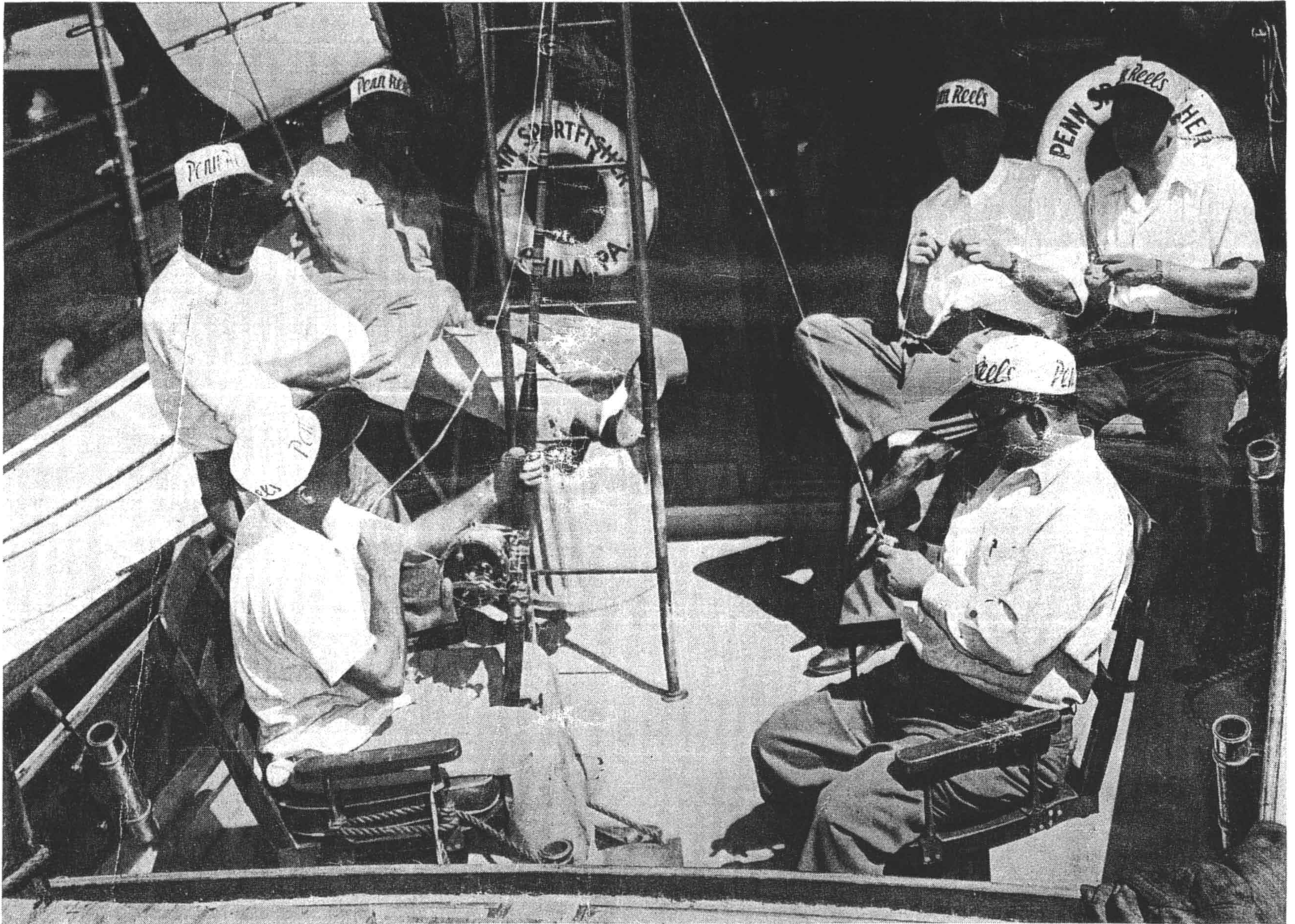


PENN REELS

CATALOG
No.15

ABOARD THE PENN SPORTFISHER



Now you're in the cockpit of the Penn Sportfisher, our company owned boat shown on the catalog cover. If you could hear these fellows "shooting the breeze," you'd hear some pretty fancy stories about fishing. For they are all rabid anglers. The late Otto Henze, founder of Penn, is shown explaining the features of a famous Penn Senator Reel. Soon after this picture was taken, the Sportfisher shoved off for the Atlantic Tuna Tournament at Freeport, Long Island.

THE REELS of CHAMPIONS



*G*REETINGS to all fishermen from the folks who make your reels! We're happy to put our new catalog into your hands, and are sure that you will find lots of good information in it. Much of this data has been assembled over the years at the suggestion of our many fishing friends, and has been both interesting and instructive.

Sport fishing today tops everything else for fun and relaxation, and it is far from being a man's game. Women are not only competing by the thousands, but are walking off with some of the record catches. Our congratulations to the ladies. Because of our common interest in this great sport (yes, we're fishermen, too) we feel very close to the users of our product and invite correspondence on any question at any time.

In selecting an appropriate illustration for the cover of our new catalog, we have shown the Penn Sportfisher in action in the Atlantic. This company owned boat is really a "testing laboratory" for Penn Reels. Before a Penn Reel ever reaches you, it is proven by the most rigid tests in hard service, by the men who actually make it. Quality control and performance checks explain the dependability of all Penn Reels.

We are proud to offer for your selection a line of thirty-eight models, each available for either right or left-handed fishermen. Some models are entirely new. Others have been improved during the past year. And of course improvements are constantly being made, just as fast as they are developed.

Because of its widespread popularity, we have retained the special "data" section so interesting to all fishermen.

During the past year, a number of new records have been established by users of Penn Reels, and scores of spectacular catches, short of records, have been reported. So we can say that "Penn Reels are the Reels of Champions."

Choose your Penn Reel carefully. Use it often. Enjoy it to the utmost. Good luck and good fishing.

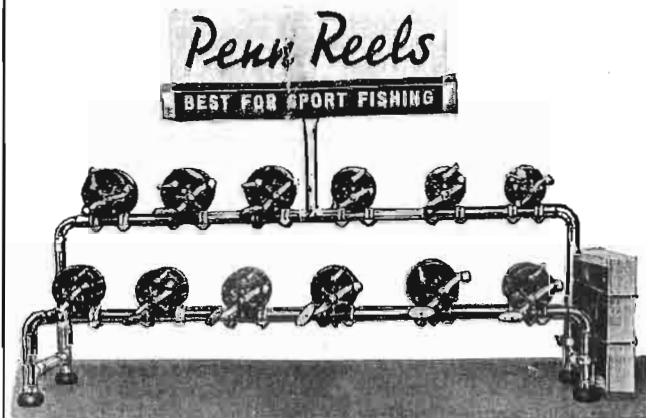
Ernest Haecker
ERNEST HAECKER,
General Manager.



SELECTION OF REELS MADE EASY BY PENN

After selecting your reel from this catalog, look for it at your dealer's store prominently displayed on the attractive Penn Reel Display Stand.

This display was created by Penn so that fishermen could leisurely inspect the finished product, and make comparisons. Penn Dealers are always happy to help you make the proper selection.



"FAIR TRADE LAW"

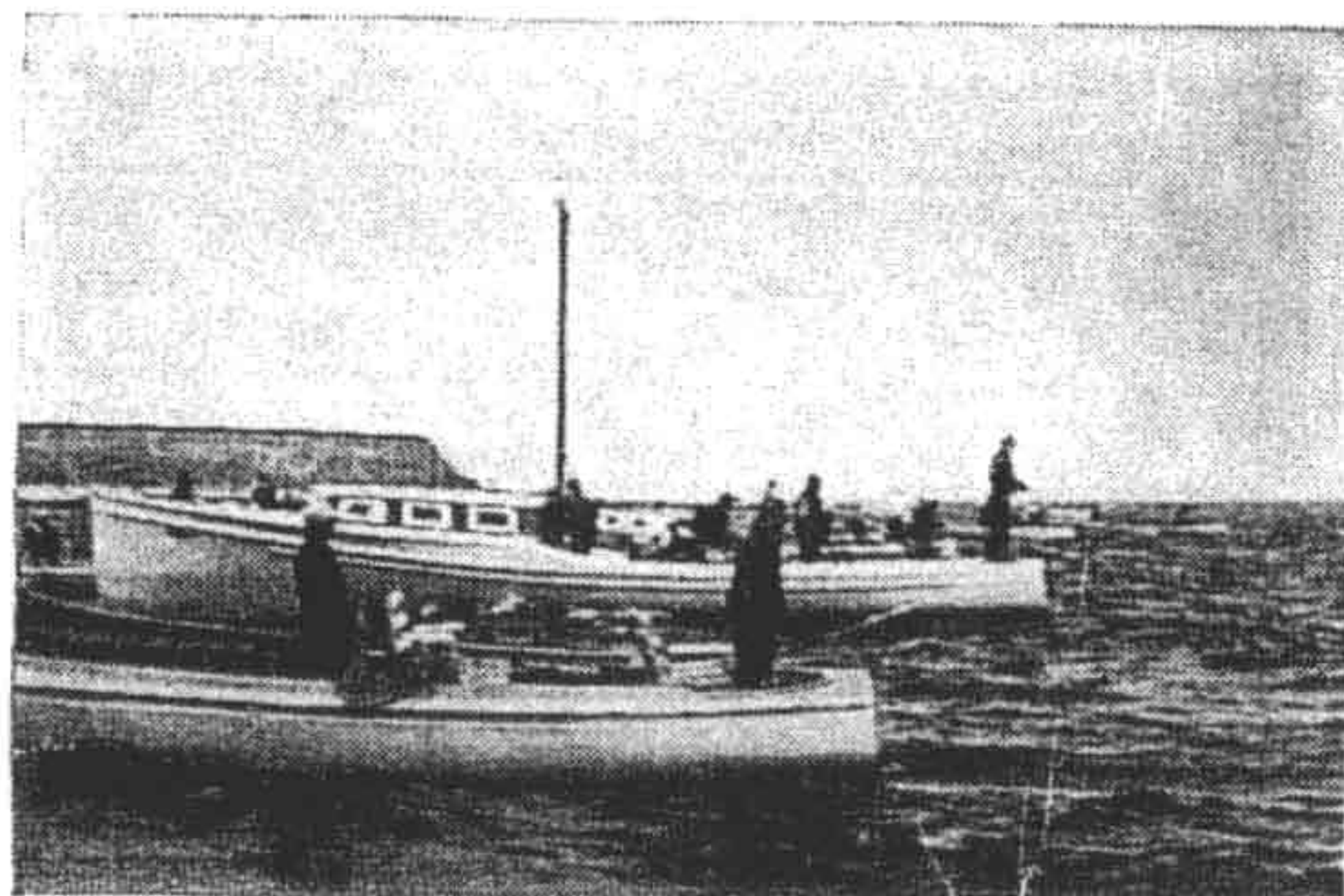
Your Guarantee of "A FAIR DEAL"

All Penn Reel Prices listed in this catalog are registered under the FAIR TRADE LAW. Every Penn Reel Dealer is bound by this Law to sell Penn Reels at CATALOG PRICE ONLY. 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

Our Motto: Lowest Prices, Highest Quality, Best Service

Sport Fishing



THE SEA BECKONS

All along the Atlantic, Gulf and Pacific coast of our continent countless thousands of anglers enjoy the sport of salt water fishing. Indeed our coastal waters offer a variety of fishing superior to any throughout the world. From the small pan fish to the big game fish, from the cold water fish to the tropical species (see page 29), they all roam

our waters to furnish exciting and healthful sport. Be it fishing the bays and inlets, or casting into the surf, or deep sea fishing, or trolling offshore for big game fish, there are many favored spots along our shores, which truly can be called the angler's Paradise.

THE MOST ANCIENT SPORT

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

TAKE A BOY FISHING

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

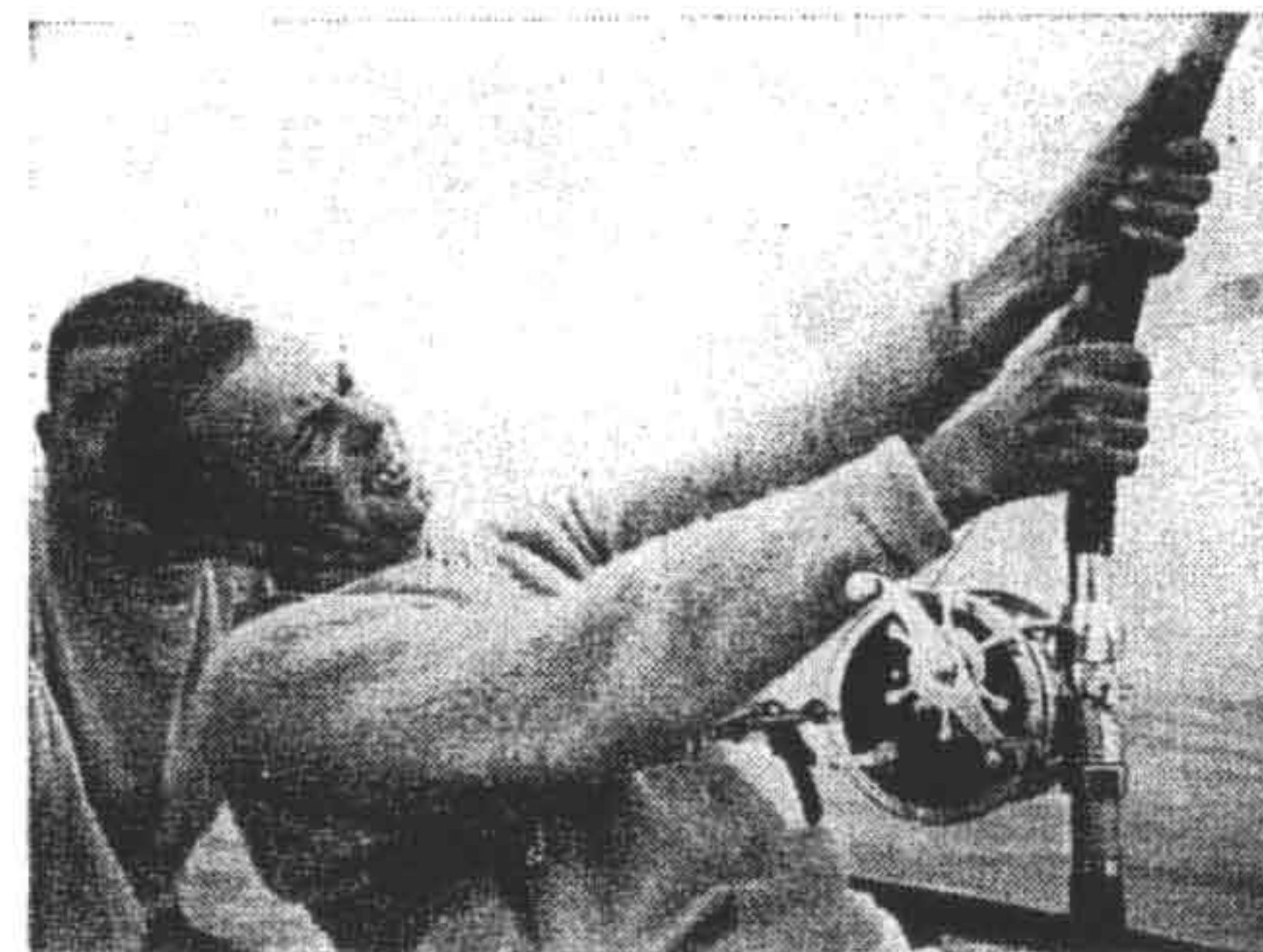
FISH FOR THE SPORT

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



Trolling

THE THRILL OF GAME FISHING

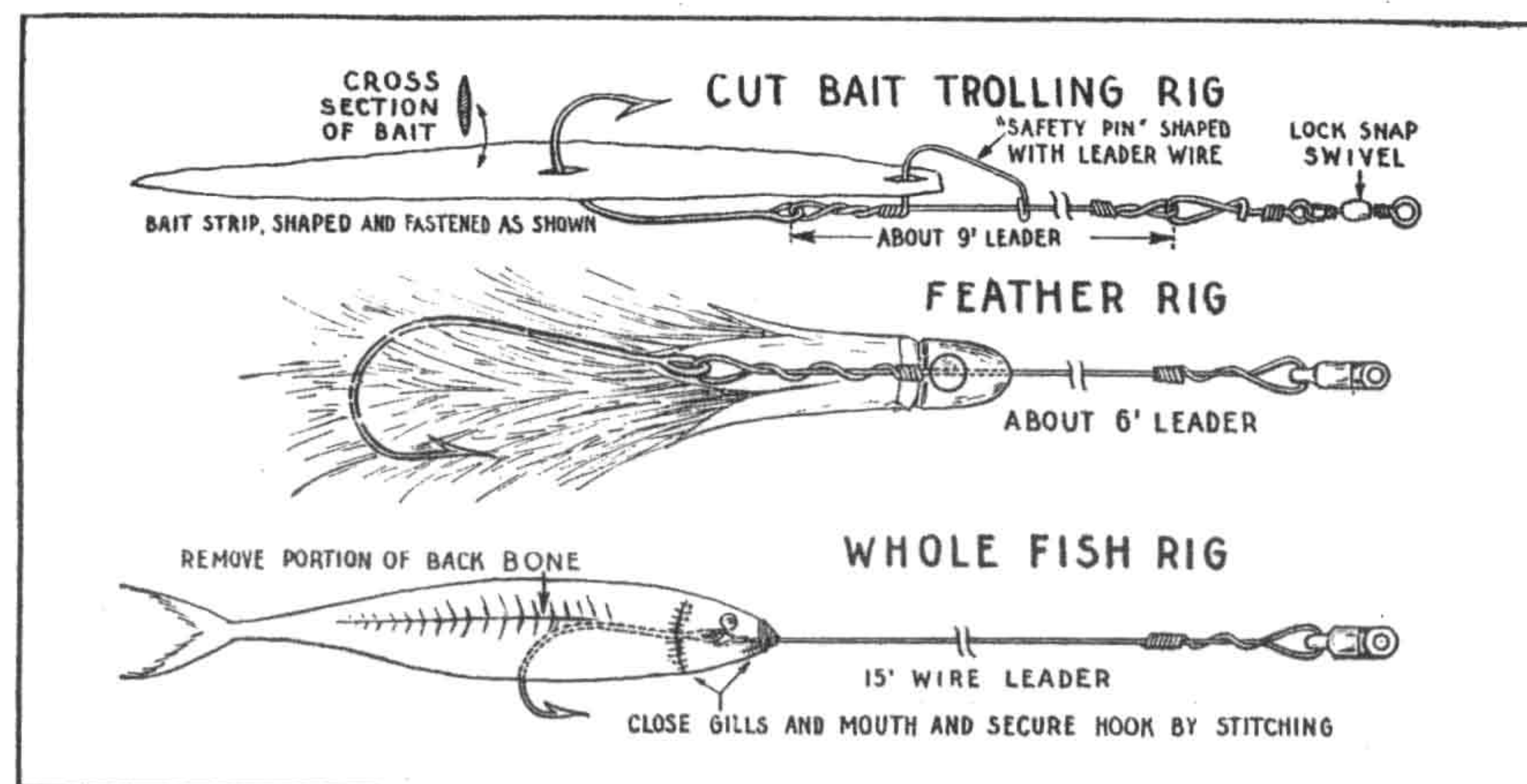


To battle the terrific rushes of a powerful game fish is the fulfillment of a lifetime dream of every fisherman, and will truly provide the angler with never-to-be-forgotten thrills. Whether it be Sailfish, Marlin, Tuna or Swordfish, the anxious moments of the strike, the hard give and take battle following, matching your strength and wits against the mad and untiring efforts of the fish trying to gain freedom; and finally, when you are ready to admit defeat, the successful boating of the fish all provide the angler with thrills not to be experienced in any other kind of fishing.

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

The suggestions in the tackle chart on page 17 are not made to put down any law, but solely governed by the ethics of good sportsmanship and to deliver the utmost thrill in this sport. The tackle specifications in this chart are not intended to conflict with any existing rules of fishing clubs nor to belittle the spirit of the ultra light tackle enthusiast.

TROLLING RIGS ILLUSTRATION



Bottom Fishing

A GLORIOUS PASTIME

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

Efficient guides take a fisherman offshore and anchor the boat at a likely spot, the so-called grounds. Here is where a variety of fish feed at the bottom, due to certain conditions of the ocean floor, which make these spots natural feeding grounds. Fishing is done by baiting

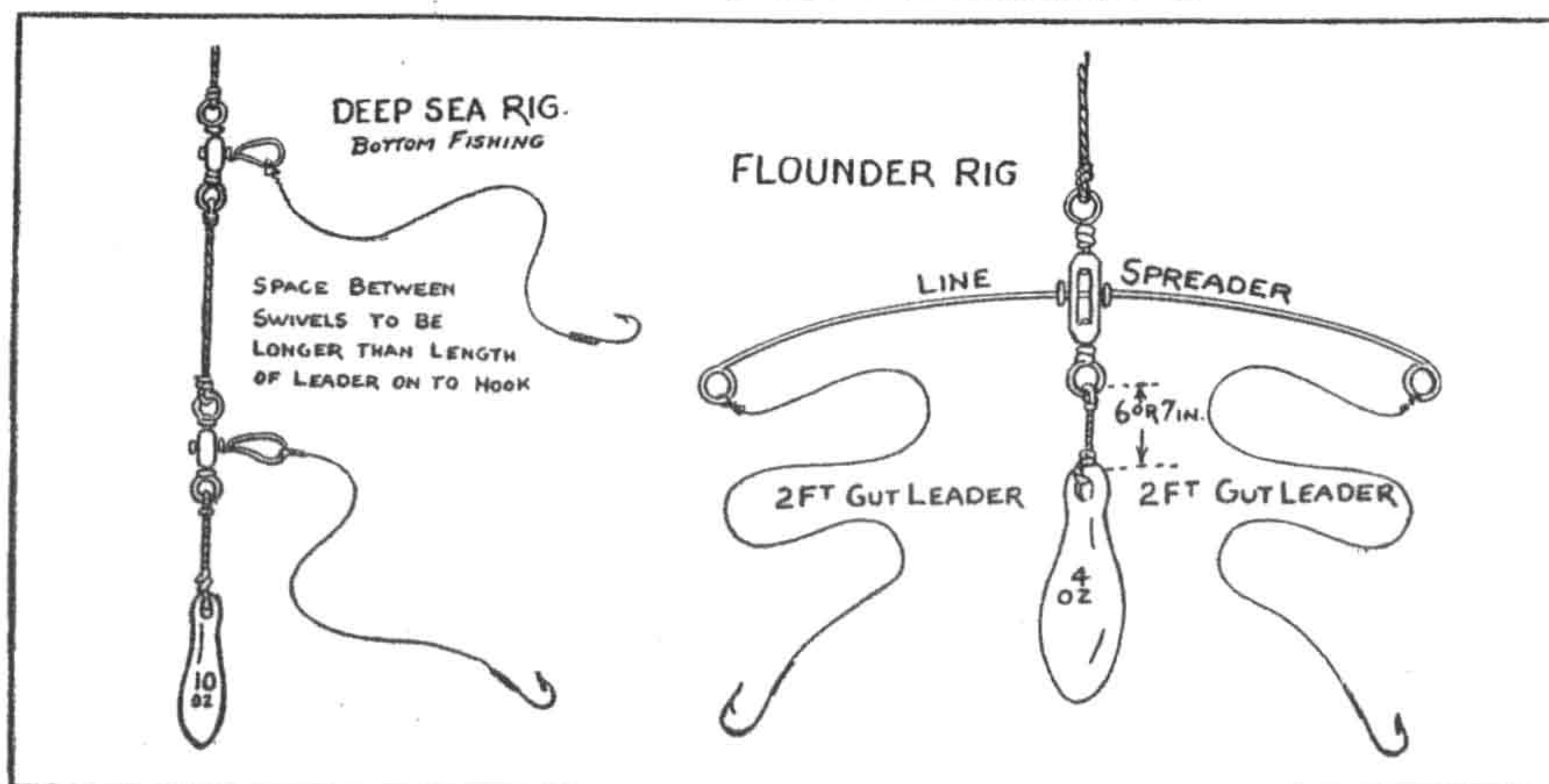


the hook with natural bait and letting the bait sink to the bottom. For this reason a lead sinker of various weight, depending on the depth of the water and the tide running, is attached to the line.

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

On page 13 are shown Deep Sea Reels designed for bottom fishing, especially for deep water fishing. These reels are made in one size only, but in three different styles to meet all requirements. The high gear ratio, providing for speedy action, and the oversize handle with torpedo grip will give the fisherman the utmost satisfaction and we highly recommend these specially designed bottom fishing reels. Also for wire line fishing these reels are excellent.

BOTTOM FISHING RIGS ILLUSTRATION



Bay Fishing

THE LIGHT TACKLE SPORT

To the novice, inshore waters look fishless, but many thousands of anglers enjoy fishing the inlets, bays, channels and creeks from inexpensive rowboats, some of which are powered by out-board or small inboard motors.

