaps more large fish are lost because of improperly made up wire leaders than for any other reason. Making up a leader is an art learned by patient practice, after being acquainted with the basic elements involved. It is well to practice with the thinner gauged wires first, a #9 or #10 is a good size with which to begin, as these sizes are easier to work than the heavier gauged sizes. A strong right thumb and index finger are needed for the job. This procedure should be followed:

1. Leader length should be from 6' to 15'. Push 3" to 4" of the working end of the wire through the eye of the hook, swivel, or whatever lure is to be tied. Hold the hook between thumb and index finger of left hand.
2. With right thumb and index finger, sharply bend the wire across the hook eye, so that wire end and standing part of wire point in opposite directions, and touch at point of crossing.
3. With the wire thus crossed, hook held in left hand, firmly grip, with right thumb and index finger, the wire at point of juncture, and begin twisting the wire to the right, tightly, until 10 to 12, hard, even, twists have been turned into wire. Both wires must be twisted equally, and the twist must be short and hard, in order to hold.
4. Make 10 to 12 round turns with short end of wire around the standing part (long wire), being careful to lay each turn tightly against the preceding one.
5. Bend the remainder of short end, in its middle, at an angle of 90°, grip the bent end firmly with the right thumb, close to the 90° bend. Lift the remainder of the short end of the wire in a 180° arc toward the standing part of the wire, thereby breaking off the end of the wire close to the last round turn, leaving no sharp end.

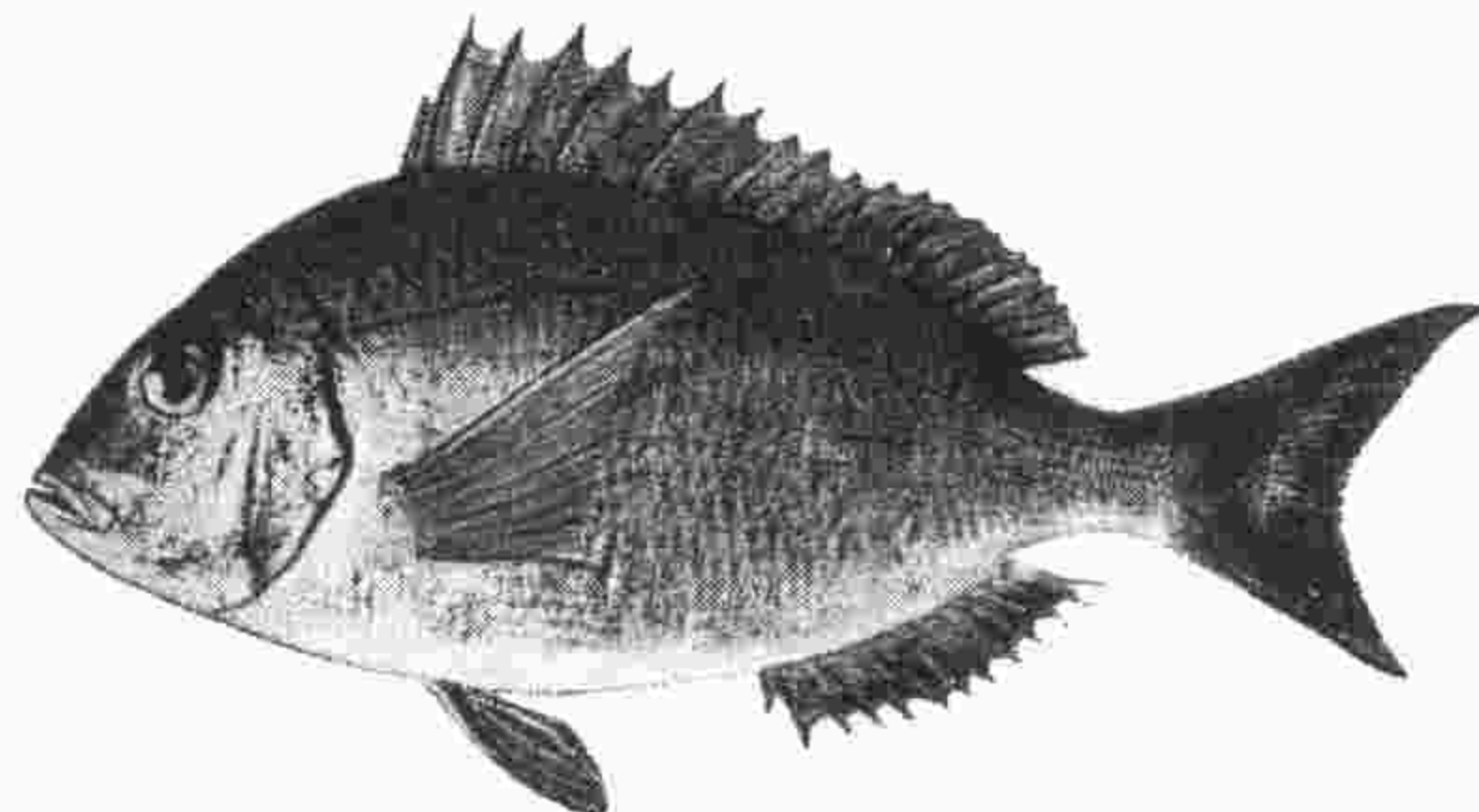
Don't become discouraged if your first few attempts do not prove successful. Keep trying, and watch a good charter boat skipper.



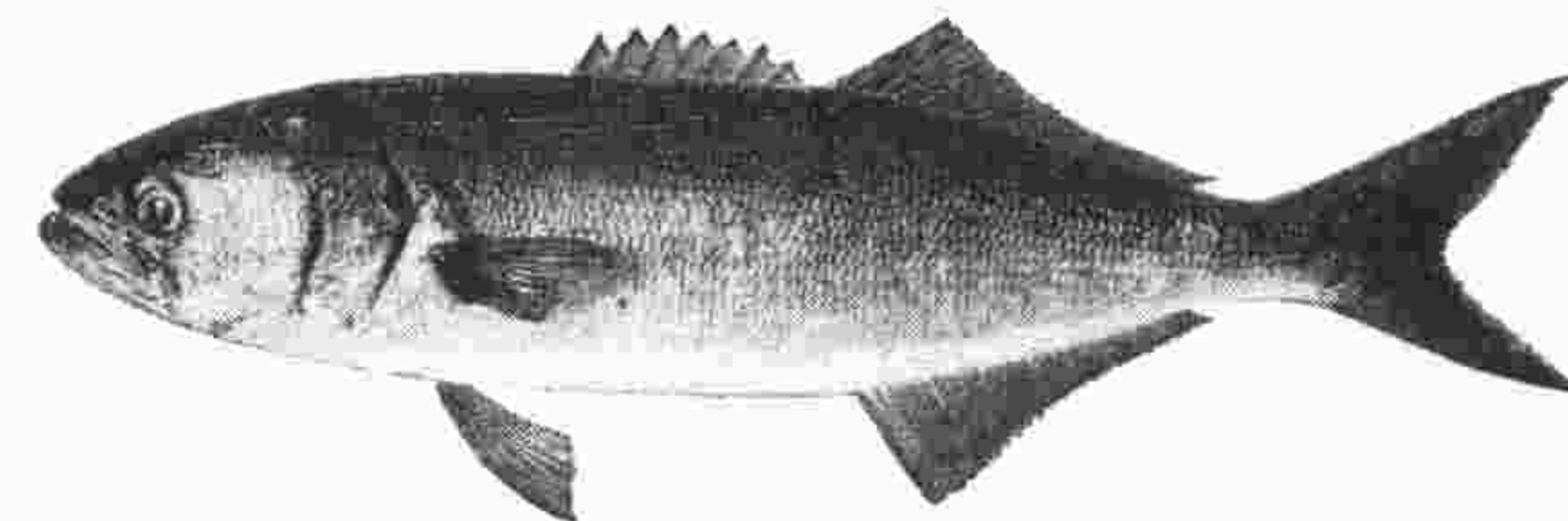
New year salt water fish



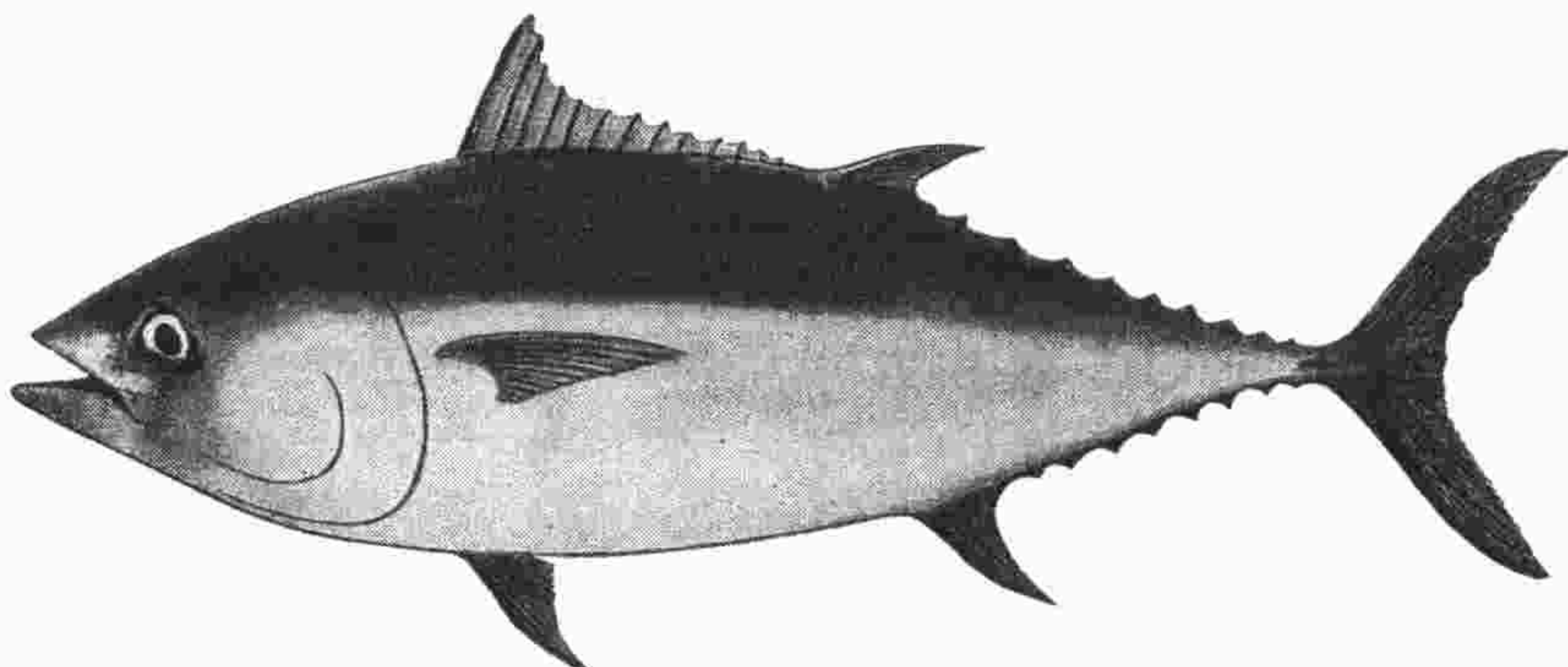
STRIPED BASS (Rock Fish)
Record Weight 73 lbs.



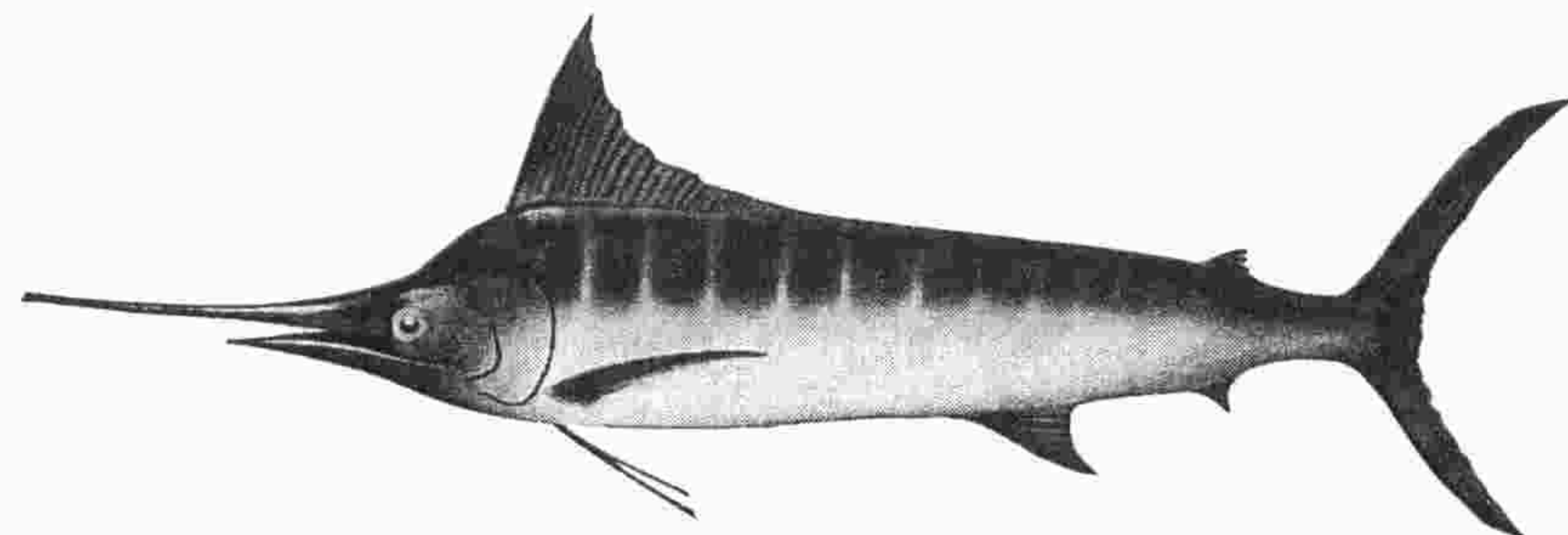
PORGY
Record Weight 5 lbs.



