

Penn Reels

CATALOG No. 18

with

INSTRUCTION MANUAL

and

REPAIR PARTS LIST



PENN FISHING TACKLE MFG. CO.

PHILADELPHIA 32, PA.

PRINTED IN U.S.A.

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Sport Fishing

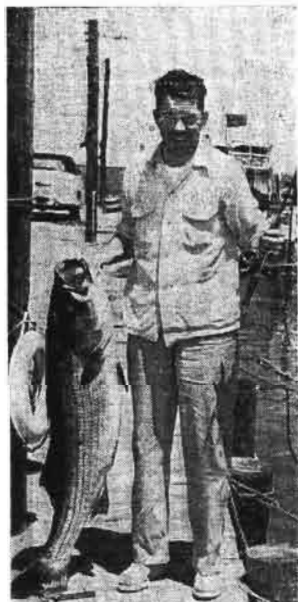
SPORT FISHING is fishing for the love of fishing, not fishing for meat.

Thousands of anglers enjoy their favorite sport in American waters, which offer fishing opportunities unequalled anywhere in the world. The placid bays and lakes, with their trout and muskies, the roaring surf with its kingly stripers and channel bass, the deep blue sea with its tuna, sails and marlin, not to forget many lowly species, all combine to make an angler's paradise.

Nearly every red-blooded man likes to fish. There was a time when man fished to live—our hardy commercial fishermen of to-day still do—but many more, the world over, fish for the sport of it. The joy and pleasure one experiences during fishing are an integrating force, which often restores a man physically and emotionally. Truly, the proverb that, "ALLAH DOES NOT DEDUCT FROM MAN'S ALLOTTED TIME THOSE HOURS SPENT IN FISHING," is more than a literary gem, it is a caution worth heeding.

Call us Fishermen or Anglers, whichever you wish, but just allow us time to fish. It's a grand sport and the finest pastime—it's our sport, and—WE LOVE IT!

THE TACKLE'S THE THING



Forrest R. Smith
Havertown, Pa.
45 1/2 lb. Bass
#180 Reel

Hark you well, you folks who tell
Of the wonder fish you've caught.
How much it weighed; the leaps he made,
And the length of time he fought.

We're asking you, so tell us true,
What tackle do you use?
Is it the kind which brings to mind,
A billiardist would choose?

A hardwood stick two inches thick,
The strongest line they make?
Have you a rule that just a fool
Would give a fish a break?

Then, Mister Man, you never can
Be named a sportsman true.
Each fish you kill lacks angling skill;
No glory is your due!

But do you play the better way,
With tackle that is light
When it's an even bet which one will get
The better of the fight?

He shakes his head—you're filled with dread.
You know the margin's fine.
You fight like sin to bring him in;
He fights to break the line.

There's tragic doubt, as the line runs out,
If he'll stop before it's gone.
With gentle feel, you thumb the reel—
Make use of skill, not brawn.

So here's a toast to the unsung host
Who fish for FUN, NOT MEAT,
Who get their prey the sporting way,
And then find—victory—sweet.

By Ralph Stevens, "The Fishin' Fool," Oakland, Cal.

Trolling

Whether one trolls from a rowboat on a moonlit night on a lily-studded lake as smooth as glass, in search of bass or pickerel, or the white-capped expanse of the broad ocean from a husky sport fisherman in quest of sailfish, marlin, kings, barracuda or beautiful dolphin, or is drenched by the wind-whipped spray of the rushing and roaring rip while out in a "NOVY" lobster boat on Soldier's Rip in Nova Scotia for tuna, trolling has an attraction and fascination for anglers which is perhaps not equalled by any other method of fishing.

The anxious moments (sometimes hours) of awaiting a strike, the uncertainty of the variety and size of fish about to be hooked, the climactic moment of setting the hook—and then—the terrific rushes and surges of a never-say-die game fish, and lastly, after a challenging knock-down and drag-out struggle with a giant of the deep fighting for liberation, the successful boating of the fish, all provide never-to-be-forgotten thrills for adventure-seeking mortals. Matching your strength and cunning against that given to dwellers of the deep by Mother Nature will test your physical as well as intellectual mettle (one has to be smarter than the fish) and offers a challenge greater than found in most sports.

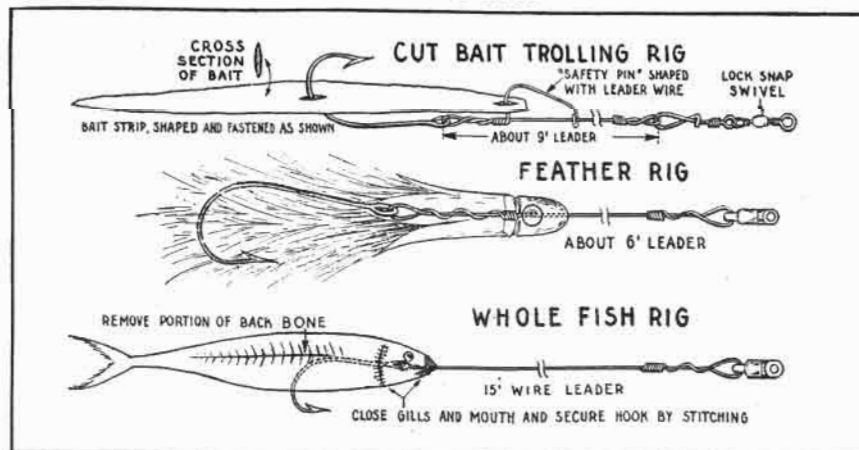
For greatest enjoyment of fishing thrills, tackle should be well-balanced. Rod should be suitable for both angler and fish sought, reel large enough to hold, without overfilling, enough line to fight the fish, line of a diameter to give the fish a break, leader of reasonable size; and when doubling line, doubled section should not exceed length of leader.

The suggestions on "Balanced Tackle" chart on page 17 should be considered as a middle-of-the-road guide to help in tackle selection. They are not intended to conflict with existing codes of fishing clubs. Too radical a departure from accepted average weight of tackle used, either on the light or heavy side, is not advisable. Extremes contradict practicality.



Lou Kramer, Baltimore

TROLLING RIGS



Bottom Fishing



Carmine B. Morelli, Jr.
65½ lb. Halibut, #60 Reel

Wherever there are concentrations of population near good harbors and fishing grounds, there are opportunities for bottom fishing. Boats of many descriptions, from workboat conversions to specially built party steamers, take thousands of men, women and children to offshore fishing grounds daily throughout the year, for a day's fishing, at a very nominal cost.

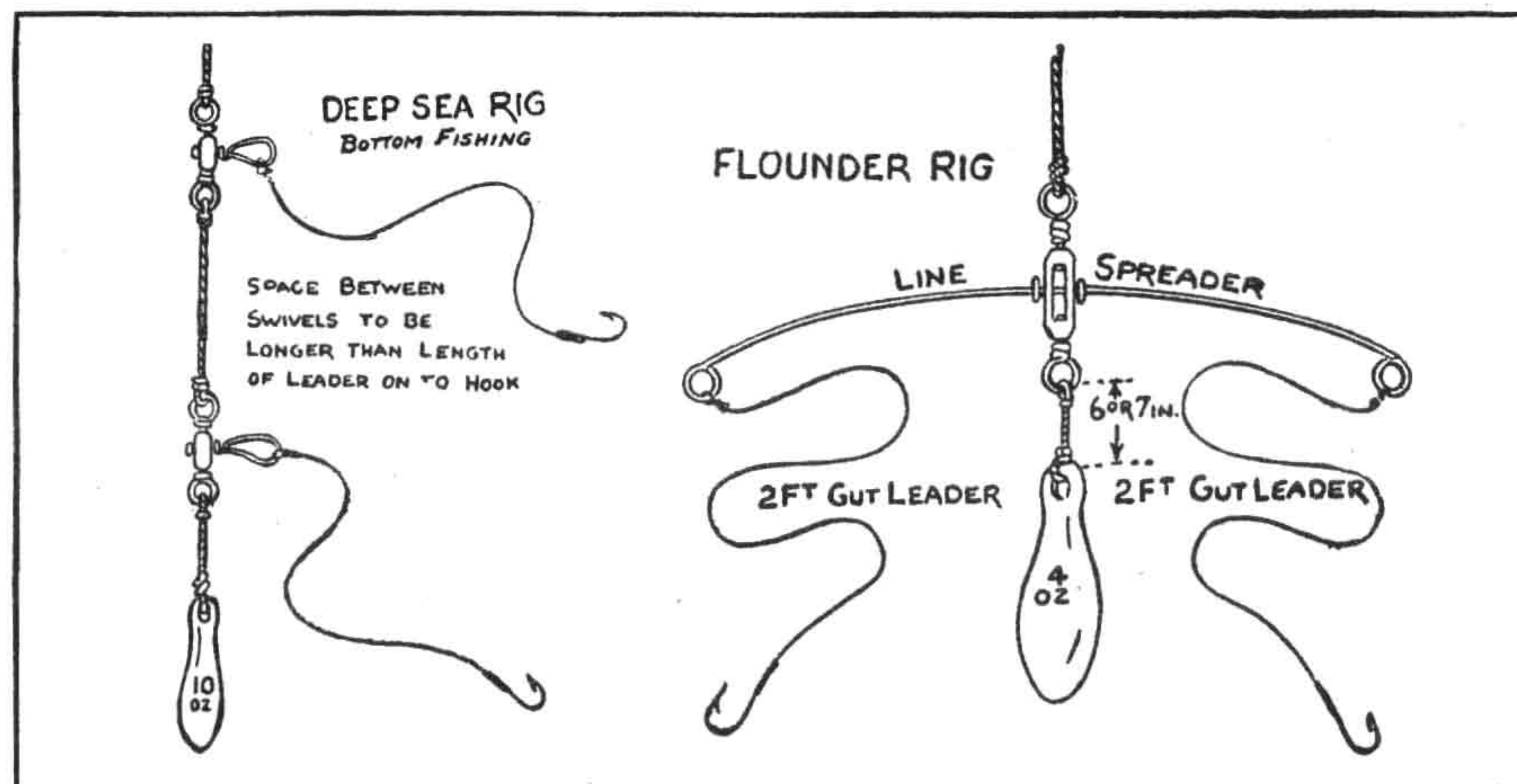
Experienced captains take their boats to sea and anchor them over rocks, gravel and wrecks of sunken vessels, where natural feed in the form of various crustaceans have attracted bottom fish. Fishing is done by baiting the hooks with clams, crabs, squid, worms or fish-bait, and letting the sinker take the rig to the bottom. The weight of the sinker varies with prevailing conditions—depth of water, strength of current, etc.—also thickness of line.

Tackle for bottom fishing varies greatly depending on the locality and kind of fish sought. It is safe to say, however, that a good multiplying reel having a capacity of from 100 to 200 yards, is universally satisfactory. Line therefor should be from 9 to 12 thread or its nylon equivalent; and end tackle should include swivels, sinkers and snelled hooks. For rod selection, heed the advice of the local tackle dealer. Below are shown some commonly used bottom rigs.

On pages 8-10 and 11 are shown reels designed for bottom fishing. They are strongly built

and have moderately high gear ratios, which, in conjunction with the oversize torpedo-grip handles, give the fisherman a powerful reel for fast line retrieve. The Long Beach line of reels is also suited for wire line fishing.

BOTTOM FISHING RIGS



Bay Fishing

Fishing inlets, bays, channels and marshland creeks from rowboats, outboards and small inboard motorboats furnishes pleasure and recreation to thousands of fishermen and their families each year.

While to many, inland waters look fishless, the angler who knows where, when and how to fish is often rewarded by good catches of many species of game fish, which come into shallow inland waters to feed and spawn. It is in this kind of fishing that the local expert, wise in the ways of tides, baits, bottom conditions and feeding habits of fish, makes the transient summer fisherman appear like a rank novice by comparison. Anchored only yards away from others, the local expert hauls in one fish after another, to the amazement of the surprised visitors, and suddenly calls it a day with the remark, "They won't bite anymore now," when a certain stage of the tide has been reached. This must be classed as local knowledge.

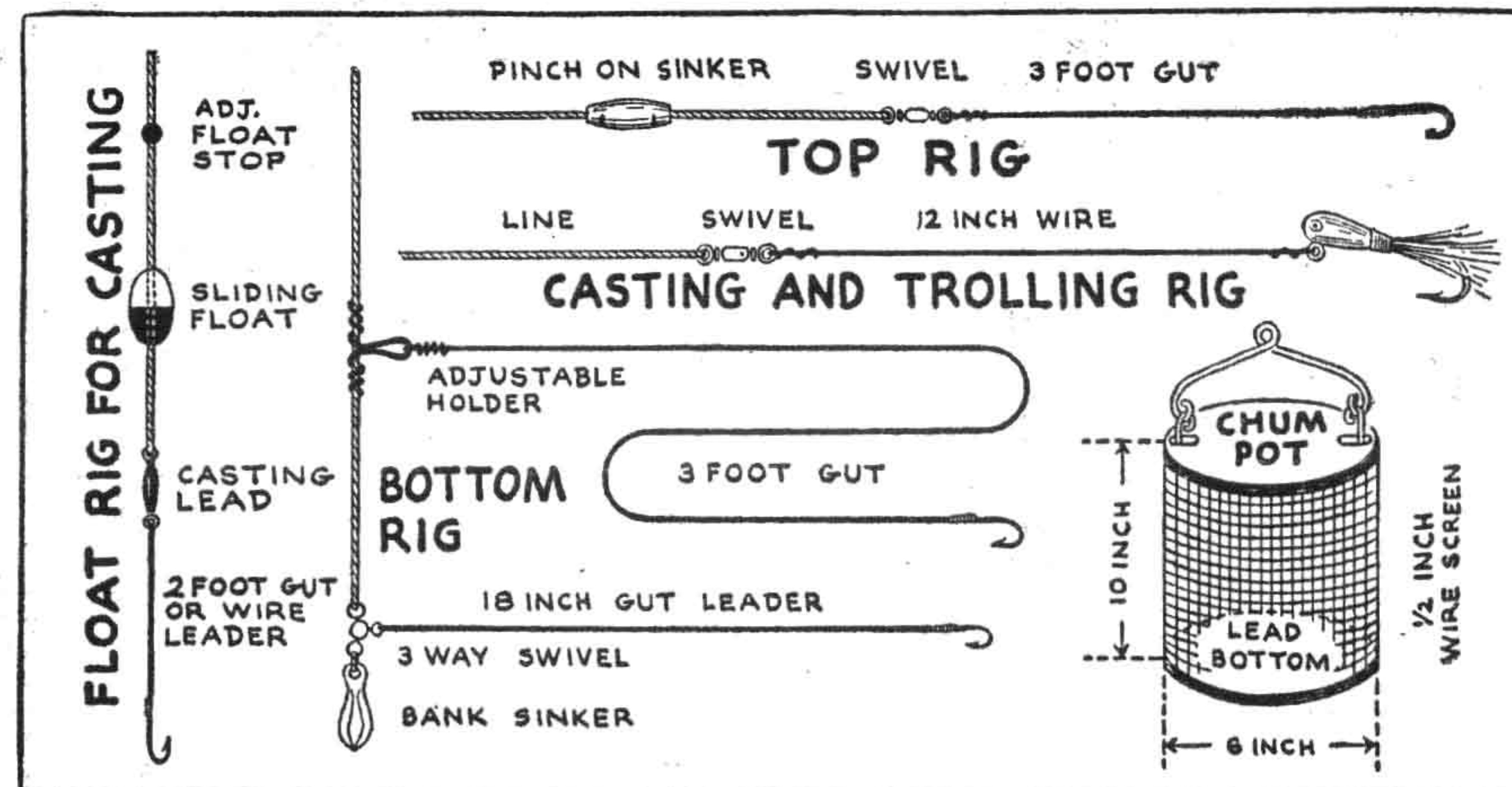
Fishing inland waters can be either bottom fishing with natural cut-bait, or live-bait and sinker, deep fishing with float set to required depth, top fishing with live-bait on a floating line, or casting and trolling with artificial lures. When bottom fishing with the boat anchored, the use of chum will help assure success. Cast well away from the boat and make no unnecessary noise. Fish are wary when in shoal water, especially the big ones. Always use the lightest sinker possible; just heavy enough to reach the bottom with a noticeable bump. Continue to lift the rod tip, let out a few feet of line at a time and feel the sinker bump along the bottom. This keeps your bait moving and will attract the fish, also shake off bait-stealing crabs. The last two hours of flood and the first two hours of ebb tide are usually the best time to fish inland waters.

Ideal tackle consists of a light rod of suitable length, a light multiplying reel with 100 to 150 yard line capacity of 6 to 9 thread line, or 15 to 20 pound test nylon line. We recommend our No. 180, 185 shown on page 12, our No. 100, 150 shown on page 8, and our No. 9 and 109 levelwind reels shown on page 15.