In offshore fishing the captain hunts the fish and tells the angler when to drop his line, but in inshore fishing it is usually up to the fisherman himself to find the spots and fish at the right time and tide with suitable baits. Once this experience is gained, the waters are no longer fishless, but furnish almost the year around the sport of catching on light tackle the many species of

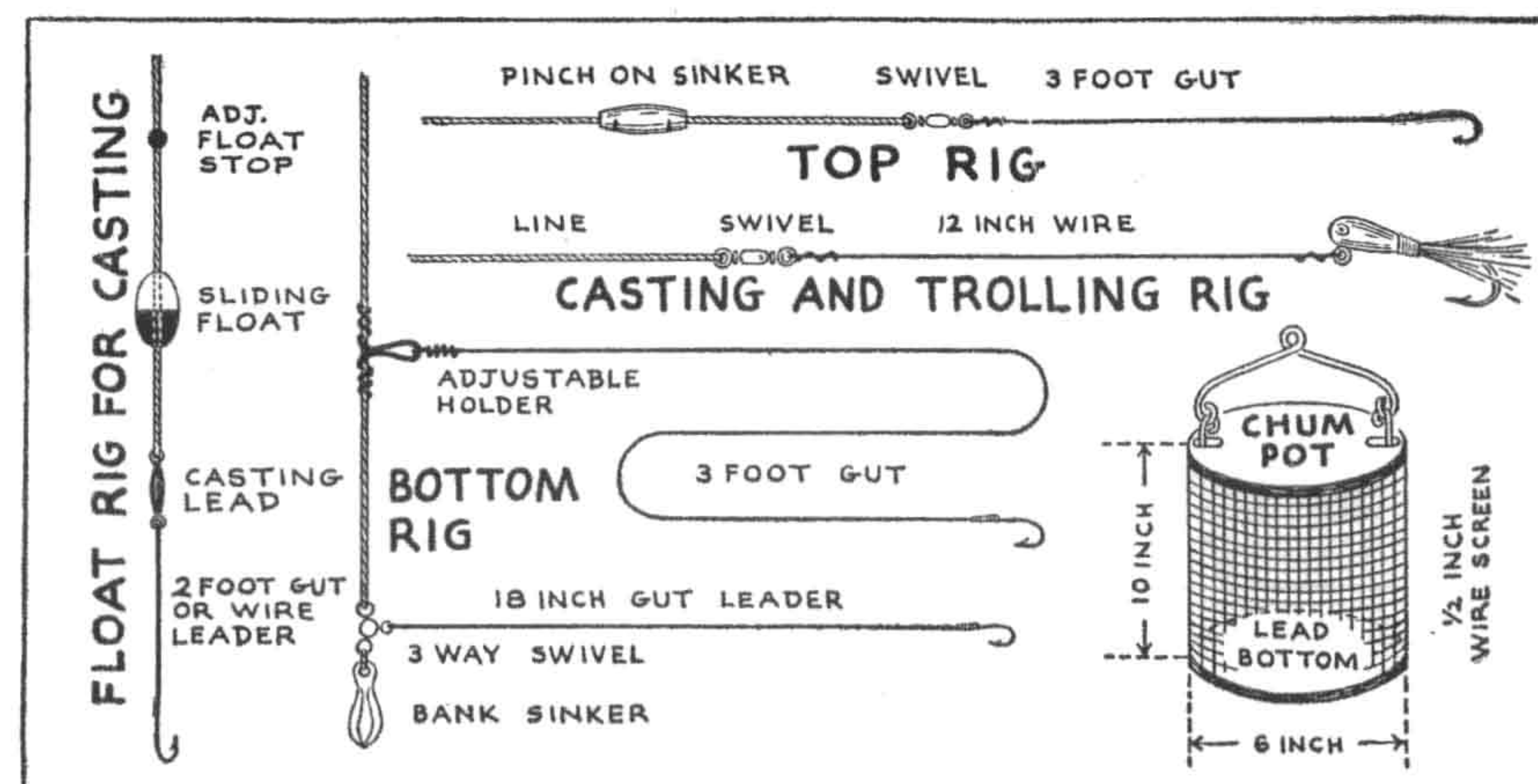


gamey fish, that invade the shallows inshore for feeding and spawning.

Fishing 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 seek the security of shallow water on the rising tide.

The ideal tackle consists of a light steel or bamboo 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 15 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

Surf-fishing or Beach-fishing is one of the oldest ways to fish saltwater. Fishing the ever-pounding, mysterious surf is an exciting, healthful and enjoyable sport and very productive, too, but requires a certain degree of expertness. A variety of fish feed close inshore on the banks, on bars and around rocks where the turbulent surf uncovers food for the fish to feed on. Deep holes, gulleys and sloughs are good places to drop your bait. A long cast is not always necessary, in fact, an over-enthusiastic caster might often drop his bait beyond where the fish are feeding. In bait-fishing, the bait used can be whole or cut fish, crabs, clams, mussel,

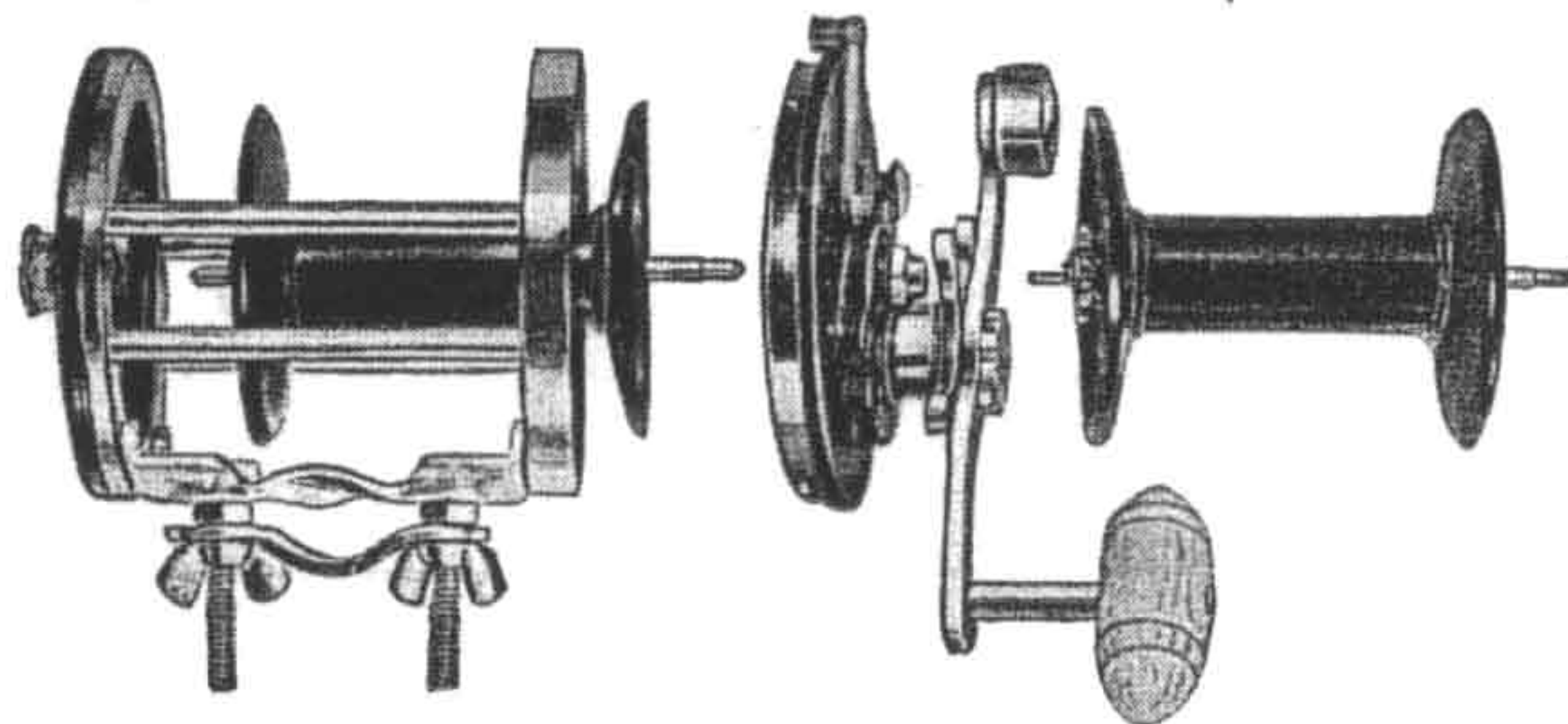
shrimp, squid, worms or any other kind of bait, best results being obtained with fresh bait. A good practice is to reel in your bait several feet every few minutes so the crabs don't get a chance to chew your bait.

SQUIDDING

Not only shore-feeding fish can be caught in the surf, but also gamey 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 and a squidding rod should be lighter and whippier than a bait-casting surf rod.

THE SURF REEL

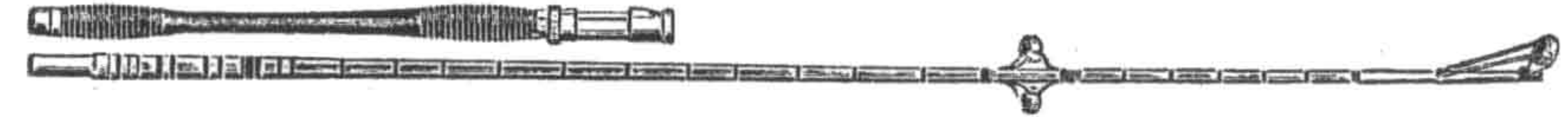
Specially designed surfcasting reels make casting a real pleasure. Fitted with an extra wide spool of small diameter and light weight, these reels take the hard work out of casting, give longer casts and reduce back lashes. A take-apart construction is of advantage in cleaning the reel, as in beach-fishing, 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 gamey 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 sandspike 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

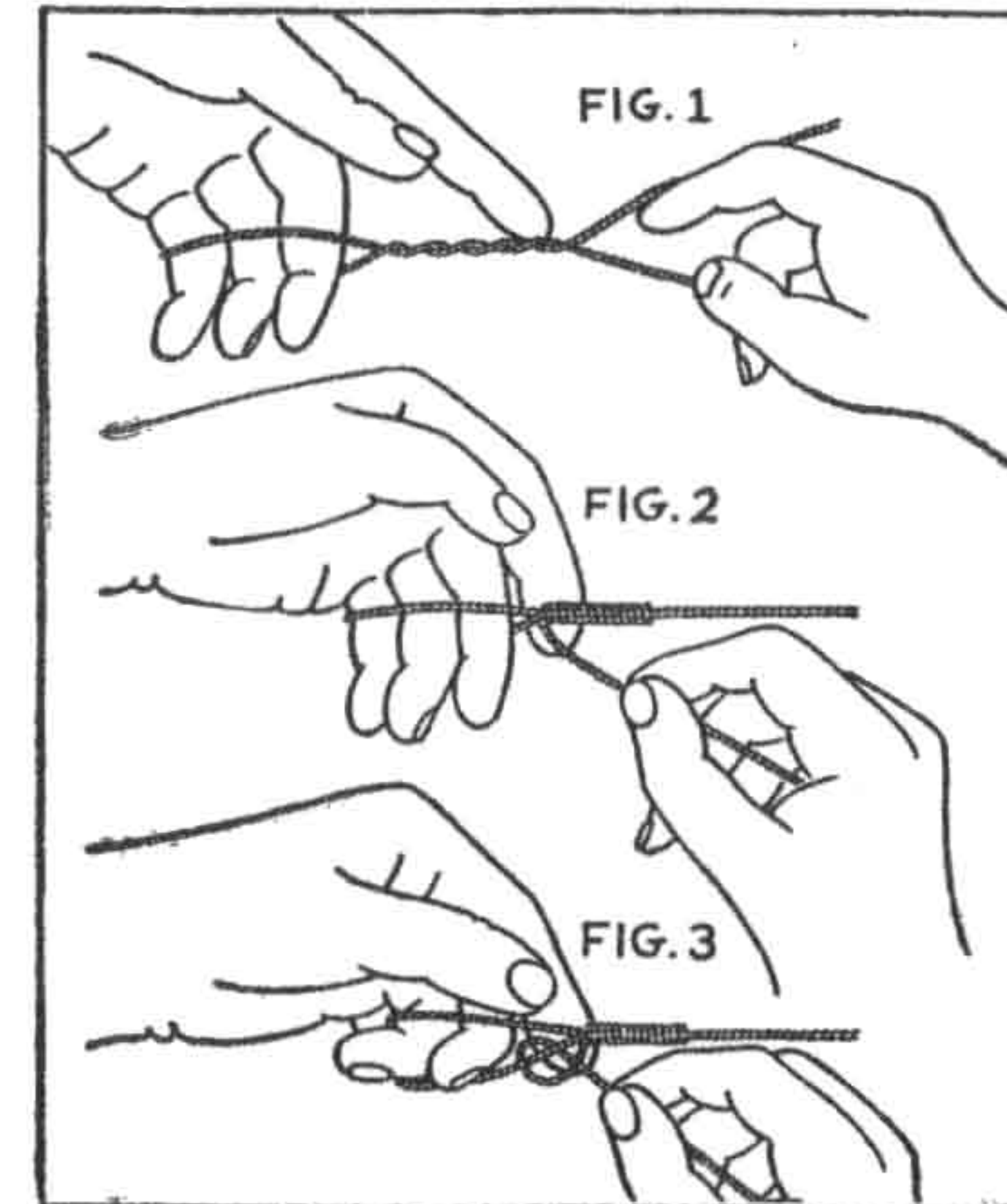
THE SURF ROD



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

The most widely used casting line today 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 leader 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.

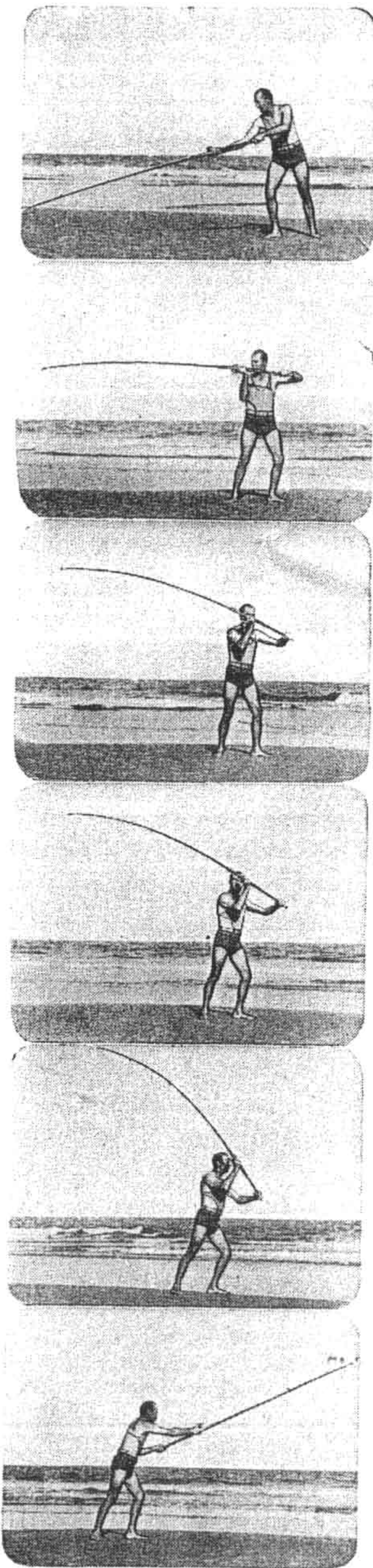
Surf Casting

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 backwards, 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

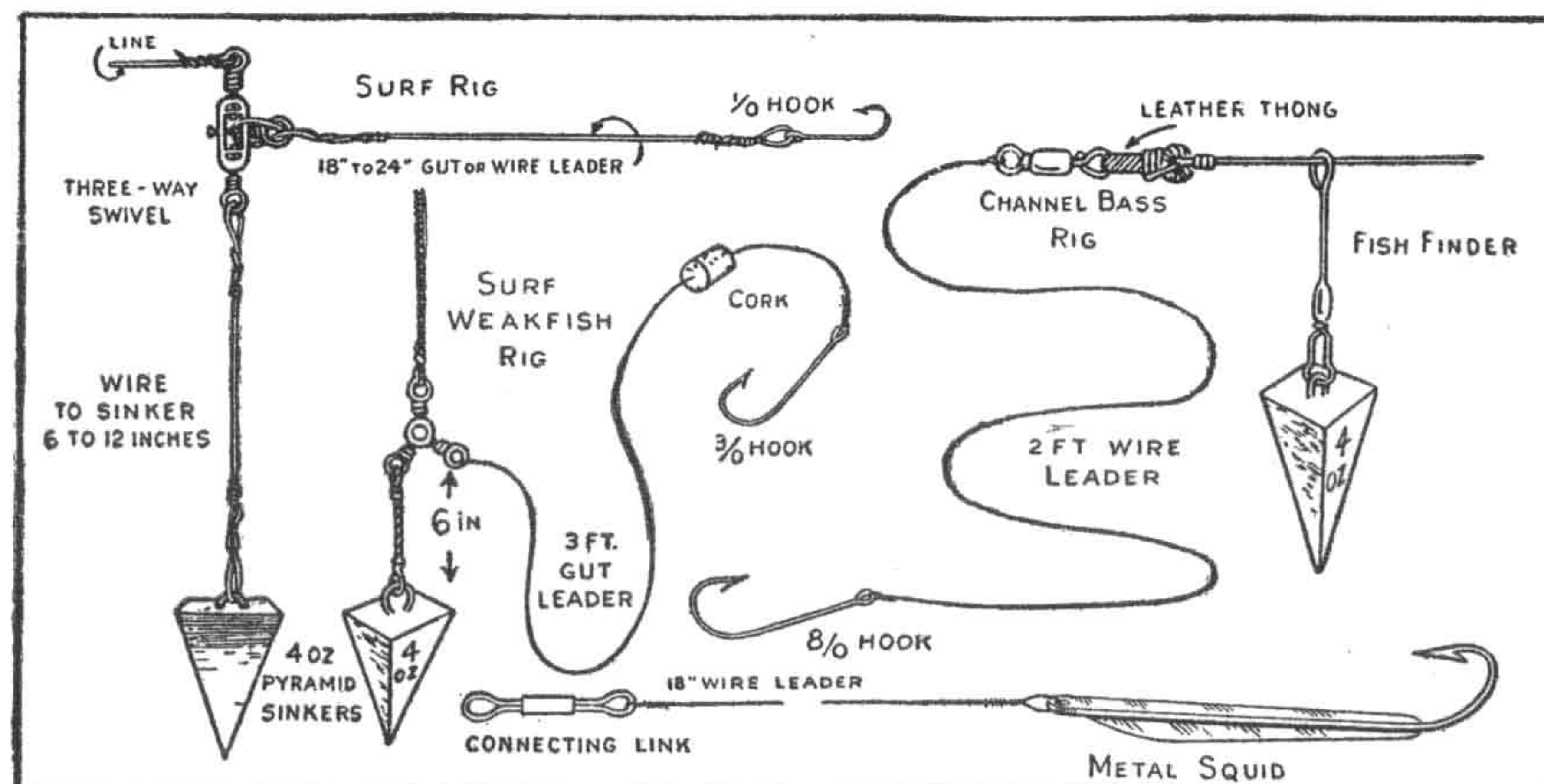
USEFUL TIPS

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 easy when lying on the beach in a 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.

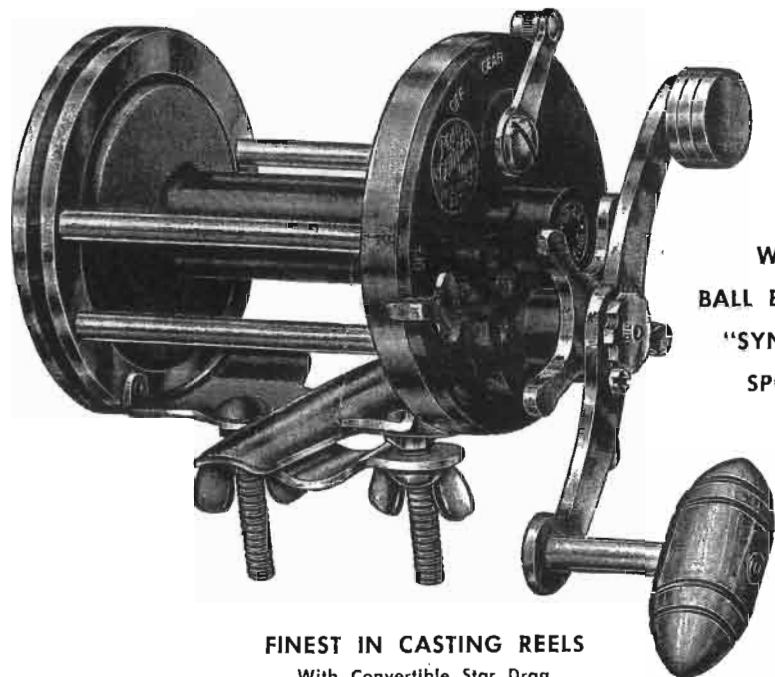
SURF FISHING RIGS ILLUSTRATION





Penn SURF AND SQUIDDING REELS

150-Yd. and 200-Yd. PENN SQUIDDER WITH 2 "AIR BRAKE" SPOOLS



WITH
BALL BEARING
"SYNCRO"
SPOOL

FINEST IN CASTING REELS

With Convertible Star Drag

	Price
No. 140—Cap. 200 yds. No. 9, for medium casting	\$25.00
No. 140LH—Left-hand model	27.00
No. 145—Cap. 150 yds. No. 9, for light casting	24.00
No. 145LH—Left-hand model	26.00

EXTRA SPOOLS

No. 29-140—200-yard spool with air brake fins for 140 reel	\$1.00
No. 29-145—150-yard spool with air brake fins for 145 reel	1.00
No. 29-140—200-yard spool without air brake fins for 140 reel	1.00
No. 29-145—150-yard spool without air brake fins for 145 reel	1.00

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 $2\frac{3}{4}$ " in diameter. Spool width of 200-yd. reel is $2\frac{7}{16}$ ". Spool width of 150-yd. reel is $2\frac{1}{8}$ ".

Description of "PENN SQUIDDER"

This reel is designed by surfmen for surfmen and is the finest in surfcasting reels. Made in 200-yd. size for medium casting and 150-yd. size for light casting. The spool runs in precision built ball-bearings and gets off to a flying start with very little effort. Considering the fact, that at every cast the spool revolves 750 times at a speed of 10,000 revolutions per minute, it is easy to see why the spool bearings are the most important part of the reel. By far the greatest improvement in casting reels is the development of the light-weight spool of small diameter which cuts down the momentum and thereby reduces backlashes. Also, the Squidder spool is equipped with our patented air brake, which further reduces backlashes. The Squidder reel has the quick-to-take-apart feature for cleaning. This reel is fitted with two interchangeable spools allowing the surfman to carry, ready for use, an extra spool of line for quick replacement of a worn line or changing to a different size line without the loss of precious fishing time. Reel is equipped with our patented convertible star drag and can be fished with or without drag at the fisherman's will by the flip of a lever on the front plate. Our attached rod clamp feature insures rigidity of the reel, which is especially helpful when using calcutta rods. The $3\frac{1}{2}$ to 1 gear ratio provides for just the right speed in squidding.

Season's Record Striped Bass 53 lb. 2 oz.



Caught by Andrew Takacs, Yonkers, N. Y., with a Penn Squidder Reel

Mr. Takacs wrote us the following about the performance of his reel:

"This letter is my testimonial to the Penn Squidder Reel, for it was with this reel that I had the pleasure of making my record catch and heartily endorse same to all fellow surf fishermen, for in my most tense moments, I knew my Squidder Reel would not fail me. In my humble opinion, it is tops."

Andrew Takacs

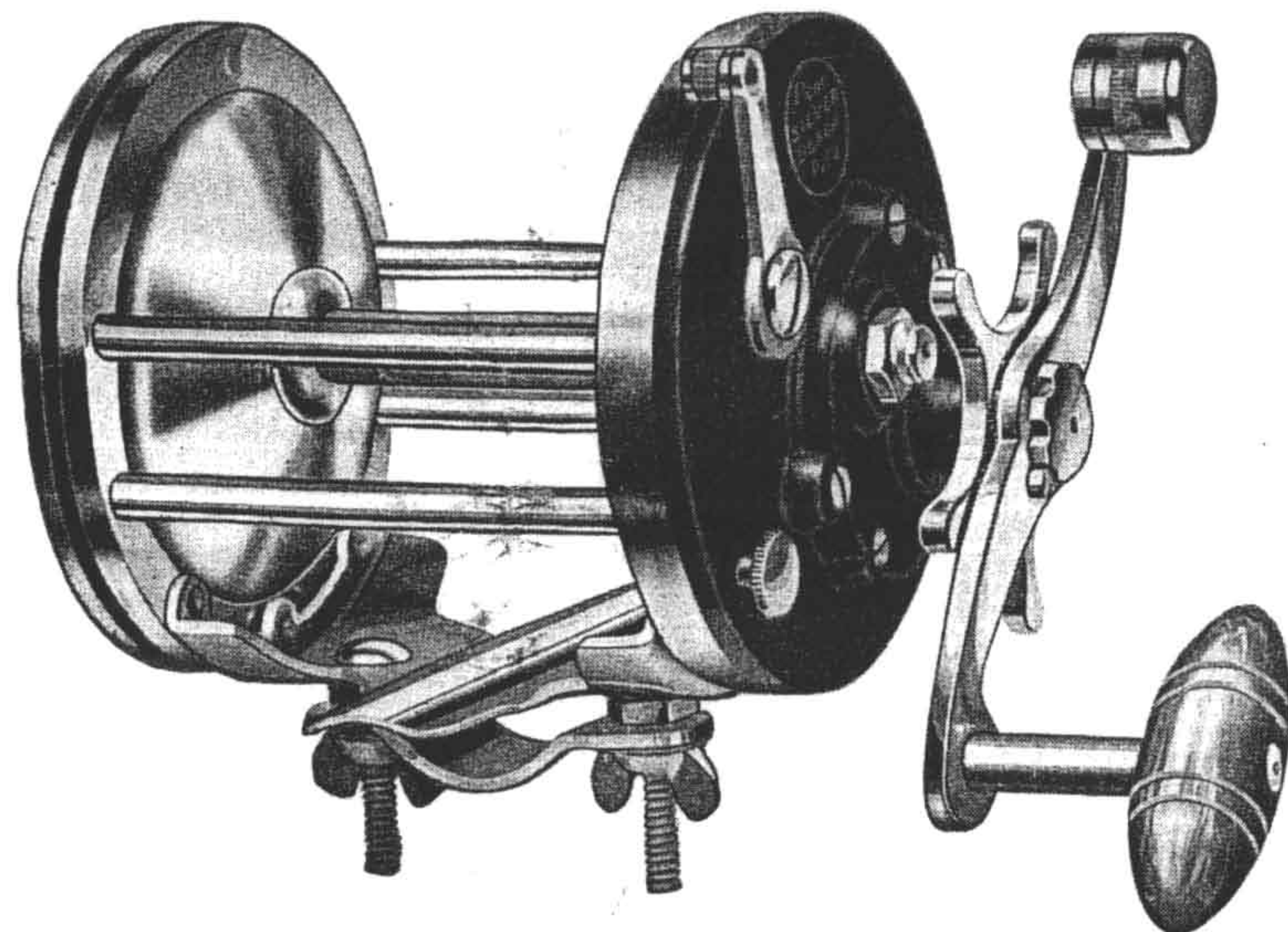
PENN PLASTIC LIGHTWEIGHT SPOOLS ARE EXCELLENT FOR CASTING

WITH EASY-TAKE-APART FEATURE and Extra Interchangeable Spool

200 and 250 Yards

SILVER BEACH

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.