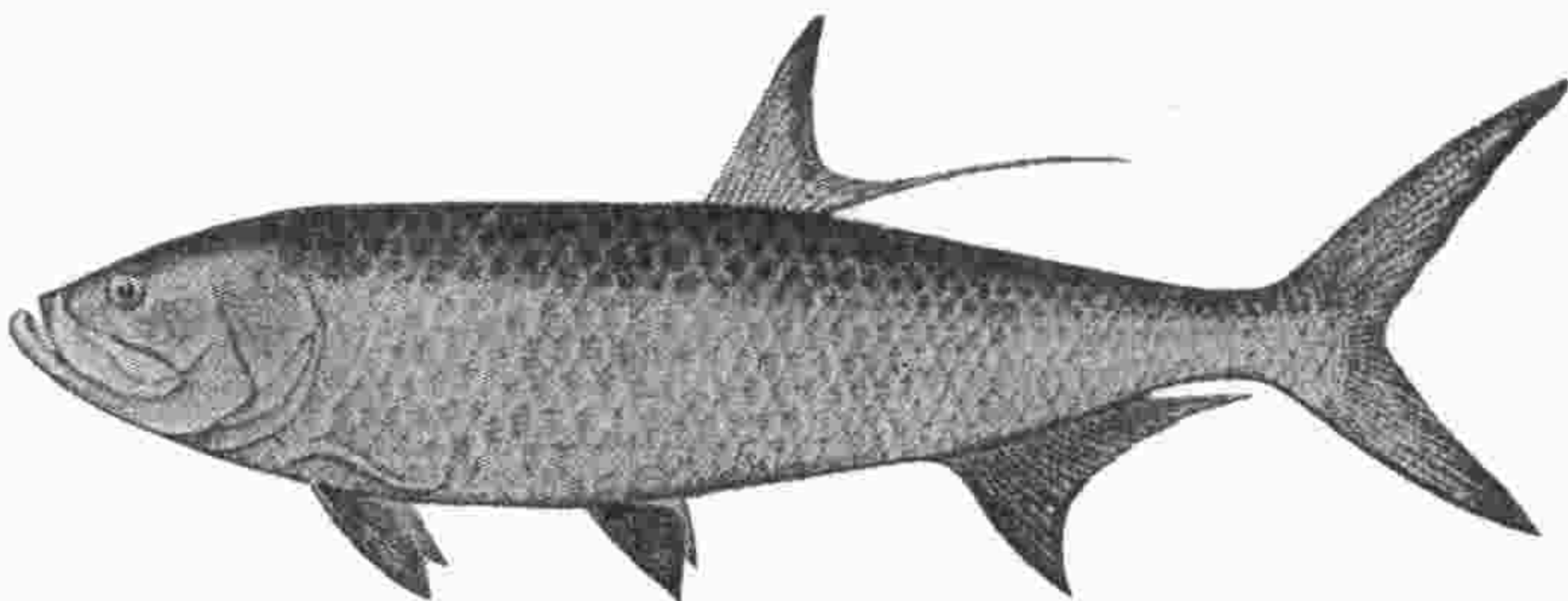
BLUEFISH
Record Weight 14 lbs. 11 ³/₄ oz.



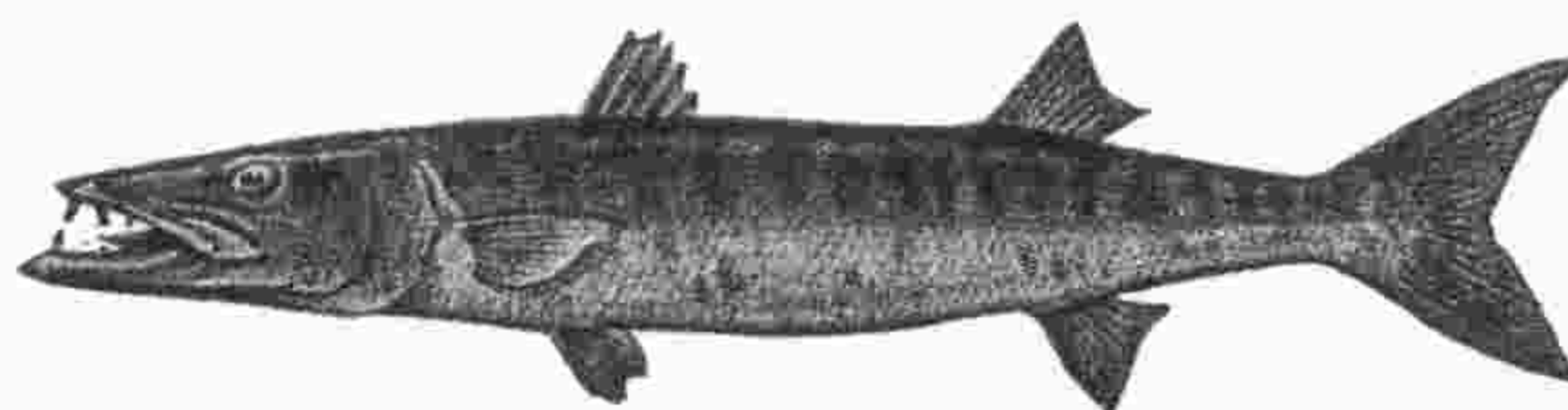
BLUEFIN TUNA
Record Weight 977 lbs.



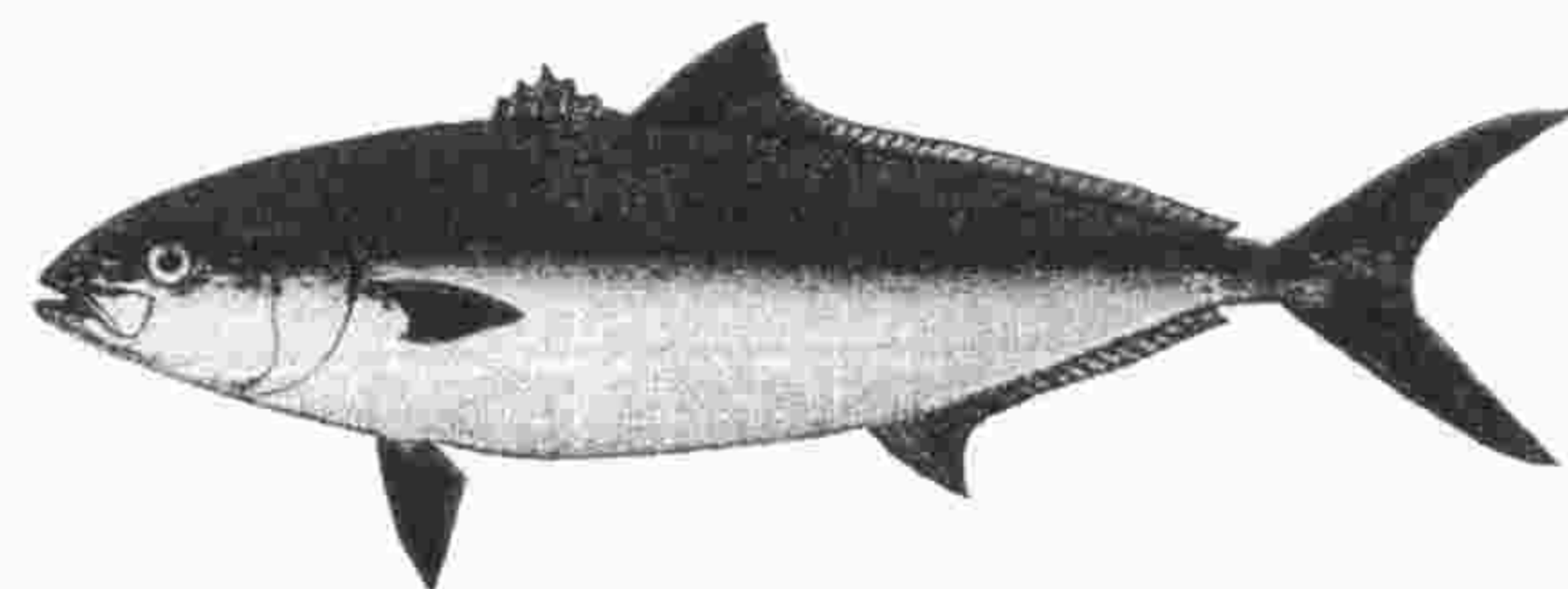
MARLIN (Striped)
Record Weight 692 lbs.



TARPON (Silver King)
Record Weight 247 lbs.

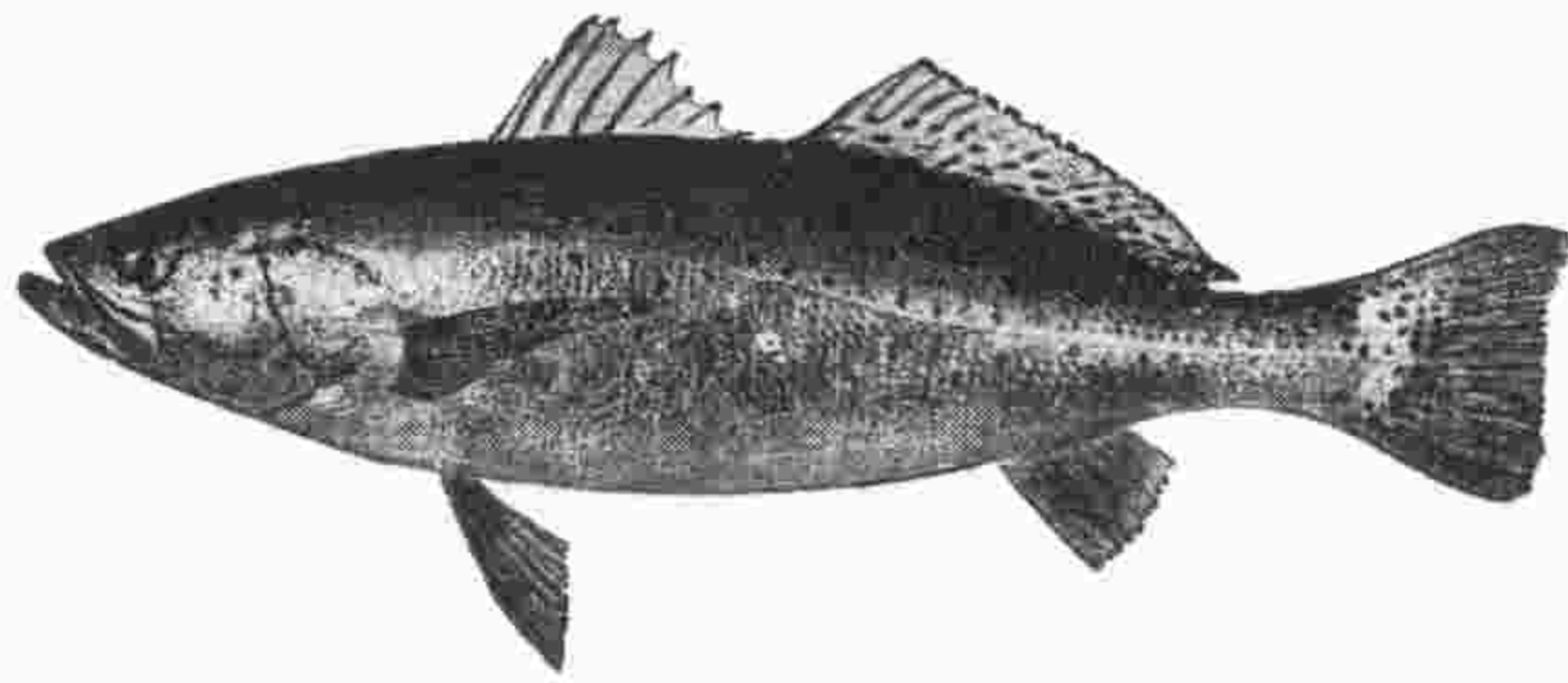


BARRACUDA (Sea Tiger)
Record Weight 103 ¹/₄ lbs.