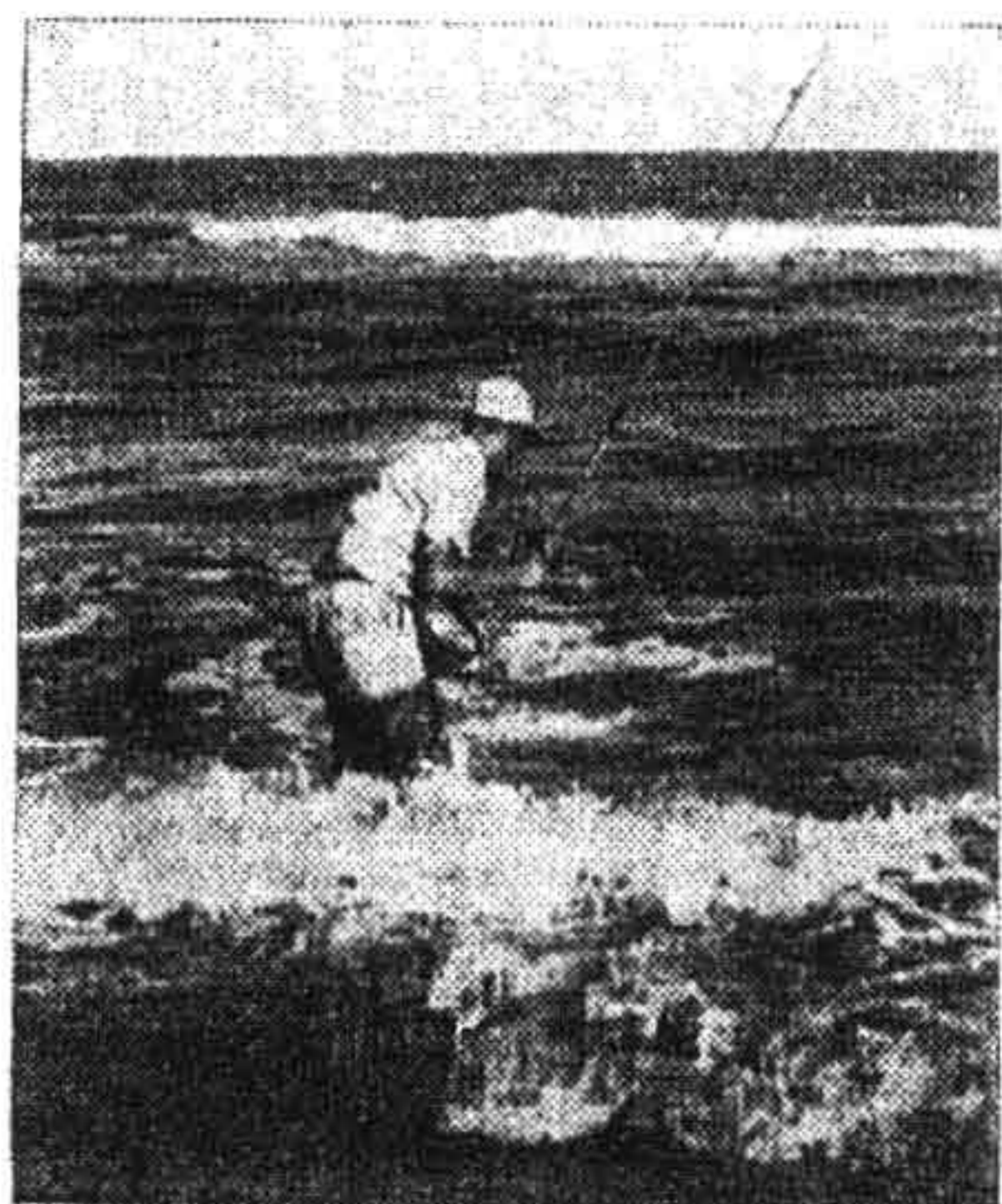


Jeffery Blum
16½ lb. Chinook

BAY FISHING RIGS



Surf Fishing



THE CALL OF THE SURF

Surf-fishing has a fascination on many. The wild call of the rolling breakers, the murmur or howl of the sea winds, the driven spume and the gull's cry, are irresistible to those bitten with "Surf Fever." The yearning to be down by the ever-pounding, talking, mysterious, age-old surf is ever-present in the breast of the true surfer. No other kind of fishing interests him. The uncertainty of what may possibly take his lure or bait, the long hours of expectant waiting, the exercise of repeated casts, and finally, the excitement of the strike coupled with that of the ensuing battle and successful landing of the fish, bring the fullest enjoyment to the fisherman's heart. Though tired in body, he is refreshed in spirit and soul, for he has communed with nature in his preferred way. He returns to his hearth with a feeling of "All's right with the world."

SQUIDDING AND BAIT-SURF-FISHING

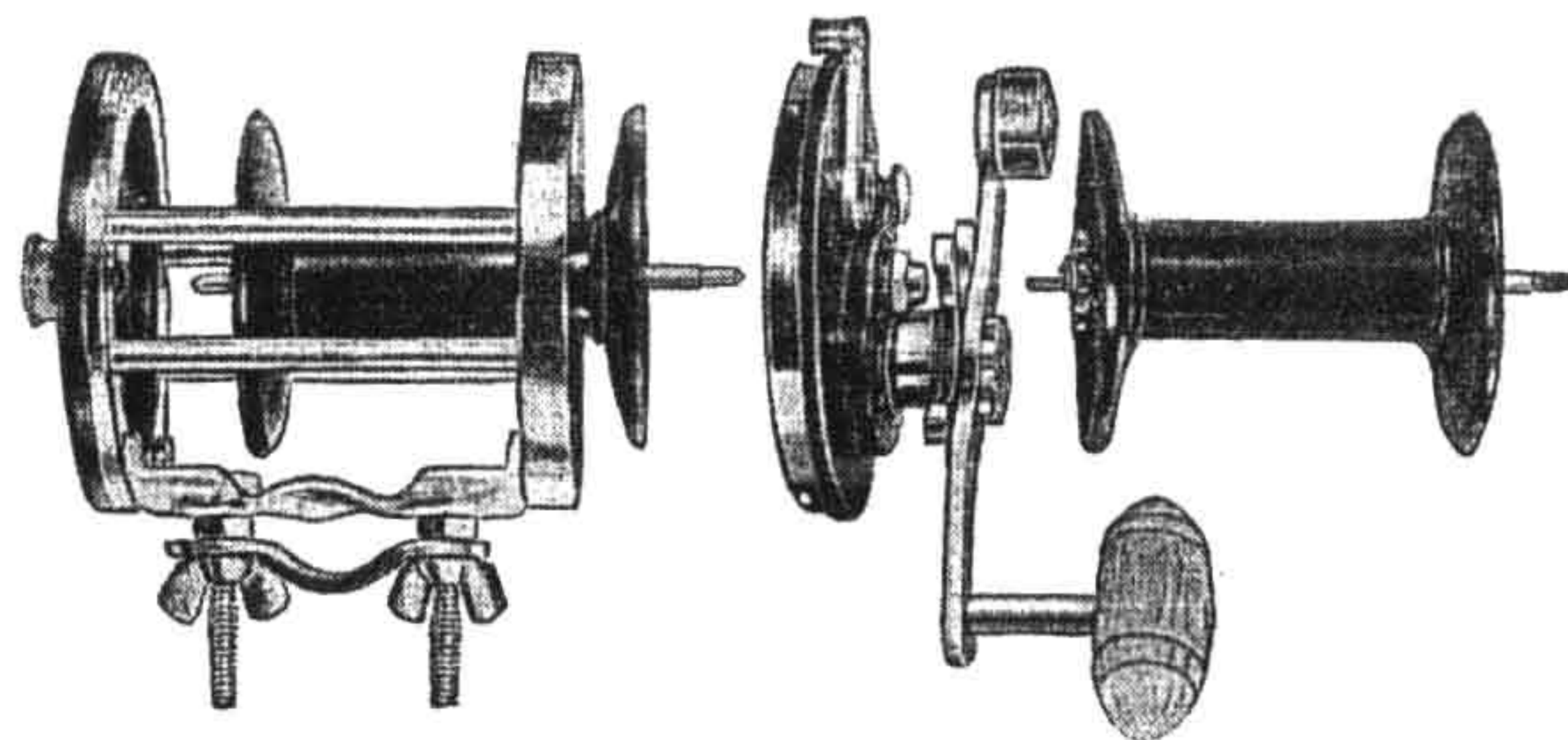
Squidding is the act of fishing with an artificial bait, metal squid, plug, feather, spinner, etc. For squidding, a reel with gear ratio of 3 to 1 or better, is desirable; the rod should be lighter and more flexible than a bait-casting surf rod.

Bait-surf-fishing is practiced on both coasts by many anglers. The most sought-after fish is the magnificent striped bass. Having a well-shaped hard head with a tough big mouth, a rugged, broad green back with well-shaped fins, silvery sides streaked with seven or eight dark longitudinal stripes, a belly as white as snow, this fish is rated as the outstanding sport fish by many surf fishermen.

Other species caught in the surf are weakfish, blues, croakers, kingfish, channel bass, drum, kelp bass, white sea bass, corbina, sheepshead, etc. Surf fish feed close inshore, where the turbulence of the waters has washed small bait into holes, gulleys, and sloughs. Clams, crabs, mussels, shrimp, squid, worms, eels, spearing, mullet, herring, menhaden, sand eels, whole or cut fish are among the most effective baits.

THE SURF REEL

A reel for surf casting should preferably be a Take-Apart, for ease of cleaning and spool change. Its capacity should be 200 yards, and gear ratio 3 to 1 or better, for fast retrieve and good control of a hooked fish. The reel spool should be light, for longer casts and less chance for backlash. An extra spool facilitates spool change in case of a broken line or need for one of a different size. A smooth-acting star drag, of sufficient range, is indispensable. All external exposed parts should be protected from the corrosive effect of salt water by chrome plating. Washing your reel in warm fresh water after use, to remove all traces of salt, then wiping it with an oily cloth, will enhance its looks and add to its life. And don't forget, even the best reel will perform better with the help of a little Penn lube, in the right place.



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

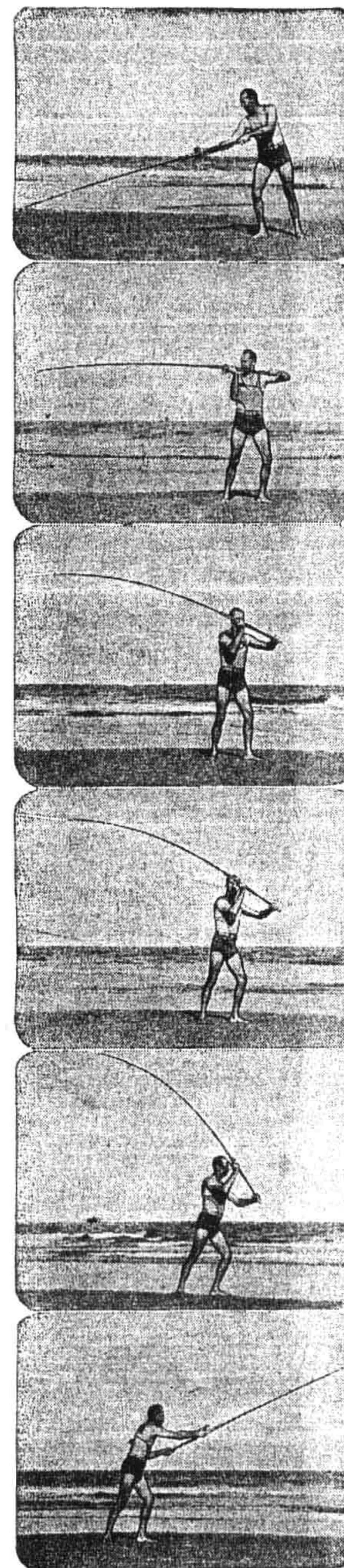
Surf Casting

TECHNIQUE OF CASTING

In order to attain proficiency in casting, the co-ordination of the bodily movements involved, must patiently be learned. While physical vigor is necessary, brute strength is not. The proper working together of arms, body and legs, at the direction of your mind, sends the bait out beyond the breakers, where a lunker of a striper may be waiting for it. It is well, in learning how to cast, not to aim for distance, but rather to concentrate on the co-ordination of movements, acquiring the proper form; distance will follow of its own accord after the fundamentals have been mastered. The cast described hereafter is the most generally used, if an overhead or side sweep feels more natural to you, use it, as the basic motions are substantially the same.

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

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



Casting Tips

USEFUL SURFING HINTS

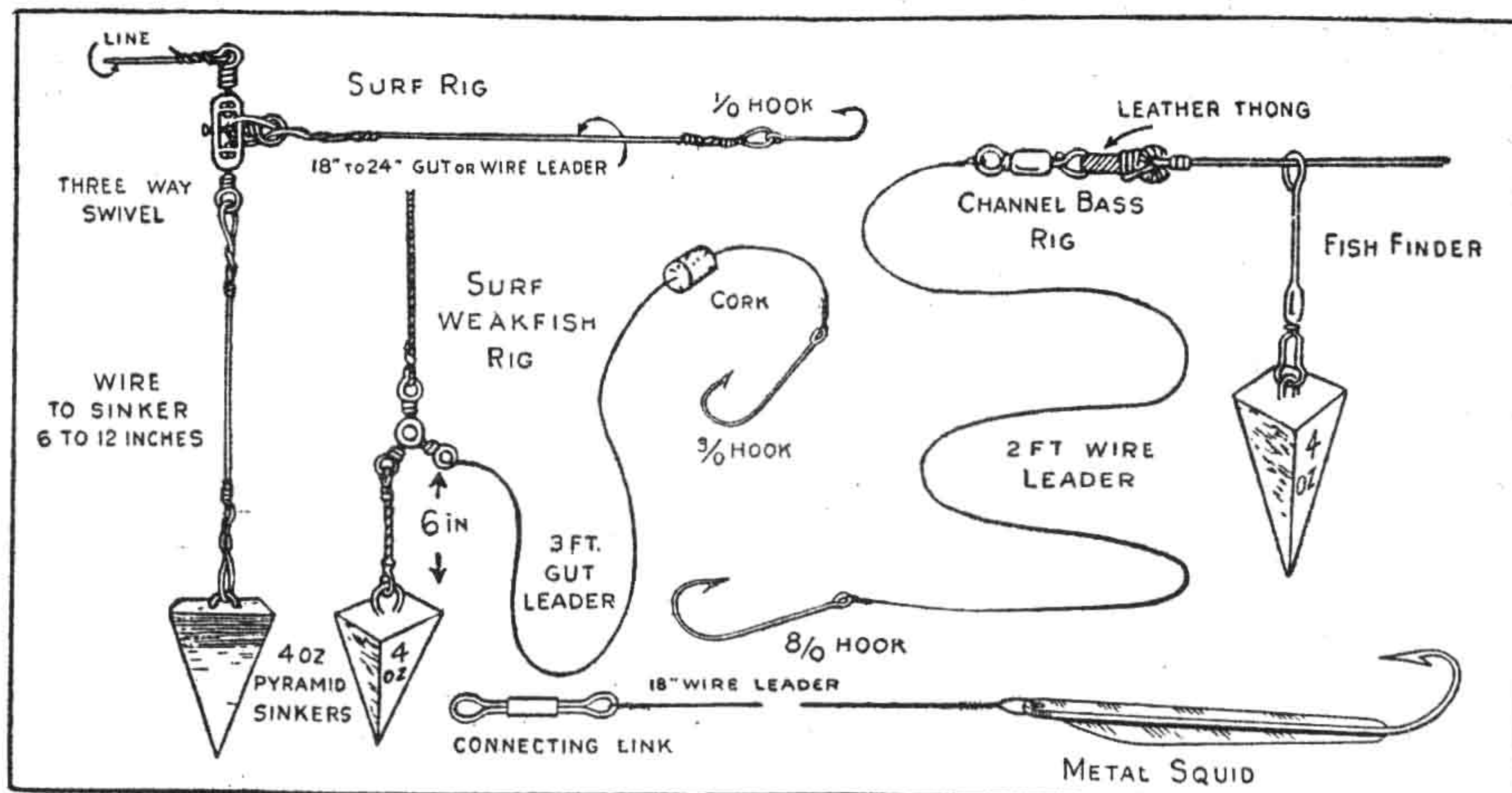
Rod, reel and line should not only be a balanced unit in itself, but should also fit the angler who is going to use it. A tall, brawny surfer of two hundred pounds can easily handle a rod of 18 ounces, 7 foot tip, with 30 inch butt. The leverage made possible by the distance between the hands, plus that 7 foot tip, gets his bait out beyond white water, where bass may be lurking. If your stature is medium or short, a 6 to 6½ foot tip of 14 to 16 ounces, and butt of 24 to 28 inches will suffice. For squidding both tall and short angler will want a more flexible rod, the weights of the lures used, determining how light the outfit should be.

Surf reels are made in 250, 200, 150 and 100 yard sizes. The 200 yard size is the one most generally used and has been found ample. As there is frequent need for spool change and cleaning of a surf reel, a "Take-Apart" is recommended. With this type reel the right side plate is removable by simply turning the knurled take-apart screw (part TA 200) three turns to the left, then rotating the whole plate ¼ inch to the left, to disengage it from the reel frame. Spool may then be changed or the mechanism lubricated. When re-assembling, be sure to screw the take-apart screw into the frame, otherwise the entire right side plate may be lost.

Linen lines in 6, 9 and 12 thread sizes, and nylon in 20, 25, 30 and 35 pound test weights are mostly used, with the 9 thread linen and 30 pound nylon being first choice of the majority of surfers. There is considerable "Stretch" in all nylon. We are happy to note that all of the major manufacturers of nylon lines have the problem of stretch-control well in hand. The angler should also cooperate and relieve the spool pressure after a sizable fish has been caught and at the end of a day's fishing.

To prevent getting a blistered thumb and backlash, always make two or three leisurely casts for the purpose of thoroughly wetting the line, before starting to cast in earnest. Inspect the line for wear and chafe. The last 10 to 15 feet take the most wear and the "regulars" usually cut off that length daily in order not to lose fish. In baitfishing, when a bite is felt, the angler should lower his tip and "stand by" for a few seconds. If, after that the weight of the fish is still on the line, or it moves off strongly, the angler should set the hook firmly, by deliberately raising his rod tip. A large, hooked fish often chooses to run parallel to a stretch of open beach. The angler should follow such a fish and care should be exerted not to attempt to bring him in too fast against the receding undertow. Special precautions must be taken on beaching a lunker of a bass. As the last wave races shoreward, the angler speeds up his reeling, and, walking backward, safely beaches his prize high and dry.