No. 99—With Light-Weight and 1 Metal Spool\$15.00

No. 99LH—Left hand model 16.00

EXTRA SPOOLS

No. 29-99P—Light-Weight Plastic Spool\$ 1.00

No. 29-99M—Heavy-Duty Metal Spool 1.50

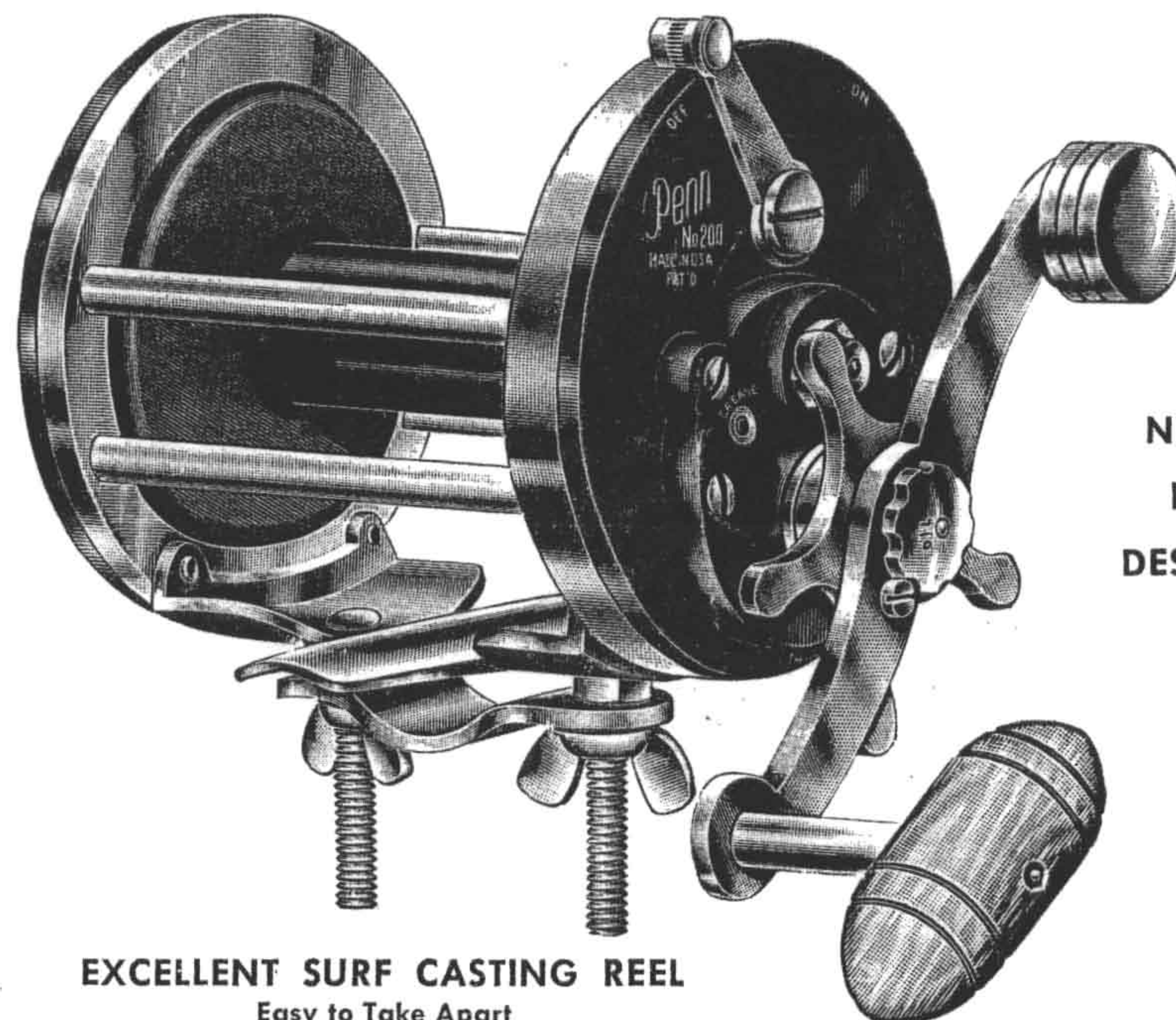
The Silver Beach reel is the perfect all around reel for casting and trolling. This model is equipped with two interchangeable spools, giving the fisherman two different line capacities in one reel. With the lightweight plastic spool the reel has a line capacity of 200 yds. No. 9 and is ideal for surfcasting 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.



100 to 250 Yards

SURFMASTER

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.	\$11.50
No. 150—200 yds. No. 6	Star Drag	Light	$2\frac{3}{4}$ "	$2\frac{1}{8}$ "	16½ oz.	12.50
No. 200—200 yds. No. 9	Star Drag	Medium	$2\frac{3}{4}$ "	$2\frac{7}{8}$ "	17 oz.	13.50
No. 250—200 yds. No. 12	Star Drag	Heavy	$3\frac{1}{8}$ "	$2\frac{7}{8}$ "	19½ oz.	14.50

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

EXTRA SPOOLS

Light Casting Plastic Spools

No. 29-100—For No. 100 Reel .....\$1.00	No. 29-100M—For No. 100 Reel ....\$1.50
No. 29-150—For No. 150 Reel 1.00	No. 29-150M—For No. 150 Reel 1.50
No. 29-200—For No. 200 Reel 1.00	No. 29-200M—For No. 200 Reel 1.50
No. 29-250—For No. 250 Reel 1.00	No. 29-250M—For No. 250 Reel 1.50

Metal spools not included with reel. Sold separately only.

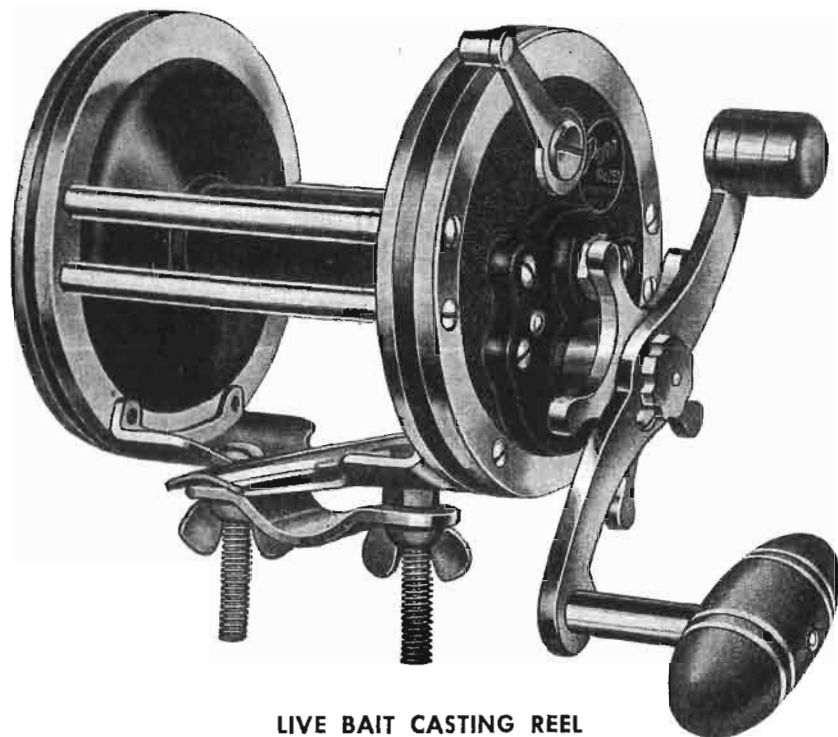
The Surfmaster reel is built along the lines of the Squidder reel, but held at a price within everybody's reach. This reel is light in weight, speedy in action and an excellent casting reel for bait fishing and squidding. All reels are equipped with 2 EASY-CAST lightweight spools. Gears are triple multiplying.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

250 and 300 Yards LIVE BAIT CASTER

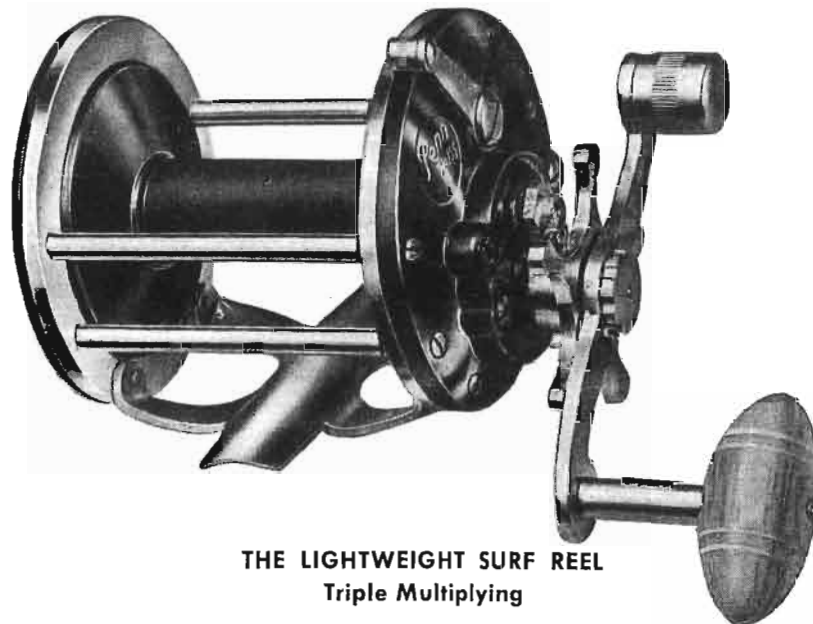


LIVE BAIT CASTING REEL

- No. 259**—Cap. 250 yds. No. 9; weight 19 oz.Price **\$12.50**
No. 259M—Cap. 300 yds. No. 9; weight 22 oz. **13.00**
 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.

150, 200 and 250 Yards LIGHT TACKLE SURF REEL



THE LIGHTWEIGHT SURF REEL
Triple Multiplying

- No. 155**—Star Drag—Lightweight Spool—cap. 200 yds. No. 9; weight 14 oz.Price **\$8.00**
No. 160—Star Drag—Lightweight Spool—cap. 150 yds. No. 9; weight 13½ oz. **7.00**
No. 165—Free Spool—Lightweight Spool—cap. 150 yds. No. 9; weight 13 oz. **6.00**
 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 **\$8.50**
No. 160M—Star Drag—Metal Spool—cap. 200 yds. No. 9; weight 15 oz. **7.50**
No. 165M—Free Spool—Metal Spool—cap. 200 yds. No. 9; weight 14 oz. **6.50**
 Left hand models extra \$1.00—mark (LH) after No.

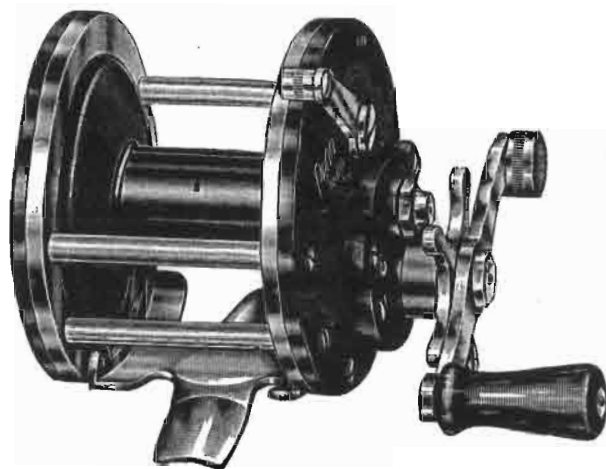
PENN PLASTIC LIGHTWEIGHT SPOOLS DO NOT REQUIRE IDLE FILLER LINE

FOR SURF AND BAY FISHING

With Easy-Cast Spools and Metal Spools



100 Yard LIGHT TACKLE BAY REEL 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 \$6.00
No. 180S—Same—with long Stand for Saltwater Rods	6.00
No. 185—Free Spool—For Baitcasting Rods with offset reel seats	5.00
No. 185S—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)

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 $1\frac{1}{2}$ ". Weight 11½ 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	\$6.50
No. 180MS—Star Drag— $2\frac{11}{16}$ " stand ...	6.50
No. 185M—Free Spool— $2\frac{3}{8}$ " stand ...	5.50
No. 185MS—Free Spool— $2\frac{11}{16}$ " stand ..	5.50
No. 190M—Free Spool— $2\frac{3}{8}$ " stand ...	4.00
No. 190MS—Free Spool— $2\frac{11}{16}$ " stand ..	4.00

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

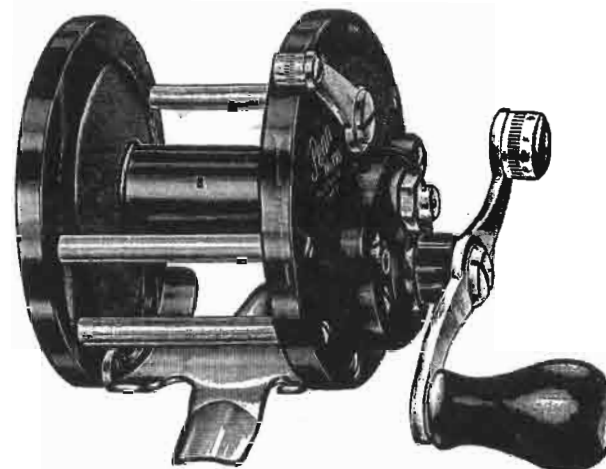
Weights—180M—180MS, $12\frac{1}{2}$ ounces.

Weights—185M—185MS, 12 ounces.

Weights—190M—190MS, 11 ounces.

See NOTE below regarding reel stands.

100 Yards LIGHT TACKLE BAY REEL 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 \$3.50
No. 190S—Same—with long Stand for Saltwater Rods	3.50

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

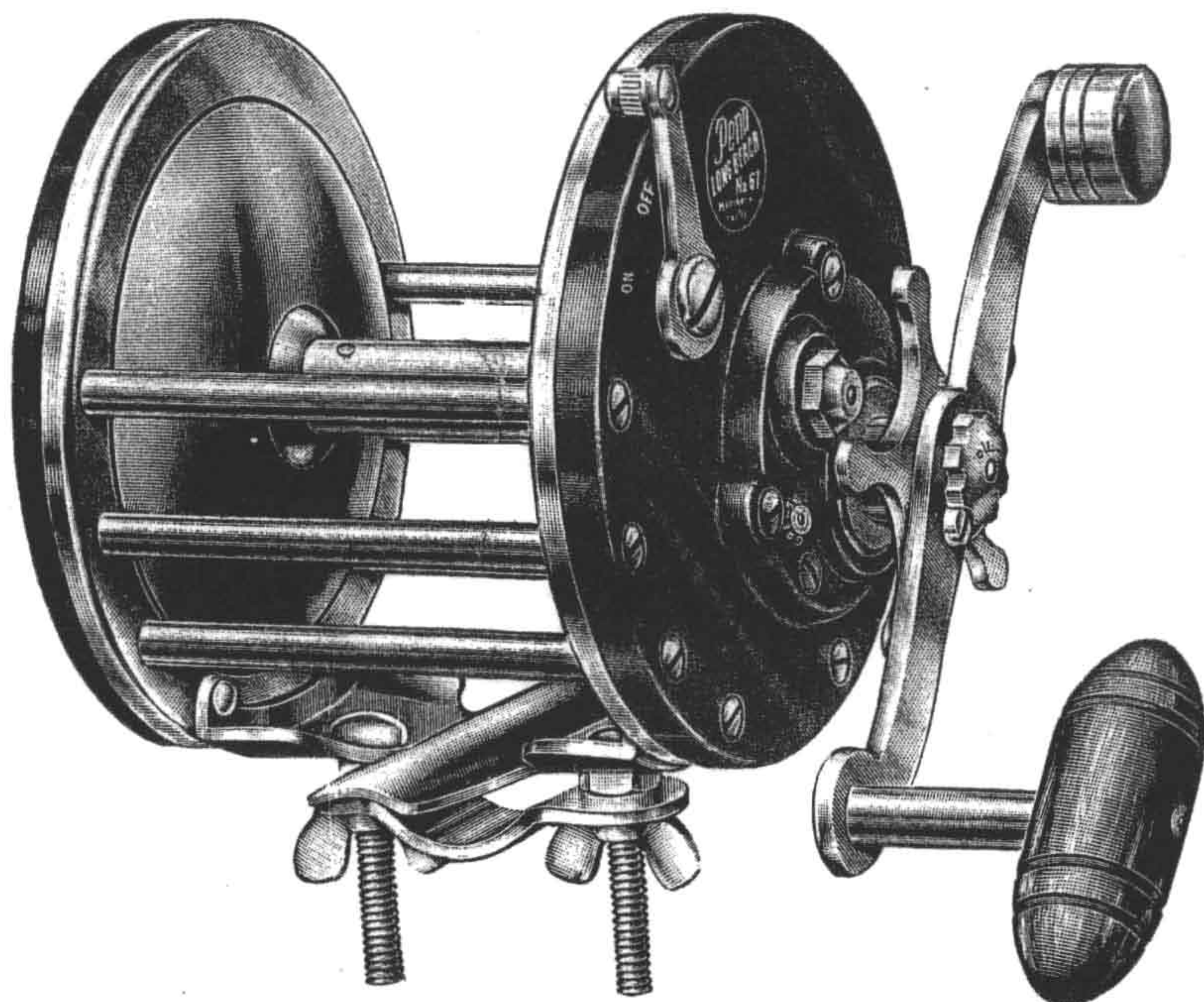


Penn

UNIVERSAL STAR DRAG REELS

400 to 600 Yards

LONG BEACH



LARGE CAPACITY GAME FISH REEL
With Reinforced Metal Spool

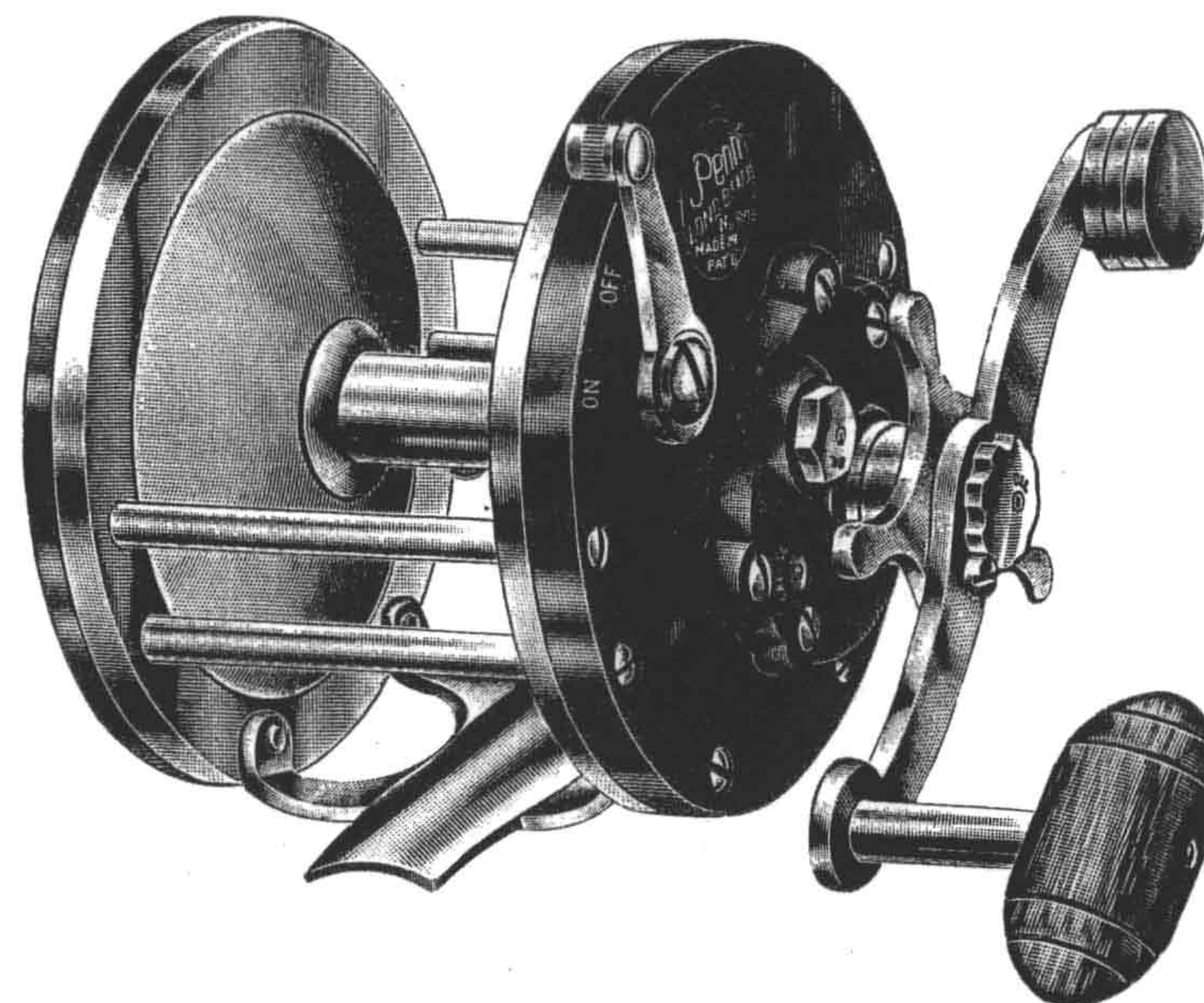
No. and Size of Reel	Line Capacity in Yards				Plate Diam.	Spool Width	Weight of Reel	Price Each
	No. 9	No. 12	No. 15	No. 18				
No. 66 —400 yds. . .	400	300	250	200	3 5/8"	2 1/8"	24 oz.	\$10.00
No. 67 —500 yds. . .	500	375	300	250	3 5/8"	2 1/8"	25 oz.	11.00
No. 68 —600 yds. . .	600	450	375	300	3 5/8"	3"	26 oz.	12.00

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.

250 and 300 Yards

LONG BEACH



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.	\$7.50
No. 65 —300 yds. .	300	225	175	2 1/2 to 1	3 1/4"	2 1/8"	18 oz.	8.00

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

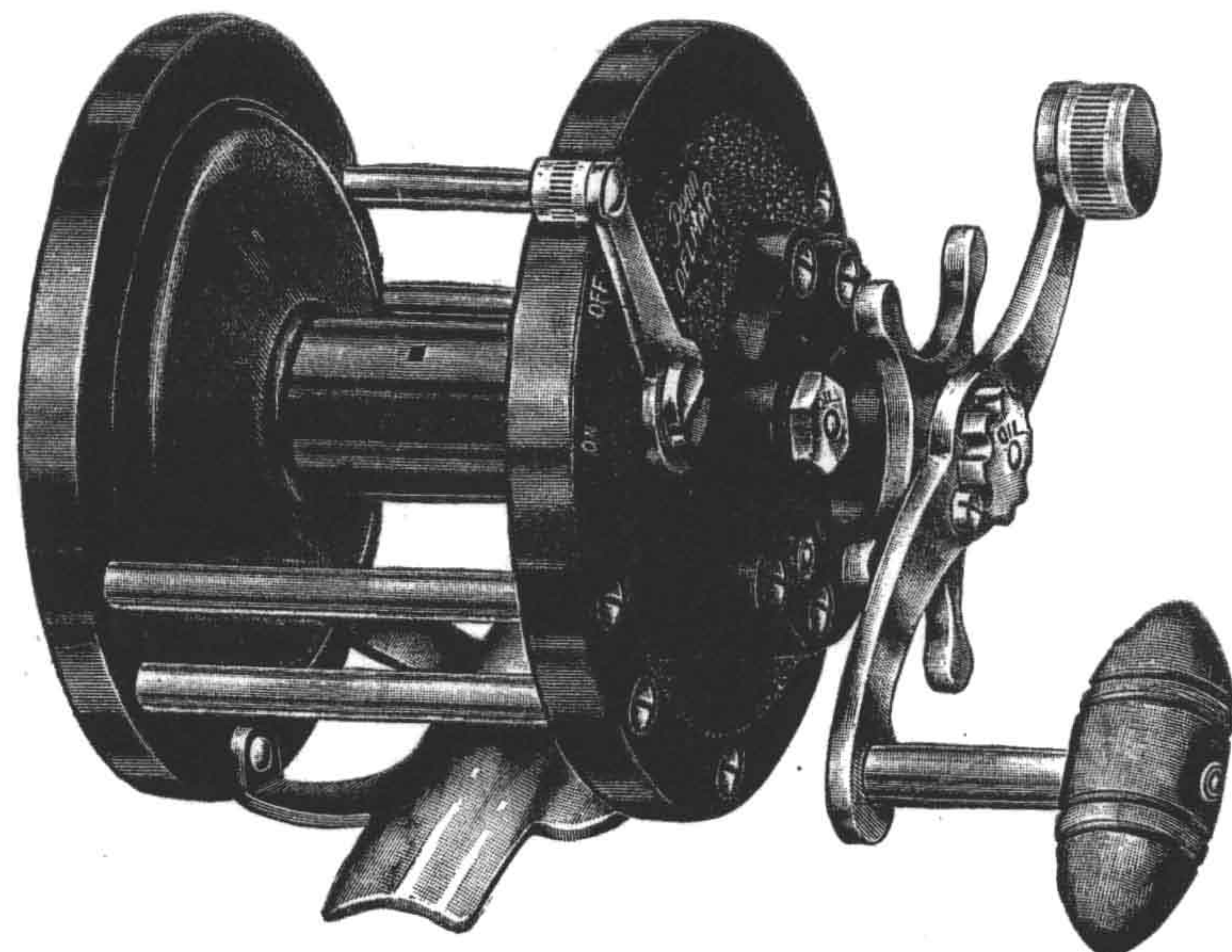
FOR GENERAL ALL AROUND FISHING

Light Trolling, Surf, Pier, Deep Sea and Bay



200 and 250 Yard
DELMAR

200 Yard
PENN No. 85



UNIVERSAL STAR DRAG REEL

Ideal for Fresh Water Trolling and Still Fishing

No. 285—Lightweight Spool—200 yds. No. 9Price \$5.50

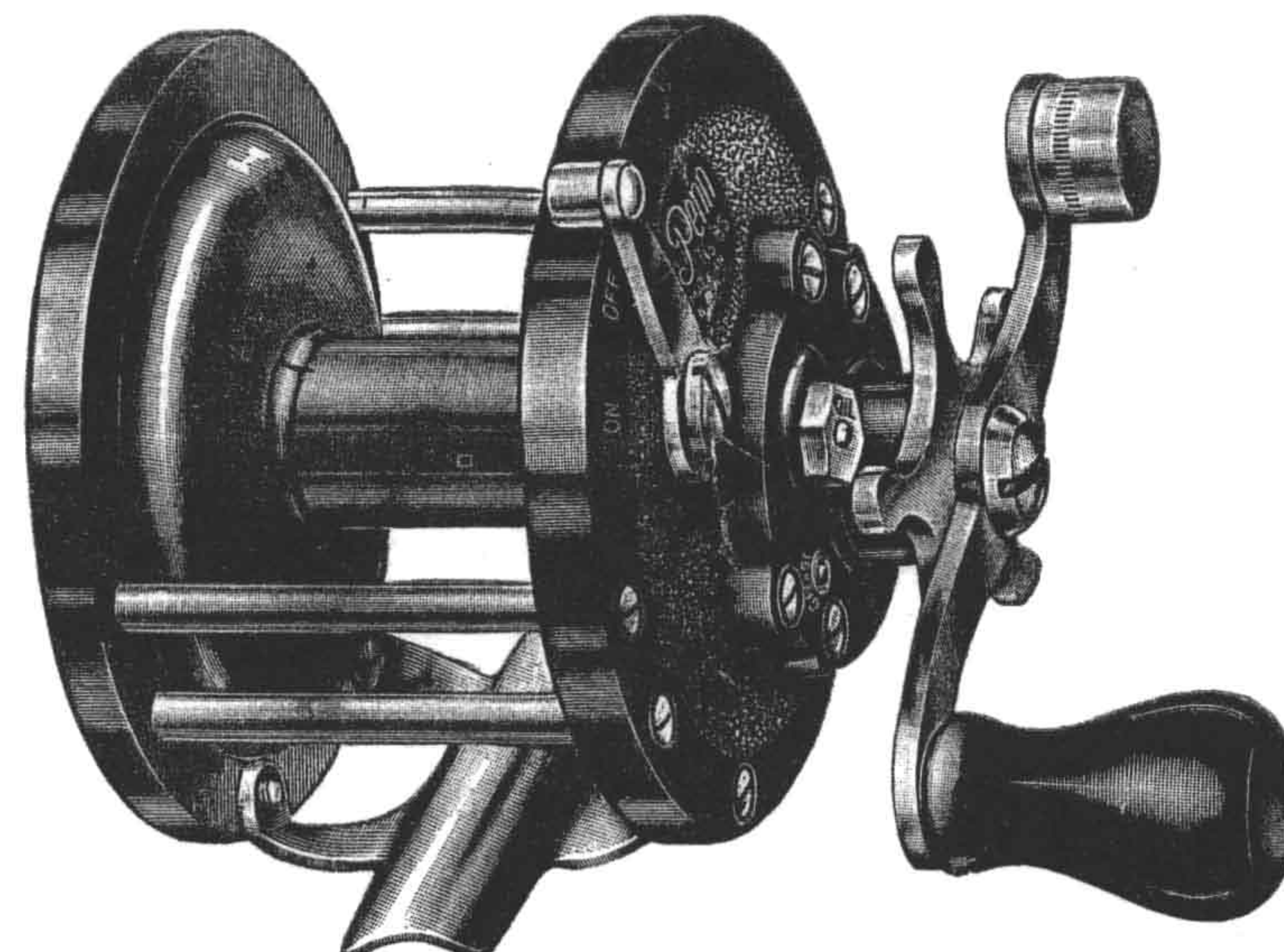
No. 285M—Metal Spool—250 yds. No. 9 6.00

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 $3\frac{1}{4}$ " in diam. and spool width is $1\frac{1}{8}$ ". Weight of 285, $13\frac{1}{2}$ oz.; weight of 285M, 17 oz.