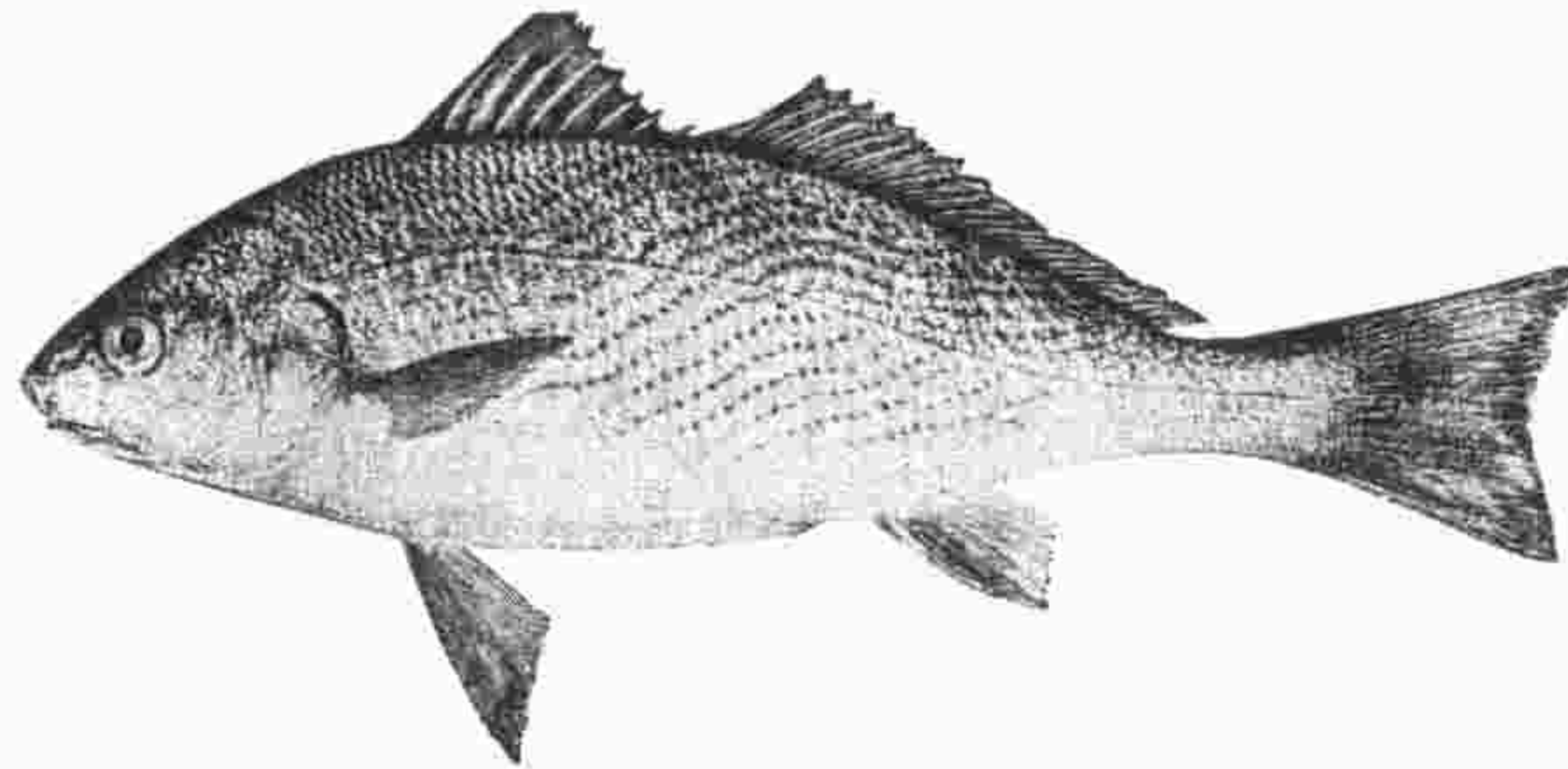


YELLOWTAIL
Record Weight 90 lbs.

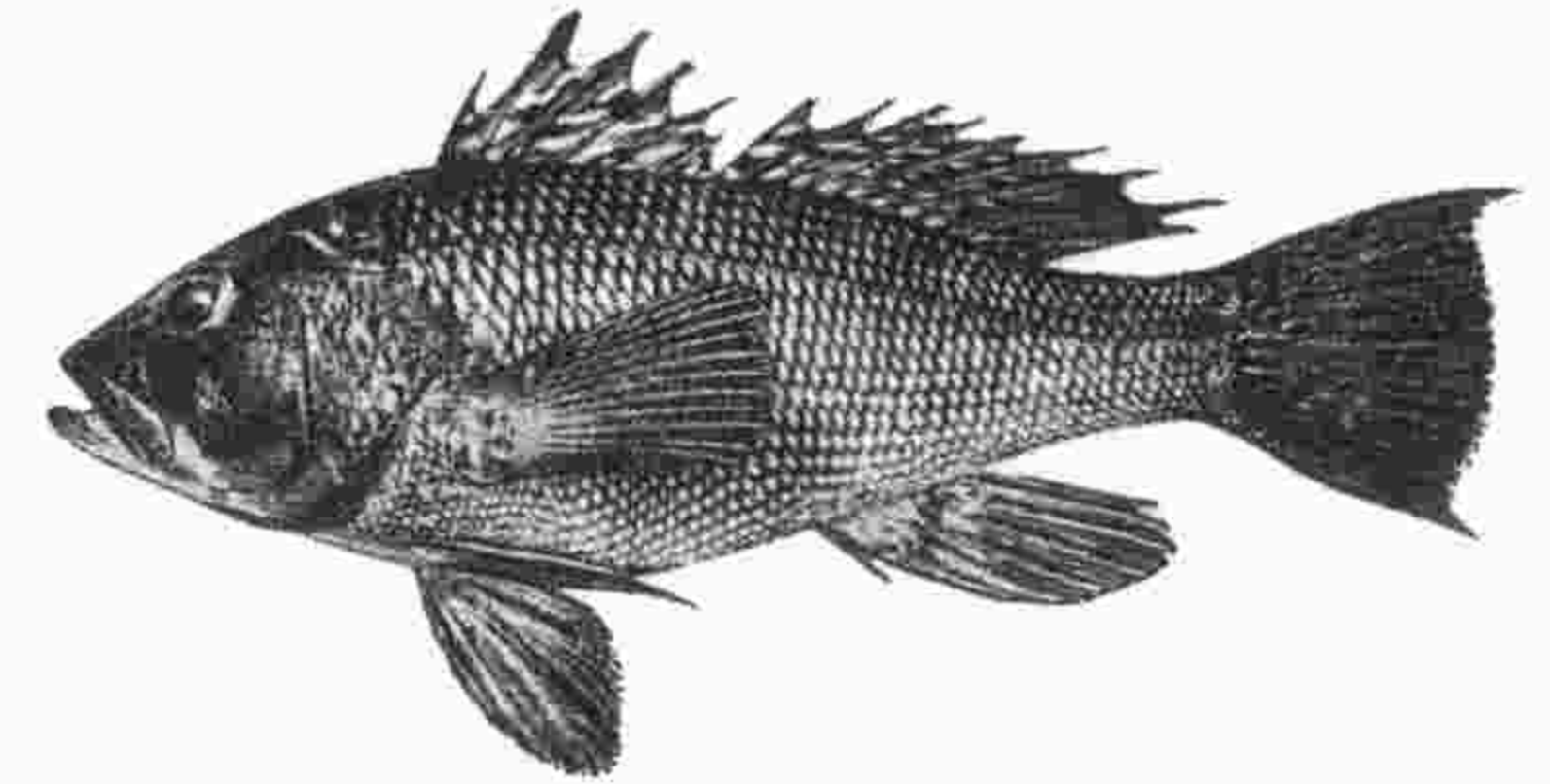
Know your salt water fish



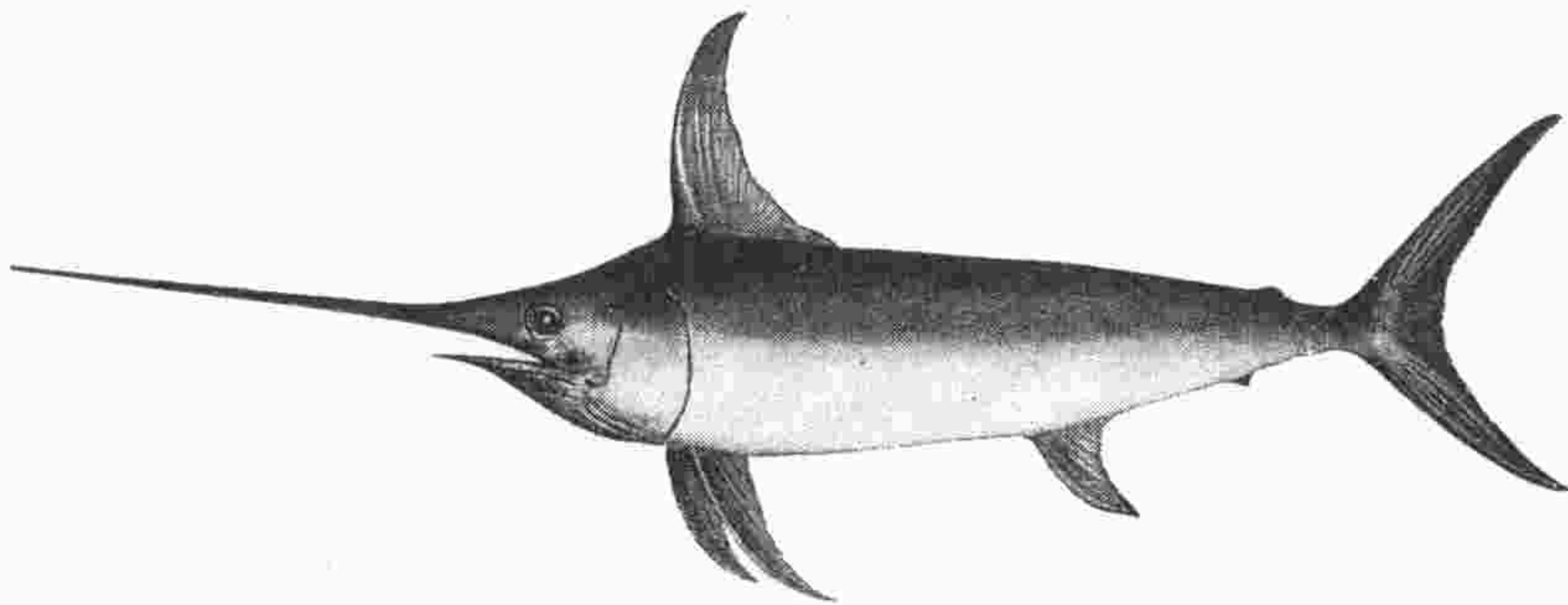
WEAKFISH (Sea Trout)
Record Weight 17 lbs. 8 oz.



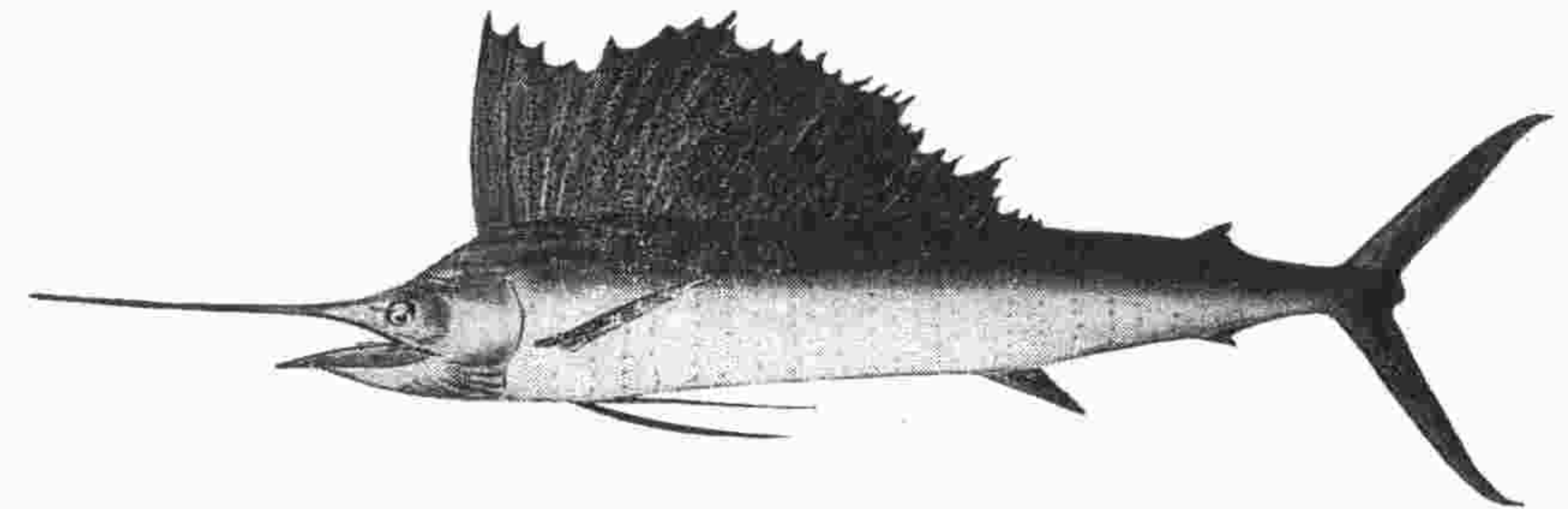
CROAKER (Hardhead)
Record Weight 7 lbs.