SURF FISHING RIGS



Surf Tackle

THE SURF ROD

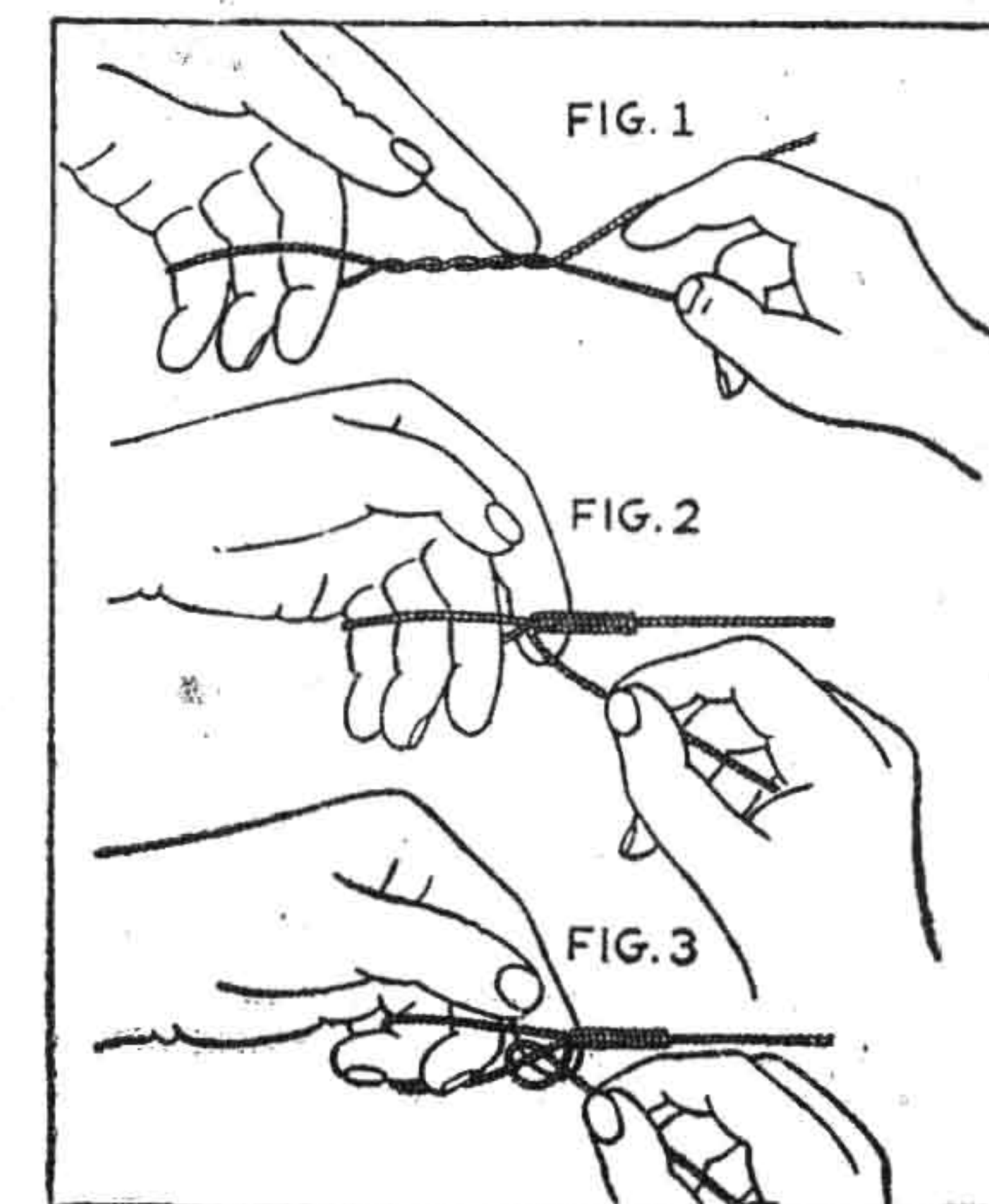
Nowadays, most surf-casting rods are made in two pieces, butt and tip, joined by ferrule and reel seat. Their overall lengths vary from 8½ to 11 feet, and weights from 9 to 25 or more ounces. The principle, short angler—shorter rod, tall angler—longer rod, weighty baitcasting—stiffer tip, lighter squidding with light lures—more flexible tip, is a sound criterion. Butts are usually made from hickory and vary from 25 to 30 inches in length, and are fitted with screw-lock reel seats, to hold the reel securely in place.

THE SURF LINE

Most surf anglers use 200 yards of either 9 or 12 thread linen, or 25 or 30 pound test nylon. Lines of that size, though rated to a breaking strain of 30 pounds only, can easily land fish of double that weight, when in good condition and without knots. Knots and chafes will greatly reduce the strength of a line. Never take a chance on old line, you can't have your picture taken with the "one" that got away.

MAKING A SAFE END LOOP

Fasten the standing part of the line, about four feet from the free end, around some object, in order to exert light 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 the line tightly back over the twist (Fig. 2). It is important that light tension be kept on the line during this entire operation, so as to hold an even twist. Finish off the end loop with a half-hitch to each strand of the loop, and cut off the excess end.



END TACKLE AND ACCESSORIES

The term end or terminal tackle applies to the part of the tackle which is used at, or near the end of the line. For surf-fishing, the 4 ounce pyramid sinker for sandy bottom, and the same weight in the pear shape for rocky ground, are most popular. For hooks (keep them sharp), the O'Shaughnessy, Sproat and Carlisle, in the varying sizes needed, are those in greatest demand. Good swivels to prevent kinking, and well-made-up leaders, in either wire or gut, are a necessity. Block tin squids and stamped metal lures of the Drone type, of many sizes and patterns are used. These should be bright; the block tin squids should be scraped over their entire surfaces, and their hooks kept needle-sharp. Special double and treble hook rigs for rigging eels and eel skins, a variety of artificial plugs, of either jointed or single body construction, and feathers of varying sizes and colors, as well as the nylon streamer type of lures, should be in the tackle box. When one ordinary feather won't produce satisfactorily, try two or three, made up into a long, thin, single lure. This imitates both spearing and sand eels, and at times proves irresistible. A fish-finder rig, which makes it possible for the baited hook to drift over the ocean bottom, often helps to locate fish. A narrow strip of either forked or oblong-cut piece of pork rind on a lure increases its effectiveness.

Other necessary equipment are hip boots, leather rod butt belt, sand spike, gutting knife and scaler, wire-cutter pliers, vest-pocket-size hone, surf tackle-bag, Penn lube, and a long-visored fishing cap.

NOW! A LEVEL-WIND REEL

with a **BRAIN!**

the *NEW* *PENN* "LEVELINE"

**AUTOMATIC
LEVEL-WIND
CONTROL**

Here's an entirely new patented principle of level-winding. With the "LEVELINE" nothing interferes with the cast. The Spiral Bar or "BRAIN" works only on the retrieve—AUTOMATICALLY. The left hand is entirely free for holding the rod.

Now the fisherman can forget the line and concentrate on his fishing. No more worry about line bunching up on reel spool—because THE LINE IS LAID LEVEL EVERY TIME it is reeled in.

Enjoy longer, smoother casts and carefree retrieve!

No. 350—Reinforced Plastic Spool—Cap. 200 yds.

Wt. 19½ oz. \$20.00

No. 350M—with chrome metal spool—200 yds. Wt. 21 oz. 20.95

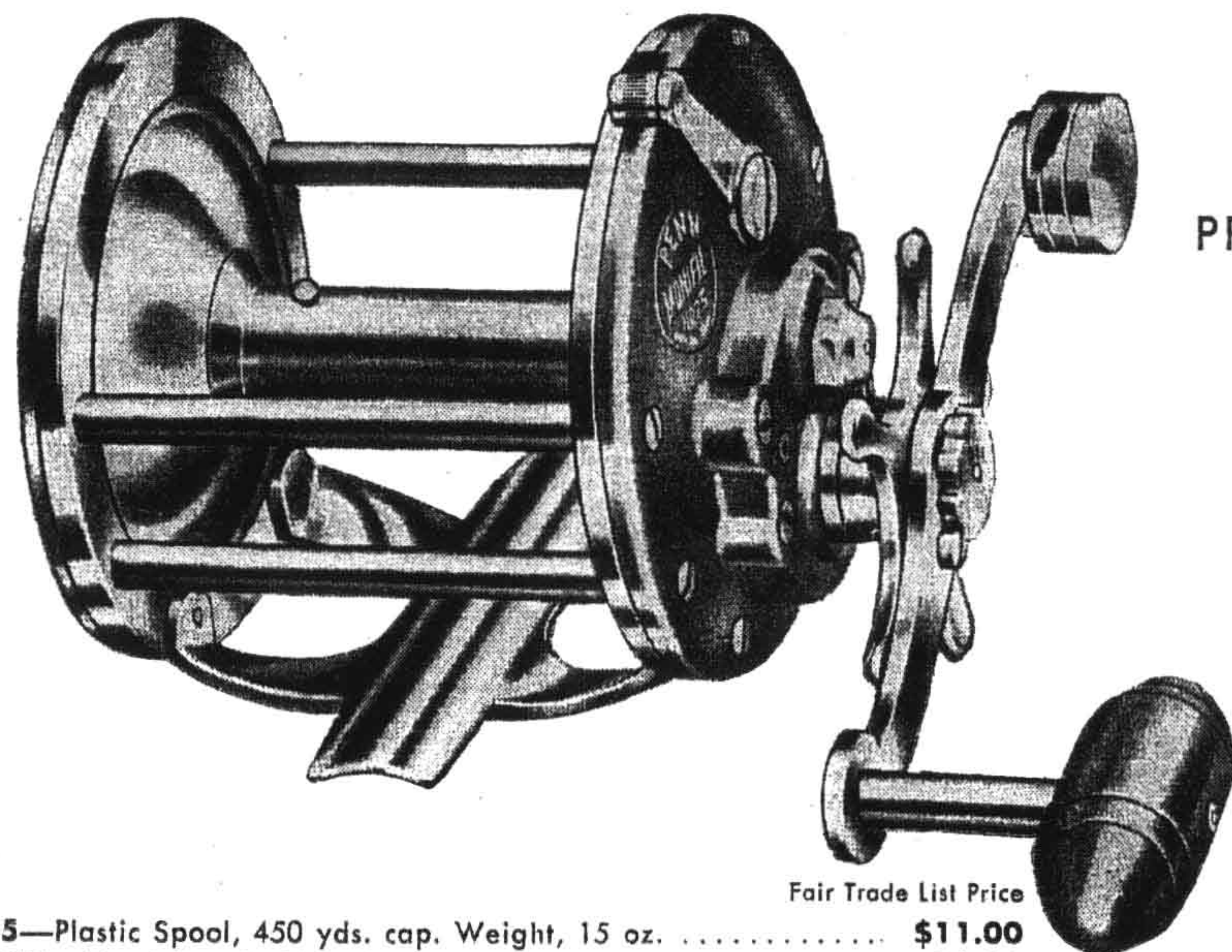
Fair Trade
List Price

- **CAPACITY**
200 yds. #9
- **GEAR RATIO**
3 to 1
- **STAR DRAG**
- **HEAVILY CHROMIUM PLATED**

IDEAL FOR NIGHT FISHING

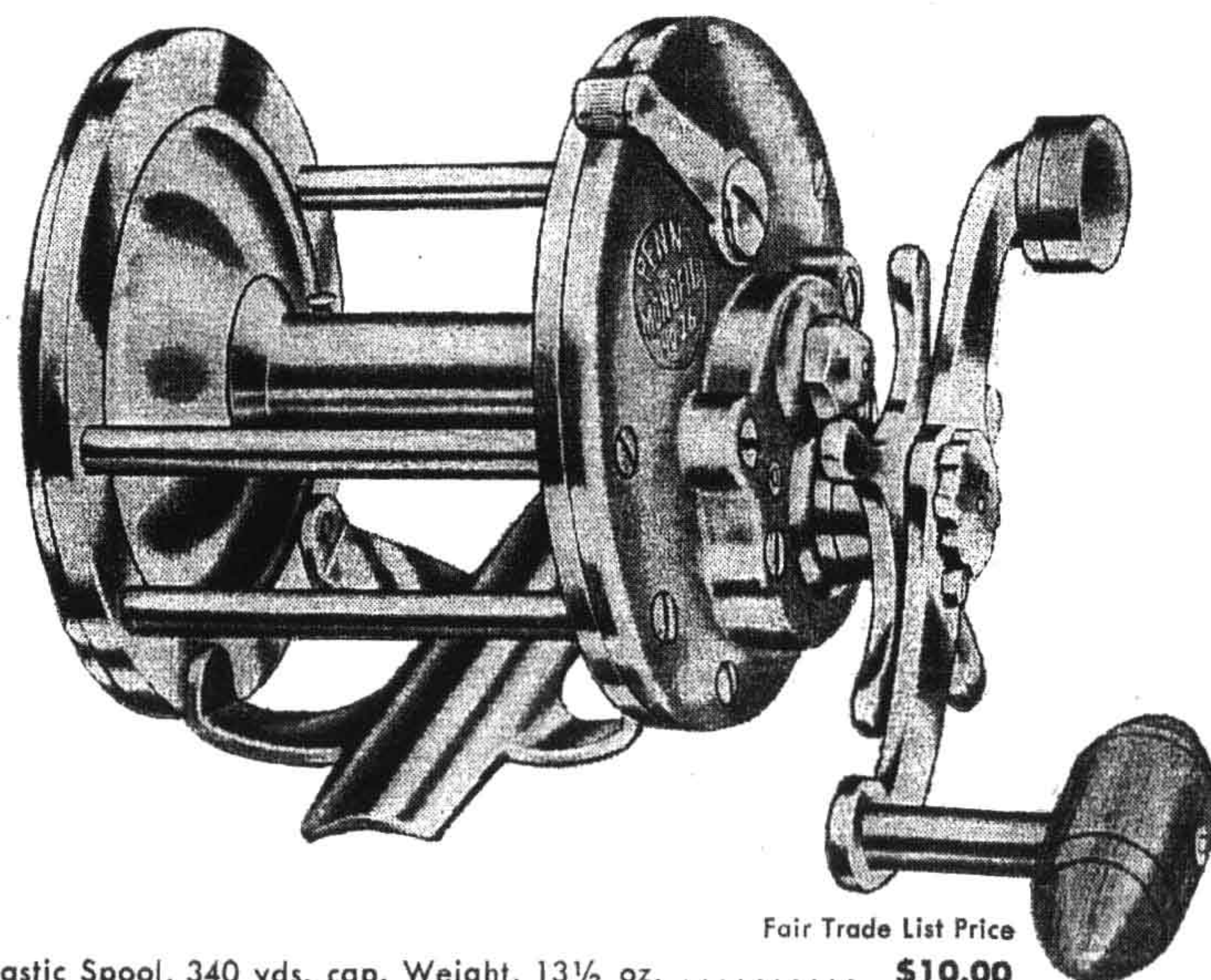
**FOR
SURF
BOAT or
TROLLING**

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



- No. 25—Plastic Spool, 450 yds. cap. Weight, 15 oz. \$11.00
 No. 25M—Metal Spool, 565 yds. cap. Weight, 16 oz. 12.00
 With grey end plates.

Fair Trade List Price



- No. 26—Plastic Spool, 340 yds. cap. Weight, 13½ oz. \$10.00
 No. 26M—Metal Spool, 450 yds. cap. Weight, 15 oz. 11.00
 With green end plates.

Fair Trade List Price

We recommend the use of 50 yds. of No. 9 linen line as backing on model 25; 35 yds. of No. 9 on model 26; and 25 yds. of No. 9 on model 27. Backing line is first placed on the spool arbor as a cushion to absorb the pressure built up by monofilament line when retrieved under tension.

Penn Monofil Reels

PRECISION-BUILT TO MEET THE NEEDS OF MONOFILAMENT

These reels give the angler all the advantages and pleasures of fishing with lighter lines, lures and tackle—PLUS the POWER and STAMINA of conventional star drag reels to bring in fighting fish.

Smooth casting and comfortable handling reels, having strong frames with close fitting spools, team up perfectly with
MONOFILAMENT.

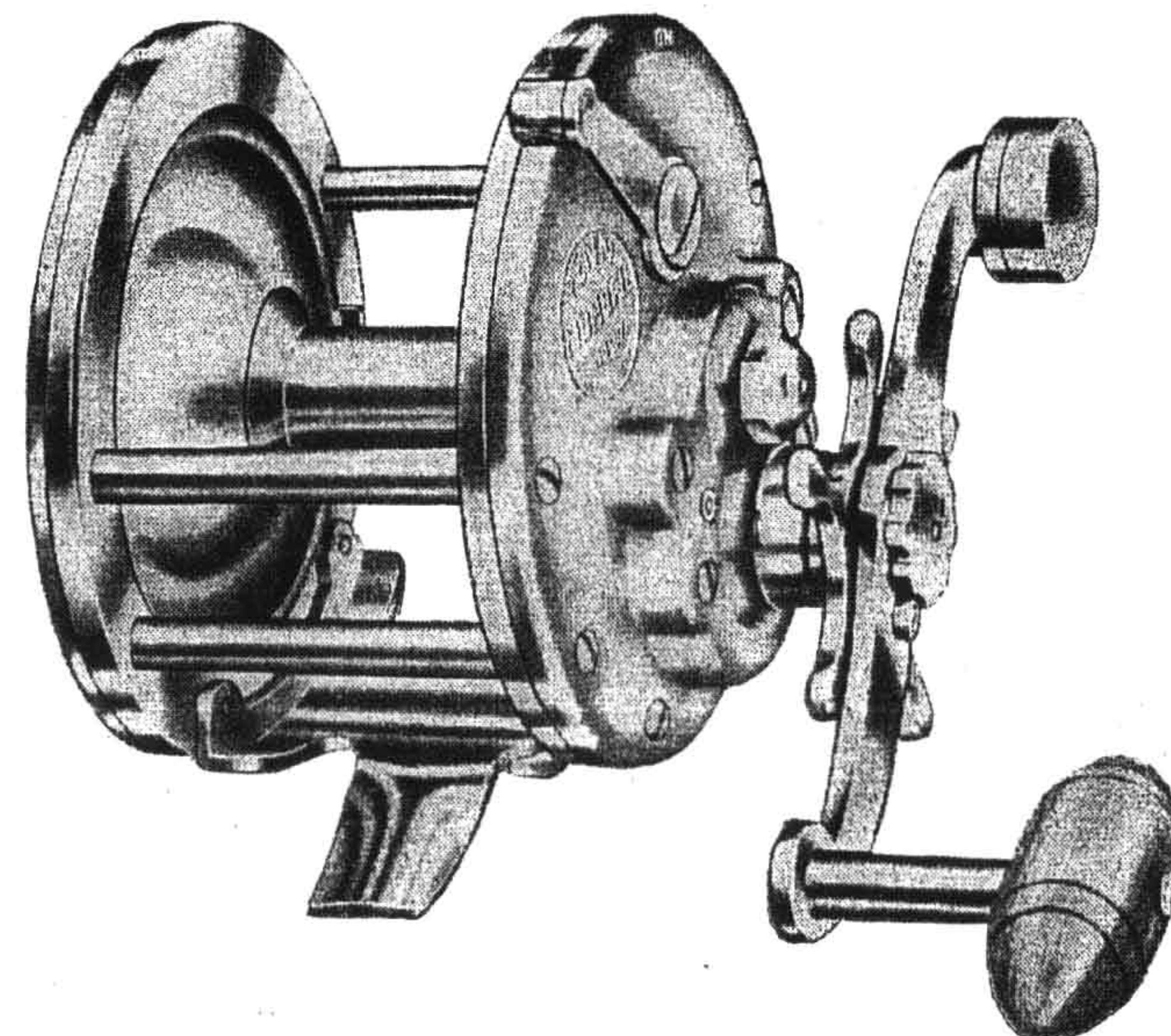
There is nothing new for the fisherman to learn.

MICROMATIC

Precision engineered to make it possible to use any size MONOFILAMENT from 10 lb. test, without danger of line being caught between spool and frame.

Fair Trade List Price

- No. 27—Plastic Spool, 225 yds. Weight, 12½ oz. \$ 9.00
 No. 27M—Metal Spool, 340 yds. Weight, 13½ oz. 10.00
 With maroon end plates.