Old Light at
Cape Hatteras, N. C.



POPULAR STAR DRAG REEL

Ideal for Fresh Water Trolling and Still Fishing

No. 85—Cap. 200 yds. No. 9Price \$4.00

No. 85LH—Left hand model 5.00

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. $3\frac{1}{4}$ "; spool width $1\frac{1}{8}$ "; weight $13\frac{1}{2}$ ozs. Line capacity 200 yards No. 9 or 150 yards No. 12.

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



DEEP LAKE TROLLING



Fishing in Beautiful Lake Pend Oreille, Idaho

Mr. Leo O'Shea of Kellogg, Idaho, displays a 22 lb. 3 oz. Kamloops Rainbow Trout caught at Lake Pend Oreille using a Penn 49 Reel. Mr. O'Shea's catch for the same day included two Dolly Varden Trout and 100 Blueback Salmon.

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 $4\frac{1}{8}$ " in diameter and the narrow spool is only $1\frac{1}{8}$ " in width. Also the spool is fitted with an extra large $1\frac{3}{4}$ " diameter winding arbor to prevent the kinking of the wire line. In addition the spool is very light, made of molded plastic and is 100% corrosion proof, as there is no metal to come in contact with the line. The reels are fast in winding and one turn of the handle takes in 2 to 3 feet of line. The handles are extra large (5") for easy winding. For deep fishing with wire line or linen line these reels are excellent.

No. 49 reel is a star drag reel equipped with our patented convertible star drag and can be fished as a star drag reel or free spool reel at the will of the fisherman. (See page 25.) Gear ratio is $3\frac{1}{2}$ 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.

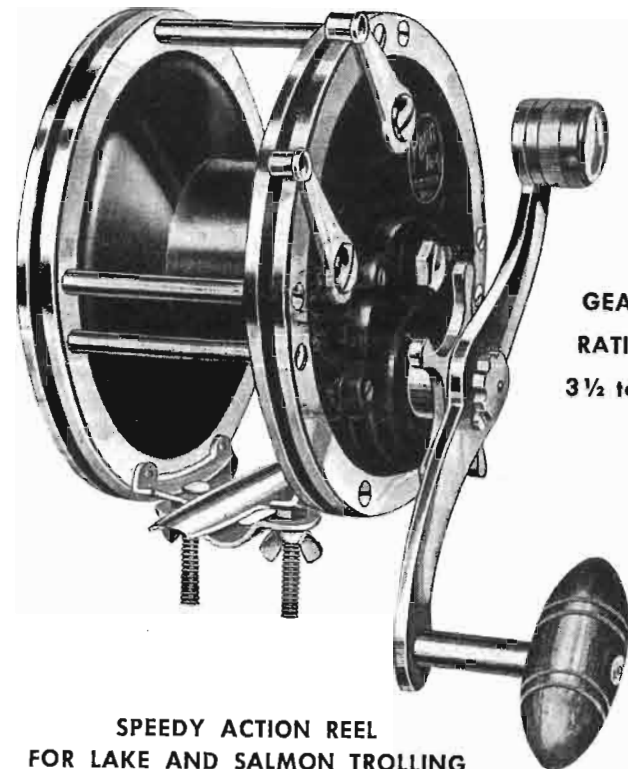
No. 149M equipped with heavy duty metal spool; cap. 250 yds. No. 12.

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

Penn NARROW SPOOL REELS

PENN No. 49

IDEAL
FOR
WIRE
LINE
TROLLING



GEAR
RATIO
 $3\frac{1}{2}$ to 1

SPEEDY ACTION REEL FOR LAKE AND SALMON TROLLING

No. 49—Convertible Star Drag—Plastic Spool; weight 28 oz.Price **\$15.00**

No. 49M—Convertible Star Drag—Reinforced Metal Spool; weight 32 oz. **16.50**
Left hand models extra \$1.00—mark (LH) after Reel No.

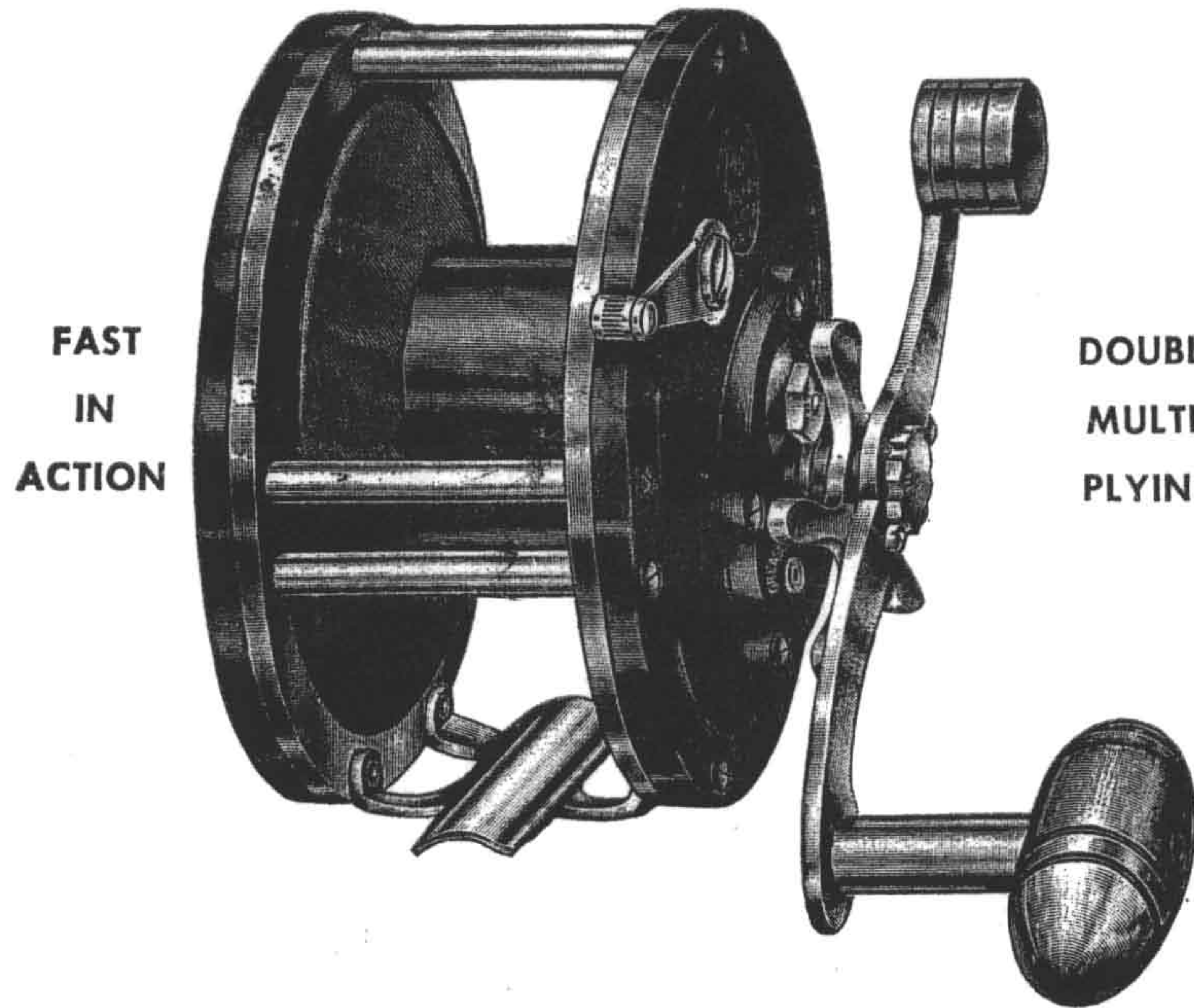
The Nos. 49 and 49M are fast action reels with a gear ratio of $3\frac{1}{2}$ to 1 and one turn of the handle winds in $2\frac{1}{2}$ feet of line. These reels are equipped with our patented convertible star drag and can be fished as a star drag reel or free spool reel. A flip of a lever converts the 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. Cross plate is fitted with an attached rod clamp. Metal parts are polished and chromium-plated.

PENN REELS ARE DESIGNED BY FISHERMEN FOR THE FISHERMEN

FOR 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

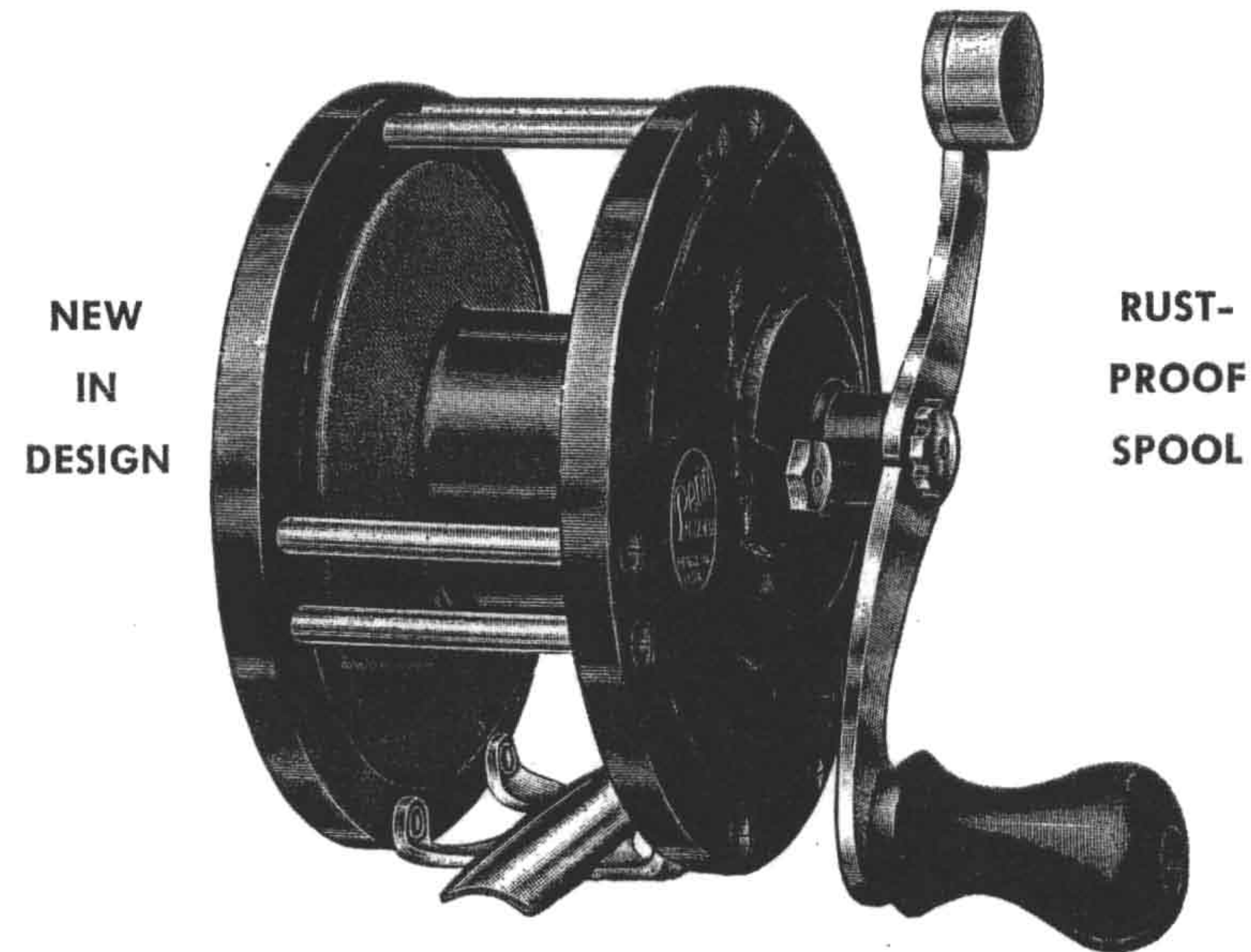
Ideal for Wire Line Lake Trolling

No. 149—Star Drag—double multiplying—plastic spool; weight 25 oz.Price \$10.00

No. 149M—Star Drag—double multiplying—reinforced metal spool; weight 28 oz. . 11.50
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 (1¾") 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 \$5.00

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



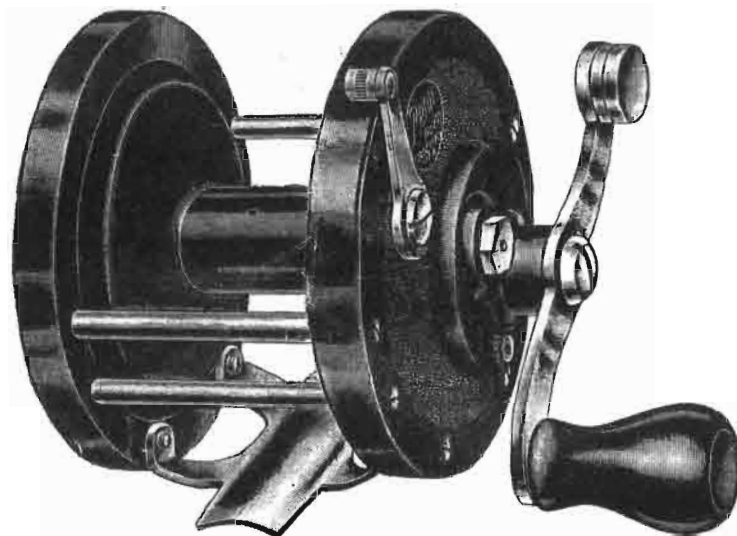
Penn POPULAR SALT WATER REELS

For Surf, Pier, Deep Sea and Bay Fishing

200 Yard

PENN No. 80

With "EASY-CAST" Spool



POPULAR FREE SPOOL REEL

Ideal for Fresh Water Trolling and Still Fishing

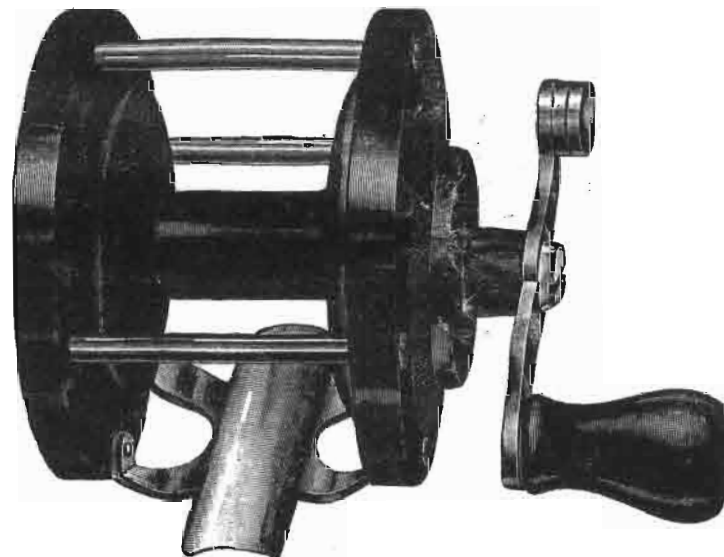
No. 80—200 yds.—Weight 12 oz.Price **\$3.00**
 No. 80LH—Left hand model **4.00**

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.

200 Yard

ATLANTIC

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 **\$2.50**
 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 pillars and one piece crossplate. 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

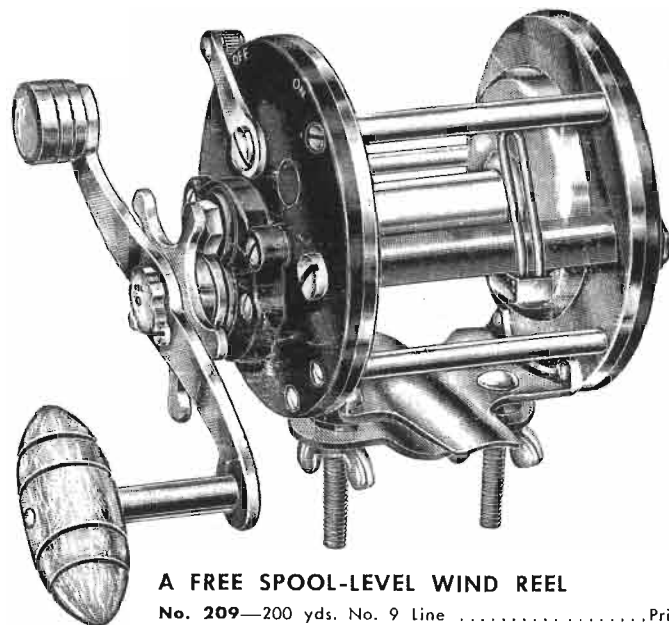
PENN REELS ARE GUARANTEED AGAINST DEFECTS

Penn PEER LEVEL WIND REELS



New PENN PEER No. 209

PENN PEER No. 109



A FREE SPOOL-LEVEL WIND REEL

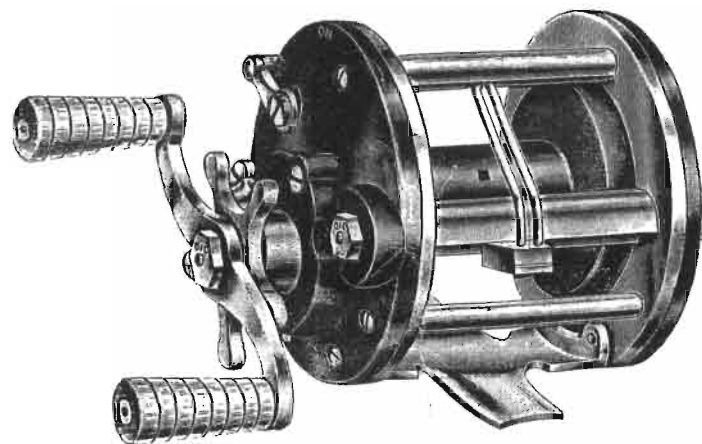
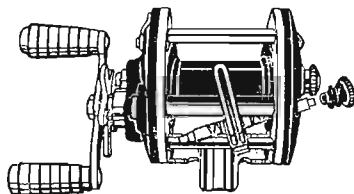
No. 209—200 yds. No. 9 LinePrice \$15.00

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 1/8", spool width 1 1/4". 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.



No. 109—100 yds.—2 1/8" reel stand for Baitcasting Rods, Plastic spoolPrice \$10.00

No. 109S—100 yds.—2 1/8" reel stand for Saltwater Rods, Plastic spoolPrice \$10.00

No. 109M—150 yds.—2 3/8" reel stand for Baitcasting Rods, Metal spoolPrice \$11.00

No. 109SM—150 yds.—2 1/8" reel stand for Saltwater Rods, Metal spoolPrice \$11.00

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

STAR DRAG ONLY (Without Free Spool)

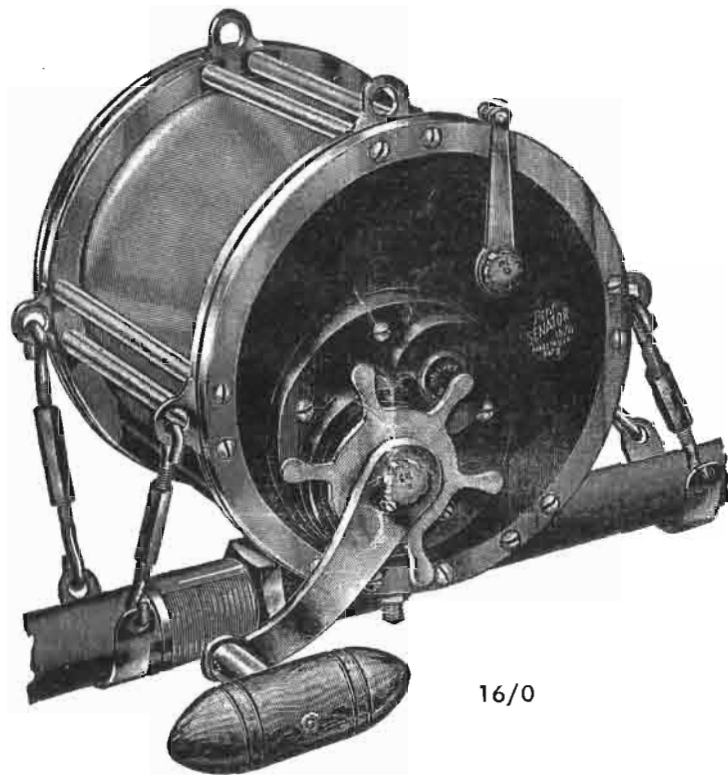
These level wind Reels are especially designed for the light tackle salt water angler who desires a level wind casting reel combining the features of the salt water reel but with the casting ability and lightness of the fresh water reel. The line capacity of the No. 109 is 100 yds. No. 9 or 150 yds. 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 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

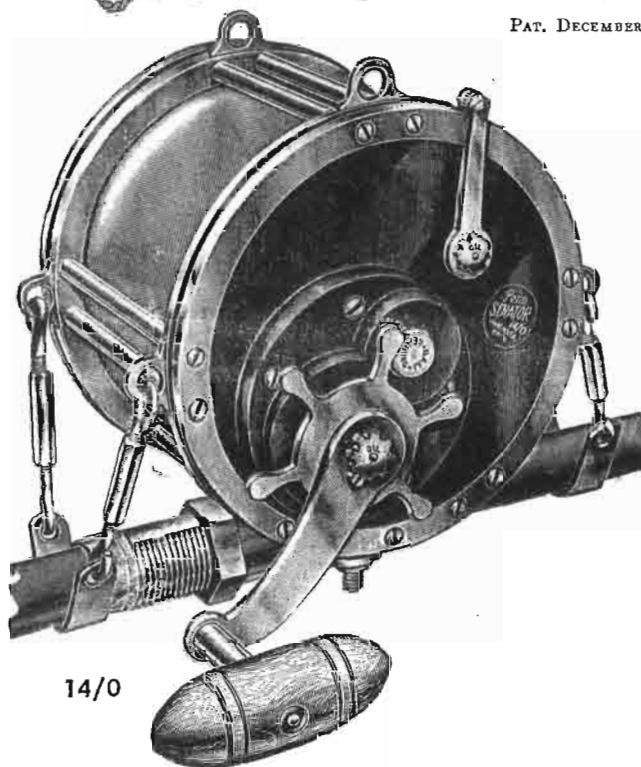


Penn SENATOR Reels

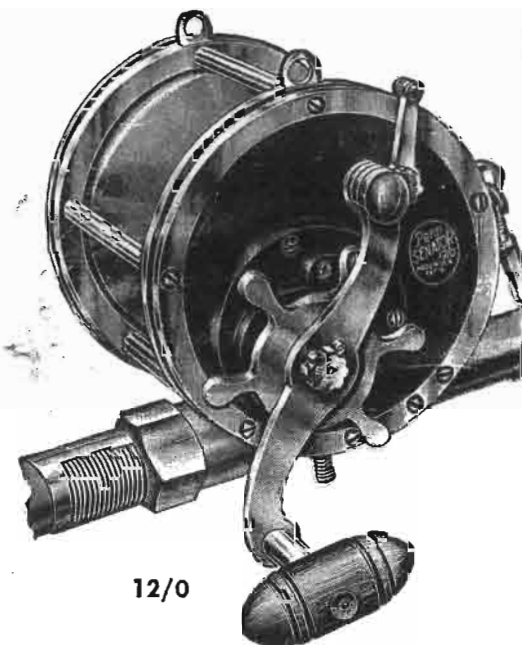
PAT. DECEMBER 19, 1933—MARCH 27, 1934



16/0



14/0



12/0

Reel No.	No. 54 Harness Lug		No. 54 Rod Brace Lug		No. 36 Rod Brace	
	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each
113	54-113	.20	.....	....	.....	.....
114	54-114	.20	.....	....	.....	.....
115	54-114	.20	54-114	.20	56-115	\$2.00
116A	54-116	.20	54-114	.20	56-116	\$2.00
116	54-116	.20	54-114	.20	56-116	\$2.00
117	54-117	.40	54-117	.40	56-117	\$2.00
118	54-117	.40	54-117	.40	56-117	\$2.00

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

The world's record 927 lb. Bluefin Tuna was landed by Dr. John B. Vernaglia at Ipswich Bay, Mass. with a 16/0 Senator.

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 1950 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.