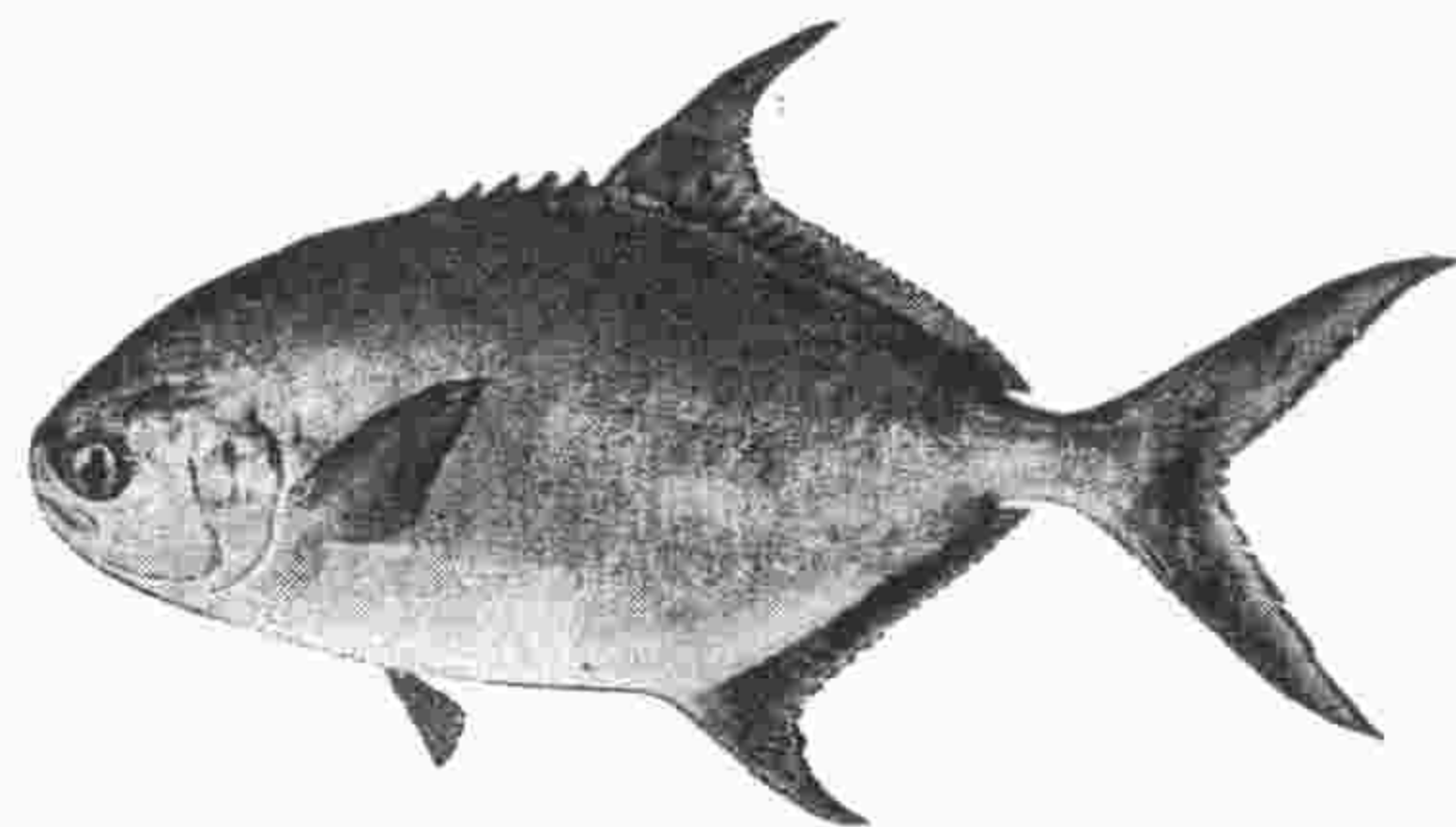
SEA BASS
Record Weight 8 lbs.



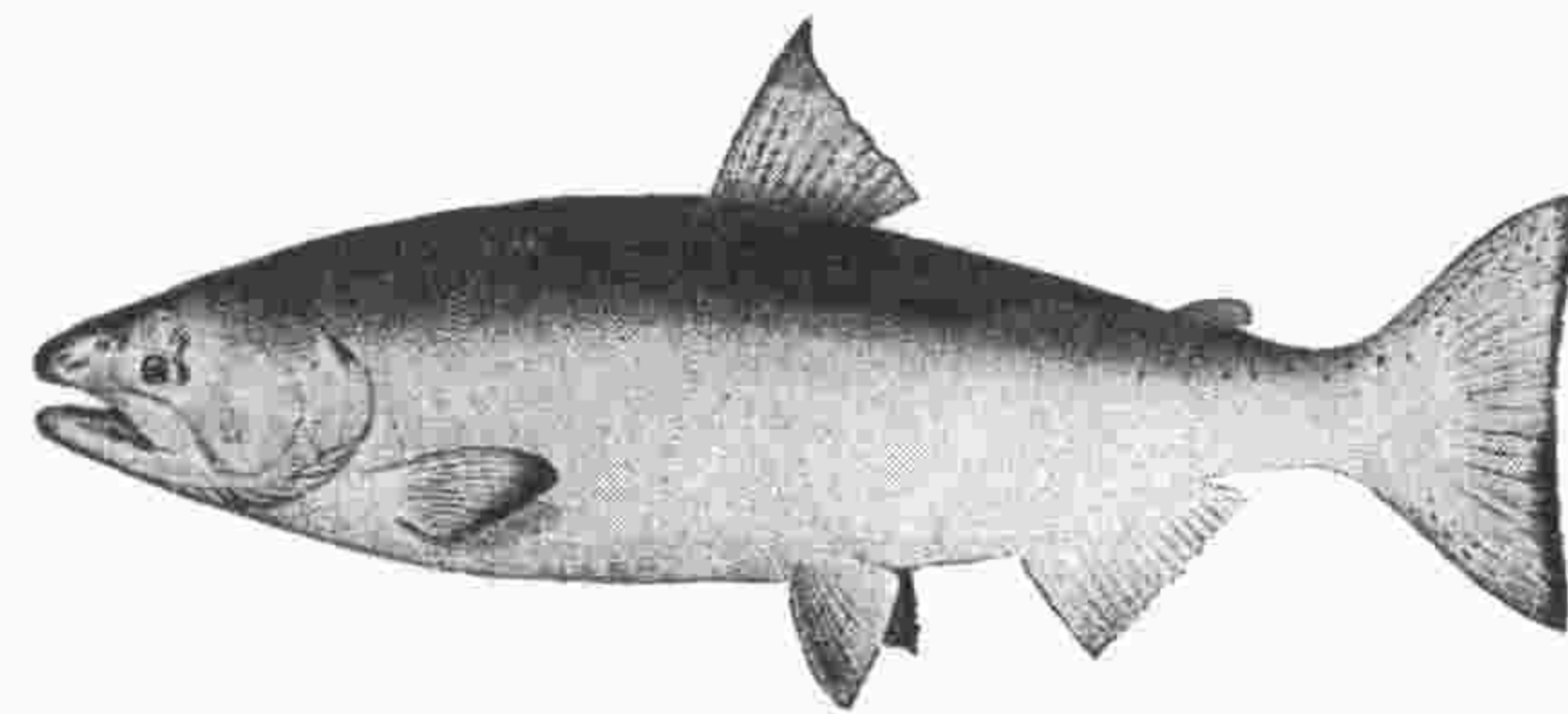
BROADBILL SWORDFISH
Record Weight 860 lbs.



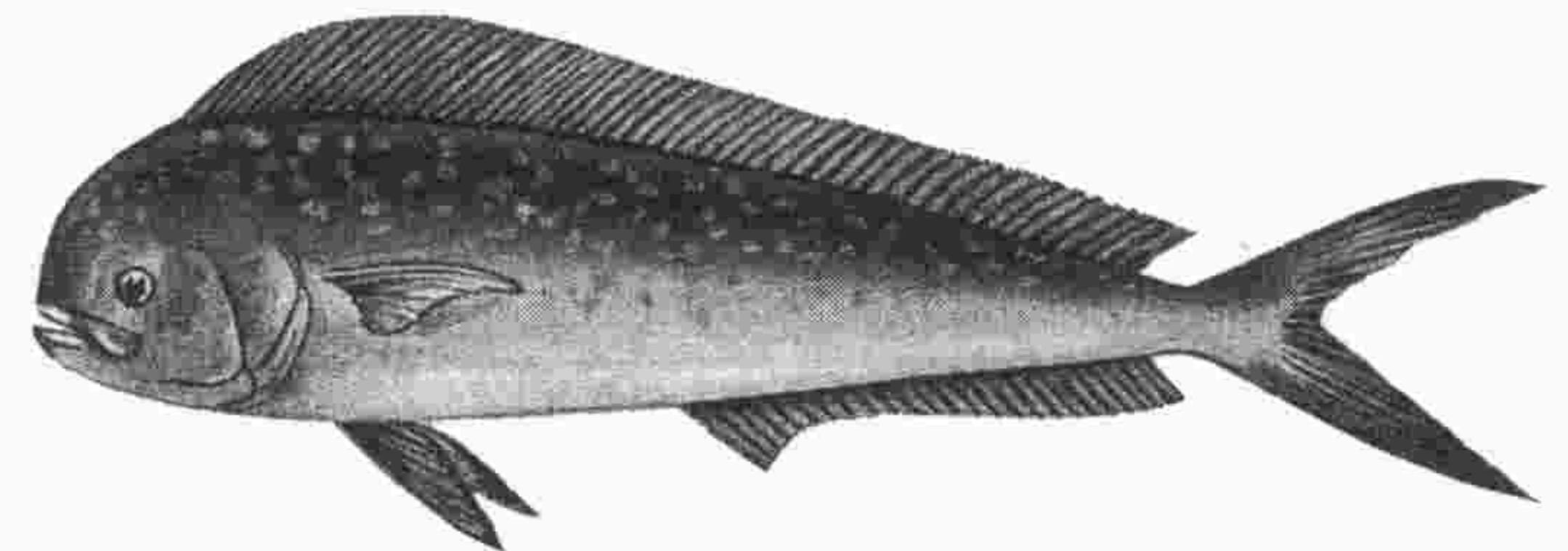
SAILFISH
Record Weight 221 lbs.



POMPANO
Record Weight 30 lbs.