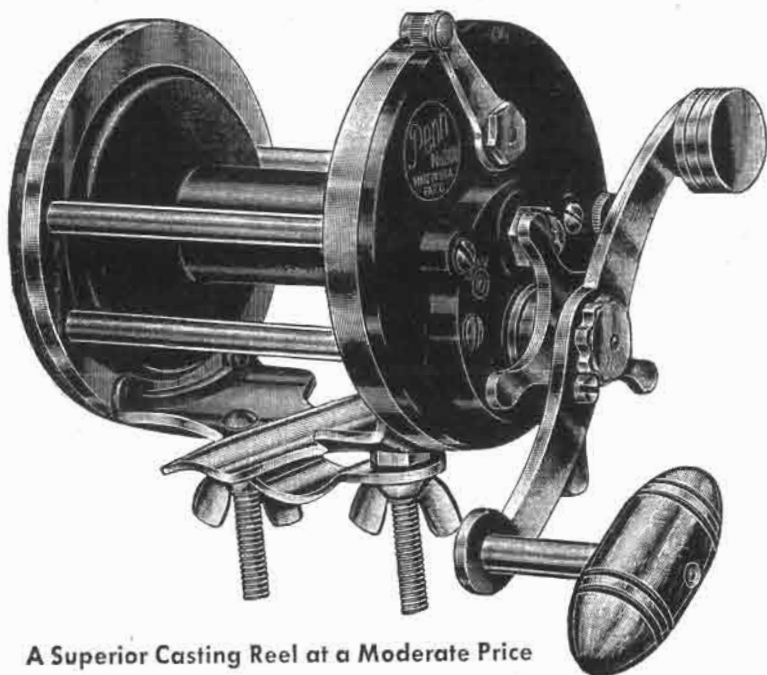
PENN PLASTIC LIGHTWEIGHT SPOOLS ARE EXCELLENT FOR CASTING

FOR SURF FISHING AND SQUIDDING

ALSO SUITABLE FOR PIER, BRIDGE AND BOAT FISHING

PENN SURFMASTERS

with 1 Screw Quick TAKE-APART



A Superior Casting Reel at a Moderate Price

100 to 300 Yd. Capacities

3 to 1 Gear Ratio

Reinforced Plastic Spool Models (Each Supplied with 2 Spools)

		Weight of Reel	Plate Diameter	Spool Width	Fair Trade List Price
No. 100	100 yds. No. 9	16 oz.	2 3/4"	1 5/8"	\$12.50
No. 150	150 yds. No. 9	17 1/2 oz.	2 3/4"	2 1/8"	13.50
No. 200	200 yds. No. 9	18 oz.	2 3/4"	2 1/8"	14.50
No. 250	250 yds. No. 9	20 oz.	3 1/8"	2 7/16"	15.50

METAL SPOOL MODELS

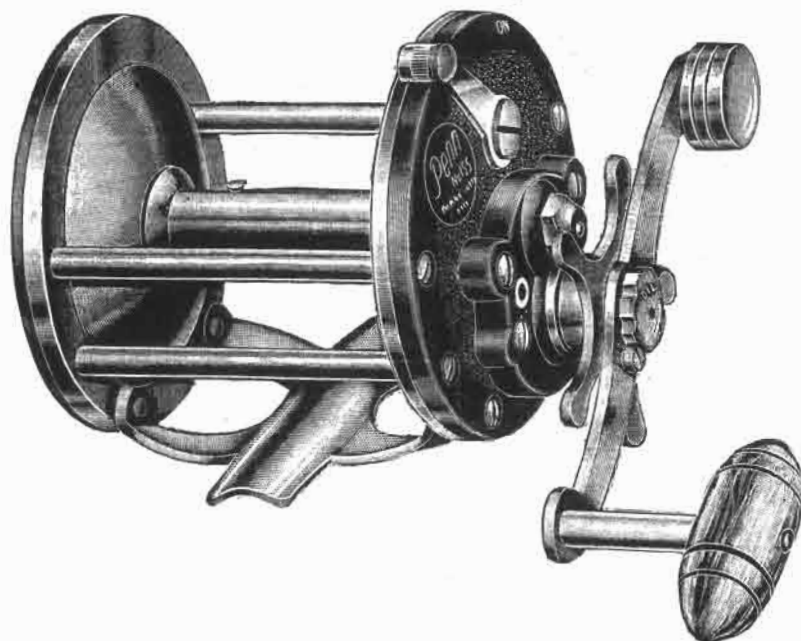
No. 100M	150 yds. No. 9, 1 Metal Spool	17 oz.	2 3/4"	1 5/8"	\$12.50
No. 150M	200 yds. No. 9, 1 Metal Spool	18 oz.	2 3/4"	2 1/8"	13.50
No. 200M	200 yds. No. 9, 1 Metal Spool	19 1/2 oz.	2 3/4"	2 1/8"	14.50
No. 250M	300 yds. No. 9, 1 Metal Spool	22 1/2 oz.	3 1/8"	2 7/16"	15.50

Left hand models (mark LH) after reel number—\$1.00 extra.

The Penn Surfmaster reels are light in weight and fast in action. Either plastic spool or metal spool models are excellent casting reels for bait fishing and squidding. Frames of all models are hand polished and heavily chrome plated.

PENN BEACHMASTER

Light Weight, Triple Multiplying



REINFORCED PLASTIC SPOOL MODELS

		Weight of Reel	Fair Trade List Price
No. 155	Star Drag—Lightweight Spool—200 yds. No. 9	14 1/2 oz.	\$9.50
No. 160	Star Drag—Lightweight Spool—150 yds. No. 9	13 oz.	8.50
No. 165	Free Spool—Lightweight Spool—150 yds. No. 9	12 1/2 oz.	6.50

Left hand models, extra, \$1.00.

METAL SPOOL MODELS

		Weight of Reel	Fair Trade List Price
No. 155M	Star Drag—Metal Spool—250 yds. No. 9	16 oz.	\$10.50
No. 160M	Star Drag—Metal Spool—200 yds. No. 9	14 1/2 oz.	9.50
No. 165M	Free Spool—Metal Spool—200 yds. No. 9	14 oz.	7.50

Left hand models, extra, \$1.00.

The Penn Beachmaster is a small, lightweight reel, excellent for surf casting, top and bay fishing. Because of its light weight, the Penn Beachmaster 155 is an extremely popular reel for "squidding." End plates are streamlined, metal bound and beautifully engraved. The light weight frame is 2 3/4" in diameter. The spool is light in weight and extra wide, gets off to a quick start with less effort, and permits use of light lures. The arbors of the plastic spools are designed so that no idle filler line nor backing is required.

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

PENN SURF-FISHING AND SQUIDDING REELS

PENN SQUIDDER

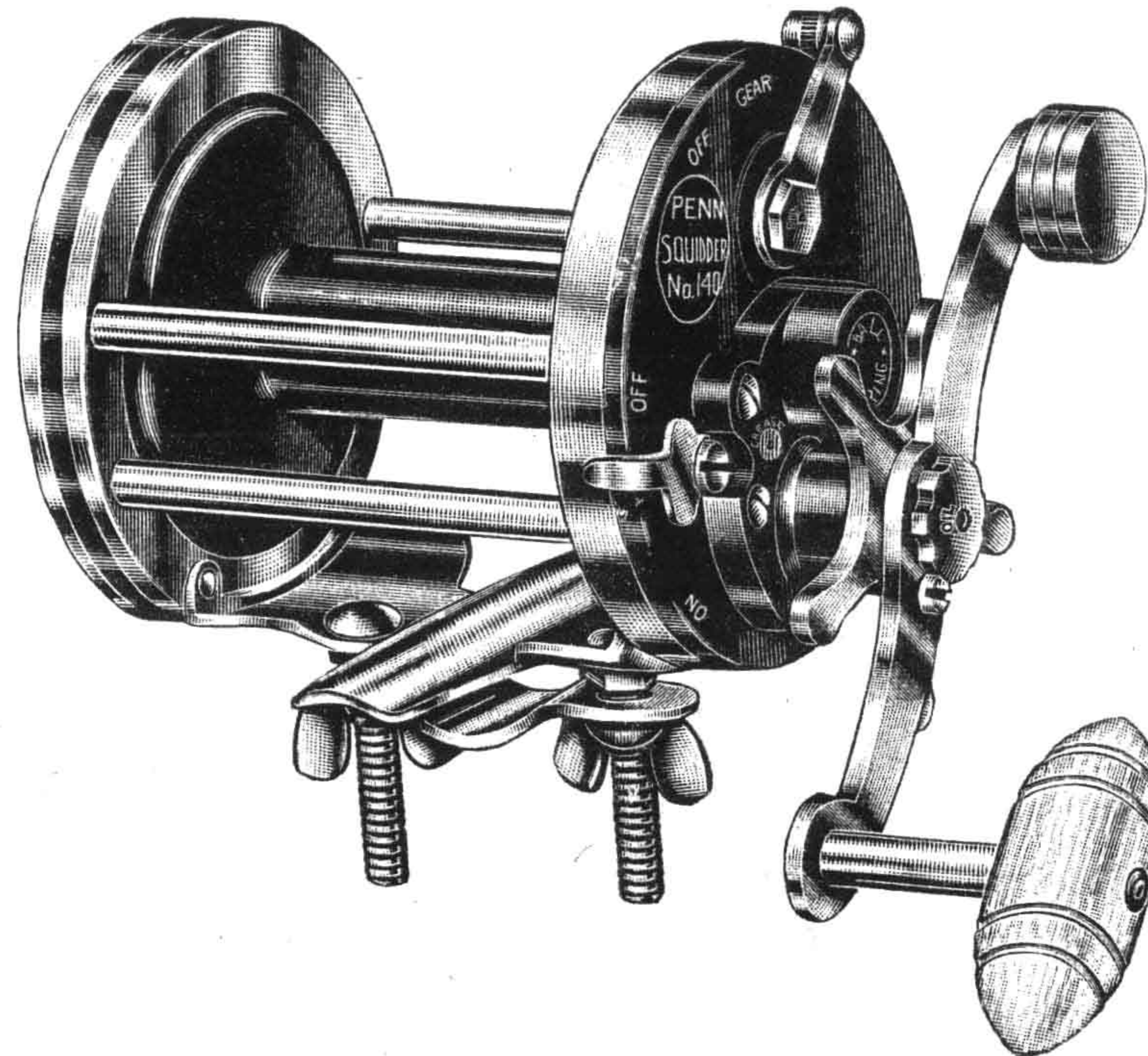
BALL-BEARING
WIDE FRAME

Most Distinguished of All Surf Reels
QUICK TAKE-APART

AIR-BRAKE FIN SPOOL
CONVERTIBLE STAR DRAG



54½ lb. Channel Bass, caught by Mrs. Elizabeth Brownell, Alexandria, Va., on a #140 Penn Squidder, at Oregon Inlet, N. C., using 27 lb. test nylon. Can you top this, girls?



3⅓ to 1 GEAR RATIO
REINFORCED PLASTIC SPOOL MODELS

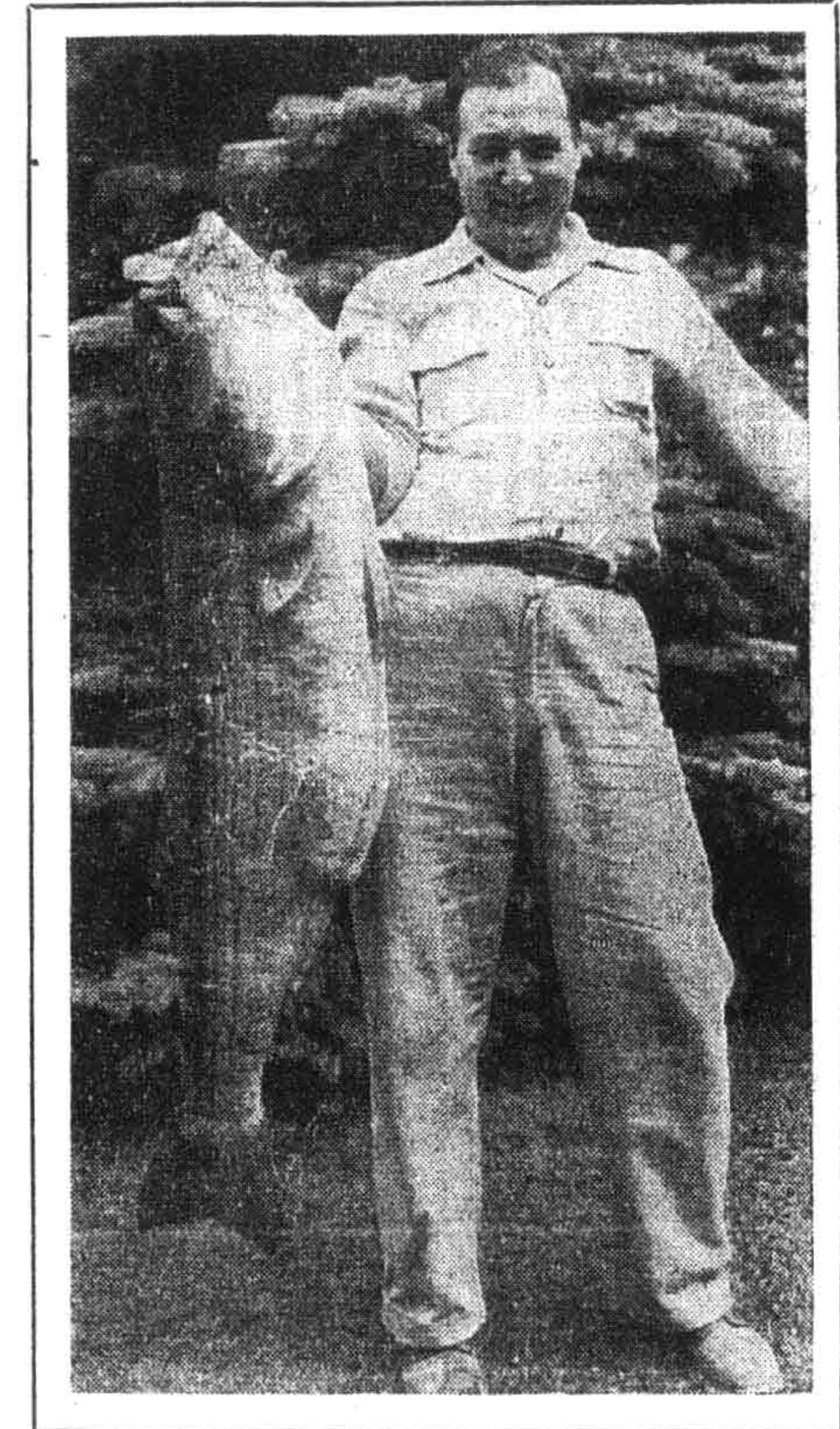
No. 140—200 yds. No. 9—Star Drag. Weight, 19 oz.	Fair Trade List Price \$25.00
No. 145—150 yds. No. 9—Star Drag. Weight, 18½ oz.	24.00

One extra plastic spool furnished with above models. Replacement spools are available with and without air brake fins.

METAL SPOOL MODELS

No. 140M—250 yds. No. 9—Metal Spool. Weight, 20½ oz.	\$25.00
No. 145M—200 yds. No. 9—Metal Spool. Weight, 20 oz.	24.00

The Penn Squidder is the ultimate in surf reel design. It has the casting ability of a Tournament reel, yet is built to take the punishment of hard fishing. All external parts are heavily chrome plated. Lightweight frame is 2¾" in diameter. Spools for model 140 and 140M are 2⅞" wide, for 145 and 145M, 2⅞" wide.



63¼ lb. Striped Bass, held by Lou Estrella, caught by Rossa Couture, Chief of Police, Newport, R. I., on a #140 Squidder, off Brenton's Reef, while trolling with a Westport rigged eel.