PRICES		
No. of Reel	Size of Reel	Style of Trotting
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 \$2.00—mark

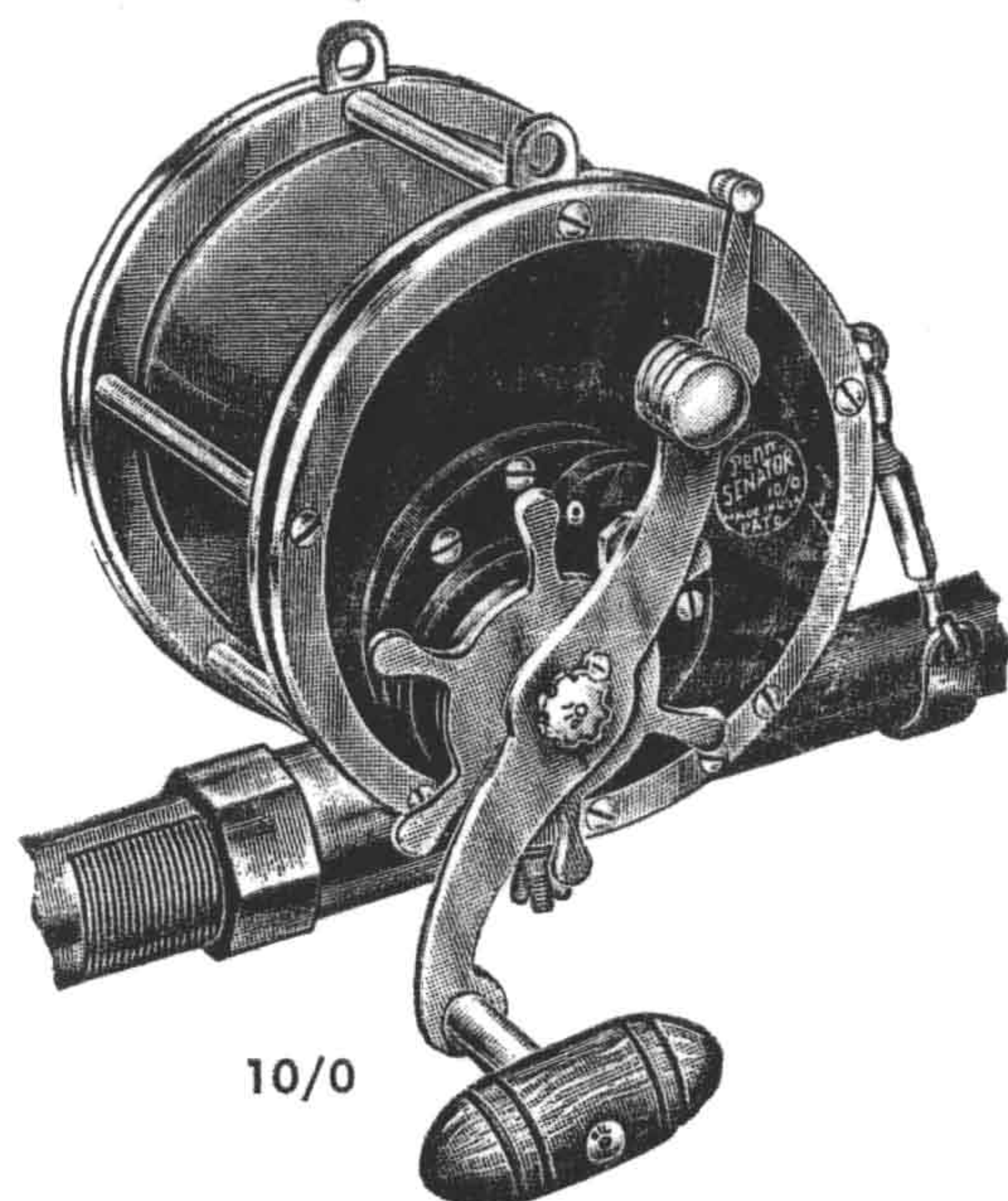
LINE CAP			
No. and Size of Reel	No. 12	No. 15	N
No. 113 — 4/0	350	300 500	4
No. 114 — 6/0			
No. 115 — 9/0			
No. 116A — 10/0			
No. 116 — 12/0			
No. 117 — 14/0			
No. 118 — 16/0			

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

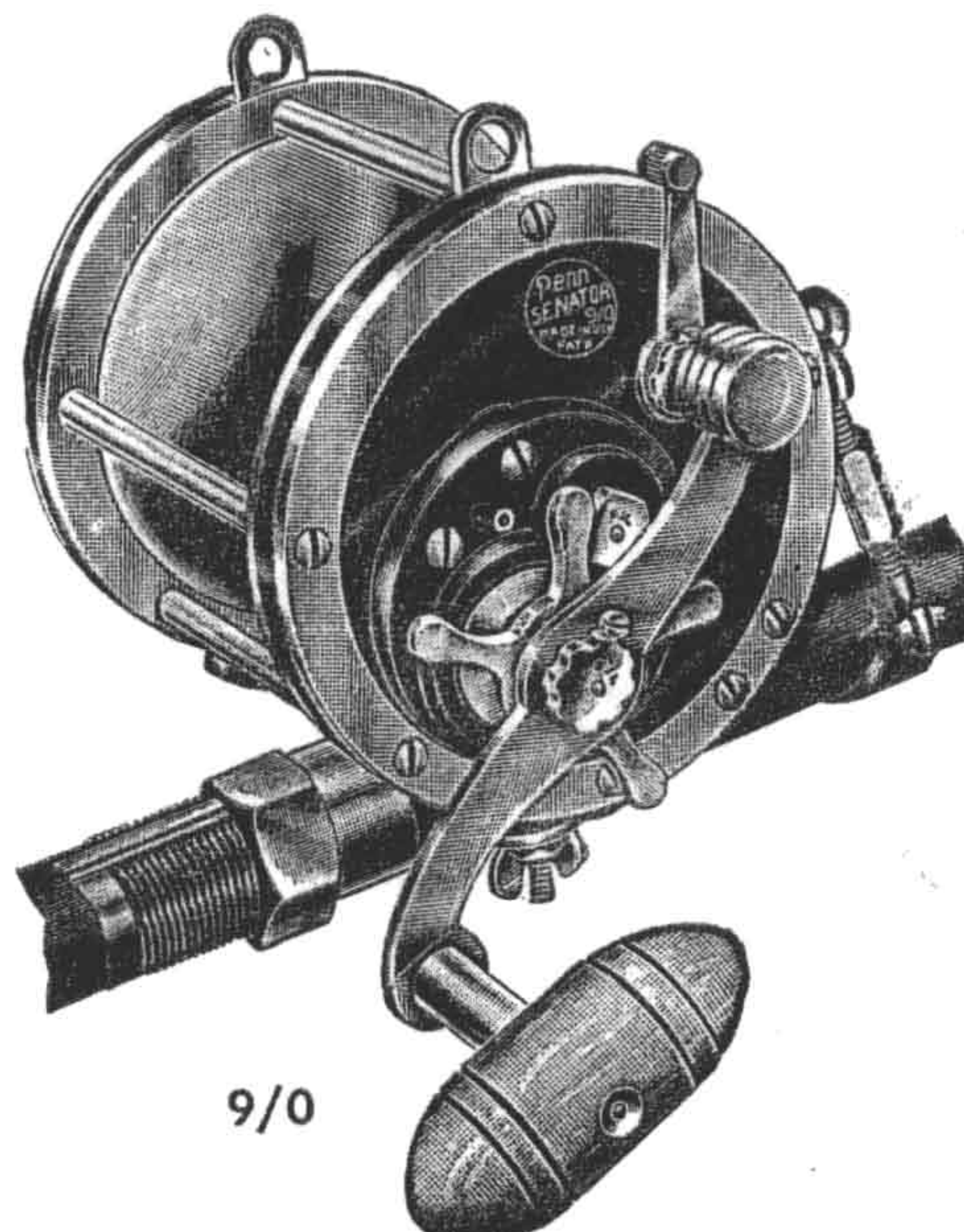
For Big Game Fishing



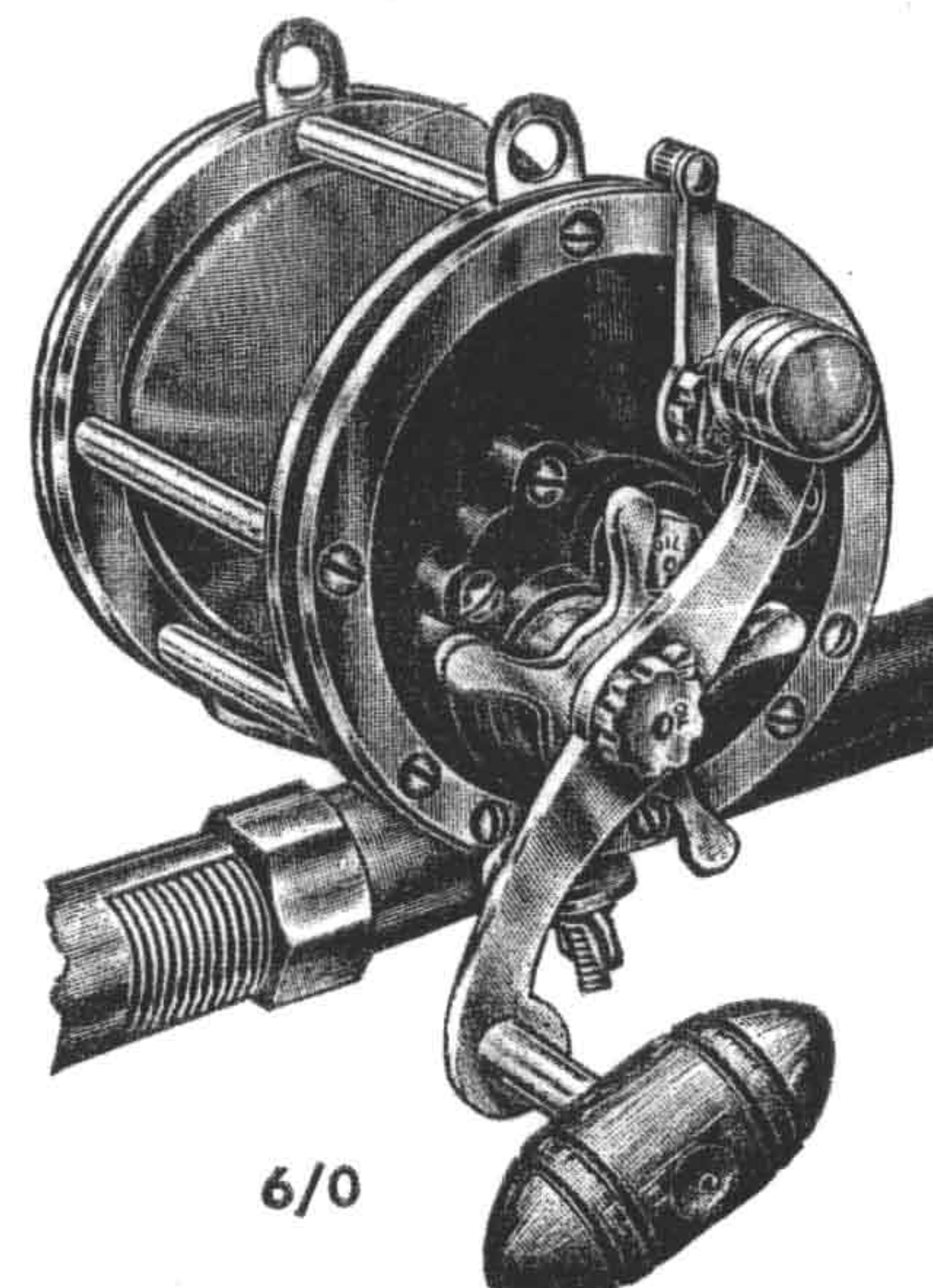
TUNA, BROADBILL, MARLIN, SAILFISH, TARPON



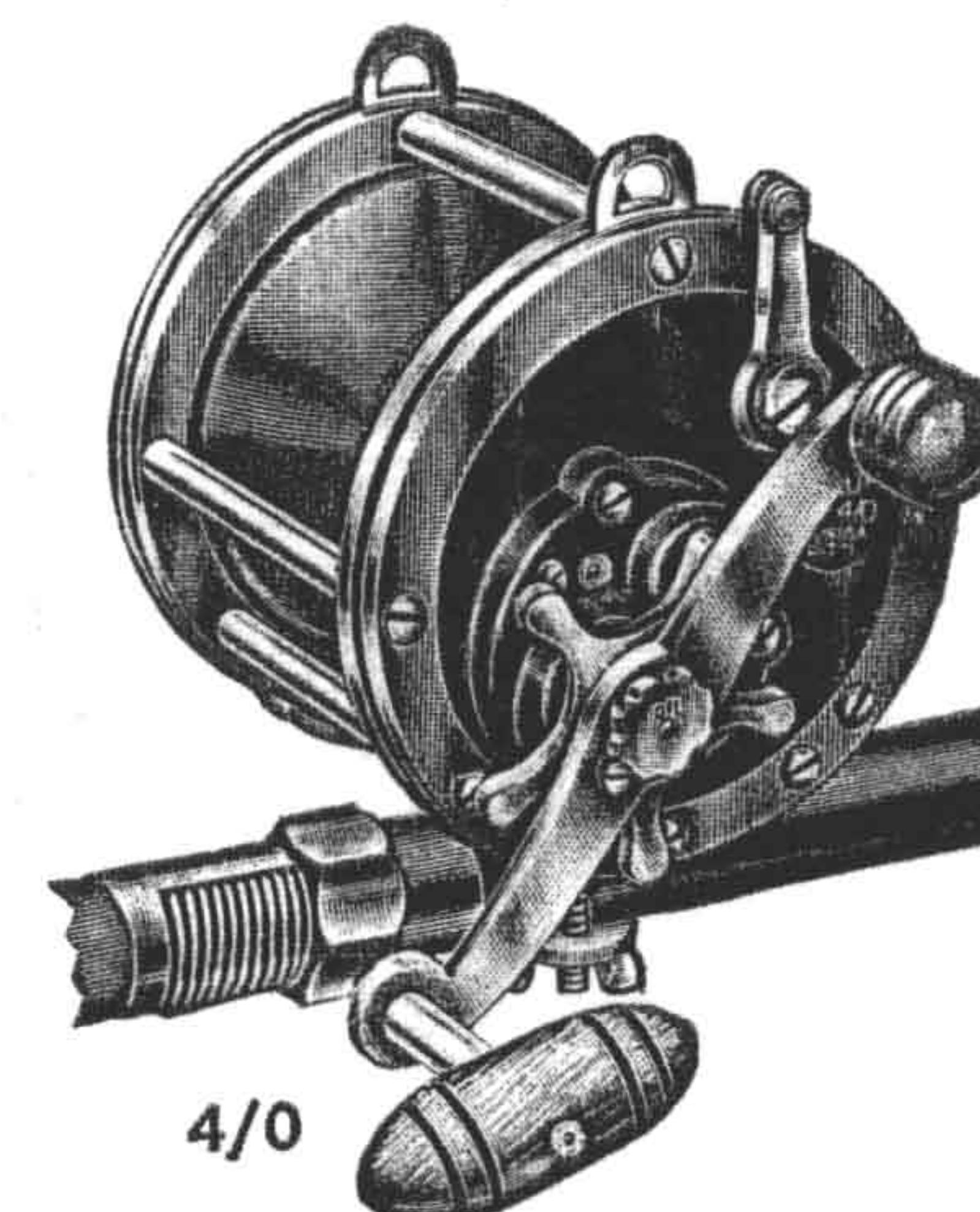
10/0



9/0



6/0



4/0

SPECIFICATIONS

Plate Diam.	Spool Width	Weight of Reel	Price Each
3 5/8"	2 7/16"	1 3/4 lbs.	\$20.00
4 1/8"	2 3/4"	3 lbs.	27.50
4 3/8"	3 1/4"	3 1/2 lbs.	32.50
5 3/4"	3 1/4"	5 1/4 lbs.	50.00
5 3/4"	4"	6 lbs.	60.00
7"	4"	8 1/2 lbs.	80.00
7"	5"	9 lbs.	100.00

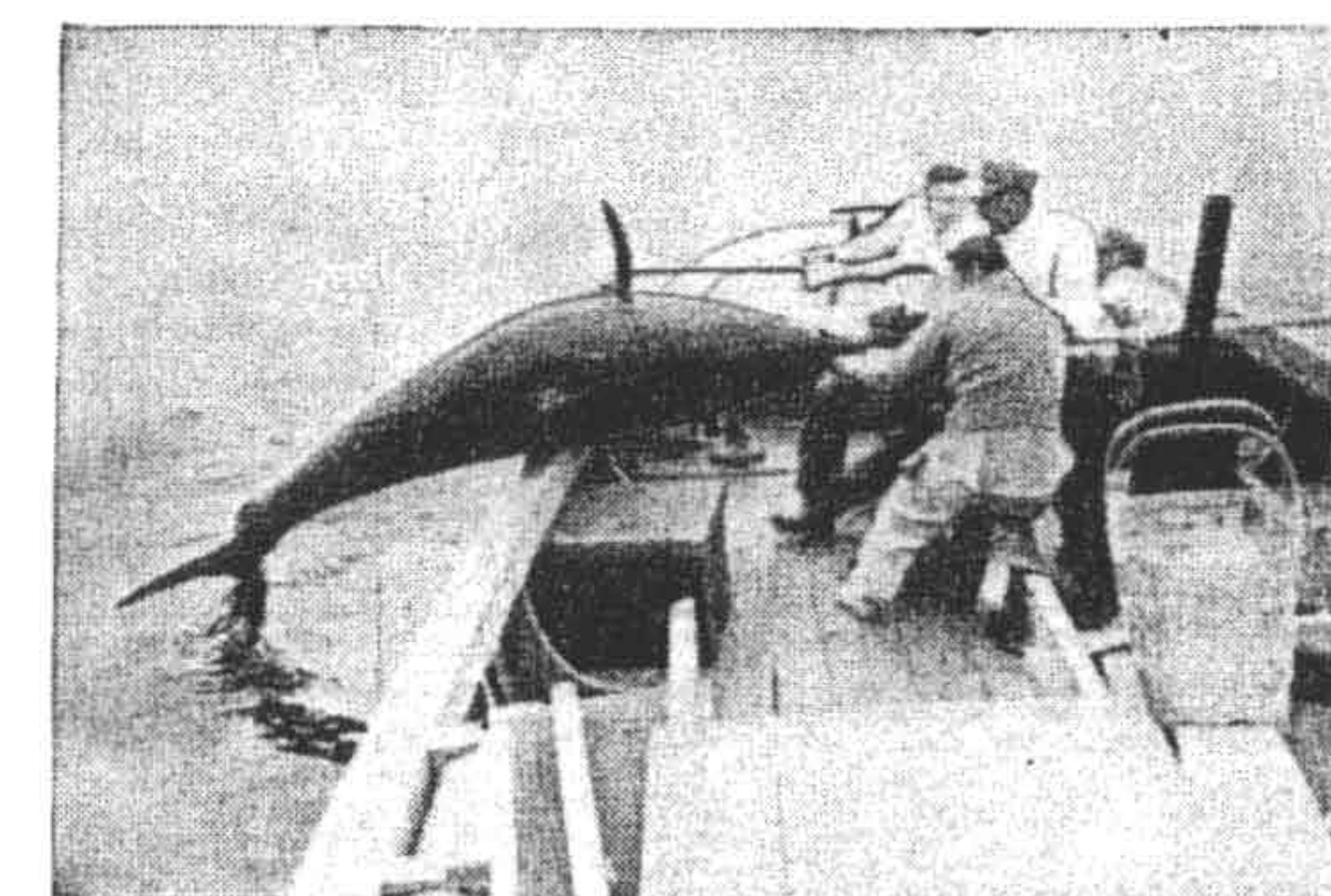
2) after Reel No.

CITY IN YARDS

Size of Line					
18	No. 21	No. 24	No. 36	No. 54	No. 72
	350				
	500	450	450	400	
	700	600	600	600	450
		900	800	750	600
			1100		