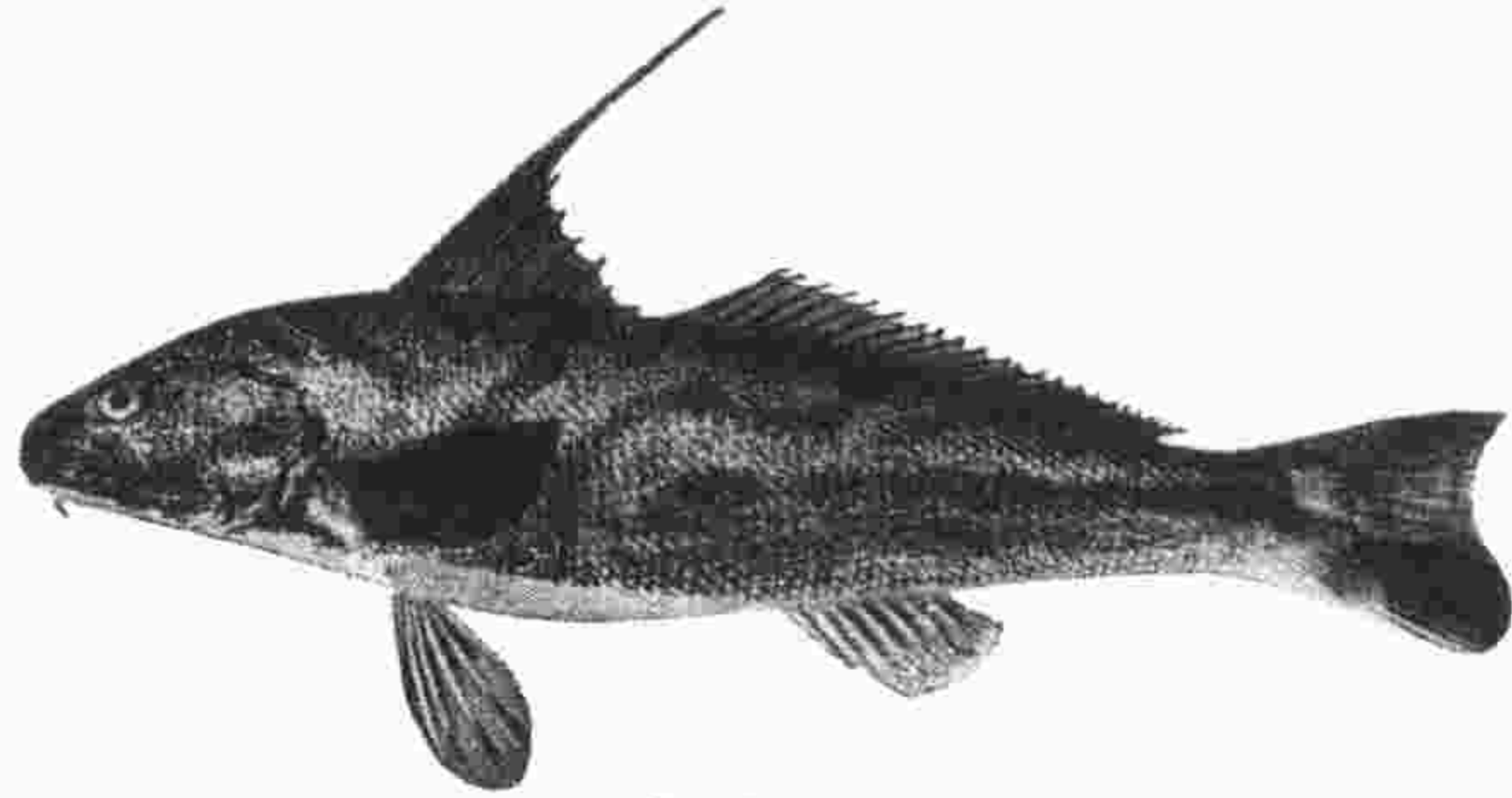


CHINOOK SALMON
Record Weight 83 lbs.

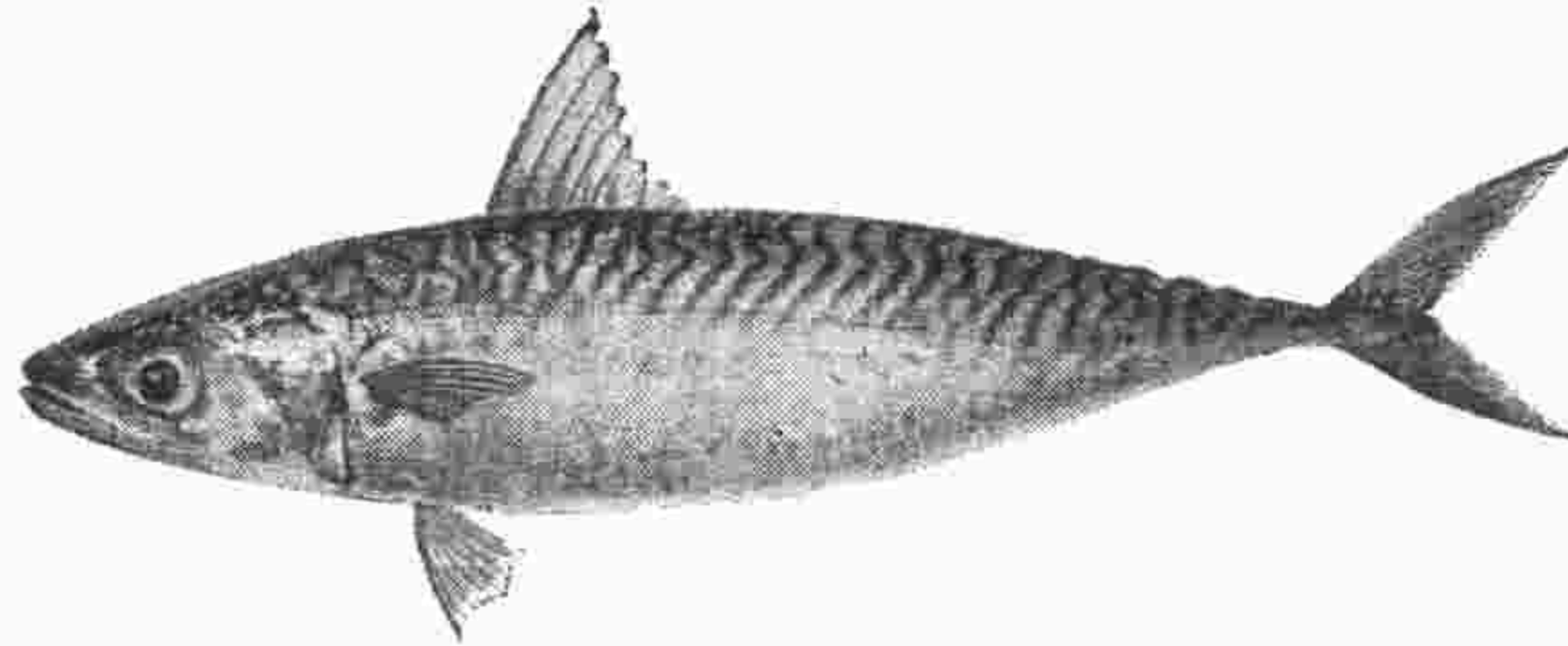


DOLPHIN (Dorado)
Record Weight 67½ lbs.

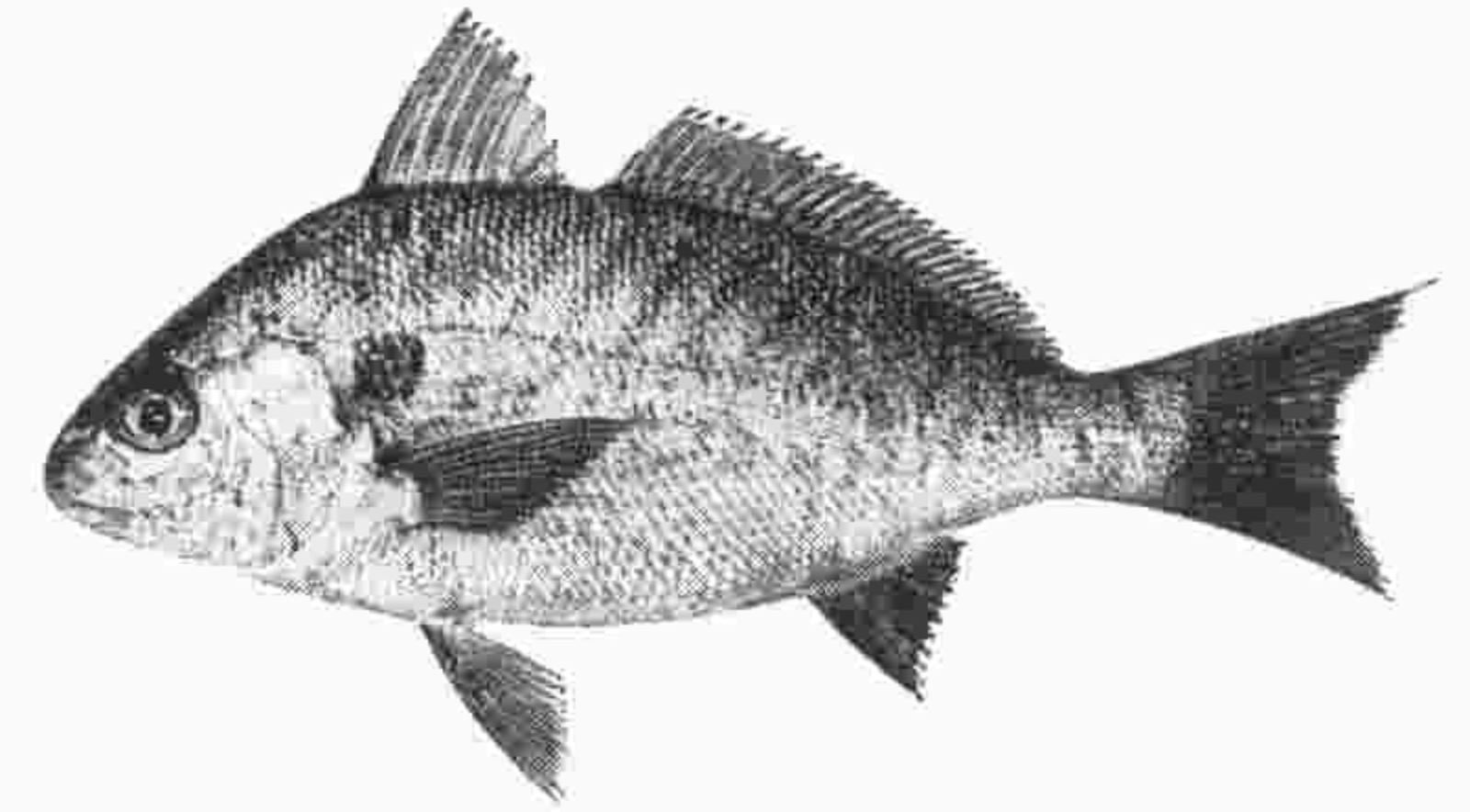
Know your salt water fish



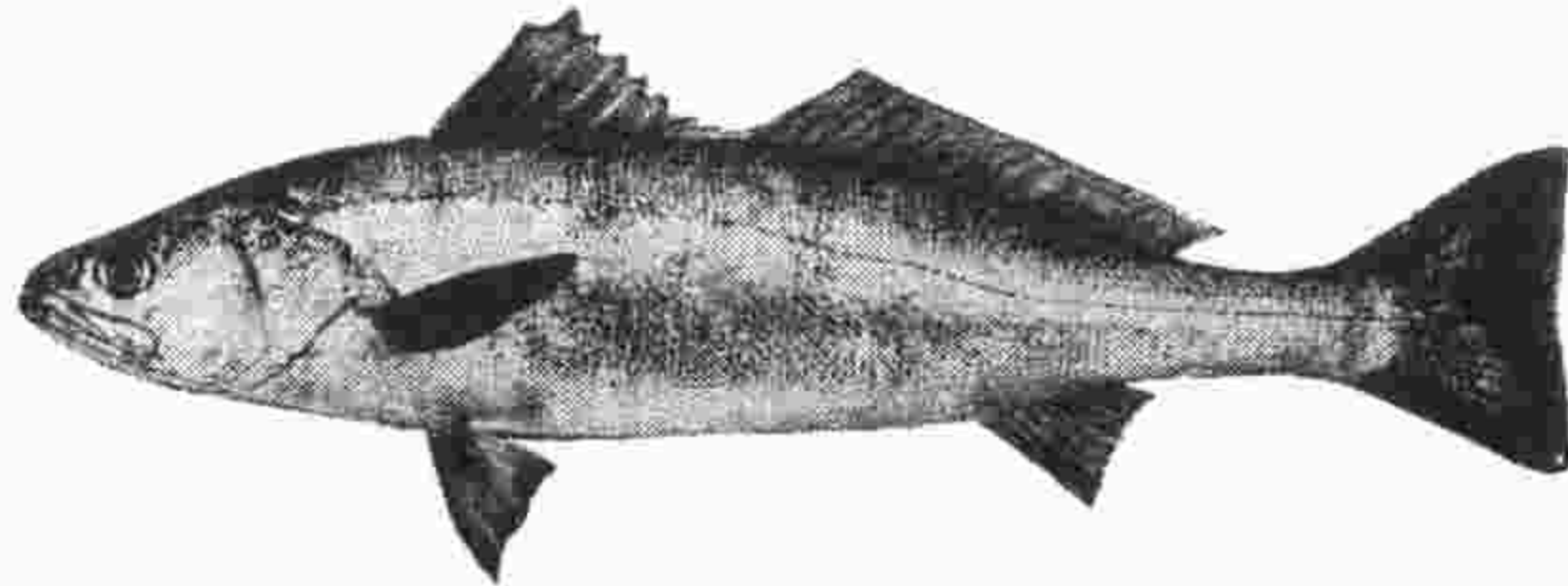
KINGFISH
Record Weight 6 lbs.