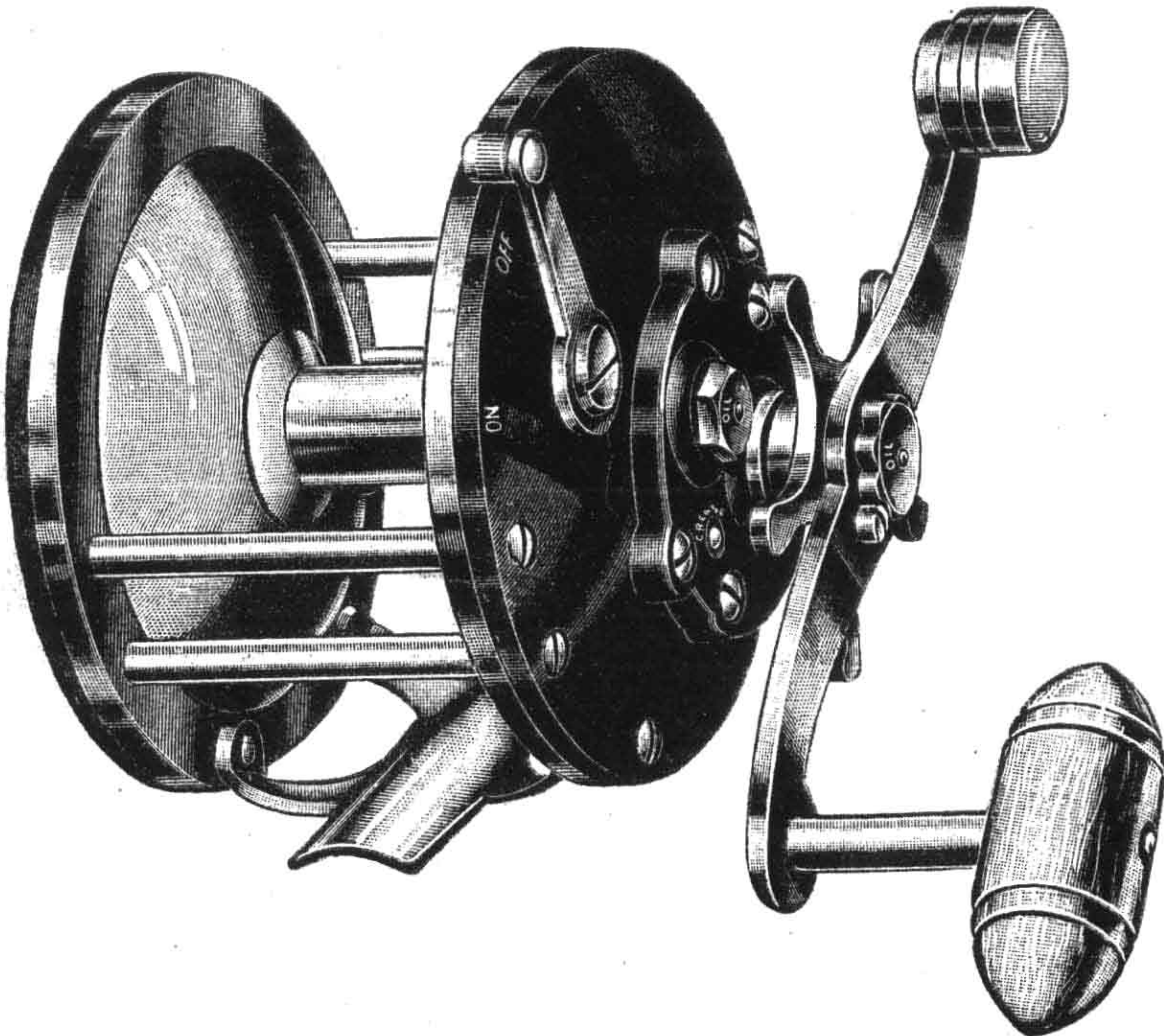
PENN PLASTIC LIGHTWEIGHT SPOOLS DO NOT REQUIRE IDLE FILLER LINE

STURDY UNIVERSAL STAR DRAG REELS

FOR POWERFUL DEEP SEA BOTTOM FISHING AND TROLLING

PENN LONG BEACH

250 AND 300 YARDS



THE STANDARD STAR DRAG REEL

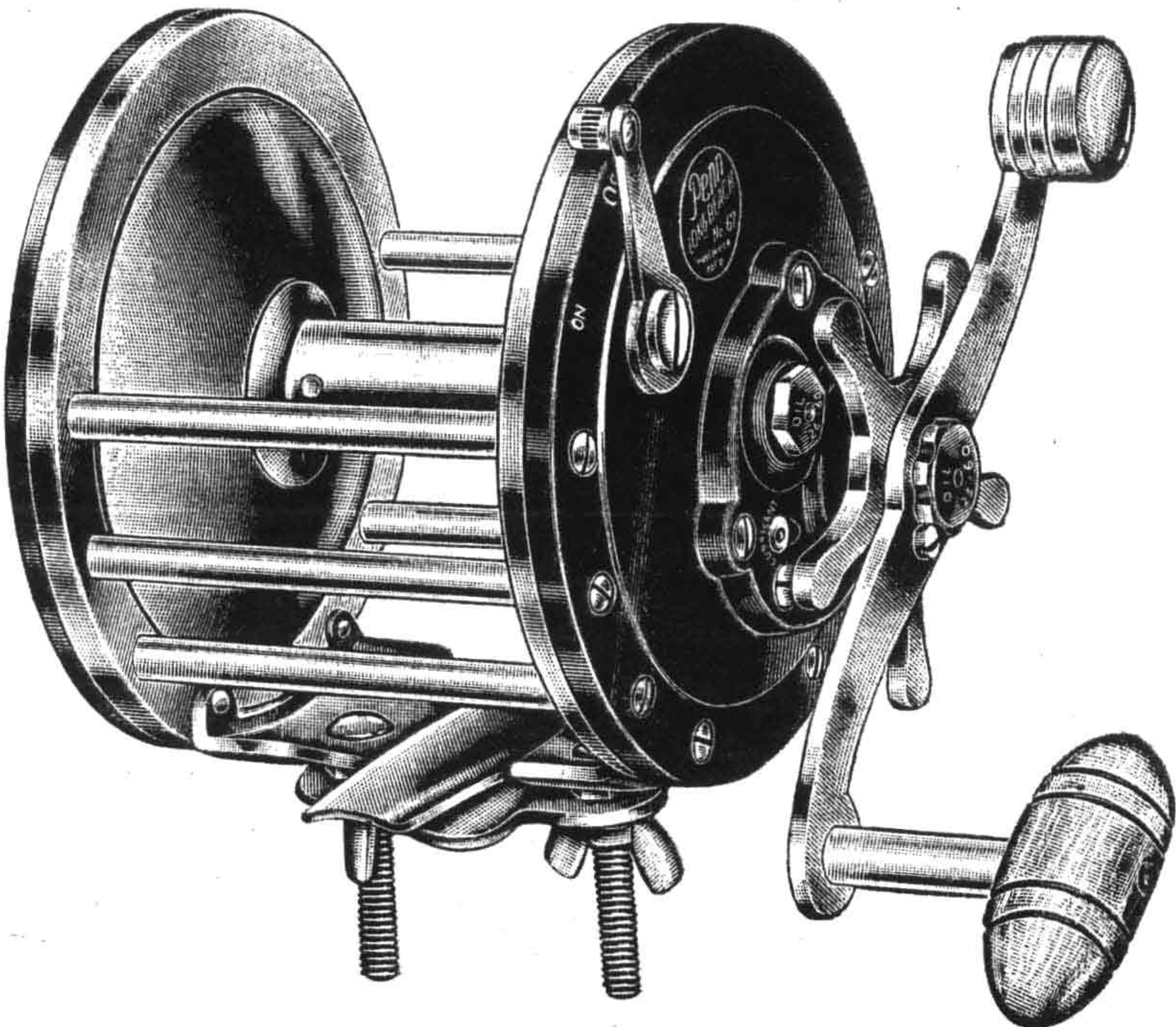
With Reinforced Metal Spool

Reel No.	Line Capacity in Yards			Gear Ratio	Plate Diam.	Spool Width	Weight of Reel	Fair Trade List Price
	No. 9	No. 12	No. 15					
No. 60	250	190	150	2½ to 1	3¼"	1½"	19½ oz.	\$ 9.50
No. 65	300	225	175	2½ to 1	3¼"	2⅞"	20½ oz.	10.95

The Long Beach is a universal saltwater reel, ranging in capacity from 250 yds. to 600 yds. of No. 9 line and 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

PENN SUPER LONG BEACH

400, 500 AND 600 YARDS



LARGE CAPACITY GAME FISH REEL

With Reinforced Metal Spool

Reel No.	No. 9	Line Capacity in Yards			Plate Diam.	Spool Width	Weight of Reel	Fair Trade List Price
		No. 12	No. 15	No. 18				
No. 66	400	300	250	200	3⅝"	2⅞"	26 oz.	\$14.00
No. 67	500	375	300	250	3⅝"	2⅞"	27 oz.	15.50
No. 68	600	450	375	300	3⅝"	3"	29 oz.	17.00

gears. Gear train consists of hardened steel driving gears and stainless steel pinion. The Penn one shot lubrication system safeguards perfect performance. Metal parts are chromium plated and hand polished. The Super Long Beach models are equipped with rod clamps.



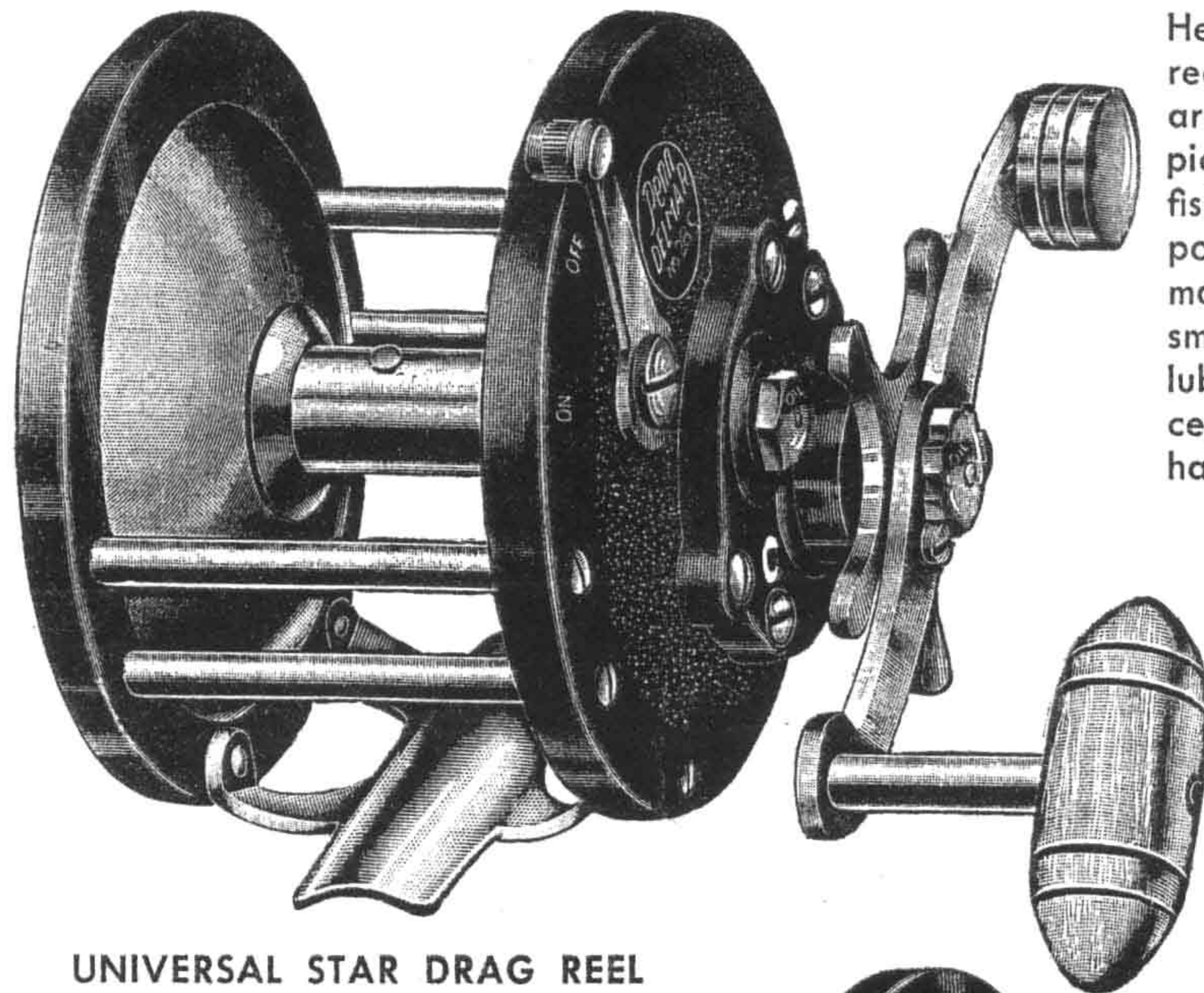
PENN REELS CAN BE LUBRICATED FROM THE OUTSIDE

FOR GENERAL ALL-AROUND FISHING

LIGHT TROLLING, SURF, PIER, DEEP-SEA AND BAY

PENN DELMAR

200 and 250 Yards



UNIVERSAL STAR DRAG REEL

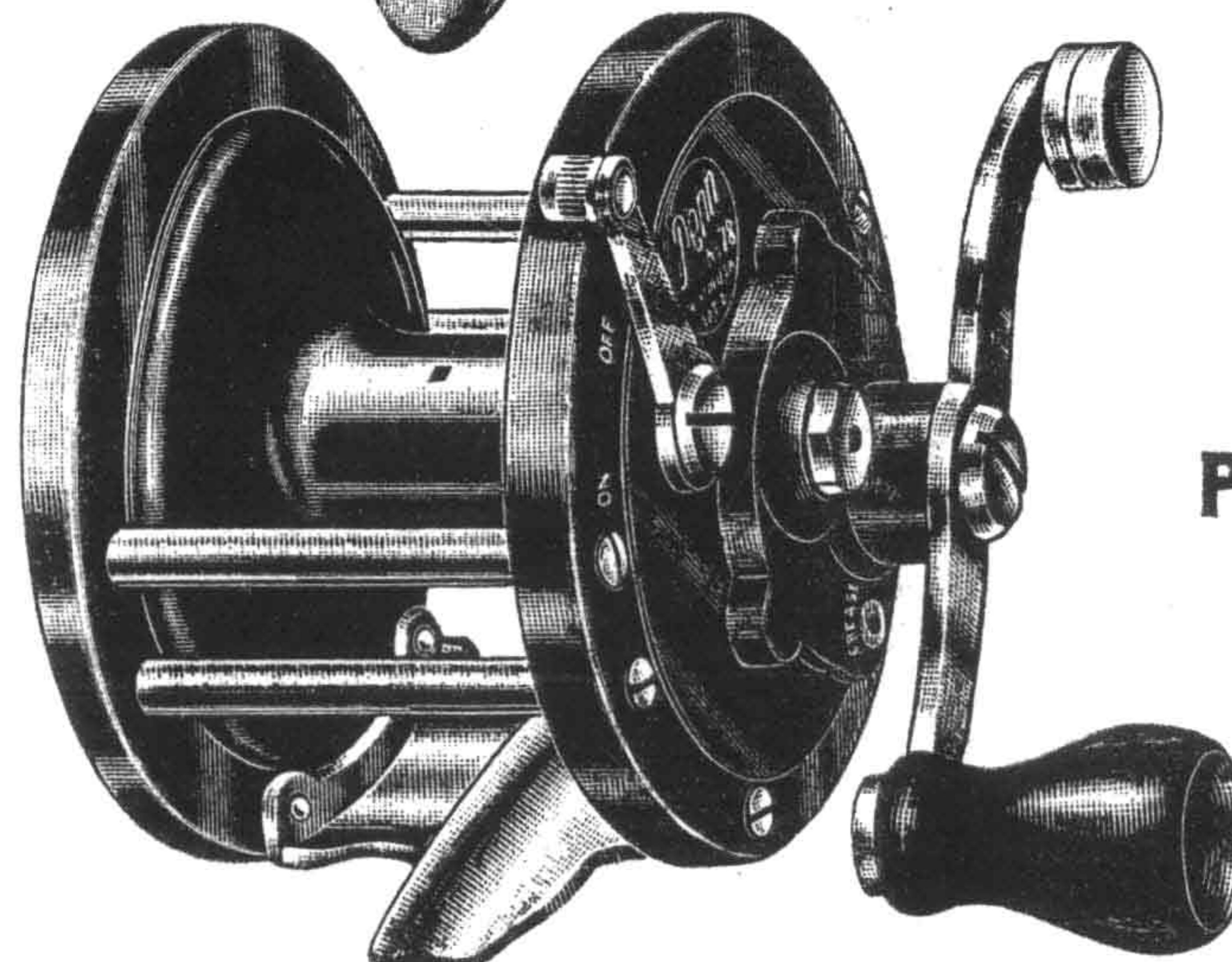
Ideal for Fresh-Water Trolling and Still Fishing

	Fair Trade List Price
No. 285—Lightweight Spool— 200 yds. No. 9.....	\$7.00
No. 285M—Metal Spool— 250 yds. No. 9.....	7.95
Weight of Reel, 14 1/3 oz.	

Metal parts are chrome plated and hand polished.

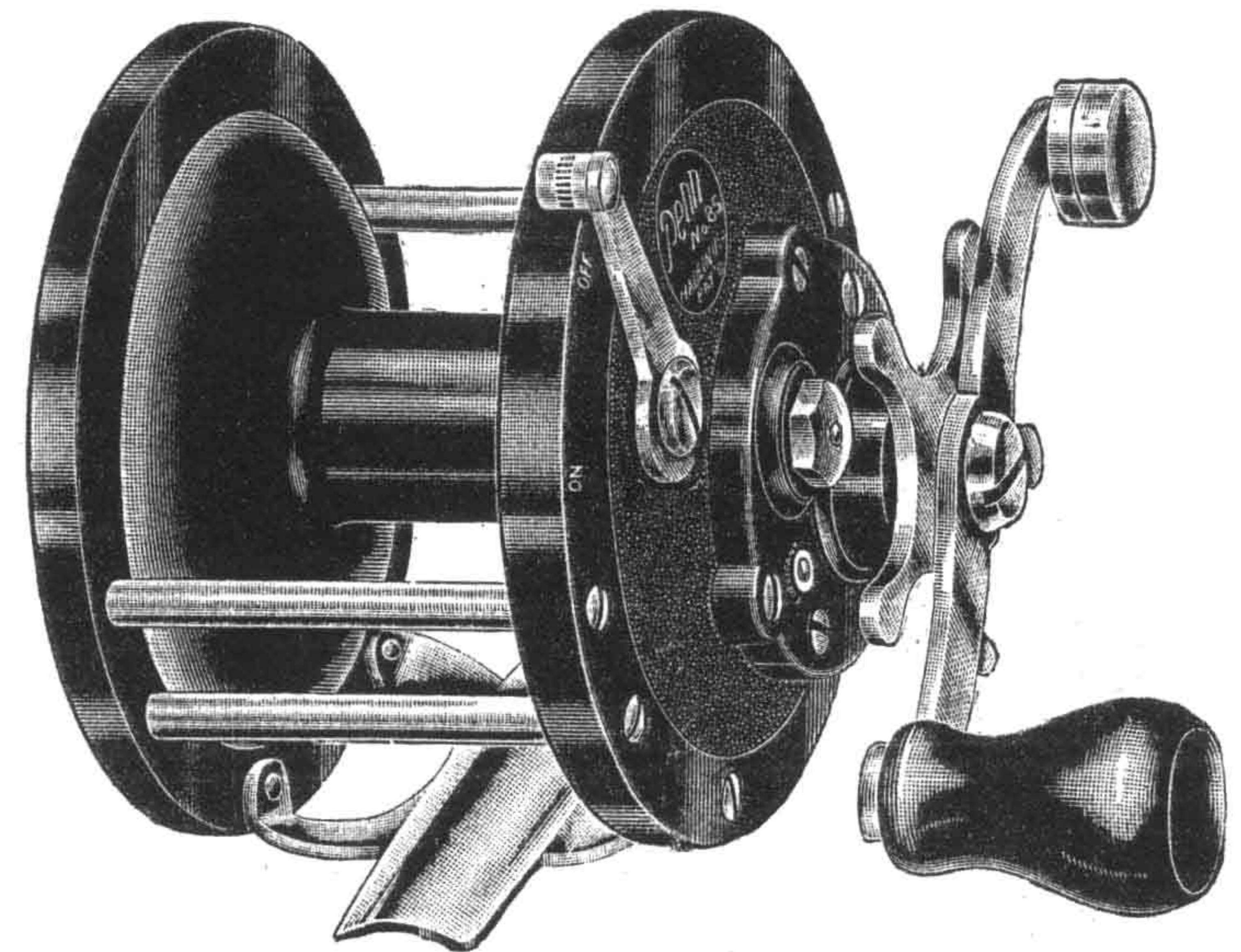
Left hand models extra \$1.00—add (LH) after reel number.

Here are excellent universal reels at moderate prices. All are suitable for light trolling, pier, surf, deep-sea and bay fishing. These reels are also popular for inland fishing. All models have steel gears, smooth action and one shot lubrication. All models, except No. 79 and No. 78, have star drags.



PENN SEA-BOY

200 Yards



POPULAR STAR DRAG

Ideal for Fresh-Water Trolling and Still Fishing

	Fair Trade List Price
No. 85—Cap. 200 yds. No. 9.....	\$5.50
No. 85LH—Left Hand Model.....	6.50

Weight of Reel, 13 1/2 oz.