BALANCED TACKLE FOR GAME FISH TROLLING

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

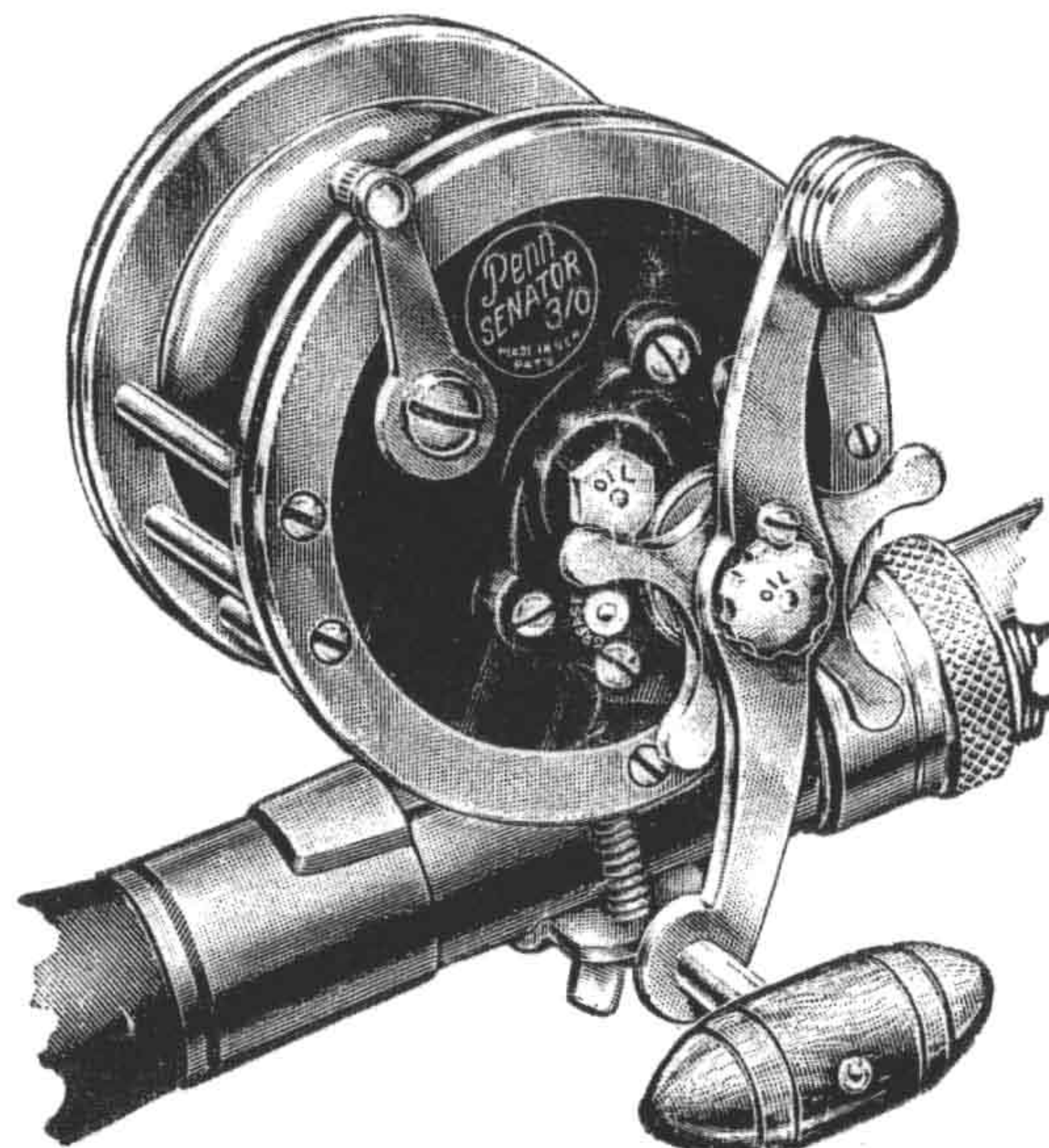


FOR LIGHT TACKLE TROLLING

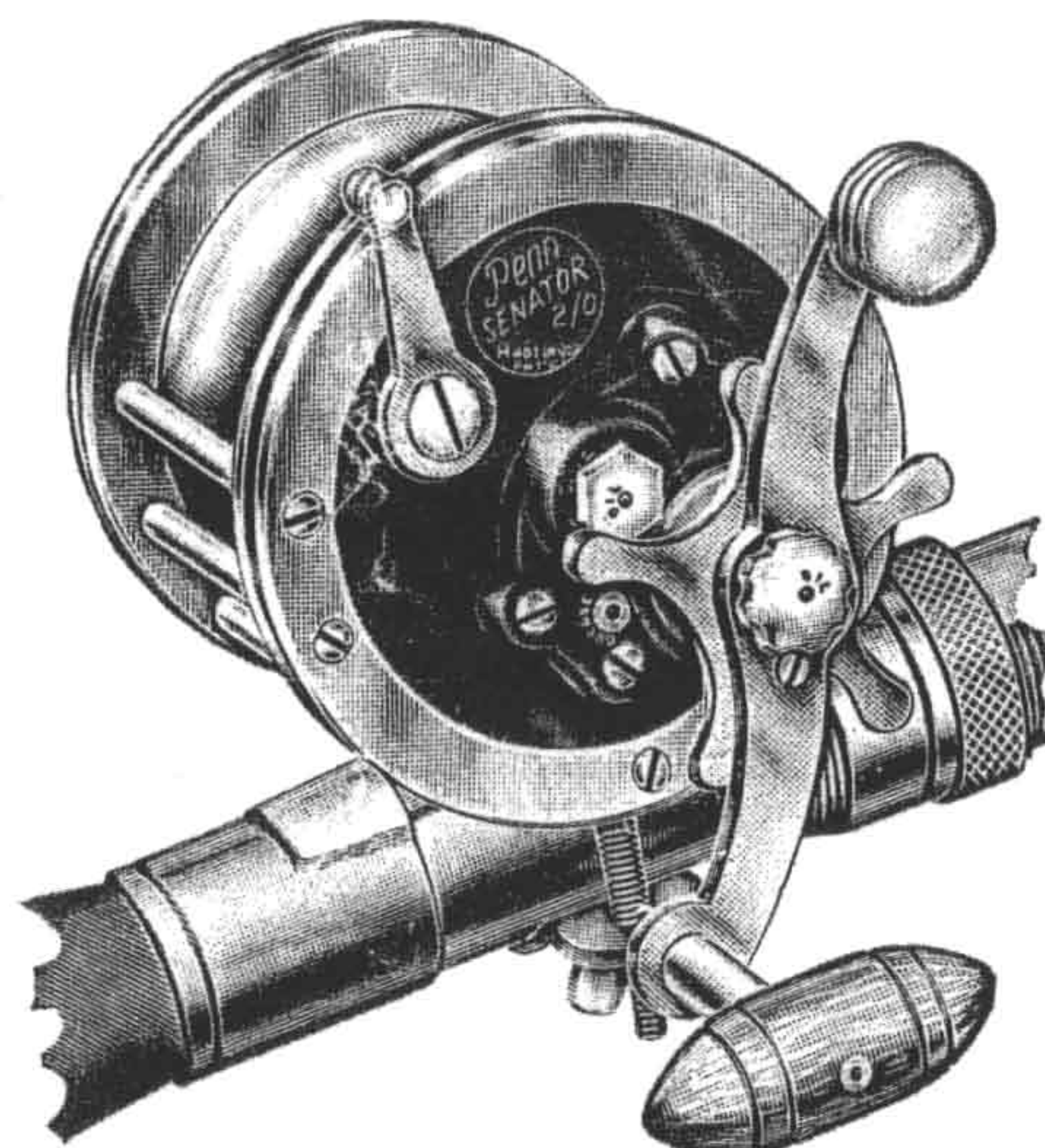
6-12 Tackle

5-9 Tackle

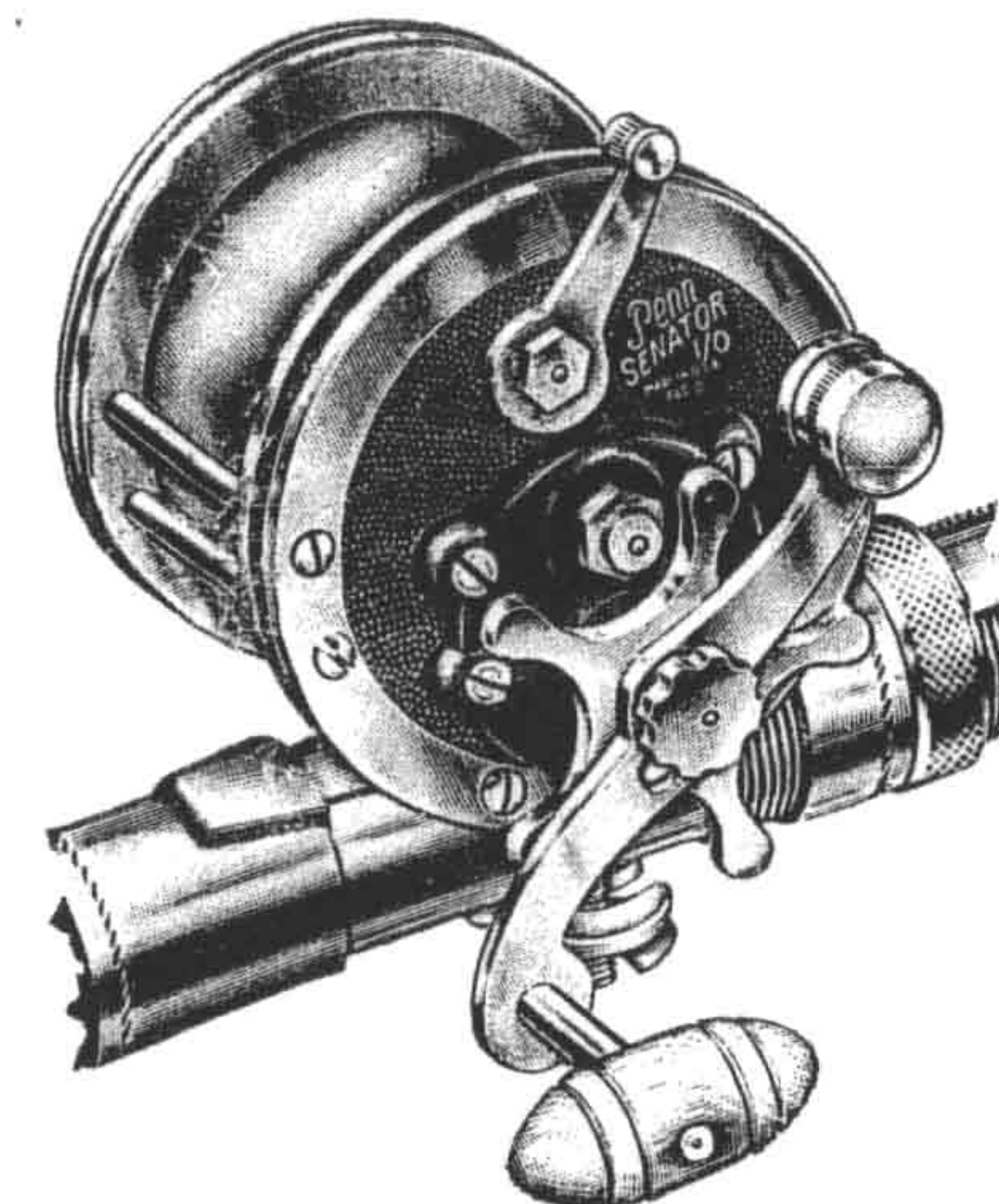
4-6 Tackle



3/0



2/0



1/0

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. 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 bands. Handles are fitted with our torpedo grip. Crossplate 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 1/16"	1 5/8"	18 oz.	\$12.50
No. 111—2/0	5- 9	3 3/4"	1 13/16"	22 oz.	15.00
No. 112—3/0	6-12	3 1/4"	2 1/16"	26 oz.	17.00

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

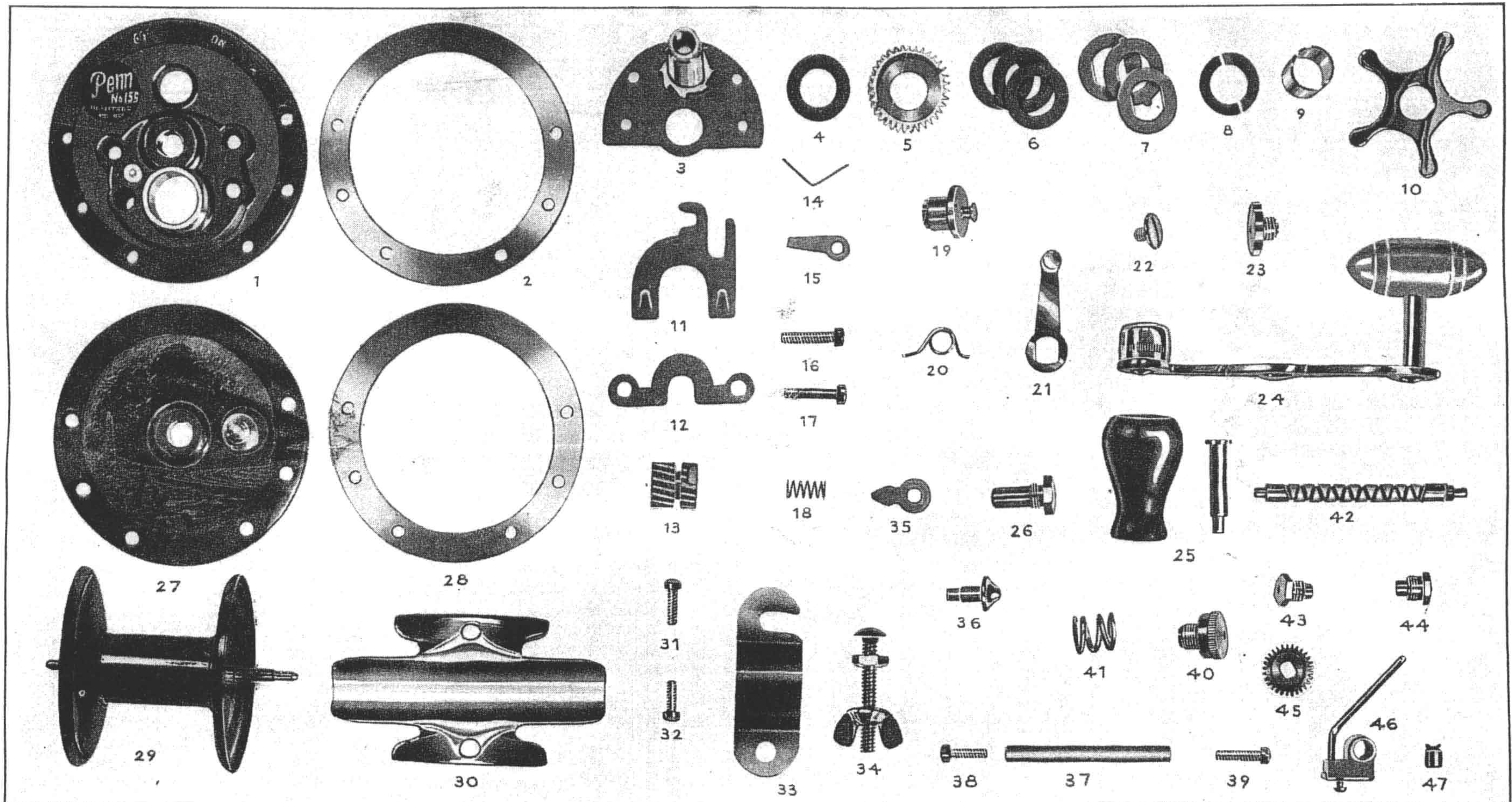
LINE CAPACITY IN YARDS

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

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 (No. stamped on front plate of reel).

Left Hand Reels require special parts such as Main Gear, Pinion, Bridge Sleeve, Dog, Dog Spring, Spool 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
1.	Right Side Plate	13.	Pinion Gear	25.	Knob, Rivet and Oilcup	37.	Frame Post
2.	Right Side Plate Ring	14.	Dog Spring	26.	Right Side Bearing	38.	Right Side Post Screw
3.	Gear Bridge with Sleeve	15.	Dog	27.	Left Side Plate	39.	Left Side Post Screw
4.	Fibre Washer	16.	Bridge Screw—Lower—Long Thread	28.	Left Side Plate Ring	40.	Left Side Bearing
5.	Main Gear	17.	Bridge Screw—Upper—Short Thread	29.	Spool	41.	Bearing Spring
6.	Drag Washer—Leather	18.	Clutch Spring	30.	Reel Stand	42.	Worm
7.	Metal Discs—Set	19.	Eccentric	31.	Right Side Stand Screw	43.	Right Side Worm Bearing
8.	Tension Spring	20.	Eccentric Spring	32.	Left Side Stand Screw	44.	Left Side Worm Bearing
9.	Spacing Sleeve	21.	Eccentric Lever	33.	Rod Clamp	45.	Worm Gear
10.	Drag Star	22.	Eccentric Screw	34.	Clamp Screw with Nuts	46.	Line Guide
11.	Eccentric Jack	23.	Handle Screw and Lock Screw	35.	Click Tongue	47.	Pawl
12.	Pinion Yoke	24.	Handle Complete	36.	Click Button		

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

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	.60	....	..	....	..	....	..	....	..	5-14	.40	....	..	....	..	....	..	....	..	....	..	14
49	1-49	.60	2-49*	.60	3-49	.40	3C-49	1.00	4-60	.12	5-49	.40	6-49	.12	7-49	.12	8-60	.08	9-60	.08	10-60	.40	49
60	1-60	.60	2-60	.40	3-60	.40	3C-60	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	60
65	1-65	.60	2-60	.40	3-60	.40	3C-60	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	65
66	1-66	.60	2-66	.40	3-60	.40	3C-66	1.00	4-60	.12	5-66	.40	6-60	.12	7-66	.12	8-60	.08	9-66	.08	10-60	.40	66
67	1-67	.60	2-66	.40	3-60	.40	3C-66	1.00	4-60	.12	5-66	.40	6-60	.12	7-66	.12	8-60	.08	9-66	.08	10-60	.40	67
68	1-68	.60	2-66	.40	3-60	.40	3C-66	1.00	4-60	.12	5-66	.40	6-60	.12	7-66	.12	8-60	.08	9-66	.08	10-60	.40	68
80	1-80	.60	....	..	3-80	.20	3C-80	.80	....	..	5-80	.40	....	..	....	..	....	..	....	..	....	..	80
85	1-85	.60	....	..	3-85	.40	3C-85	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	85
99	1-99	1.20	2-99*	.40	3-99	.40	3C-99	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	99
100	1-100	1.20	2-200*	.40	3-200	.40	3C-200	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	100
109	1-109	.60	2-109	.40	3-109	.40	3C-109	1.00	4-155	.12	5-109	.40	6-155	.12	7-155	.12	8-60	.08	9-60	.08	10-180	.40	109
110	1-110	.60	2-110*	.40	3-99	.40	3C-99	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	110
111	1-111	.60	2-111*	.40	3-60	.40	3C-66	1.00	4-60	.12	5-66	.40	6-60	.12	7-66	.12	8-60	.08	9-66	.08	10-60	.40	111
112	1-112	.60	2-111*	.40	3-60	.40	3C-66	1.00	4-60	.12	5-66	.40	6-60	.12	7-66	.12	8-60	.08	9-66	.08	10-60	.40	112
113	1-113	.80	2-113*	.60	3-113	.40	3C-113	1.00	4-60	.12	5-66	.40	6-60	.12	7-66	.12	8-60	.08	9-66	.08	10-60	.40	113
114	1-114	1.20	2-114*	.60	3-114	.80	3C-114	1.60	4-114	.20	5-114	.80	6-114	.40	7-114	.20	8-114	.12	9-114	.12	10-114	.60	114
115	1-115	2.00	2-115*	.80	3-115	1.00	3C-115	2.60	4-115	.20	5-115	1.00	6-115	.60	7-115	.20	8-114	.12	9-114	.12	10-114	.60	115
116A	1-116A	2.40	2-116*	1.00	3-116	1.20	3C-116	3.60	4-116	.20	5-116	1.20	6-116	.80	7-116	.40	8-116	.12	....	..	10-116	1.00	116A
116	1-116	2.40	2-116*	1.00	3-116	1.20	3C-116	3.60	4-116	.20	5-116	1.20	6-116	.80	7-116	.40	8-116	.12	....	..	10-116	1.00	116
117	1-117	3.00	2-117*	1.00	3-117	1.60	3C-117	4.40	4-117	.20	5-117	1.40	6-117	1.00	7-117	.60	8-117	.12	....	..	10-117	1.00	117
118	1-118	3.00	2-117*	1.00	3-117	1.60	3C-117	4.40	4-117	.20	5-117	1.40	6-117	1.00	7-117	.60	8-117	.12	....	..	10-117	1.00	118
140	1-140	1.20	2-200*	.40	3-200	.40	3C-200	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	140
145	1-145	1.20	2-200*	.40	3-200	.40	3C-200	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	145
149	1-149	.60	2-49	.60	3-149	.40	3C-149	1.00	4-60	.12	5-149	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	149
150	1-150	1.20	2-200*	.40	3-200	.40	3C-200	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	150
155	1-155	.60	2-155	.40	3-155	.40	3C-155	1.00	4-155	.12	5-155	.40	6-155	.12	7-155	.12	8-60	.08	9-60	.08	10-60	.40	155
160	1-160	.60	2-155	.40	3-155	.40	3C-155	1.00	4-155	.12	5-155	.40	6-155	.12	7-155	.12	8-60	.08	9-60	.08	10-60	.40	160
165	1-165	.60	2-155	.40	3-165	.20	3C-165	.80	....	..	5-165	.40	....	..	....	..	....	..	....	..	....	..	165
180	1-180	.60	2-155	.40	3-155	.40	3C-155	1.00	4-155	.12	5-155	.40	6-155	.12	7-155	.12	8-60	.08	9-60	.08	10-180	.40	180
185	1-185	.60	2-155	.40	3-165	.20	3C-165	.80	....	..	5-165	.40	....	..	....	..	....	..	....	..	....	..	185
190	1-190	.60	....	..	3-165	.20	3C-165	.80	....	..	5-165	.40	....	..	....	..	....	..	....	..	....	..	190
200	1-200	1.20	2-200*	.40	3-200	.40	3C-200	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	200
209	1-209	.60	• See Page 24		3-155	.40	3C-155	1.00	4-155	.12	5-155	.40	6-155	.12	7-155	.12	8-60	.08	9-60	.08	10-60	.40	209
249	1-249	.60	....	..	....	..	....	..	....	..	5-249	.40	....	..	....	..	....	..	....	..	....	..	249
250	1-250	1.20	2-250*	.40	3-99	.40	3C-99	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	250
259	1-259	.60	2-110*	.40	3-99	.40	3C-99	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	259
285	1-285	.60	....	..	3-60	.40	3C-60	1.00	4-60	.12	5-60	.40	6-60	.12	7-60	.12	8-60	.08	9-60	.08	10-60	.40	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.

For take-apart thumb screw for all Take-Apart Reels, use part No. TA-200.

Left Hand Reels require left hand parts such as Main Gear, Pinion, Bridge Sleeve, Dog, Dog Spring, Spool 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 wrench—except models No. 85, 80, 190, 14, 249 which do not have the Plastic 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		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	.25	.....	..	.....	..	.....	..	.....	..	.....	..	.....	..	.....	..	.....	..	14
49	11-49	.20	12-60	.12	13-49	.25	14-60	.12	15-49	.08	16-60	.24	17-60	.24	18-60	.20	19-60	.20	20-60	.20	21-49	.20	49
60	11-60	.20	12-60	.12	13-60	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-60	.20	20-60	.20	21-60	.20	60
65	11-60	.20	12-60	.12	13-60	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-60	.20	20-60	.20	21-60	.20	65
66	11-66	.20	12-60	.12	13-66	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-60	.20	20-60	.20	21-60	.20	66
67	11-66	.20	12-60	.12	13-66	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-60	.20	20-60	.20	21-60	.20	67
68	11-66	.20	12-60	.12	13-66	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-60	.20	20-60	.20	21-60	.20	68
80	11-60	.20	12-60	.12	13-60	.25	.....	..	.....	..	16-80	.24	.....	..	18-60	.20	19-60	.20	20-60	.20	21-285	.20	80
85	11-60	.20	12-60	.12	13-60	.25	14-60	.12	15-85	.08	16-60	.24	17-60	.24	18-60	.20	19-60	.20	20-60	.20	21-285	.20	85
99	11-99	.20	12-99	.12	13-99	.25	14-99	.12	15-99	.08	16-60	.24	17-60	.24	18-60	.20	19-110	.20	20-60	.20	21-60	.20	99
100	11-155	.20	12-155	.12	13-155	.25	14-60	.12	15-200	.08	16-60	.24	17-60	.24	18-60	.20	19-200	.20	20-155	.20	21-200	.20	100
109	.....	..	.....	..	13-109	.25	14-109	.12	15-109	.08	16-60	.24	.....	..	.....	..	19-109	.20	20-109	.20	21-109	.20	109
110	11-110	.20	12-110	.12	13-99	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-110	.20	20-60	.20	21-60	.20	110
111	11-60	.20	12-60	.12	13-66	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-110	.20	20-60	.20	21-60	.20	111
112	11-60	.20	12-60	.12	13-66	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-110	.20	20-60	.20	21-60	.20	112
113	11-66	.20	12-113	.12	13-113	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-110	.20	20-60	.20	21-60	.20	113
114	11-114	.40	12-114	.20	13-114	.60	14-116	.20	15-114	.12	16-114	.48	17-114	.48	18-114	.40	19-114	.40	20-114	.40	21-114	.40	114
115	11-115	.40	12-114	.20	13-114	.60	14-116	.20	15-115	.12	16-114	.48	17-114	.48	18-114	.40	19-115	.40	20-114	.40	21-114	.40	115
116A	11-116	.40	12-116	.40	13-116	.80	14-116	.20	15-116	.12	16-114	.48	17-114	.48	18-114	.40	19-115	.40	20-114	.40	21-114	.40	116A
116	11-116	.40	12-116	.40	13-116	.80	14-116	.20	15-116	.12	16-114	.48	17-114	.48	18-114	.40	19-115	.40	20-114	.40	21-114	.40	116
117	11-116	.40	12-116	.40	13-117	1.00	14-117	.20	15-117	.12	16-114	.48	17-114	.48	18-114	.40	19-115	.40	20-114	.40	21-117	.40	117
118	11-116	.40	12-116	.40	13-117	1.00	14-117	.20	15-117	.12	16-114	.48	17-114	.48	18-114	.40	19-115	.40	20-114	.40	21-117	.40	118
140	11-155	.20	12-155	.12	13-140	.25	14-140	.20	15-140	.08	16-60	.24	17-60	.24	18-60	.20	19-200	.20	20-155	.20	21-200	.20	140
145	11-155	.20	12-155	.12	13-140	.25	14-140	.20	15-140	.08	16-60	.24	17-60	.24	18-60	.20	19-200	.20	20-155	.20	21-200	.20	145
149	11-49	.20	12-113	.12	13-149	.25	14-60	.12	15-149	.08	16-60	.24	17-60	.24	18-60	.20	19-60	.20	20-60	.20	21-49	.20	149
150	11-155	.20	12-155	.12	13-155	.25	14-60	.12	15-200	.08	16-60	.24	17-60	.24	18-60	.20	19-200	.20	20-155	.20	21-200	.20	150
155	11-155	.20	12-155	.12	13-155	.25	14-60	.12	15-155	.08	16-60	.24	17-60	.24	18-60	.20	19-155	.20	20-155	.20	21-155	.20	155
160	11-155	.20	12-155	.12	13-155	.25	14-60	.12	15-155	.08	16-60	.24	17-60	.24	18-60	.20	19-155	.20	20-155	.20	21-155	.20	160
165	11-155	.20	12-155	.12	13-155	.25	.....	..	.....	..	16-60	.24	17-60	.24	18-60	.20	19-155	.20	20-155	.20	21-155	.20	165
180	11-155	.20	12-155	.12	13-155	.25	14-60	.12	15-155	.08	16-60	.24	17-60	.24	18-60	.20	19-155	.20	20-155	.20	21-155	.20	180
185	11-155	.20	12-155	.12	13-155	.25	.....	..	.....	..	16-60	.24	17-60	.24	18-60	.20	19-155	.20	20-155	.20	21-155	.20	185
190	11-155	.20	12-155	.12	13-155	.25	.....	..	.....	..	16-60	.24	17-60	.24	18-60	.20	19-155	.20	20-155	.20	21-155	.20	190
200	11-155	.20	12-155	.12	13-155	.25	14-60	.12	15-200	.08	16-60	.24	17-60	.24	18-60	.20	19-200	.20	20-155	.20	21-200	.20	200
209	11-155	.20	12-155	.12	13-155	.25	14-99	.12	15-209	.08	16-60	.24	17-60	.24	18-60	.20	19-209	.20	20-155	.20	21-209	.20	209
249	.....	..	.....	..	13-249	.25	.....	..	.....	..	.....	..	.....	..	.....	..	.....	..	.....	..	.....	..	249
250	11-99	.20	12-99	.12	13-99	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-110	.20	20-60	.20	21-60	.20	250
259	11-110	.20	12-110	.12	13-99	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-110	.20	20-60	.20	21-60	.20	259
285	11-60	.20	12-60	.12	13-60	.25	14-60	.12	15-60	.08	16-60	.24	17-60	.24	18-60	.20	19-60	.20	20-60	.20	21-285	.20	285

NOTE: Left Hand Reels require left hand parts such as Main Gear, Pinion, Bridge Sleeve, Dog, Dog Spring, Spool 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.