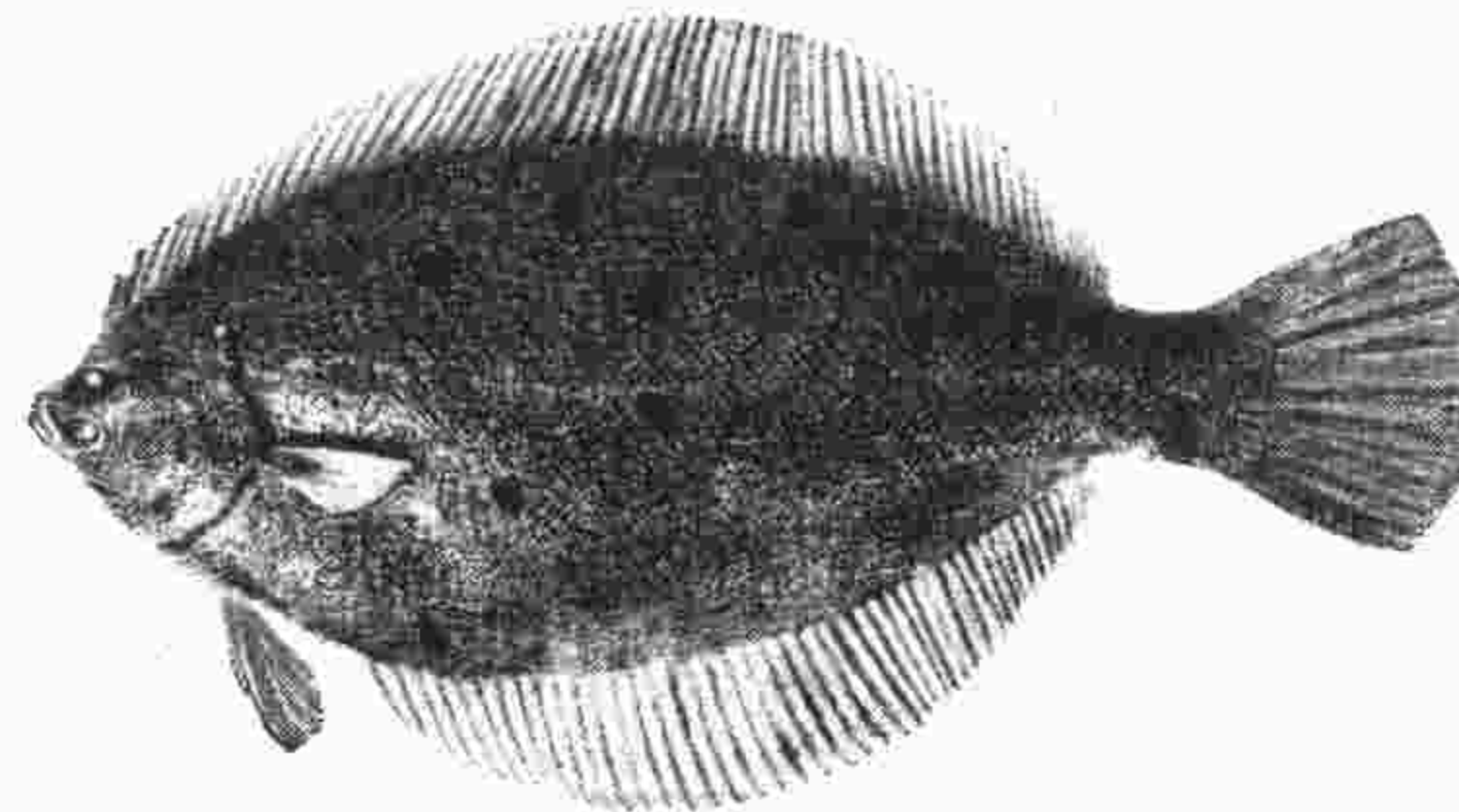
MACKEREL
Record Weight 8 lbs.



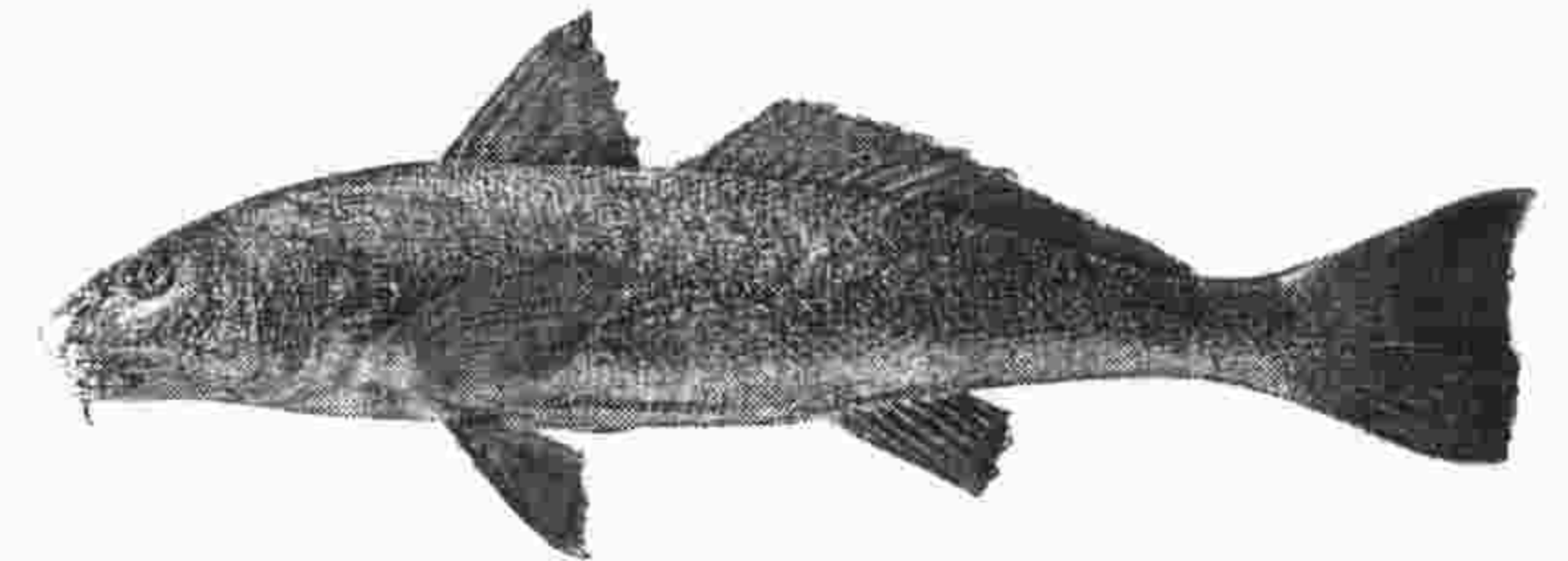
SPOT
Record Weight 1 1/2 lbs.



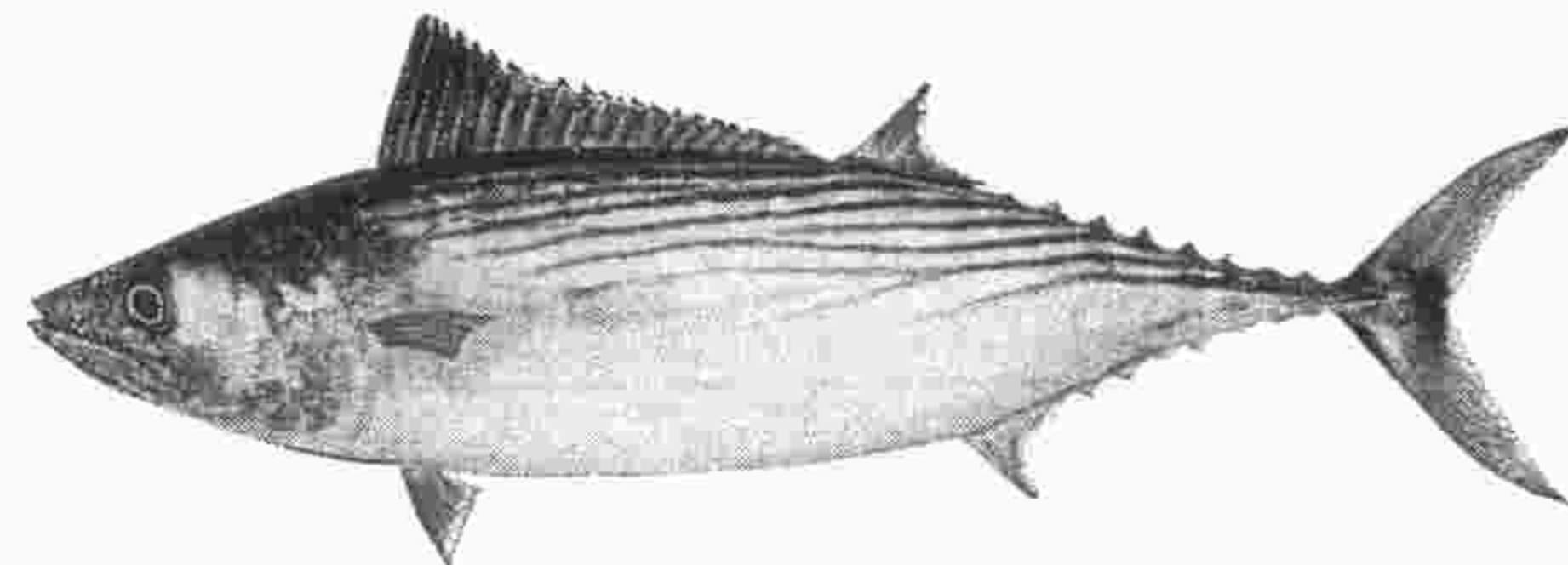
WHITE SEA BASS
Record Weight 77 lbs. 4 oz.



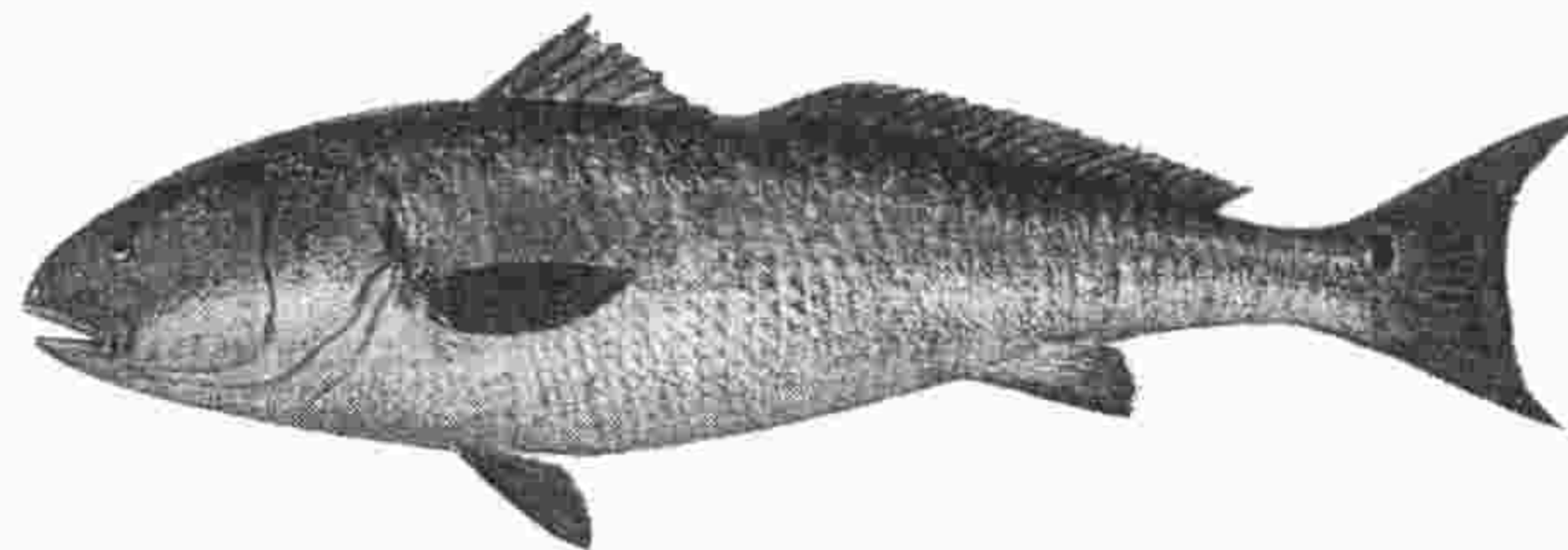
FLOUNDER
Record Weight 20 lbs.