PENN SEA MATE, SEA SCAMP

Splendid Low Cost Reels for Beginners

	Fair Trade List Price
No. 78—Sea Scamp—150 yds.—Free Spool.....	\$3.95
No. 79—Sea Mate—200 yds.—Free Spool.....	4.50

Weight of Reel, 11 1/2 oz.

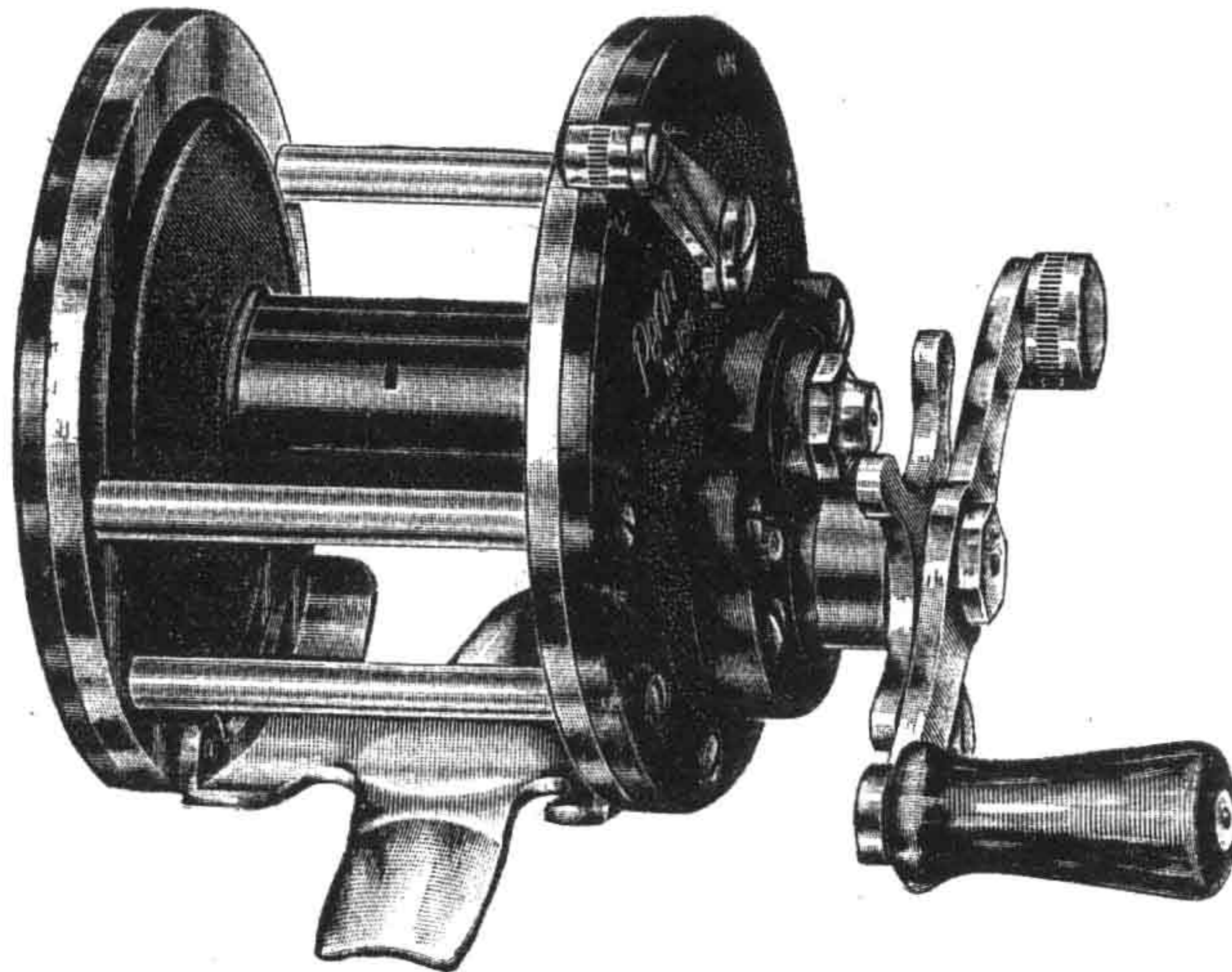
NOTE: ALL LINE CAPACITIES ARE BASED ON 50'S LEA LINEN LINE

FOR LIGHT TACKLE AND BAY FISHING

WITH EASY-CAST PLASTIC OR METAL SPOOLS

PENN BAYMASTER

100 YARDS CAPACITY



Made with and without Star Drag

150 Yard METAL SPOOL REELS

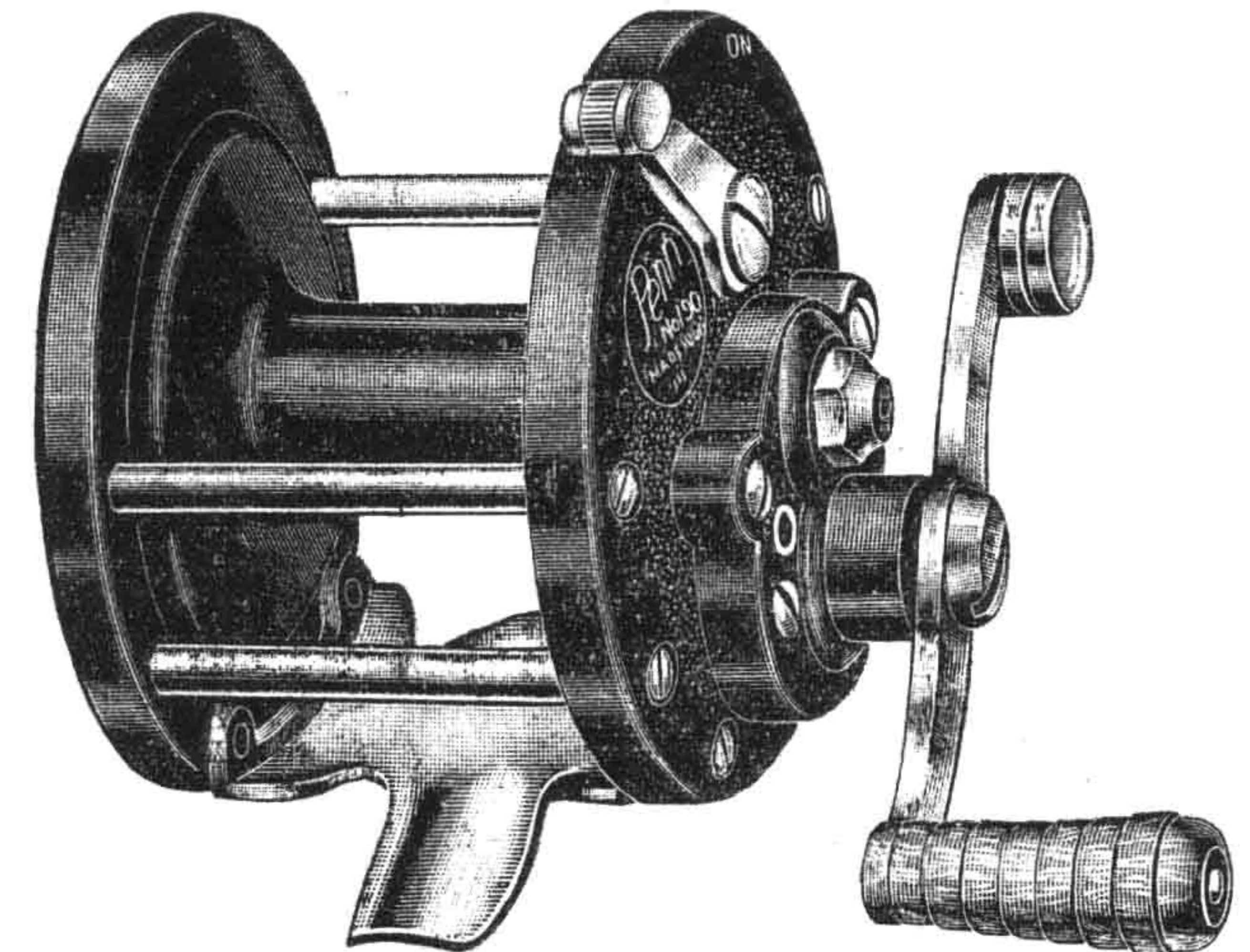
	Fair Trade List Price
No. 180M—Star Drag—2 $\frac{3}{8}$ " Stand. Weight, 12 $\frac{1}{2}$ oz.	\$8.50
No. 180MS—Star Drag—2 $\frac{1}{8}$ " Stand. Weight, 12 $\frac{1}{2}$ oz.	8.50
No. 185M—Free Spool—2 $\frac{3}{8}$ " Stand. Weight, 12 oz.	7.00
No. 185MS—Free Spool—2 $\frac{1}{8}$ " Stand. Weight, 12 oz.	7.00
No. 190M—Free Spool—2 $\frac{3}{8}$ " Stand. Weight, 11 oz.	6.00
No. 190MS—Free Spool—2 $\frac{1}{8}$ " Stand. Weight, 11 oz.	6.00

These models are identical with models shown on this page, but equipped with reinforced metal spools.

NOTE: Reels on this page are made with stands for either saltwater or freshwater rods. Saltwater rods require stands 2 $\frac{1}{8}$ ", freshwater rods require stands 2 $\frac{3}{8}$ ".

PENN BAY-STAR

100 Yard
WITH "EASY CAST" SPOOL



	Fair Trade List Price
No. 180—Star Drag—For Baitcasting Rods with offset reel seats.....	\$7.50
No. 180S—Star Drag—With Long Reel Stand for Saltwater Rods.....	7.50
No. 185—Free Spool—For Baitcasting Rods with offset reel seats.....	6.00
No. 185S—Free Spool—With Long Reel Stand for Saltwater Rods.....	6.00

Left Hand Models, \$1.00 extra.

The Penn Baymaster is a small, lightweight reel that will add greatly to the pleasure of light-tackle fishing. Capacity of all Baymasters is 100 yds. of No. 9 and all models are equipped with free-spool clutch, sliding click and One Shot Lubrication system. End plates are streamlined and metal bound. Plate diameter 2 $\frac{3}{4}$ ", spool width 1 $\frac{5}{8}$ ", weight 11 $\frac{1}{2}$ ozs.

	Fair Trade List Price
No. 190—Free Spool—For Baitcasting Rods with offset reel seats.....	\$5.00
No. 190S—Free Spool—With Long Stand for Saltwater Rods.....	5.00

Left Hand Models, \$1.00 Extra

Here is a moderately priced light tackle reel for bay fishing, lake trolling and still fishing. The spiral cut gears are triple multiplying for speedy action. Free spool clutch is operated by-a snap lever on rim. Metal parts are nickel-plated. Streamlined end plates are engraved and 2 $\frac{3}{4}$ " in diameter. Weight 11 oz.

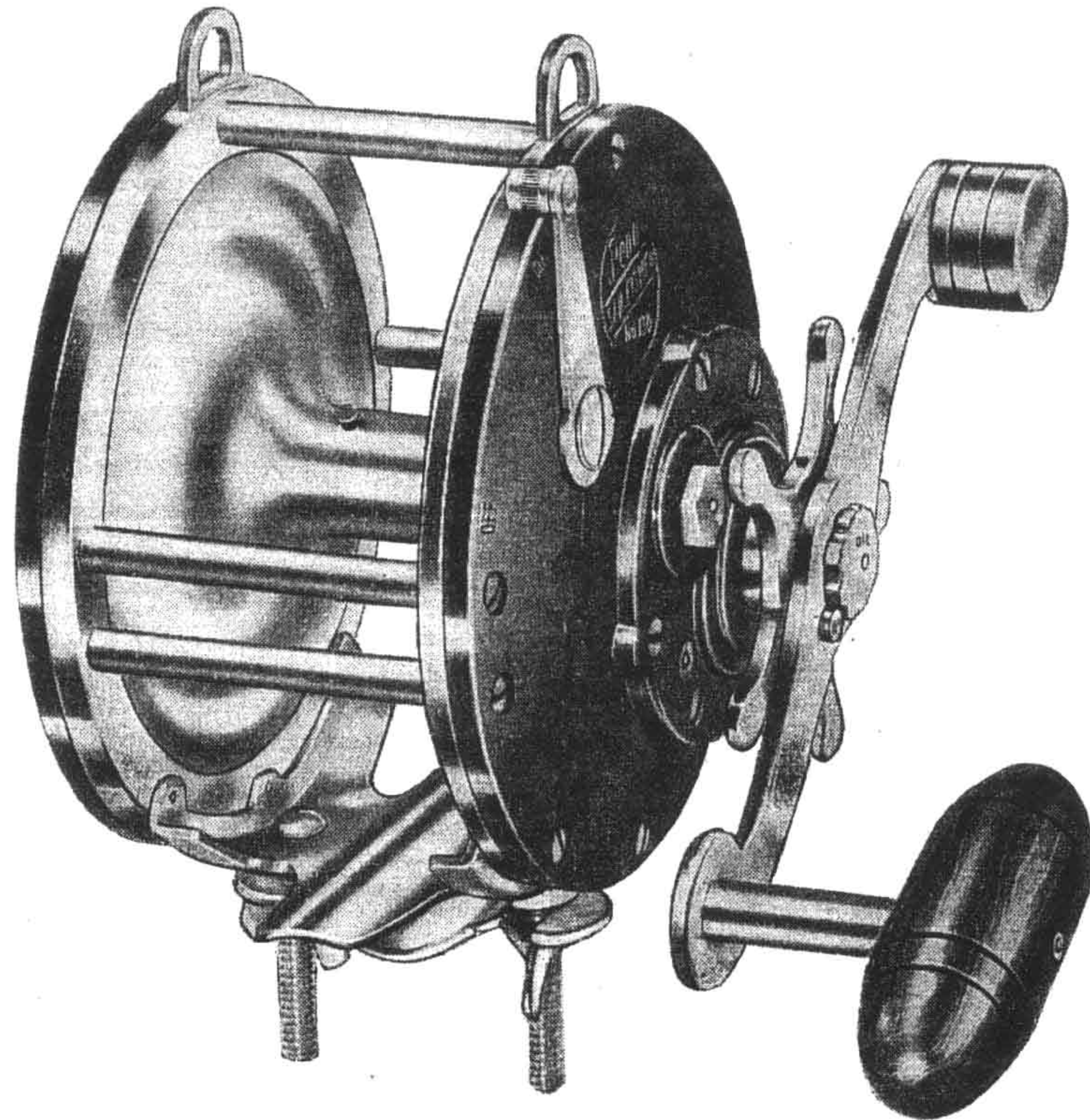
NOTE: ALL LINE CAPACITIES ARE BASED ON 50'S LEA LINEN LINE .

NARROW SPOOL, LARGE ARBOR REELS

with fast retrieve for wire line trolling

NEW! PENN SAILFISHER

GEAR RATIO 3 TO 1
NOW WITH SOLID ONE-PIECE CAST SPOOL



FOR DEEP LAKE TROLLING, SALMON AND BOTTOM FISHING

Fair Trade
List Price

No. 130—Solid Cast Spool, Rod Clamps, Harness Lugs **\$19.00**

Line Capacity 400 yds. No. 9, 300 yds. No. 12, 250 yds. No. 15, 300 yds. 18 lb. Lead Core line.

Weight of reel 29½ oz.

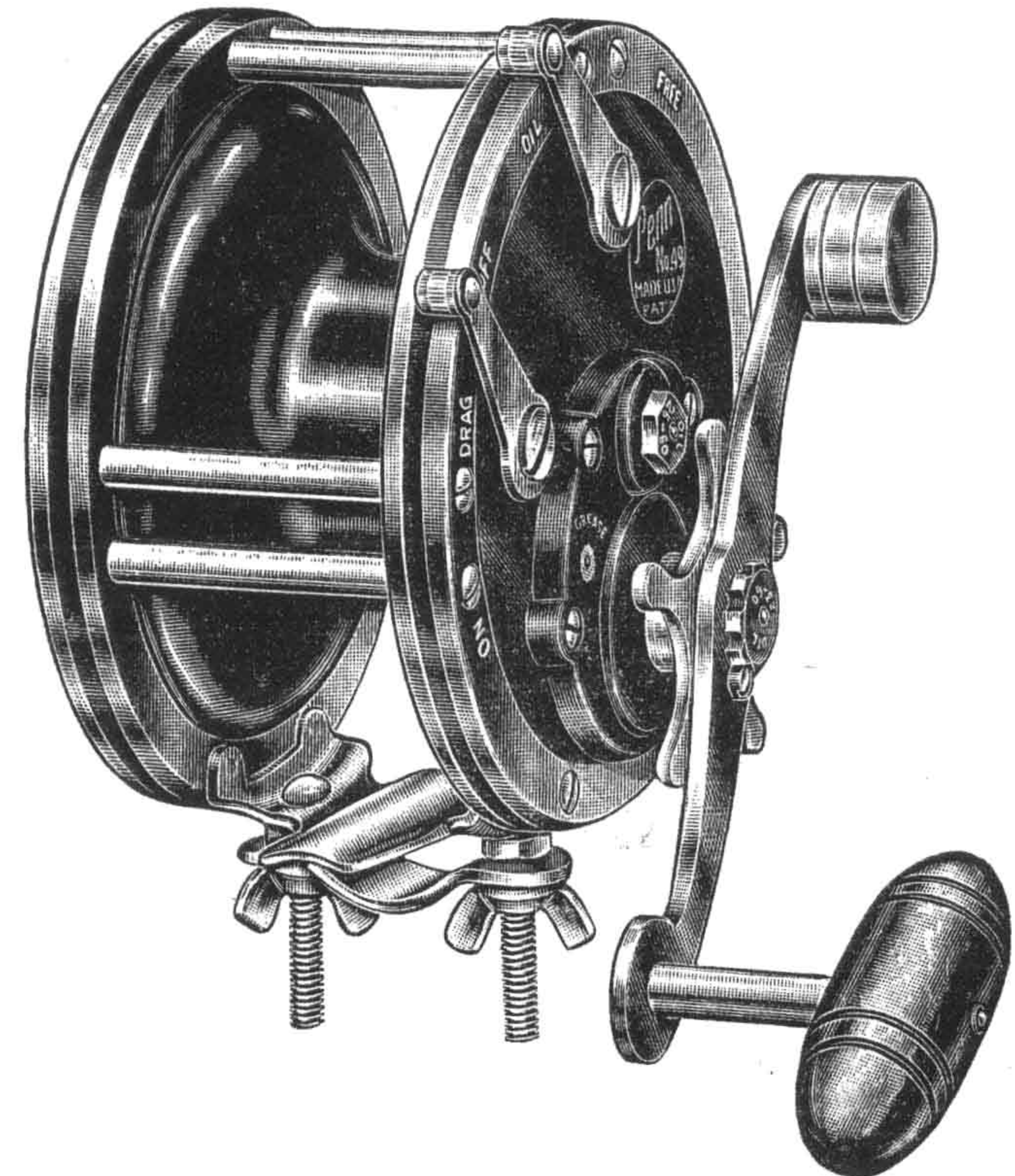
Plate diameter 3¾", Spool width 1½", Gear Ratio 3 to 1.