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 (on right side plate of reel). 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. 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 Screws		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	.08	.....	..	24-85	.60	25-85	.20	.....	..	27-14	.60	.....	..	29-14	1.00	.....	..	30-85	.60	14
49	22-60	.04	23-60	.16	23A-60	.20	24-49	1.20	25-49	.40	26-60	.20	27-49	.60	28-49*	.60	29-49	1.20	29M-49	2.50	30-49	2.00	49
60	22-60	.04	23-60	.16	23A-60	.20	24-66	1.00	25-66	.40	26-60	.20	27-60	.60	28-60	.40	.....	..	29M-60	1.50	30-60	1.00	60
65	22-60	.04	23-60	.16	23A-60	.20	24-66	1.00	25-66	.40	26-60	.20	27-60	.60	28-60	.40	.....	..	29M-65	1.50	30-65	1.00	65
66	22-60	.04	23-60	.16	23A-60	.20	24-66	1.00	25-66	.40	26-60	.20	27-66	.60	2-66	.40	.....	..	29M-66	1.50	30-66	2.00	66
67	22-60	.04	23-60	.16	23A-60	.20	24-66	1.00	25-66	.40	26-60	.20	27-66	.60	2-66	.40	.....	..	29M-67	1.50	30-200	2.00	67
68	22-60	.04	23-60	.16	23A-60	.20	24-66	1.00	25-66	.40	26-60	.20	27-66	.60	2-66	.40	.....	..	29M-68	1.50	30-68	2.00	68
80	22-60	.04	23-85	.08	.....	..	24-85	.60	25-85	.20	26-60	.20	27-85	.60	.....	..	29-85	1.00	.....	..	30-85	.60	80
85	22-60	.04	23-85	.08	.....	..	24-85	.60	25-85	.20	26-60	.20	27-85	.60	.....	..	29-85	1.00	.....	..	30-85	.60	85
99	22-99	.16	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-155	.20	27-99	.60	28-99*	.40	29-99	1.00	29M-99	1.50	30-99	2.00	99
100	22-99	.16	23-60	.16	23A-60	.20	24-160	1.00	25-160	.40	26-155	.20	27-200	.60	28-140	.40	29-100	1.00	29M-100	1.50	30-49	2.00	100
109	22-109	.04	23-180	.16	.....	..	24-109	.80	25-109	.40	26-109	.20	27-109	.60	28-109	.40	29-109	.80	29M-109	1.50	30-109†	1.00	109
110	22-99	.16	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-155	.20	27-110	.60	2-110*	.40	.....	..	29M-110	1.50	30-49	2.00	110
111	22-99	.16	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-60	.20	27-111	.60	2-111*	.40	.....	..	29M-60	1.50	30-111	2.00	111
112	22-99	.16	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-60	.20	27-111	.60	2-111*	.40	.....	..	29M-112	1.50	30-112	2.00	112
113	22-99	.16	23-60	.16	23A-60	.20	24-66	1.00	25-66	.40	26-60	.20	27-113	.60	2-113*	.60	.....	..	29M-67	1.50	30-113	2.00	113
114	23-60	.16	23-114	.24	23A-60	.20	24-114	1.40	25-114	.60	26-114	.40	27-114	1.20	2-114*	.60	.....	..	29M-114	4.00	30-114	3.00	114
115	23-60	.16	23-114	.24	23A-60	.20	24-115	1.40	25-115	.60	26-114	.40	27-115	2.00	28-115*	.80	.....	..	29M-115	6.00	30-115	3.00	115
116A	23-60	.16	23-116	.24	23A-60	.20	24-116	2.00	25-116	.80	26-116	.40	27-116	2.40	28-116*	1.00	.....	..	29M-116A	8.00	30-116A	4.00	116A
116	23-60	.16	23-116	.24	23A-60	.20	24-116	2.00	25-116	.80	26-116	.40	27-116	2.40	28-116*	1.00	.....	..	29M-116	10.00	30-116	4.00	116
117	23-60	.16	23-116	.24	23A-60	.20	24-117	2.20	25-117	1.00	26-117	3.00	27-117	3.00	2-117*	1.00	.....	..	29M-117	16.00	30-117	5.00	117
118	23-60	.16	23-116	.24	23A-60	.20	24-117	2.20	25-117	1.00	26-117	3.00	27-117	3.00	2-117*	1.00	.....	..	29M-118	20.00	30-118	5.00	118
140	22-99	.16	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-140	3.00	27-140	.60	28-140*	.40	29-140	1.00	.....	..	30-200	2.00	140
145	22-99	.16	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-140	3.00	27-140	.60	28-140*	.40	29-145	1.00	.....	..	30-66	2.00	145
149	22-60	.04	23-60	.16	23A-60	.20	24-49	1.20	25-49	.40	26-60	.20	27-149	.60	2-49	.60	29-49	1.20	29M-49	2.50	30-149	1.00	149
150	22-99	.16	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-155	.20	27-200	.60	28-140	.40	29-150	1.00	29M-150	1.50	30-66	2.00	150
155	22-60	.04	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-155	.20	27-155	.60	2-155	.40	29-200	1.00	29M-200	1.50	30-155	1.00	155
160	22-60	.04	23-60	.16	23A-60	.20	24-160	1.00	25-160	.40	26-155	.20	27-155	.60	2-155	.40	29-150	1.00	29M-150	1.50	30-65	1.00	160
165	22-60	.04	23-60	.16	23A-60	.20	24-160	1.00	25-160	.40	26-155	.20	27-155	.60	2-155	.40	29-150	1.00	29M-150	1.50	30-65	1.00	165
180	22-60	.04	23-180	.16	.....	..	24-180	.80	25-109	.40	26-155	.20	27-155	.60	2-155	.40	29-100	1.00	29M-100	1.50	30-180†	1.00	180
185	22-60	.04	23-180	.16	.....	..	24-180	.80	25-109	.40	26-155	.20	27-155	.60	2-155	.40	29-100	1.00	29M-100	1.50	30-180†	1.00	185
190	22-60	.04	23-85	.08	.....	..	24-180	.80	25-109	.40	26-155	.20	27-190	.60	.....	..	29-100	1.00	29M-100	1.50	30-180†	1.00	190
200	22-99	.16	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-155	.20	27-200	.60	28-140	.40	29-200	1.00	29M-200	1.50	30-200	2.00	200
209	22-60	.04	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-155	.20	27-209	.80	● See Page 24		.....	..	29M-209	1.50	30-66	2.00	209
249	.....	..	23-60	.16	23A-60	.20	24-249	1.00	25-249	.20	26-249	.20	27-249	.60	.....	..	29-249	1.20	.....	..	30-149	1.00	249
250	22-99	.16	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-155	.20	27-250	.60	28-250	.40	29-250	1.00	29M-250	1.50	30-200	2.00	250
259	22-99	.16	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-155	.20	27-259	.60	2-110*	.40	29-250	1.00	29M-250	1.50	30-200	2.00	259
285	22-60	.04	23-60	.16	23A-60	.20	24-60	1.00	25-60	.40	26-60	.20	27-85	.60	.....	..	29-85	1.00	29M-60	1.50	30-60	1.00	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. 24-60 (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	.20	31-285	.20	.....	..	.....	..	35-60	.08	36-60	.08	37-60	.16	31-60	.20	31-60	.20	40-60	.20	41-60	.08	14
49	31-110	.20	31-110	.20	33-49	.20	34-49	.16	35-60	.08	36-60	.08	37-49	.16	38-110	.20	38-110	.20	40-60	.20	41-60	.08	49
60	31-60	.20	31-155	.20	.....	..	.....	..	35-60	.08	36-60	.08	37-60	.16	38-60	.20	31-60	.20	40-60	.20	41-60	.08	60
65	31-60	.20	31-155	.20	.....	..	.....	..	35-60	.08	36-60	.08	37-65	.16	38-60	.20	31-60	.20	40-60	.20	41-60	.08	65
66	31-60	.20	31-155	.20	33-200	.20	34-200	.16	35-60	.08	36-60	.08	37-65	.16	38-60	.20	31-60	.20	40-60	.20	41-60	.08	66
67	31-60	.20	31-155	.20	33-200	.20	34-200	.16	35-60	.08	36-60	.08	37-67	.16	38-60	.20	31-60	.20	40-60	.20	41-60	.08	67
68	31-60	.20	31-155	.20	33-200	.20	34-200	.16	35-60	.08	36-60	.08	37-68	.16	38-60	.20	31-60	.20	40-60	.20	41-60	.08	68
80	31-285	.20	32-155	.20	.....	..	.....	..	35-60	.08	36-60	.08	37-60	.16	31-60	.20	31-155	.20	40-60	.20	41-60	.08	80
85	31-285	.20	32-155	.20	.....	..	.....	..	35-60	.08	36-60	.08	37-60	.16	31-60	.20	31-155	.20	40-60	.20	41-60	.08	85
99	31-200	.20	32-110	.20	33-200	.20	34-200	.16	35-60	.08	36-60	.08	37-65	.16	38-200	.20	31-110	.20	40-60	.20	41-60	.08	99
100	31-200	.20	31-285	.20	33-49	.20	34-49	.16	35-155	.08	36-60	.08	37-180	.16	38-200	.20	31-60	.20	40-60	.20	41-60	.08	100
109	31-109	.20	31-109	.20	.....	..	.....	..	35-155	.08	36-109	.08	37-109	.16	38-109	.20	38-109	.20	40-109	.20	41-109	.08	109
110	31-110	.20	32-110	.20	33-49	.20	34-49	.16	35-60	.08	36-60	.08	37-180	.16	38-110	.20	31-110	.20	40-60	.20	41-60	.08	110
111	31-110	.20	32-110	.20	33-200	.20	34-49	.16	35-60	.08	36-60	.08	37-60	.16	38-110	.20	31-110	.20	40-60	.20	41-60	.08	111
112	31-110	.20	32-110	.20	33-200	.20	34-200	.16	35-60	.08	36-60	.08	37-67	.16	38-110	.20	31-110	.20	40-60	.20	41-60	.08	112
113	31-110	.20	32-110	.20	33-200	.20	34-200	.16	35-60	.08	36-60	.08	37-67	.16	38-110	.20	31-110	.20	40-60	.20	41-60	.08	113
114	31-114	.40	32-114	.40	33-114	.20	34-200	.16	35-114	.12	36-114	.12	37-114	.30	38-114	.40	31-115	.40	40-114	.40	41-114	.12	114
115	31-115	.40	32-115	.40	33-114	.20	34-200	.16	35-115	.12	36-115	.12	37-115	.40	38-114	.40	31-115	.40	40-114	.40	41-114	.12	115
116A	31-115	.40	32-115	.40	33-116	.40	34-116	.32	35-115	.12	36-115	.12	37-116A	.40	38-114	.40	31-115	.40	40-116	.40	41-114	.12	116A
116	31-115	.40	32-115	.40	33-116	.40	34-116	.32	35-115	.12	36-115	.12	37-116	.50	38-114	.40	31-115	.40	40-116	.40	41-114	.12	116
117	31-115	.40	31-115	.40	33-117	.40	34-116	.32	35-115	.12	36-117	.12	37-116	.50	38-114	.40	38-114	.40	40-117	3.00	.....	..	117
118	31-115	.40	31-115	.40	33-117	.40	34-116	.32	35-115	.12	36-117	.12	37-118	.60	38-114	.40	38-114	.40	40-117	3.00	.....	..	118
140	31-200	.20	31-110	.20	33-200	.20	34-200	.16	35-155	.08	36-155	.08	37-155	.16	38-200	.20	38-110	.20	40-140	3.00	.....	..	140
145	31-200	.20	31-110	.20	33-200	.20	34-200	.16	35-155	.08	36-155	.08	37-160	.16	38-200	.20	38-110	.20	40-140	3.00	.....	..	145
149	31-149	.20	31-149	.20	.....	..	.....	..	35-60	.08	36-60	.08	37-49	.16	38-60	.20	38-60	.20	40-60	.20	41-60	.08	149
150	31-200	.20	31-285	.20	33-200	.20	34-200	.16	35-155	.08	36-60	.08	37-160	.16	38-200	.20	31-60	.20	40-60	.20	41-60	.08	150
155	31-155	.20	32-155	.20	.....	..	.....	..	35-155	.08	36-155	.08	37-155	.16	31-60	.20	31-155	.20	40-60	.20	41-60	.08	155
160	31-155	.20	32-155	.20	.....	..	.....	..	35-155	.08	36-155	.08	37-160	.16	31-60	.20	31-155	.20	40-60	.20	41-60	.08	160
165	31-155	.20	32-155	.20	.....	..	.....	..	35-155	.08	36-155	.08	37-160	.16	31-60	.20	31-155	.20	40-60	.20	41-60	.08	165
180	31-285	.20	32-155	.20	.....	..	.....	..	35-155	.08	36-155	.08	37-180	.16	31-60	.20	31-155	.20	40-60	.20	41-60	.08	180
185	31-285	.20	32-155	.20	.....	..	.....	..	35-155	.08	36-155	.08	37-180	.16	31-60	.20	31-155	.20	40-60	.20	41-60	.08	185
190	31-285	.20	32-155	.20	.....	..	.....	..	35-155	.08	36-155	.08	37-180	.16	31-60	.20	31-155	.20	40-60	.20	41-60	.08	190
200	31-200	.20	31-285	.20	33-200	.20	34-200	.16	35-155	.08	36-60	.08	37-155	.16	38-200	.20	31-60	.20	40-60	.20	41-60	.08	200
209	31-285	.20	31-155	.20	33-200	.20	34-200	.16	35-155	.08	36-209	.08	• See Page 24		31-60	.20	31-60	.20	40-60	.20	41-60	.08	209
249	31-149	.20	31-149	.20	.....	..	.....	..	35-60	.08	36-60	.08	37-49	.16	38-60	.20	38-60	.20	40-60	.20	41-60	.08	249
250	31-200	.20	31-285	.20	33-200	.20	34-200	.16	35-60	.08	36-60	.08	37-155	.16	38-200	.20	31-60	.20	40-60	.20	41-60	.08	250
259	31-110	.20	32-110	.20	33-200	.20	34-200	.16	35-60	.08	36-60	.08	37-155	.16	38-110	.20	31-110	.20	40-60	.20	41-60	.08	259
285	31-285	.20	32-155	.20	.....	..	.....	..	35-60	.08	36-60	.08	37-60	.16	31-60	.20	31-155	.20	40-60	.20	41-60	.08	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, Spool 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 (on right side plate of reel). 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	.30	43-109	.20	44-109	.20	44A-109	.08	45-109	.25	46-109	.40	46C-109	.80	47-109	.10	48-109	.10	50-109	.20	37S-109	.20
209	42-209	.40	44-109	.20	43-109	.20	44A-109	.08	45-209	.25	46-209	.40	46C-209	.90	47-109	.10	48-109	.10	● See Below		● See Below	

	No. 61 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	
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	2.00	62-209	.20	63-209	.30	64-209	.40	65-209	.24	66-209	.30	67-209	.24

● 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. 109 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 numerical order. 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 front plate of Reel.)

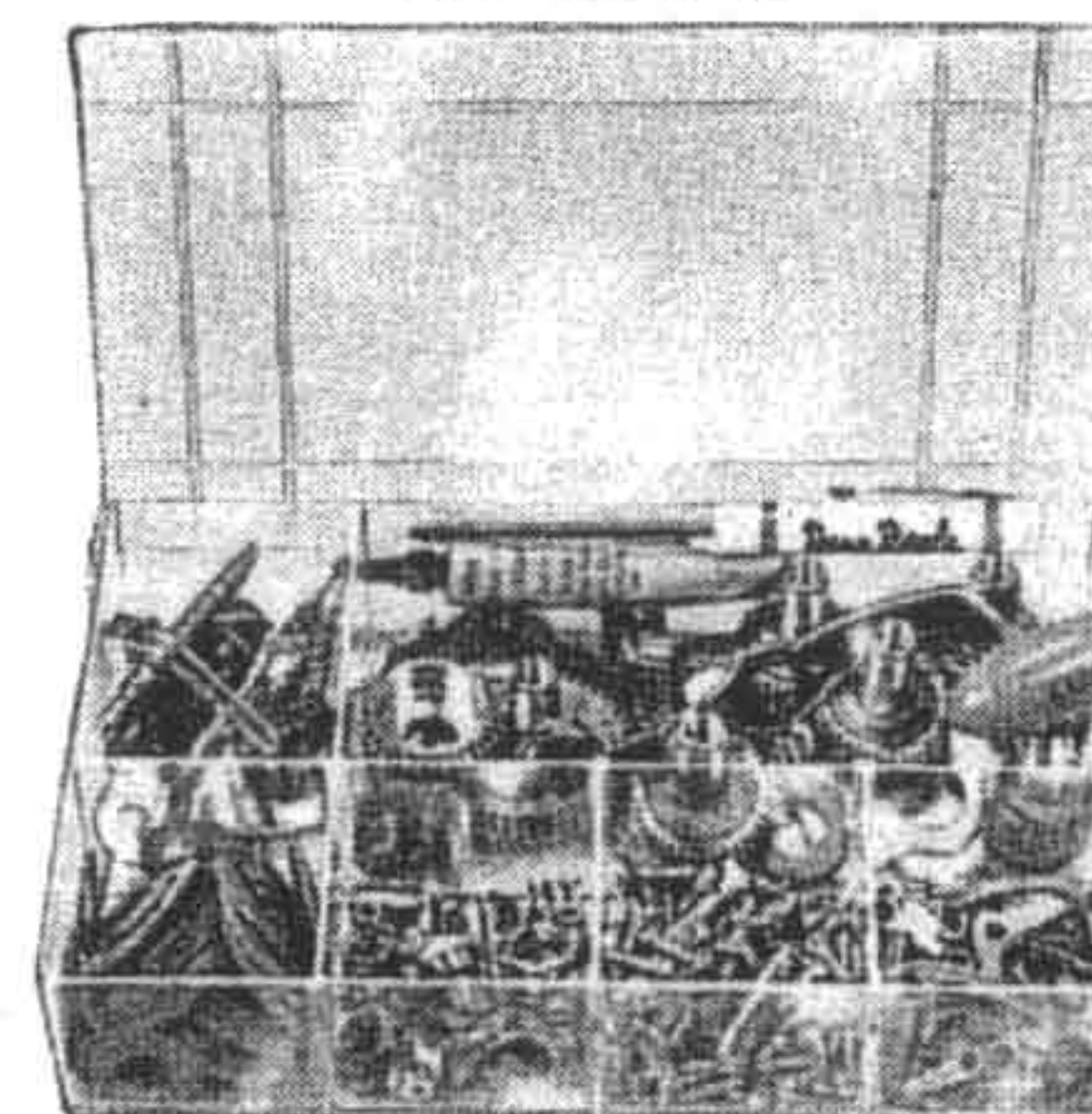
NOTE WHEN ORDERING PARTS

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.

WHEN SENDING REEL FOR REPAIR

1. It is not necessary to send the reel to us as many Penn Reel Dealers maintain a repair department. If no local service is available, send the reel to us with a letter stating what repairs seem to be necessary. Print name and address plainly to avoid delay and loss.
2. On receipt of your package you will receive our acknowledgment promptly. Reels will be returned within a week by parcel post insured, and if any charge, reels will be returned C.O.D. We can repair Penn Reels only, as our parts will not fit other reels.

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.

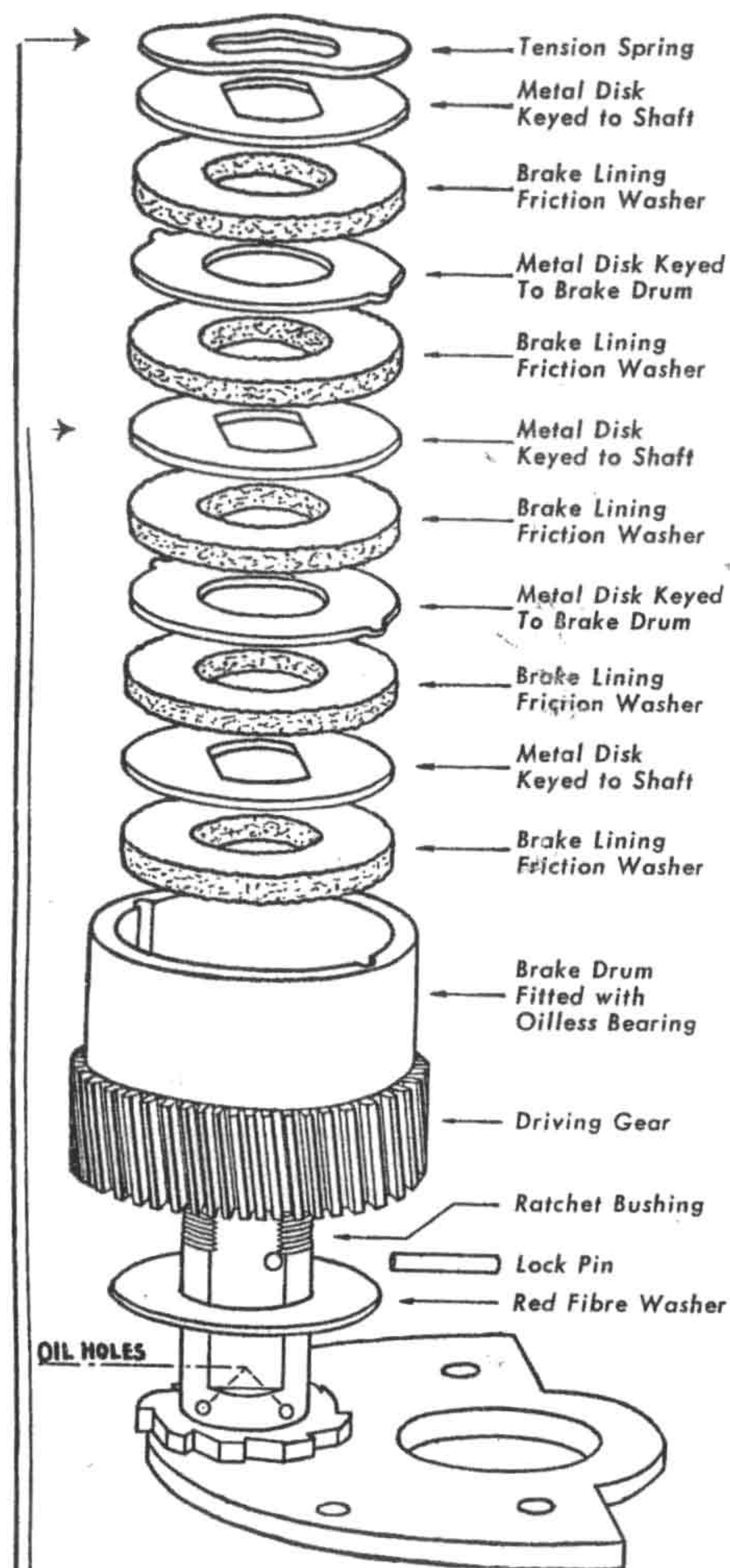
PARTS KIT No. 6—\$18.00
For all Penn Reels

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

PARTS KIT No. 4—\$18.00
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



SENATOR STAR DRAG

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

DIRECTIONS FOR ASSEMBLING

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

Drag Assembly 6/0 to 9/0 including Tension Spring
 Drag Assembly for Senator reels 10/0 to 16/0 with brake lining friction washers. Same assembly for reels 2/0, 3/0, 4/0, 66, 67, 68 with leather washers.

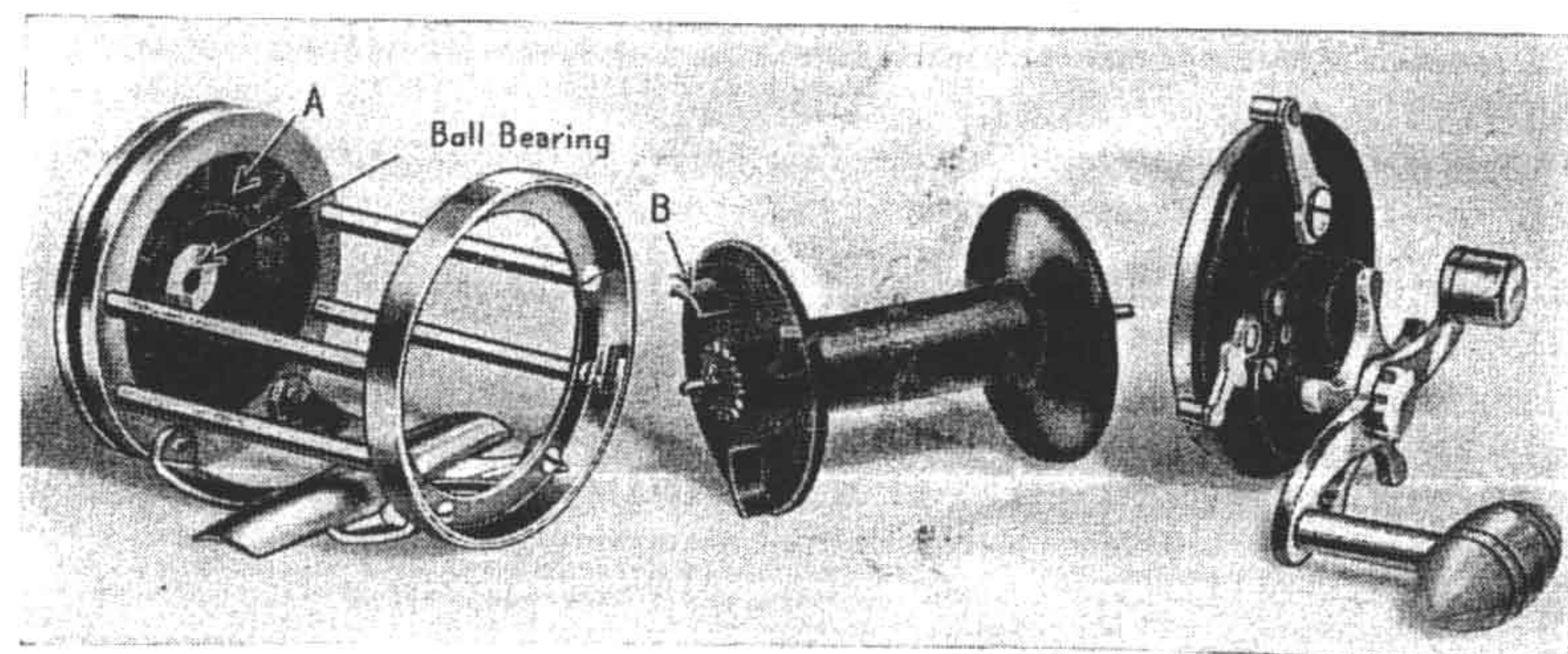
TO REMOVE FRICTION WASHERS WITHOUT TAKING REEL APART

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

PENN "SYNCHRONIZED" SPOOL

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

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



CONSTRUCTION OF PENN "AIR BRAKE"

(Patent No. 2190786)

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

CASTING WITH "SYNCHRONIZED" SPOOL

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

EVERY PENN REEL PART IS MADE IN OUR OWN FACTORY

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 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. After using, fold tube over at the bottom.

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

CLEANING THE REEL

Should sand get into your reel, take the reel apart and wash the parts with gasoline or kerosene, allowing them to dry before oiling. Our *Take Apart* reels can easily be taken apart (See instructions on page 25). On all other models remove the plate screws and the reel will come apart. A combination wrench and screw driver is packed with every PENN reel. For reassembling, see instructions on page 25.

THE SERVICING OF THE REEL

Due to the watch-like mechanism of our reels, we do not advise taking reel apart for any other purpose than cleaning. For repairs, we recommend taking the reel to an experienced repairman or sending the reel back to the factory. We will gladly replace parts and put the reel in perfect working condition at a very low cost. For the expert our instructions on pages 24 and 25 will be very helpful.

REPAIR PARTS

Greatest care is given to standardization of all parts wherever possible. Therefore, most parts are standard size and *interchangeable* regardless of type or size of the reel—a feature which has never before been accomplished in the reel industry. This factor is of utmost importance in the servicing and economy of the reel. For the repairman our assortment of parts listed on pages 20 to 24 is very helpful.

THE CARE OF THE LINE

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

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 getting discouraged and missing the enjoyment of the sport.

THE LINE

The length and size of the line is the most decisive factor in selecting a well balanced and satisfactory fishing outfit. Lines are made from 6-thread to 72-thread and in any required length. Selection depends largely on the style of fishing and local conditions. For bay fishing 100 yards to 150 yards of either 6-thread or 9-thread is sufficient. Surf fishing requires 200 yards of 9-thread to 12-thread. For offshore bottom fishing, lines commonly used are 100 to 200 yards of from 12-thread to 15-thread, selection depending largely on the depth of water and tide currents. Off-shore trolling lines run all the way from 200 yards of 12-thread up to 1000 yards or more of 72-thread. For trolling, we refer you to our chart on page 17.

THE REEL

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

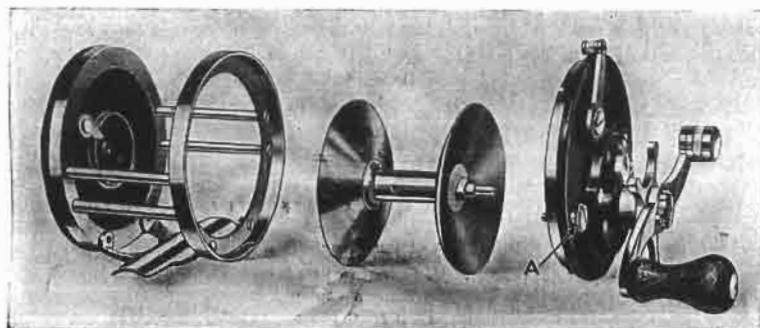
END TACKLE

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

CONSTRUCTION OF PENN FISHING REELS

DETAILS OF CONSTRUCTION

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



TAKE APART CONSTRUCTION

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

FREE SPOOL CLUTCH

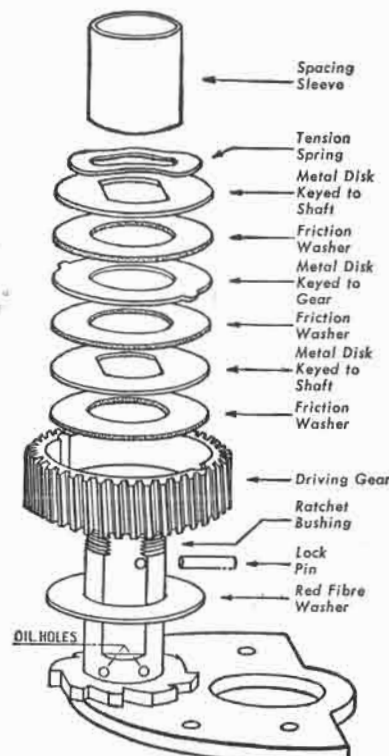
Patent No. 1952756—March 27, 1934

We employ our patented Free Spool Clutch to engage gear train. The free spool Snap lever is conveniently located on rim and enables the fisherman to throw the reel into free spool or apply the drag instantly and without danger, as the gears always remain in mesh and cannot strip. Free spool Snap lever (A) locked in its extreme end positions by stainless steel spring (C). Eccentric (B) operates jack (D), which raises or lowers spring pressed clutch yoke (E), which in turn engages or disengages pinion (F) with spool.