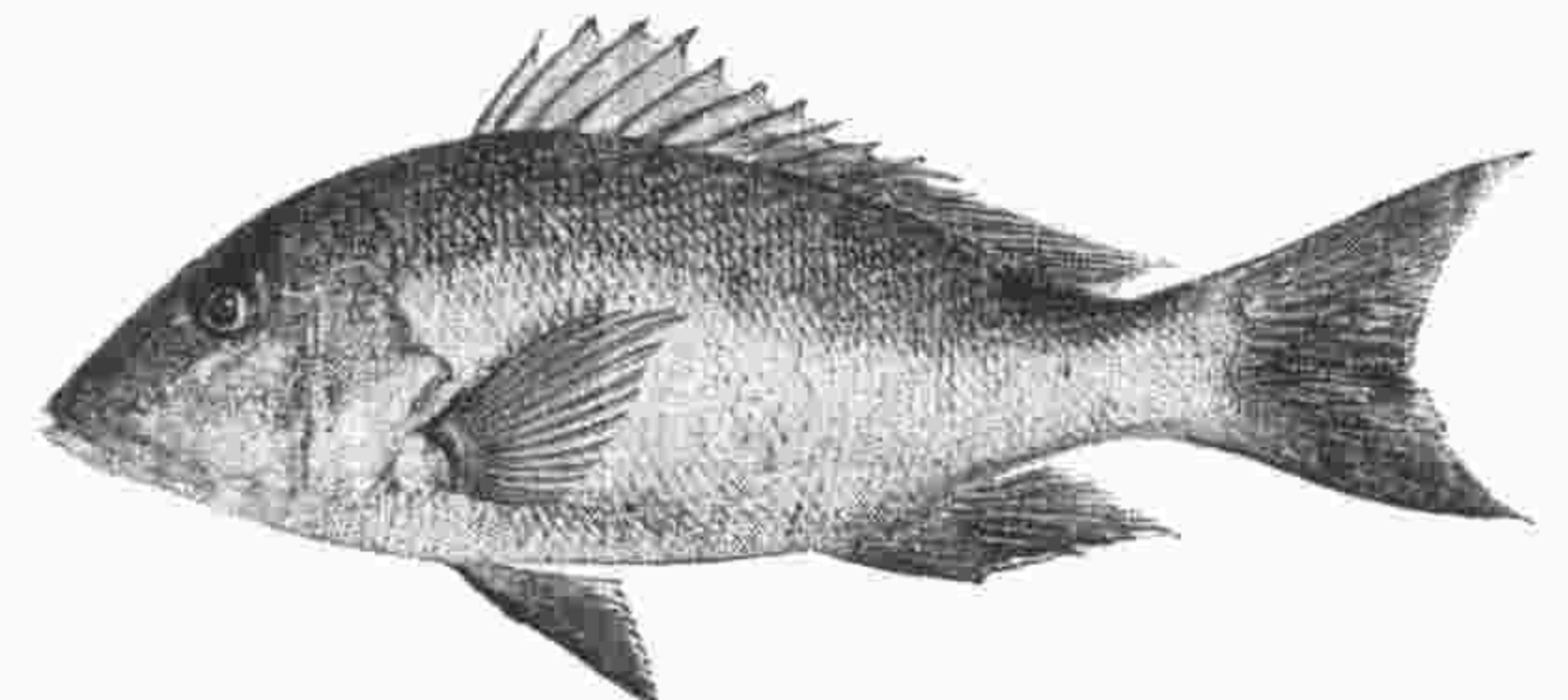
CORBINA
Record Weight 9 lbs.



BONITO
Record Weight 31 lbs. 8 oz.

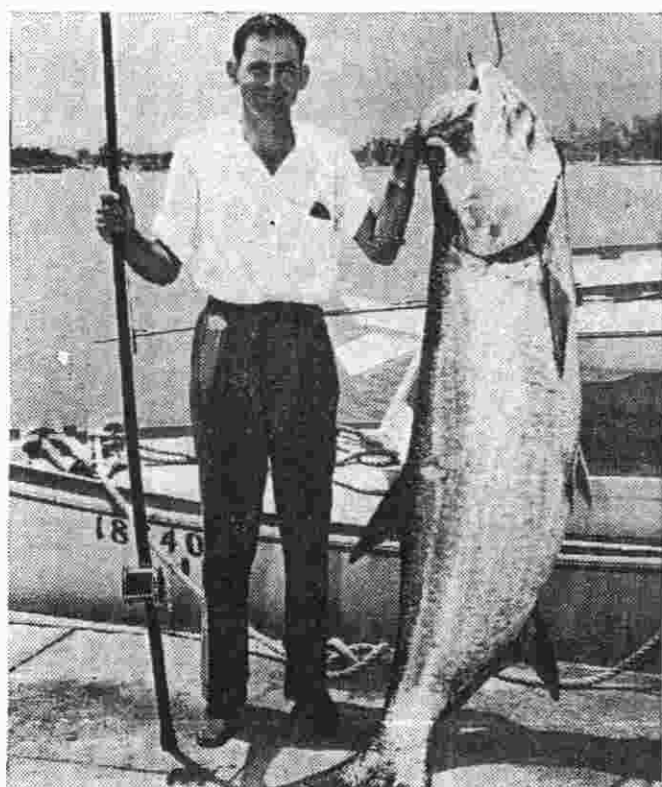


CHANNEL BASS (Red Drum)
Record Weight 83 lbs.



RED SNAPPER
Record Weight 12 lbs.

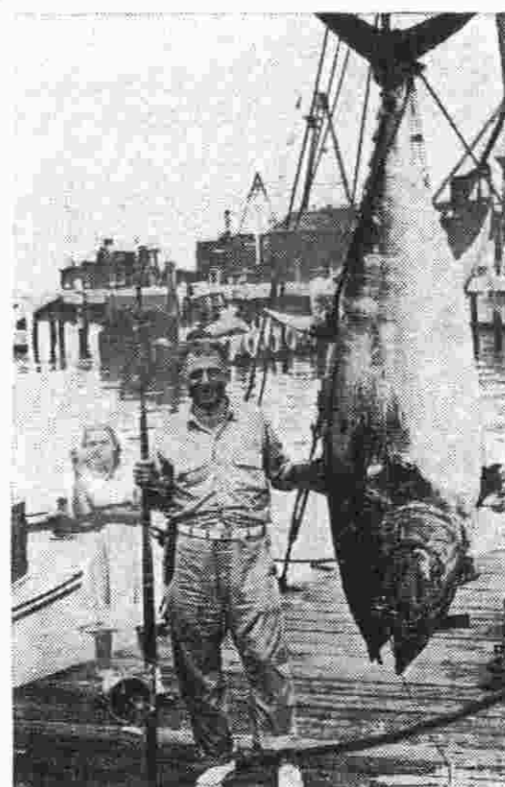
Penn Reel Catches



Rex Cole, Jr., of St. Petersburg, Florida, won the grand award in the 1949 Tarpon Round-Up with this 153-lb. Tarpon, taken with a Penn 4/0 Senator Reel.



Harry K. Bowden of Norfolk, Virginia, and his Penn Surfmaster Reel, was all that was needed to land this huge Channel Bass.



650-lb. Blue Fin Tuna caught by O. F. Willhelm of New London, Connecticut, off Watch Hill, Rhode Island, with a Penn Senator 14/0 Reel.



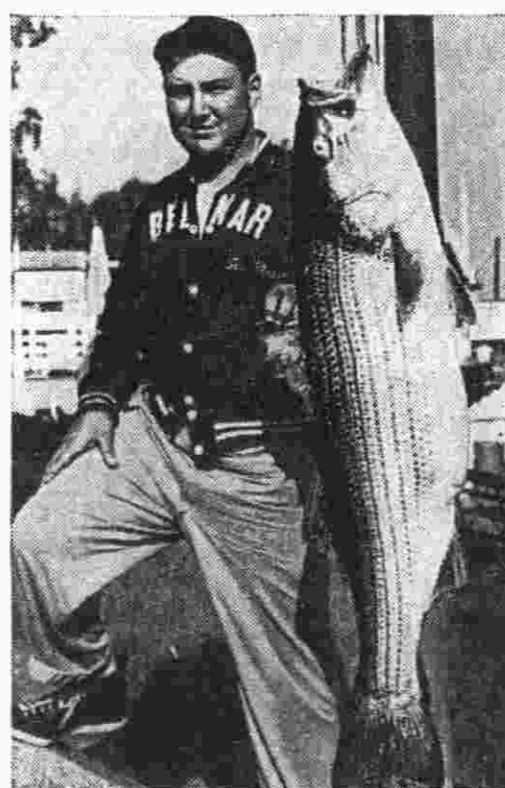
Capt. Perez W. Pottgether, U. S. Marine Corps, at Balboa, C. Z., came very close to a world record catch with this 95 1/4-lb. Amberjack. The Captain praised the performance of his Penn No. 68 Long Beach Reel which he used in landing his fish.



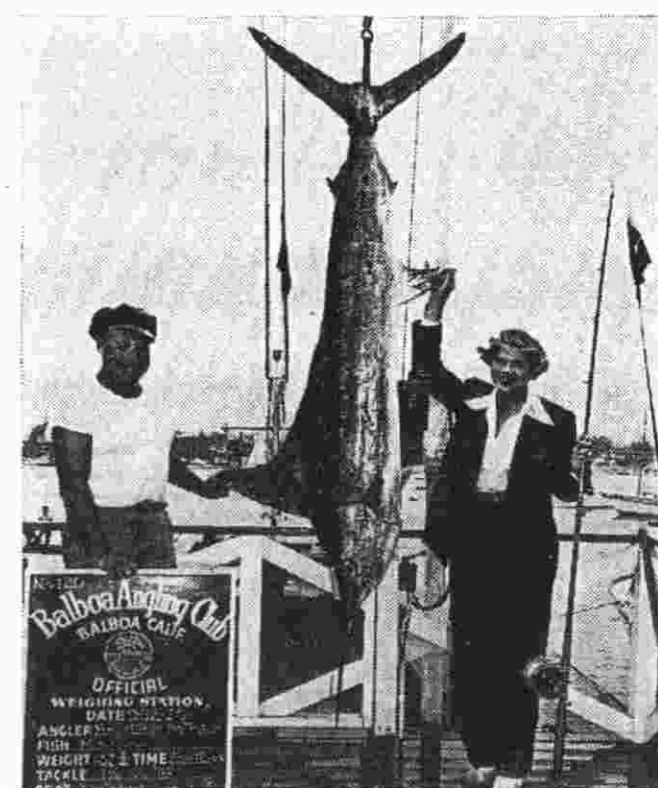
Jack Donahue, with extremely lightweight tackle, landed this 432-lb. Giant Sea Bass at Coronado Islands, Mexico, using a 3/0 Penn Senator Reel, 36-lb. test line and 1/0 hook.



Two beauties: The 1950 Lady Champion of the Acapulco, Mexico, Tournament and the sailfish that won her this honor, with the help of a Penn Senator Reel.



Surf fishing can bring amazing results as Sylvester Di Stasio proved when landing this 51-lb. Striped Bass with a Penn Squidder Reel, near Sea Bright, New Jersey.

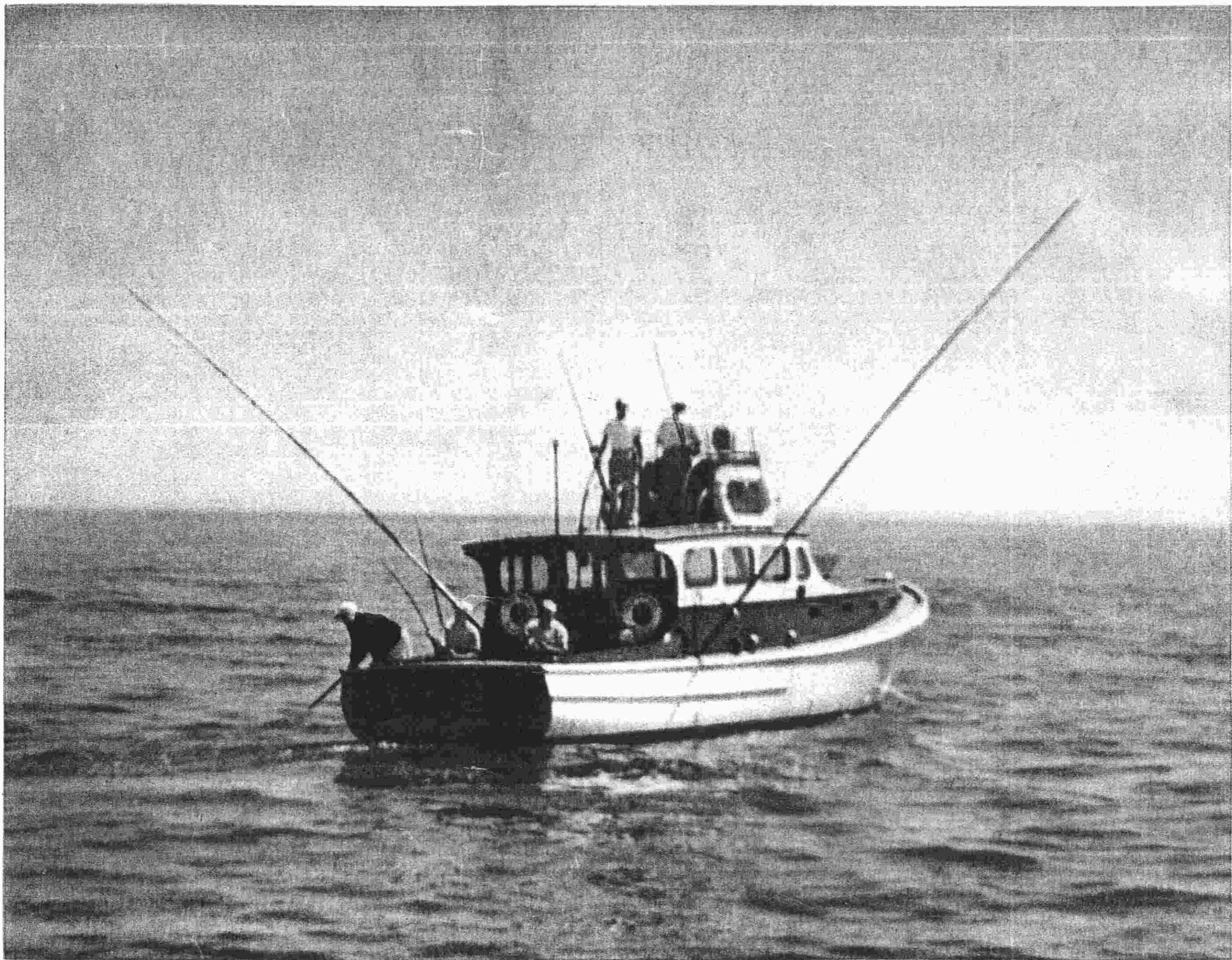


Mrs. Huber Kalbach, can well be proud of this 137 3/4-lb. Marlin which she caught with the help of a 9/0 Penn Senator Reel. The skipper is Capt. Johnson of the Dolphin.