The Penn Sailfisher has been designed to meet the need for an exceptionally strong reel for light tackle enthusiasts. This reel now features a solid one-piece cast metal spool with the strength and ruggedness required for sailfish, marlin, tuna, dolphin, albacore, wahoo, kingfish, tarpon, etc. The smooth acting star drag, extra strong main and pinion gears, one shot lubrication system, rod clamps, harness lugs and oversize torpedo handle merit the popularity this reel enjoys among Northwest salmon fishermen.

PENN SUPER-MARINER

GEAR RATIO 3½ TO 1

WITH
FAST
RETRIEVE
FOR
DEEP
TROLLING
WITH
WIRE
OR
OTHER
LINES



Fair Trade
List Price

No. 49—Convertible Star Drag—Plastic Spool **\$17.00**

No. 49M—Convertible Star Drag—Reinforced Metal Spool **18.50**

Weight of reel 29½ oz.

Left hand models, extra, **\$1.00**

Capacity—225 yds. No. 12, 175 yds. No. 15, 125 yds. No. 18.

Stainless Steel or Monel, single strand wire line capacity—200 yds. No. 10—.024" diameter, 300 yds. No. 8—.020" diameter.

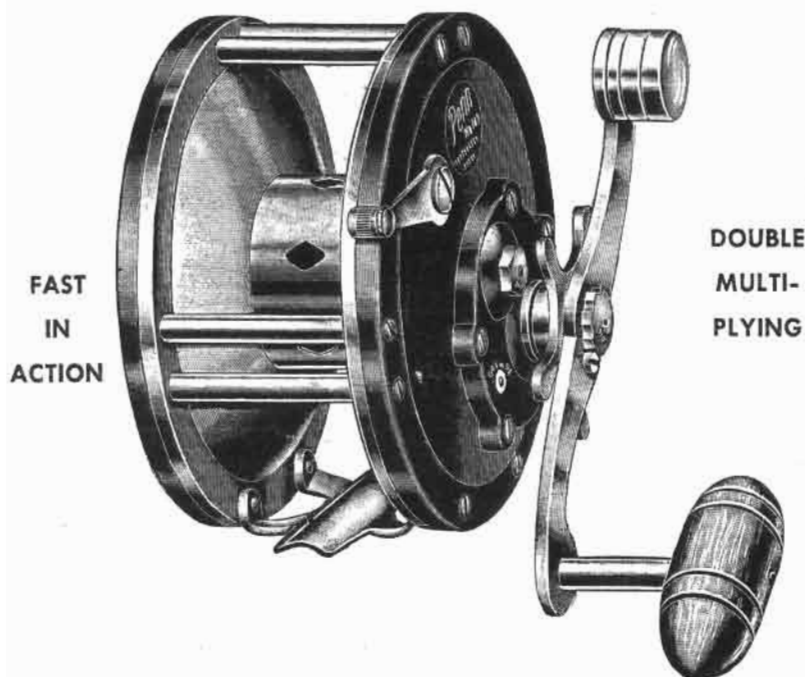
Penn Models No. 49 and No. 49M are exceptionally fast acting. The 3½ to 1 gear ratio helps retrieve about 2½ feet of line with each turn of the handle. Both models are equipped with the Penn convertible star drag feature and may be fished as a star drag or free spool reel. (See Page 26.) Gears are always in mesh and cannot strip. End plates are doubly strong and metal bound at both the inner and outer rims. Reel stand is fitted with an attached rod clamp. Metal parts are polished and chromium plated.

PENN REELS ARE DESIGNED BY FISHERMEN FOR THE FISHERMEN

NARROW SPOOL REELS FOR TROLLING

EXCELLENT FOR WIRE AND LEAD CORE LINES

PENN MARINER



FAST
IN
ACTION

DOUBLE
MULTI-
PLYING

IDEAL FOR DEEP SEA BOTTOM FISHING

- | | |
|---|-------------------------------------|
| No. 149—Star Drag—Double Multiplying—Plastic Spool..... | Fair Trade
List Price
\$13.00 |
| No. 149M—Star Drag—Double Multiplying—Metal Spool..... | 14.50 |
| Weight of reel 24 oz. | |

Penn models 149 and 149M are similar to model 49 in design, but are without the convertible star drag feature. End plates are reinforced by a chrome plated brass inside ring. Steel gears have 2.1 to 1 ratio. Both models retrieve line quickly because of the large diameter of the spool arbor (1 1/4"). Metal parts are hand polished and chromium plated.

PENN ANGLER

NEW
IN
DESIGN

RUST-
PROOF
SPOOL



TRIPLE MULTIPLYING REEL FOR USE OVER OR UNDER REEL SEAT
MAY BE USED RIGHT OR LEFT HANDED

- | | |
|----------------------------------|------------------------------------|
| No. 249—Gear Ratio 3.2 to 1..... | Fair Trade
List Price
\$6.50 |
| Weight of reel 17 1/2 oz. | |

Our model No. 249 reel is a fast action reel without the free spool arrangement and suitable for lake trolling and deep sea fishing. Light weight spool cannot rust. Sturdy end plates have adjustable click. Frame is reinforced with double pillars. Metal parts are polished and nickel-plated.

LINEN LINE CAPACITY

200 yd. No. 15
250 yd. No. 12

SINGLE STRAND WIRE LINE CAPACITY

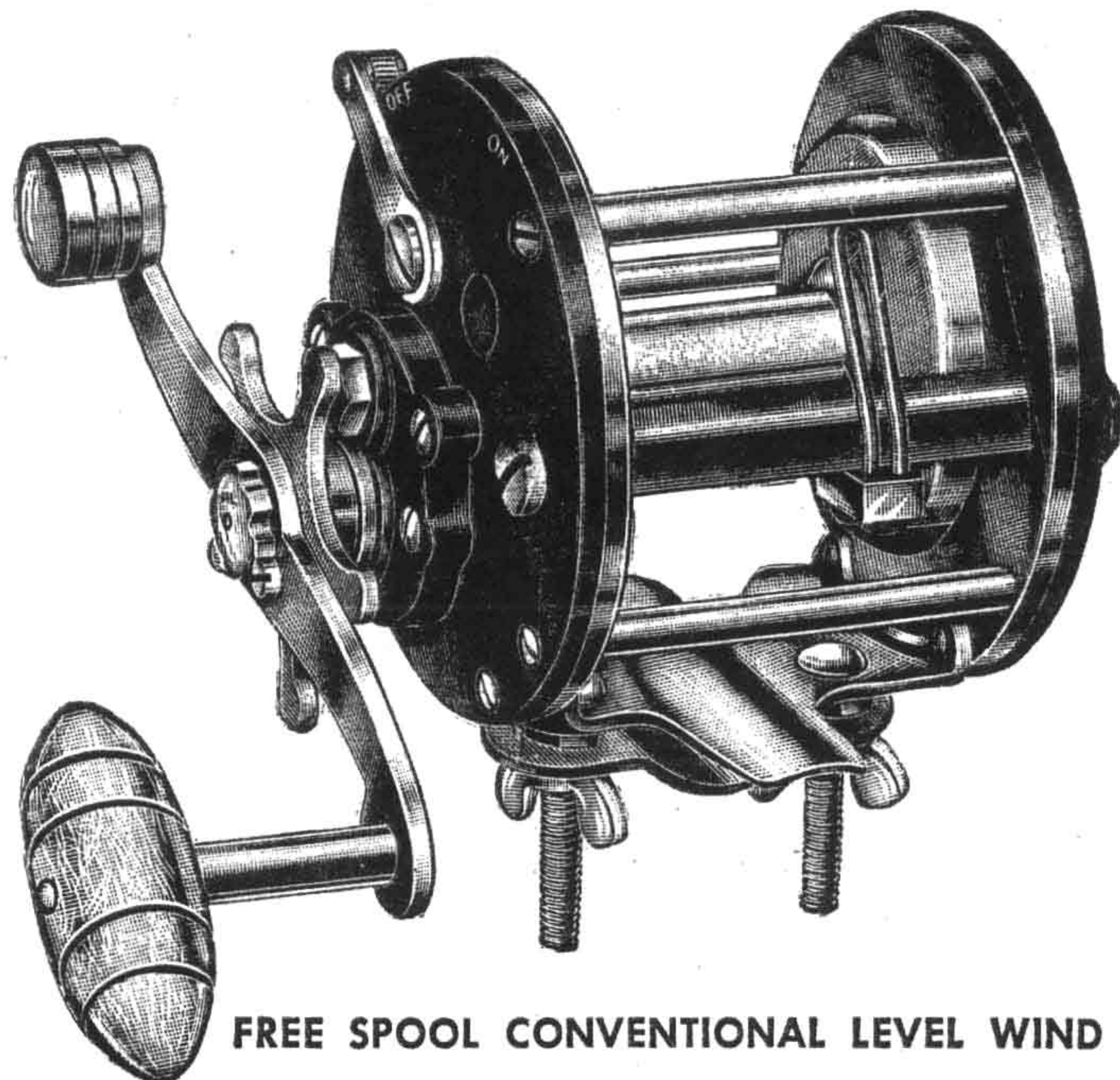
200 yd. .024" diam.
300 yd. .020" diam.

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

Penn PEER LEVEL-WIND REELS



PENN PEER, Sr., No. 209 PENN PEERLESS No. 9



FREE SPOOL CONVENTIONAL LEVEL WIND REELS

PENN PEER, Sr.

	Fair Trade List Price
No. 209—Capacity 180 yds. No. 9.....	\$14.50
No. 209M—Capacity 200 yds. No. 9—Metal Spool	15.00
Left hand models \$4.00 extra.	

PENN PEERLESS

	Fair Trade List Price
No. 9—2 $\frac{3}{8}$ " Reel Stand for Baitcasting Rods, Plastic Spool.....	\$13.00
No. 9S—2 $\frac{1}{8}$ " Reel Stand for Saltwater Rods, Plastic Spool.....	13.00
No. 9M—2 $\frac{3}{8}$ " Reel Stand for Baitcasting Rods, Metal Spool.....	13.95
No. 9MS—2 $\frac{1}{8}$ " Reel Stand for Saltwater Rods, Metal Spool.....	13.95
Left hand models \$4.00 extra.	

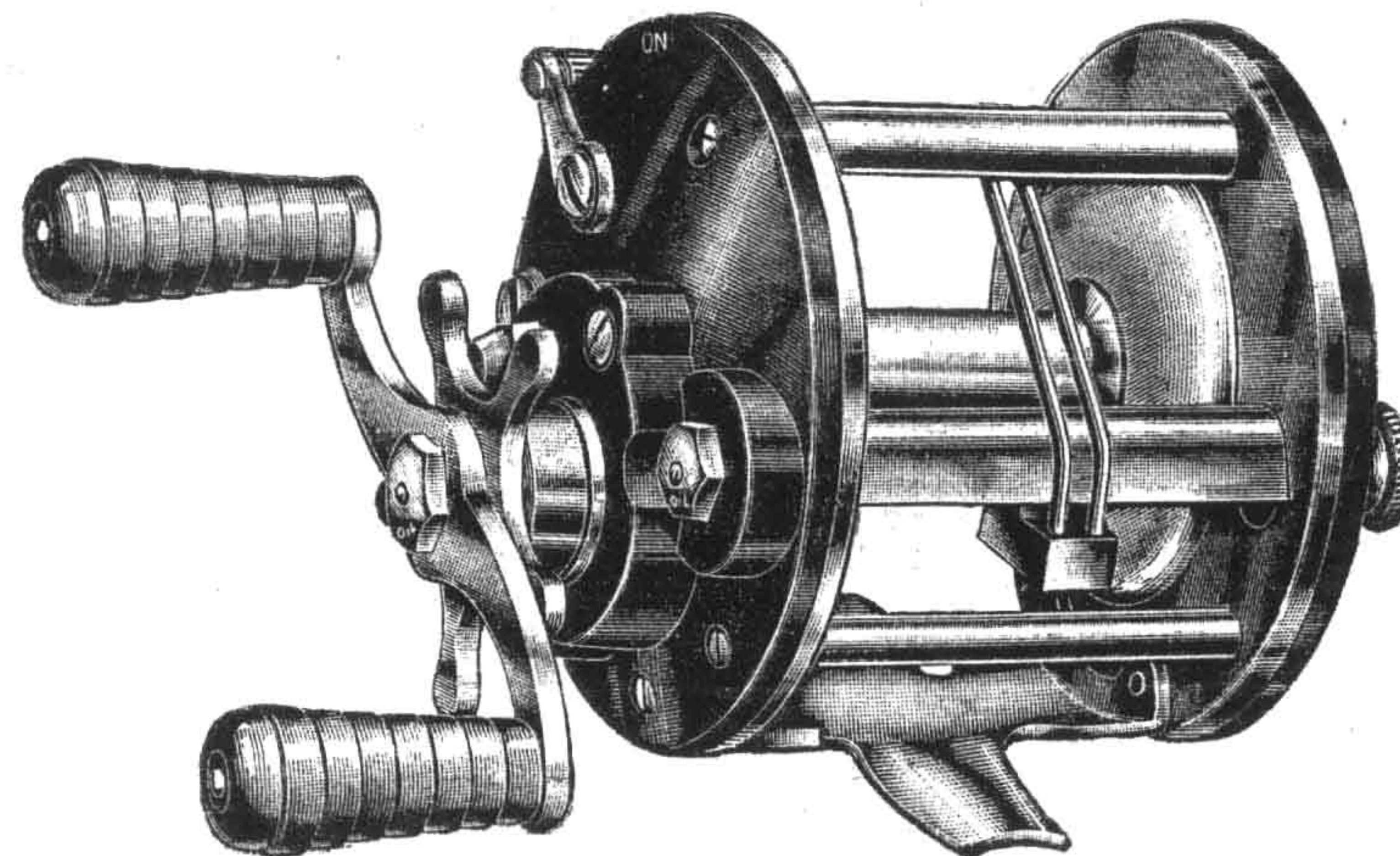
Line Capacity, Plastic Spool, 100 yds. No. 9, weight of reel 18 $\frac{1}{2}$ oz.

Line Capacity, Metal Spool, 150 yds. No. 9, weight of reel 19 $\frac{1}{2}$ oz.

Penn level-wind reels are especially designed for the light tackle salt water angler who desires a level-wind casting reel combining the features of a star drag salt water reel and the casting ability, plus the lightness of the fresh water service reel. Metal parts are heavily chromium plated.

We have designed the No. 9 and the larger No. 209 level-wind reels for star drag, free spool operation. With these models the handle does not revolve on the cast. Both reels have positive level-wind action with a spare pawl recessed under protective screw in end plates.

PENN PEER, Jr. STAR DRAG—LEVEL WIND



	Fair Trade List Price
No. 109—2 $\frac{3}{8}$ " Reel Stand for Baitcasting Rods, Plastic Spool.....	\$11.50
No. 109S—2 $\frac{1}{8}$ " Reel Stand for Saltwater Rods, Plastic Spool.....	11.50
No. 109M—With Baitcasting Stand and Metal Spool.....	12.50
No. 109SM—With Saltwater Rod Stand and Metal Spool.....	12.50

Left Hand Models, \$4.00 extra

(Add LH after reel number)

Line Capacity, Plastic Spool, 100 yds. No. 9, weight of reel 12 oz.

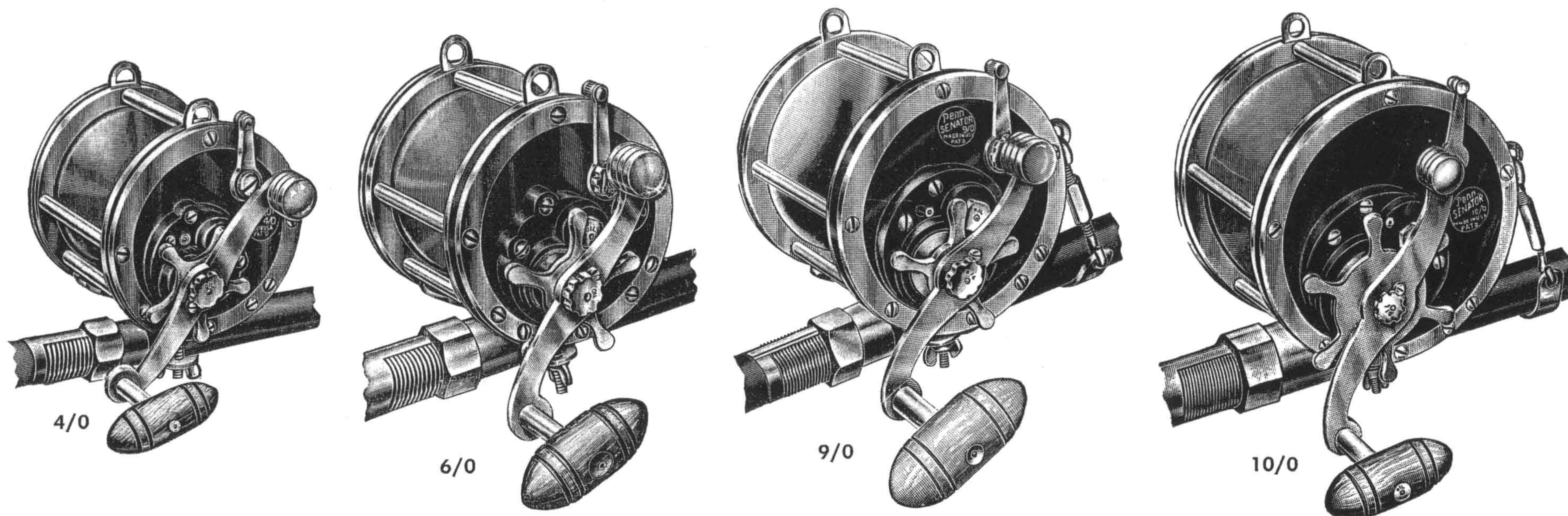
Line Capacity, Metal Spool, 150 yds. No. 9, weight of reel 13 oz.

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 yd. No. 9, or 150 yd. No. 6, and is equipped with our lightweight plastic spool. The 109M is equipped with our reinforced metal spool, capacity 150 yd. No. 9, or 200 yd. No. 6, making it very desirable for light salt-water fishing, and heavy fresh-water trolling. The star drag is designed to tackle game-fish and is very powerful, yet smooth in action. The drag can be put into operation by the flip of a lever. The gear ratio of these reels is 3 $\frac{3}{4}$ to 1. The level-wind mechanism is sturdily built and dependable. A spare level-wind pawl is furnished with every reel in a magazine on the front plate. Metal parts are heavily chromium-plated.