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

bridge to the right in position (2) and tighten bridge screws (H) and clutch yoke guide screws (K—short threaded).



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

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."

DIRECTIONS FOR ASSEMBLING

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



OILING SYSTEM

Patent No. 1952756

All our reels are equipped with dustproof and waterproof lubricating nipples on the outside, from which by means of an intricate system of oil channels, the lubricant is forced under pressure to the vital points. Built-in oil reservoirs provide for complete safety. 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.

PENN REEL PARTS ARE STANDARDIZED AND INTERCHANGEABLE

Helpful tips for the Fisherman

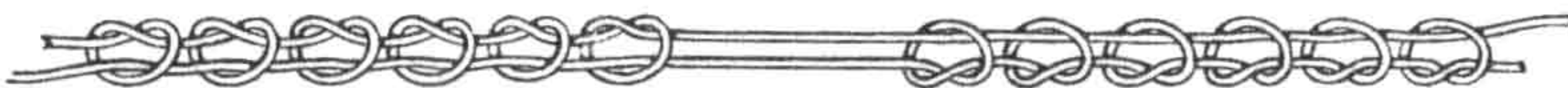
TO FIND LINE CAPACITY OF THE REEL

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.

ESTIMATING WEIGHT OF FISH

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

THE BACKLASHER

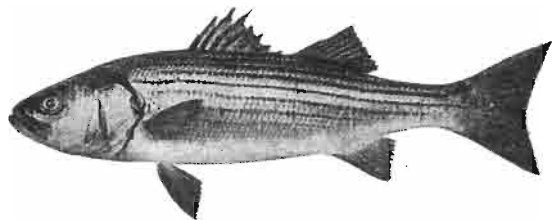
Many a beautiful cast was started with the intention of throwing the lead far out into the breakers, only to see the sinker stop suddenly in midair and leave the line on the spool in a tangled mass, the so-called bird's nest. The cause of this is an over-running spool, which means that the spool is paying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

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

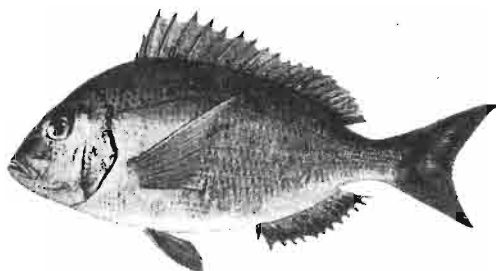
LIGHT WEIGHT SPOOLS

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

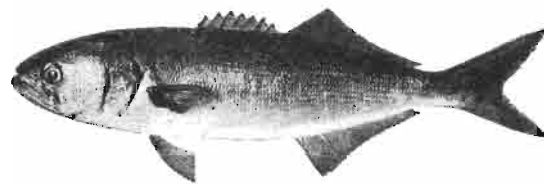
New York Salt Water Fish



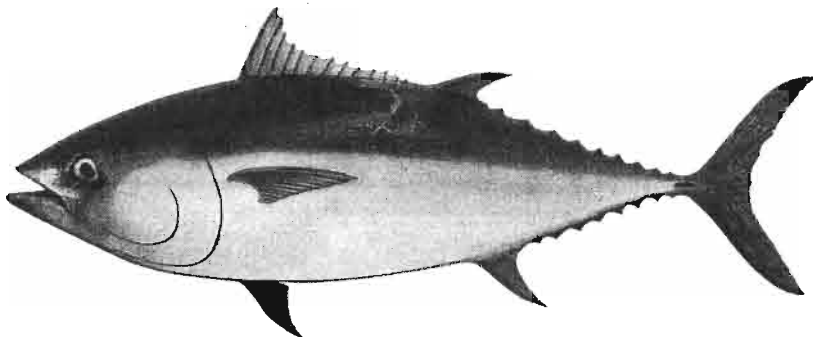
STRIPED BASS (Rock Fish)
Record Weight 57 lbs.



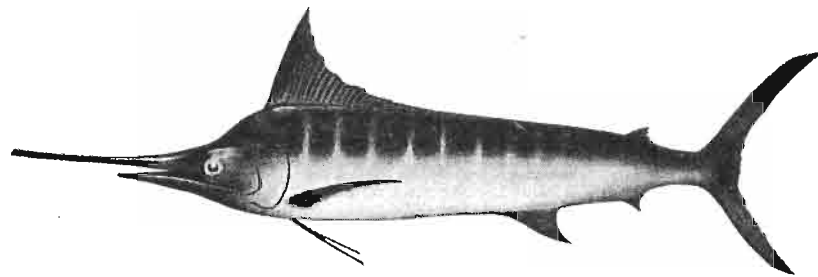
PORGY
Record Weight 5 lbs.



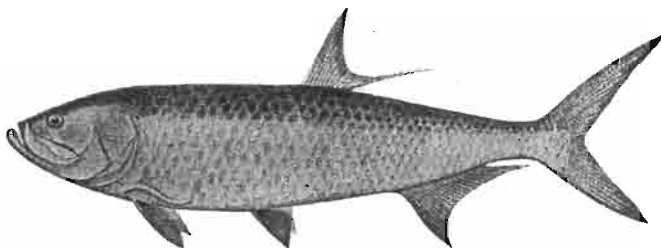
BLUEFISH
Record Weight 25 lbs.



BLUEFIN TUNA
Record Weight 927 lbs.



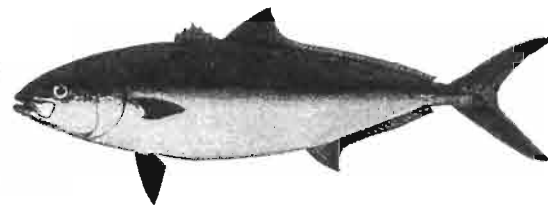
MARLIN (Striped)
Record Weight 692 lbs.



TARPON (Silver King)
Record Weight 247 lbs.

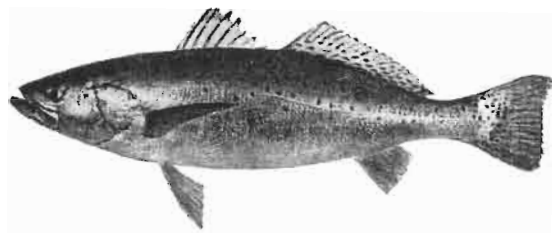


BARRACUDA (Sea Tiger)
Record Weight 67 lbs.

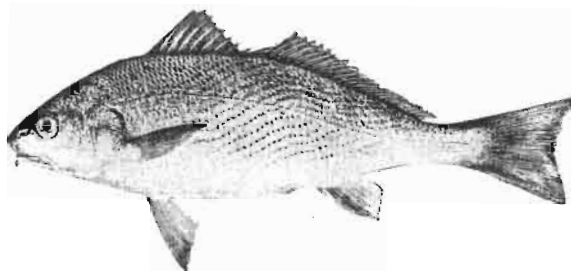


YELLOWTAIL
Record Weight 90 lbs.

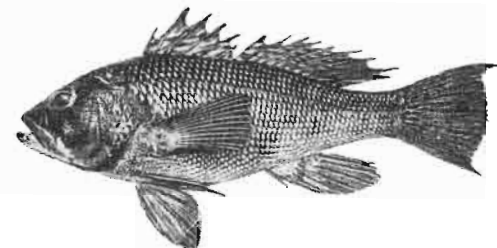
Know your salt water fish



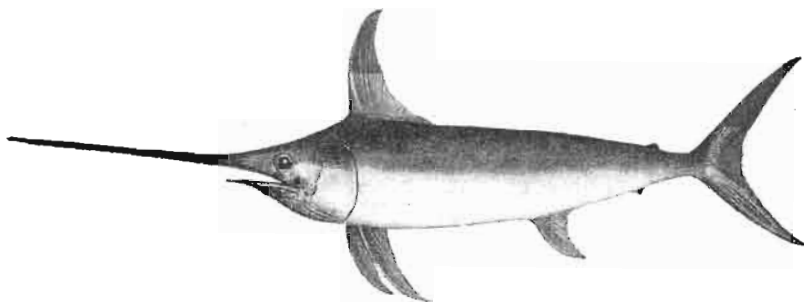
WEAKFISH (Sea Trout)
Record Weight 17 lbs. 8 oz.



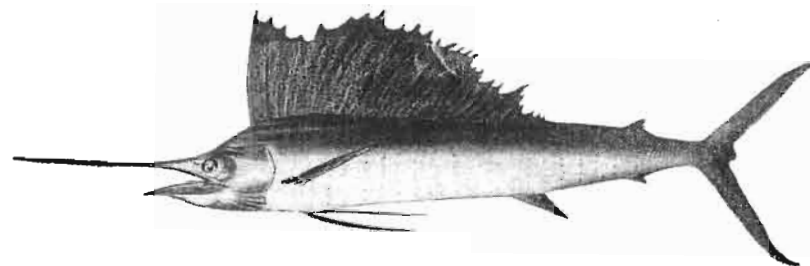
CROAKER (Hardhead)
Record Weight 7 lbs.



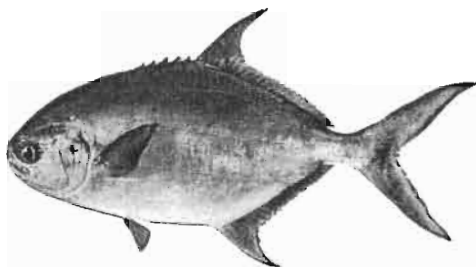
SEA BASS
Record Weight 8 lbs.



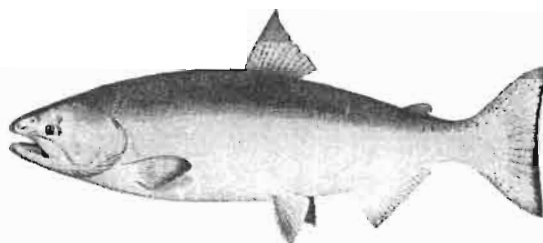
BROADBILL SWORDFISH
Record Weight 860 lbs.



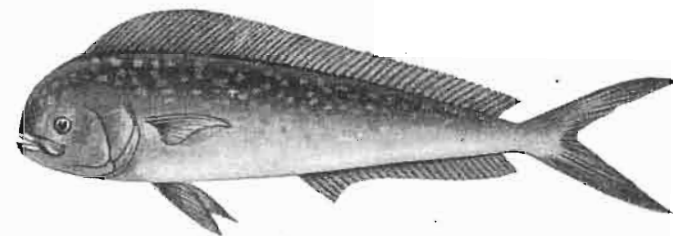
SAILFISH
Record Weight 221 lbs.



POMPANO
Record Weight 30 lbs.

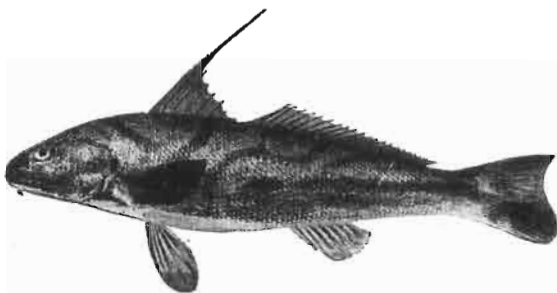


CHINOOK SALMON
Record Weight 83 lbs.

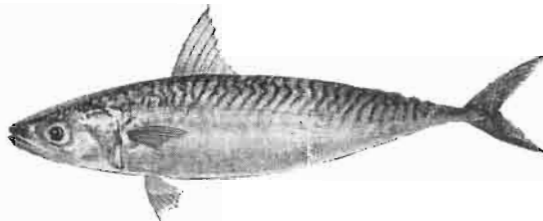


DOLPHIN (Dorado)
Record Weight 67½ lbs.

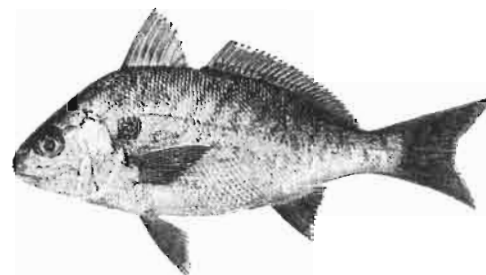
Know your salt water fish



KINGFISH
Record Weight 6 lbs.



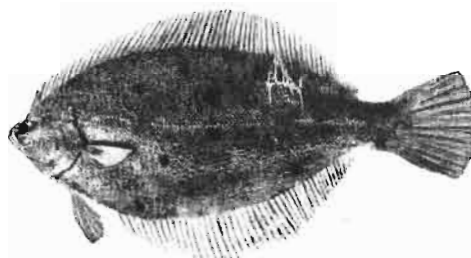
MACKEREL
Record Weight 8 lbs.



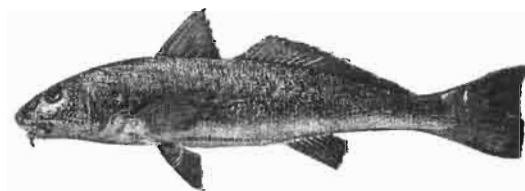
SPOT
Record Weight 1 1/2 lbs.



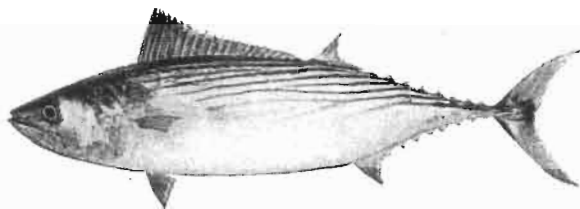
WHITE SEA BASS
Record Weight 74 lbs. 4 oz.



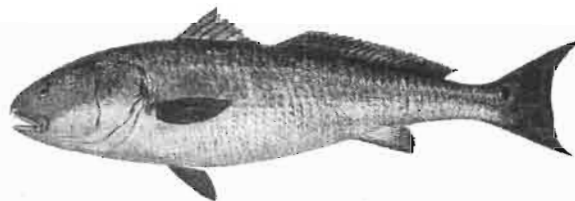
FLOUNDER
Record Weight 20 lbs.



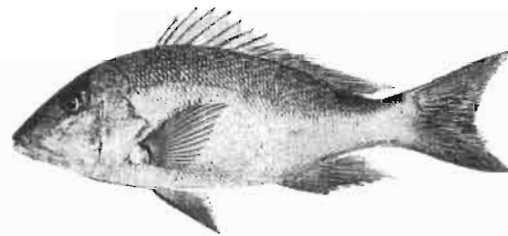
CORBINA
Record Weight 9 lbs.



BONITO
Record Weight 31 lbs. 8 oz.



CHANNEL BASS (Red Drum)
Record Weight 75 1/2 lbs.



RED SNAPPER
Record Weight 12 lbs.

Penn Reel Catches



Phares Snavelly of Irvine, Calif., made a most spectacular catch in boating this 137-lb. Marlin from a party boat using a 150-yard size Penn Reel and a homemade Calcutta Rod.



To prove that women are winning fishing honors, Rita Buitron Torres took the Ladies' Division prize at the Tampico Tarpon Rodeo with a 141.5-lb. Tarpon caught with a Penn Long Beach Reel.



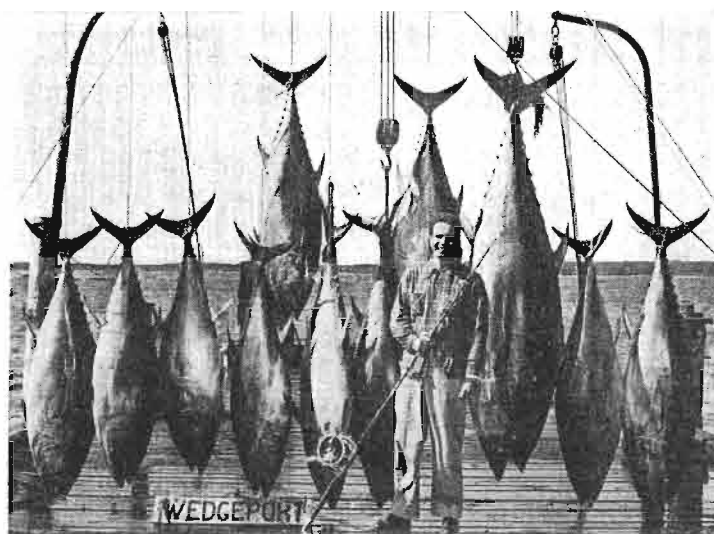
The Penn 49 Reel was used to land this 114-lb. Tuna at Cape Town, So. Africa. This fish is reported as being the largest caught from shore using light tackle.



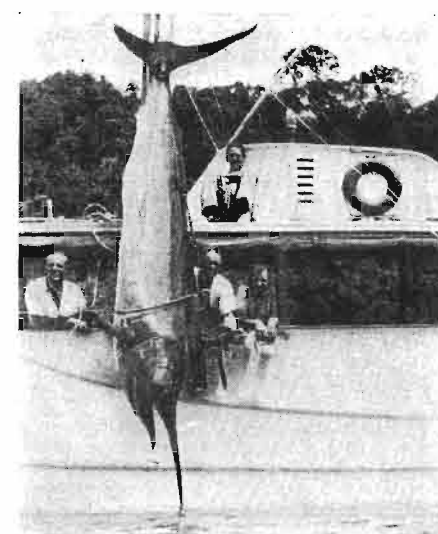
W. E. Allison, of Stuart, Fla., stands proudly beside the largest fish ever caught in the St. Lucie River on rod and reel, a 367-lb. Jewfish taken with a Penn No. 65 Long Beach Reel.



Fishing is the major sport here at the Penn Co. Taking top honors for 1949, Ernest Haecker, Gen. Mgr., boated this 611-lb. Tuna while fishing at Wedgeport, N. S.



All in a day's fishing at Wedgeport, N. S., Dr. Claude S. LaDow, Jr., of Philadelphia, boated 11 Tuna using a 14/0 Penn Senator Reel. The total weight of the catch was 2,400 lbs. The largest fish weighed 630 lbs. This is the biggest single day Tuna catch made by one person.



1,006-lb. Marlin caught by Louis Schmidt, Jr., at Balboa Canal Zone, using a 10-year-old 16/0 Penn Senator Reel. This is the largest fish reported caught on rod and reel in 1949.

WORLD'S RECORD SALT WATER GAME FISH

SPECIES	MEN'S RECORDS							WOMEN'S RECORDS						
	Weight	Length	Girth	Where Caught	Date Caught	Angler	Line Test Class (in lbs.)	Weight	Length	Girth	Where Caught	Date Caught	Angler	Line Test Class (in lbs.)
ALBACORE	66 lbs. 4 oz.	....	....	Catalina, Calif.	1912	F. Kelly	30	55¼ lbs.	....	....	Catalina, Calif.	Sept. 1927	Mrs. Lee M. Doxie	30
AMBERJACK	106 lbs.	5' 8½"	37"	Passagrille, Fla.	March 21, 1937	H. M. Harker	80	47 lbs.	3' 11"	28"	Bimini, B.W.I.	May 26, 1948	Gladys Gearing	30
BARRACUDA	67 lbs.	5' 5"	29¾"	Islamorada, Fla.	Jan. 29, 1949	H. K. Goodstone	80	59½ lbs.	4' 11"	25½"	Key Largo, Fla.	Sept. 6, 1948	Charlotte Sibole	50
BASS (Cal. Black Sea)	306 lbs.	....	....	Catalina, Calif.	Sept. 4, 1935	S. Bagby	30							
BASS (Cal. White Sea)	74 lbs. 4 oz.	6' 4"	30"	Playa del Rey, Calif.	March 8, 1941	W. M. Hartness	30	35 lbs.	52½"	25½"	Catalina, Calif.	June 1, 1949	Marion H. Wilcox	20
BASS (Channel)	75½ lbs.	64¾"	41"	Cape Hatteras, N. C.	Nov. 29, 1941	B. R. Ballance	50	52 lbs.	44"	30"	Cape Charles, Va.	May 31, 1936	Mrs. R. P. Deubell	50
BASS (Striped)	57 lbs.	55½"	34½"	Narragansett, R. I.	July 26, 1944	J. Sylvester	20							
BONEFISH	16 lbs.	38"	17½"	West Molokai, T. H.	Nov. 30, 1948	C. M. Cooke III	50	12 lbs. 6 oz.	....	....	Bimini, B.W.I.	Feb. 2, 1946	Mrs. C. O. Hohn	30
BONITO (Arctic)	31 lbs. 8 oz.	35"	26"	Miami Beach, Fla.	Jan. 8, 1949	R. Lindquist	80							
CERO (or Florida Kingfish)	70 lbs. 8 oz.	....	....	Bimini, B.W.I.	March 5, 1947	R. C. B. Morton	80	44 lbs.	58"	23"	Miami Beach, Fla.	Jan. 27, 1948	Mrs. Henrietta Butts	50
COBIA	102 lbs.	70"	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
DOLPHIN	67½ lbs.	68½"	37½"	Waianae, T. H.	Aug. 19, 1940	F. McNamarra	130	58 lbs.	....	....	Havana, Cuba	May 10, 1941	Mrs. James Simpson, Jr.	30
DRUM (Black)	52 lbs.	45"	31"	Matanzas Bay, Fla.	April 9, 1948	J. Carver Harris	50							
FLOUNDER (Summer)	20 lbs.	37"	32"	Oak Beach, N. Y.	Sept. 7, 1948	F. H. Kessel	20							
JEWFISH	551 lbs.	8' 4"	....	Galveston Bay, Tex.	June 1937	G. Pangarakis	80							
MARLIN (Blue)	742 lbs.	12' 10½"	68"	Bimini, B.W.I.	June 19, 1949	Aksell Wichfeld	130	730 lbs.	....	60¾"	Cat Cay, B.W.I.	June 6, 1939	Mrs. Henry Sears	80
MARLIN (Pacific Black)	976 lbs.	12' 8"	6' 2"	Bay of Islands, New Zealand	Feb. 25, 1926	L. Mitchell	130	823 lbs.	12' 9½"	5' 10"	Cape Brett, New Zealand	Feb. 6, 1932	Mrs. Eastham Guild	130
MARLIN (Silver)	618 lbs.	11' 6"	5' 2"	Tahiti	March 1930	Zane Grey	130							
MARLIN (Striped)	692 lbs.	13' 5"	....	Balboa, Calif.	Aug. 18, 1931	A. Hamann	80	403 lbs.	10'	4' 4¼"	Tocopilla, Chile	June 21, 1940	Mrs. Michael Lerner	130
MARLIN (White)	161 lbs.	8' 8"	33"	Miami Beach, Fla.	March 20, 1938	L. F. Hooper	80	152 lbs.	8' 3"	40"	Bimini, B.W.I.	March 14, 1936	Mrs. Marion Stevens	130
PERMIT	39 lbs. 8 oz.	41" 39¾"	32" 29½"	Bimini, B.W.I. Long Key, Fla.	March 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
SAILFISH (Atlantic)	106 lbs.	....	....	Miami Beach, Fla.	1929	Wm. Bonnell	80	104½ lbs.	7' 11"	31"	Miami Beach, Fla.	March 22, 1939	Ruth Edmands	80
SAILFISH (Pacific)	221 lbs.	10' 9"	....	Santa Cruz Is. Galapagos Is.	Feb. 12, 1947	C. W. Stewart	130	128 lbs.	9' 8"	33"	San Jose Is., Panama	Aug. 30, 1947	Mrs. H. R. Knapp	30
SAWFISH	736 lbs.	14' 7"	....	Galveston, Tex.	Sept. 4, 1938	G. Pangarakis	130							
SHARK (Mako)	1000 lbs.	12'	....	Mayor Is., New Zealand	March 14, 1943	B. D. H. Ross	130	647 lbs.	10' 2½"	....	Cat Cay, B.W.I.	April 8, 1941	Mrs. Emory Ford	130
SHARK (Man-eater or White)	1919 lbs.	14' 8"	8' ½"	Kangaroo Is., Australia	May 12, 1941	G. R. Cowell	180	613 lbs.	10' 4½"	61"	Dangerous Reef, Australia	Nov. 30, 1939	Mrs. G. R. Cowell	130
SHARK (Tiger)	1382 lbs.	13' 10"	7' 9"	Sydney Heads, Australia	Feb. 22, 1939	L. Bagnard	130							
SNOOK (or Robalo)	50½ lbs.	55"	....	Gatun Spillway, Canal Zone	Jan. 2, 1944	J. W. Anderson	130	26 lbs. 2 oz.	40¾"	23¼"	Miami Beach, Fla.	June 20, 1949	Mrs. D. L. Medrano	30
SWORDFISH	860 lbs.	13' 9"	5' 10"	Tocopilla, Chile	April 28, 1940	W. E. S. Toker	130	659 lbs.	13'	5' 2"	Tocopilla, Chile	June 12, 1941	Mrs. S. K. Farrington, Jr.	80
TARPON	247 lbs.	7' 5½"	....	Panuco River, Mexico	March 24, 1938	H. W. Sedgwick	130	187 lbs.	7'	44½"	Boca Grande Pass, Fla.	Jan. 24, 1943	Mrs. A. J. Drexel	80
TUNA (Allison)	265 lbs.	73"	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)	927 lbs.	10' 3"	6' 8"	Ipswich Bay, Mass.	Aug. 25, 1940	J. Vernaglia	180	882 lbs.	110"	83.5"	Wedgeport, Nova Scotia	Sept. 6, 1947	Mrs. B. D. Crowinshield	130
WAHOO	133½ lbs.	6' 11"	31"	Green Cay, B.W.I.	April 24, 1943	K. L. Ames, Jr.	80	110 lbs.	72"	29"	Walker Cay, B.W.I.	April 1, 1941	Mrs. B. D. Crowinshield	130
WEAKFISH	17 lbs. 8 oz.	46"	19"	Mullica River, N. J.	Sept. 30, 1944	A. Weisbecker, Jr.	50							
WEAKFISH (Spotted)	15 lbs. 3 oz.	34½"	20½"	Fort Pierce, Fla.	Jan. 13, 1949	C. W. Hubbard	50							
YELLOWTAIL	90 lbs.	59"	35½"	La Paz, Mexico	June 25, 1948	F. Hickey	80	37 lbs.	3' 10"	25½"	Bermagui, Australia	Feb. 2, 1949	Mrs. S. K. Farrington, Jr.	80

NOTICE: This Chart marks the transition from thread to tensile strength of line classification of record catches. Record supplied by International Game Fish Association. Previous Records of fish caught on line tests over 180 lbs. are not shown on the latest chart. Records up to August 15, 1949.



Penn Reels