WORLD'S RECORD SALT WATER GAME FISH

| FISH | ALL TACKLE MEN'S RECORD | | | | | | | ALL TACKLE WOMEN'S RECORD | | | | | | |
|----------------------------|-------------------------|-----------------|-------------|------------------------------------|--------------------------------|-------------------------------|---------------------------|---------------------------|---------|-------|------------------------|----------------|----------------------------|---------------------------|
| | Weight | Length | Girth | Place | Date | Angler | Line Test Class (in lbs.) | Weight | Length | Girth | Place | Date | Angler | Line Test Class (in lbs.) |
| ALBACORE | 66 lbs. 4 oz. | ..... | .... | Catalina, Calif. | 1912 | F. Kelly | 30 | 55¼ lbs. | ..... | .... | Catalina, Calif. | Sept., 1927 | Mrs. L. M. Doxie | 30 |
| AMBERJACK | 106 lbs. | 5' 8½" | 37" | Passagrille, Fla. | Mar. 21, 1937 | H. M. Harker | 80 | 47 lbs. | 3' 11" | 28" | Bimini, B. W. I. | May 26, 1948 | Gladys Gearing | 30 |
| BARRACUDA | 103¼ lbs. | 5½' | 31¼" | West End, B. W. I. | 1932 | C. E. Benet | 80 | 59½ lbs. | 4' 11" | 25½" | Key Largo, Fla. | Sept. 6, 1948 | Charlotte Sibole | 50 |
| BASS (Cal. White Sea) | 77 lbs. 4 oz. | 5' 1" | 33" | San Diego, Calif. | April 1, 1950 | H. P. Bledsoe | 50 | 45 lbs. 4 oz. | 4' 3¾" | 26" | Catalina, Calif. | May 28, 1950 | Mrs. Louise Hopton | 20 |
| BASS (Channel) | 83 lbs. | 4' 4" | 29" | Cape Charles, Va. | Aug. 5, 1949 | Zack Waters, Jr. | 50 | 52 lbs. | 3' 8" | 30" | Cape Charles, Va. | May 31, 1936 | Mrs. R. P. Deubell | 50 |
| BASS (Giant Sea) | 551 lbs. | 8' 4" | .... | Galveston Bay, Texas | June 29, 1937 | G. Pangarakis | 80 | | | | | | | |
| BASS (Giant Black Sea) | 306 lbs. | ..... | .... | Catalina, Calif. | Sept. 4, 1935 | S. Bagby | 30 | 256 lbs. | 6' 2" | .... | Coronado Is., Calif. | May 9, 1950 | Effie M. Seifried | 80 |
| BASS (Striped) | 73 lbs. | 5' | 30½" | Vineyard Sound, Mass. | Aug. 17, 1913 | C. B. Church | 50 | | | | | | | |
| BLUEFISH | 14 lbs. 11¼ oz. | 36¾" | 18" | Barnegat Jetties, N. J. | July 29, 1950 | R. B. Rothschild | 12 | | | | | | | |
| BONEFISH | 16 lbs. | 3' 2" | 17½" | West Molokai, T. H. | Nov. 30, 1948 | C. M. Cooke III | 50 | 12 lbs. 14½ oz. | 2' 7½" | 18½" | Marathon, Fla. | Jan. 31, 1950 | Mrs. Grace Tauck | 20 |
| BONITO (Oceanic) | 31 lbs. 8 oz. | 2' 11" | 26" | Miami Beach, Fla. | Jan. 8, 1949 | R. Lindquist | 80 | | | | | | | |
| COBIA | 102 lbs. | 5' 10" | 34" | Cape Charles, Va. | July 3, 1938 | J. E. Stansbury | 130 | 81½ lbs. | 5' 11" | 30" | Ft. Pierce Inlet, Fla. | June 19, 1947 | Mrs. Robert Graves | 80 |
| COD | 57 lbs. 8 oz. | 4' 8" | .... | New York | Dec. 24, 1949 | J. Rzeszewicz | 50 | | | | | | | |
| DOLPHIN | 67½ lbs. | 5' 8½" | 37½" | Waianae, T. H. | Aug. 19, 1940 | F. McNamarra | 130 | 58 lbs. | ..... | .... | Havana, Cuba | May 10, 1941 | Mrs. James Simpson Jr. | 30 |
| DRUM (Black) | 87 lbs. 8 oz. | 4' 4" | 36" | Cape Charles, Va. | May 6, 1950 | Mrs. H. A. Bradley, Jr. | 50 | 87 lbs. 8 oz. | 4' 4" | 36" | Cape Charles, Va. | May 6, 1950 | Mrs. H. A. Bradley, Jr. | 50 |
| FLOUNDER (Summer) | 20 lbs. | 3' 1" | 32" | Oak Beach, N. Y. | Sept. 7, 1948 | F. H. Kessel | 20 | | | | | | | |
| KINGFISH or MACKEREL | 73½ lbs. | 5' 2" | 32" | Bimini, B. W. I. | Feb., 1935 | L. B. Harrison | 180 | 45 lbs. | 4' 7" | 24" | Bimini, B. W. I. | June 1, 1949 | Mrs. Ann Fischetti | 80 |
| MARLIN (Blue) | 742 lbs. | 12' 10½" | 68" | Bimini, B. W. I. | June 19, 1949 | Aksel Wichfeld | 130 | 730 lbs. | ..... | 60¾" | Cat Cay, B. W. I. | June 6, 1939 | Mrs. Henry Sears | 80 |
| MARLIN (Pacific Black) | 976 lbs. | 12' 8" | 74" | New Zealand | Feb. 25, 1926 | L. Mitchell | 130 | 846 lbs. | 13' 10" | 66" | New Zealand | Feb. 14, 1950 | Mrs. A. V. Brownson | 130 |
| MARLIN (Silver) | 618 lbs. | 11' 6" | 62" | Tahiti | March, 1930 | Zane Grey | 130 | | | | | | | |
| MARLIN (Striped) | 692 lbs. | 13' 5" | .... | Balboa, Calif. | Aug. 18, 1931 | A. Hamann | 80 | 403 lbs. | 10' | 52¼" | Tocopilla, Chile | June 21, 1940 | Mrs. Michael Lerner | 130 |
| MARLIN (White) | 161 lbs. | 8' 8" | 33" | Miami Beach, Fla. | Mar. 20, 1938 | L. F. Hooper | 80 | 152 lbs. | 8' 3" | 40" | Bimini, B. W. I. | Mar. 14, 1936 | Mrs. Marion Stevens | 130 |
| PERMIT | 39 lbs. 8 oz. | 3' 5" 3' 3¼" | 32" 29½" | Bimini, B. W. I. Long Key, Fla. | Mar. 4, 1947 Sept. 22, 1946 | E. T. Ragsdale H. P. Clark | 30 50 | 30½ lbs. | 3' 3" | 25" | Boca Grande, Fla. | June 27, 1946 | Mrs. Milton Gordon | 50 |
| POLLACK | 16 lbs. | 2' 10" | 21" | Watch Hill, R. I. | June 20, 1950 | G. A. Albrecht | 12 | | | | | | | |
| SAILFISH (Atlantic) | 123 lbs. | 10' 4" | 32¾" | B. W. I. | April 25, 1950 | H. Teetor | 50 | 104½ lbs. | 7' 11" | 31" | Miami Beach, Fla. | Mar. 22, 1939 | Ruth Edmands | 80 |
| SAILFISH (Pacific) | 221 lbs. | 10' 9" | .... | Galapagos Is. | Feb. 12, 1947 | C. W. Stewart | 130 | 192 lbs. | 10' 5" | 40½" | La Paz, Mexico | Sept. 6, 1950 | Gay Thomas | 50 |
| SAWFISH | 736 lbs. | 14' 7" | .... | Galveston, Texas | Sept. 4, 1938 | G. Pangarakis | 130 | | | | | | | |
| SHARK (Mako) | 1000 lbs. | 12' | .... | New Zealand | Mar. 14, 1943 | B. D. H. Ross | 130 | 647 lbs. | 10' 2½" | .... | Cat Cay, B. W. I. | April 18, 1941 | Mrs. Emory Ford | 130 |
| SHARK (Man-Eater or White) | 1919 lbs. | 14' 8" | 96½" | Australia | May 12, 1941 | G. R. Cowell | 180 | 613 lbs. | 10' 4½" | 61" | Australia | Nov. 30, 1939 | Mrs. G. R. Cowell | 130 |
| SHARK (Porbeagle) | 260 lbs. | 11' 4" | 68¾" | Durban, S. Africa | Feb. 5, 1949 | J. L. Daniel | 80 | | | | | | | |
| SHARK (Thresher) | 922 lbs. | ..... | .... | New Zealand | Mar. 21, 1937 | W. W. Dowding | 130 | | | | | | | |
| SHARK (Tiger) | 1382 lbs. | 13' 10" | 93" | Australia | Feb. 22, 1939 | L. Bagnard | 130 | | | | | | | |
| SNOOK or ROBALO | 50½ lbs. | 4' 7" | .... | Canal Zone | Jan. 2, 1944 | J. W. Anderson | 130 | 26 lbs. 2 oz. | 3' 4¾" | 23¼" | Miami Beach, Fla. | June 20, 1949 | Mrs. D. L. Medrano | 30 |
| SWORDFISH | 860 lbs. | 13' 9" | 70" | Tocopilla, Chile | April 28, 1940 | W. E. S. Toker | 130 | 659 lbs. | 13' | 62" | Tocopilla, Chile | June 12, 1941 | Mrs. S. K. Farrington, Jr. | 80 |
| TARPON | 247 lbs. | 7' 5½" | .... | Mexico | Mar. 24, 1938 | H. W. Sedgwick | 130 | 187 lbs. | 7' | 44½" | Boca Grande, Fla. | Jan. 24, 1943 | Mrs. A. J. Drexel | 80 |
| TUNA (Allison) | 265 lbs. | 6' 1" | 53" | Makua, T. H. | July 31, 1937 | J. W. Harvey | 80 | 184½ lbs. | ..... | .... | Waianae, T. H. | Oct. 21, 1939 | Mrs. C. M. Cooke III | 130 |
| TUNA (Bluefin) | 977 lbs. | 9' 8" | 94½" | St. Ann Bay, N. S. | Sept. 4, 1950 | D. McI. Hodgson | 130 | 882 lbs. | 9' 2" | 83.5" | Wedgeport, N. S. | Sept. 6, 1947 | Mrs. B. D. Crowninshield | 130 |
| WAHOO | 133½ lbs. | 6' 11" | 31" | Green Cay, B. W. I. | April 24, 1943 | K. L. Ames, Jr. | 80 | 110 lbs. | 6' | 29" | Walker Cay, B.W.I. | April 1, 1941 | Mrs. B. D. Crowninshield | 130 |
| WEAKFISH | 17 lbs. 8 oz. | 3' 10" | 19" | Mullica River, N. J. | Sept. 30, 1944 | A. Weisbecker, Jr. | 50 | | | | | | | |
| WEAKFISH (Spotted) | 15 lbs. 3 oz. | 2' 10½" | 20½" | Fort Pierce, Fla. | Jan. 13, 1949 | C. W. Hubbard | 50 | 10 lbs. | 2' 6" | 18" | Pellicer Creek, Fla. | Feb. 25, 1950 | Mrs. Bertram Lee | 20 |
| YELLOWTAIL | 90 lbs. | 4' 11" | 35½" | La Paz, Mexico | June 25, 1948 | F. Hickey | 80 | 38 lbs. | 4' | 24" | Australia | Mar. 5, 1950 | Mrs. R. Duncan | 50 |

Record supplied by International Game Fish Association. Corrected to September 15, 1950.



Penn Reels