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

Penn SENATOR Reels

TARPON, SAILFISH, MARLIN, BROADBILL, TUNA



SENATORS FOR LIGHT TACKLE TROLLING

PRICES AND SPECIFICATIONS

No. and Size of Reel	Style of Tackle	Plate Diam.	Spool Width	Weight of Reel	Fair Trade List Price
No. 110—1/0	4- 6	3 1/16"	1 5/8"	18 oz.	\$15.00
No. 111—2/0	5- 9	3 1/4"	1 13/16"	22 oz.	17.50
No. 112—3/0	6-12	3 1/4"	2 7/16"	26 oz.	19.00

Left Hand Models, \$1.00 Extra

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

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

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

The Senator line is equipped with our latest design heavy duty spools which are stronger and better than ever before. Models from 4/0 to 12/0 are available with solid one-piece cast metal spools. The powerful smooth acting star drag washers are made from automobile brake lining (in models 6/0 to 16/0) which cannot burn up (see drag construction, page 26). The heavy steel driving gears and strong stainless steel pinion gears have proven their ability to stand up against the gamest fighters of the sea. Most models are equipped with harness lugs and rod clamps. Forward rod braces are on 9/0, 10/0 and 12/0 sizes. Sizes 14/0 and 16/0 have both rod and butt braces. The spools of the 10/0, 12/0, 14/0 and 16/0 run in ball bearings. Handles are fitted with our powerful torpedo grip. Frames are 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 AND

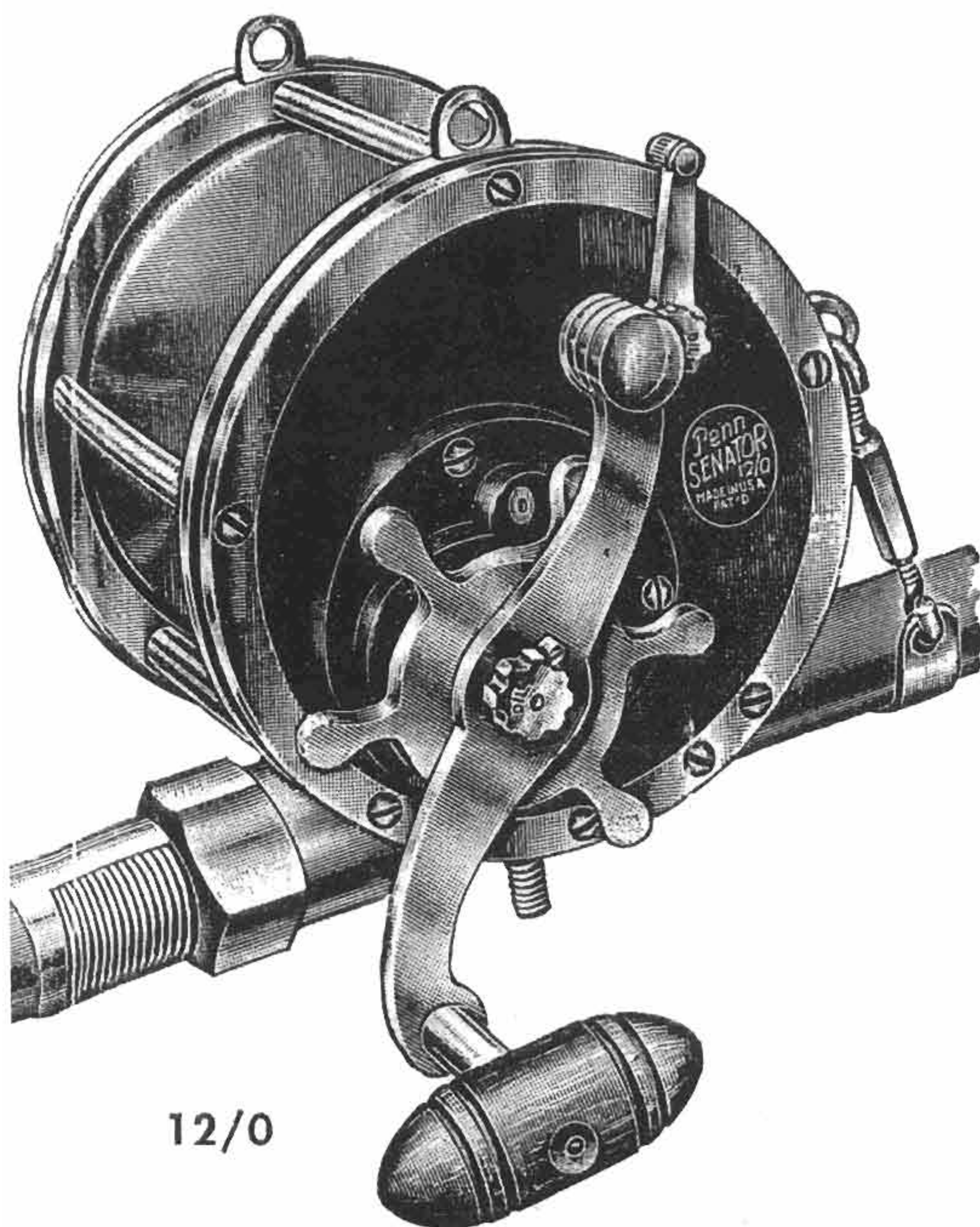
No. of Reel	Size of Reel	Style of Trolling
No. 113	4/0	Light
No. 114	6/0	Light
No. 115	9/0	Medium
No. 116A	10/0	Med. Heavy
No. 116	12/0	Heavy
No. 117	14/0	Ex. Heavy
No. 118	16/0	Ex. Heavy

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

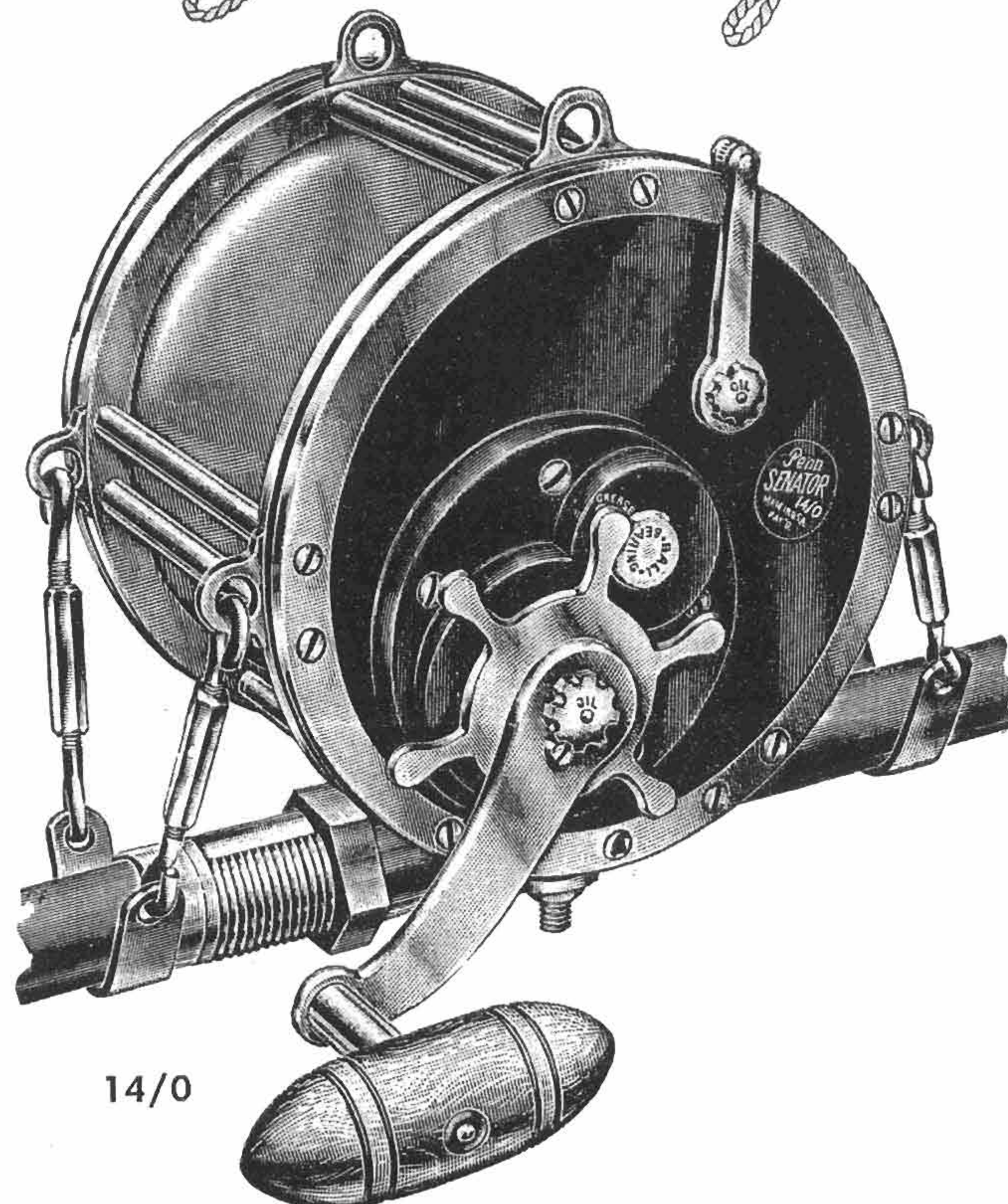
LINE CAPACITY

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

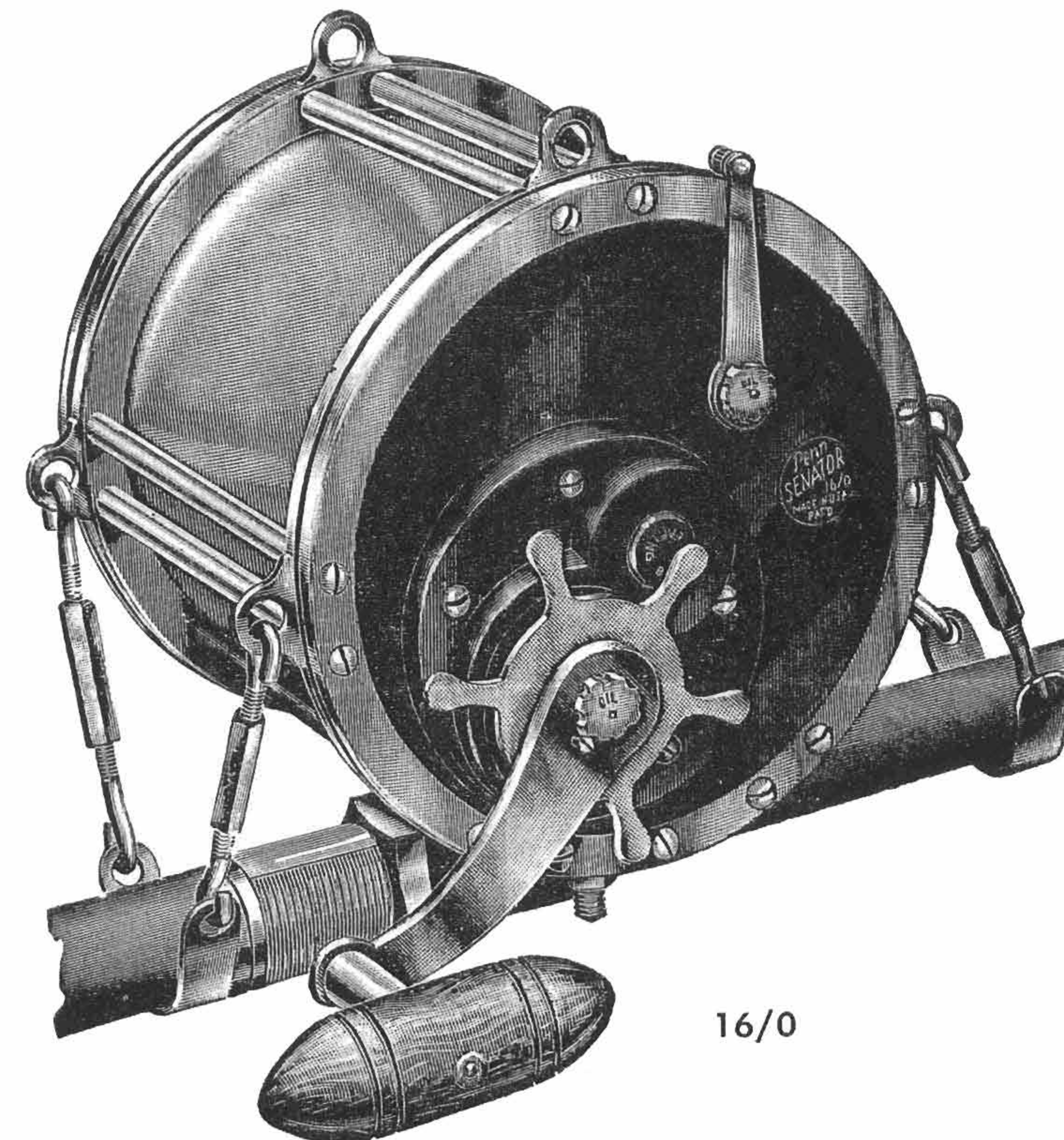
For Big Game Fishing



12/0



14/0



16/0

TECHNICAL SPECIFICATIONS

	Plate Diam.	Spool Width	Weight of Reel	Price Each
	3 5/8"	2 7/16"	1 3/4 lbs.	\$22.00
	4 1/8"	2 9/4"	3 lbs.	32.00
	4 5/8"	3 1/4"	3 1/2 lbs.	37.00
	5 3/4"	3 3/4"	5 1/4 lbs.	55.00
	5 3/4"	4"	6 lbs.	65.00
	7"	4"	8 1/2 lbs.	80.00
	7"	5"	9 lbs.	100.00

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

CAPACITY IN YARDS

Size of Line					
No. 18	No. 21	No. 24	No. 36	No. 54	No. 72
250					
400	350				
600	500	450	450	400	
	700	600	600	600	450
		900	800	750	600
			1100		

NEW! SOLID ONE-PIECE CAST METAL SPOOLS

Here is the ultimate development in fighting gear for big-game fishing. Penn's new one-piece metal spools are precision-machined solid castings and are the strongest spools ever to be put into fishing reels. In tests with braided nylon, many large tuna have been taken on these new, stronger spools with no spool distortion resulting. Senators 10/0 and 12/0 with solid one-piece spools also have ball bearings for smooth action.

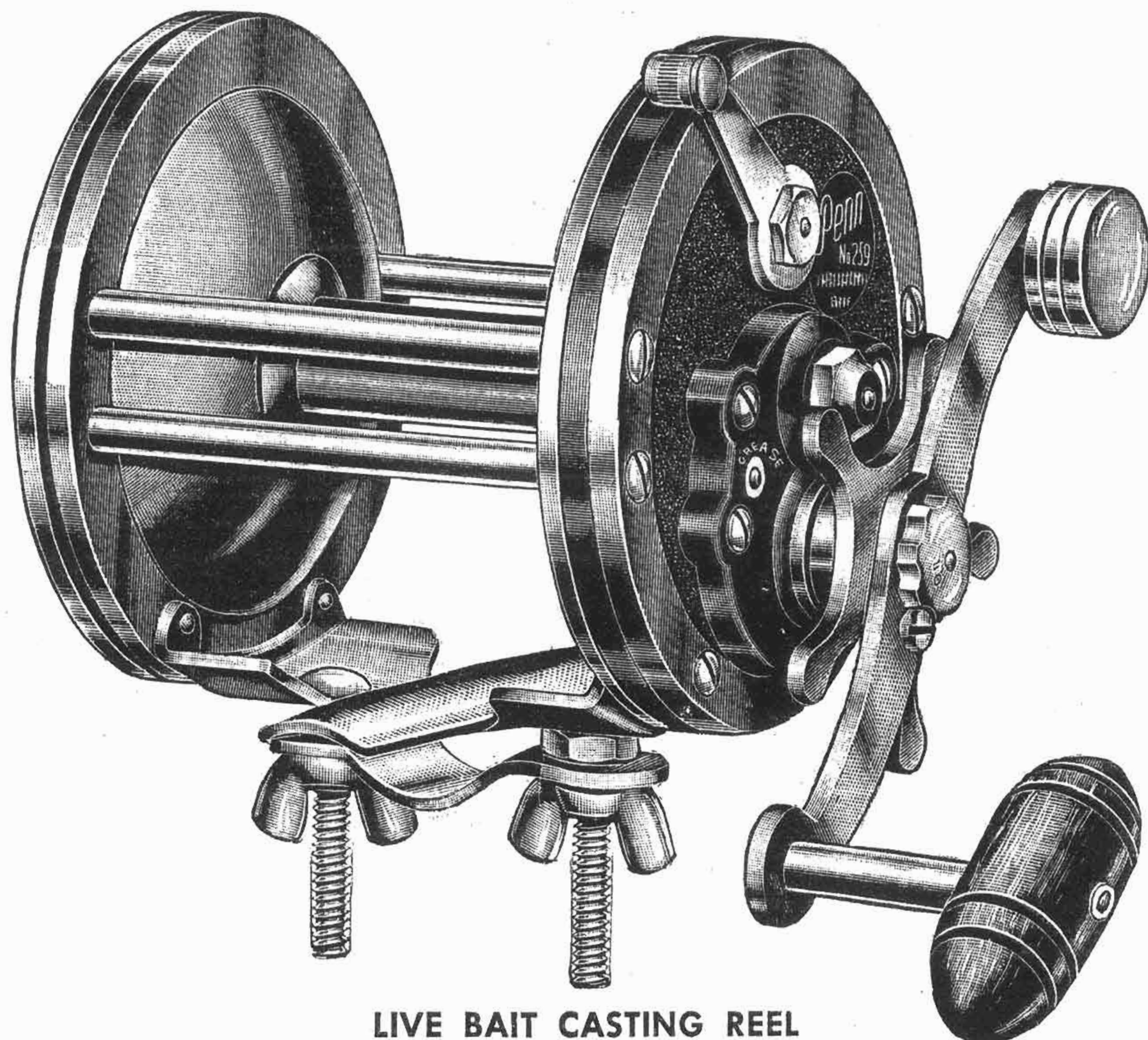
BALANCED TACKLE FOR GAME FISH TROLLING

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.

MANUFACTURERS OF BETTER REELS FOR SPORT FISHING

PENN LIVE-BAIT-CASTER

250 and 300 Yards

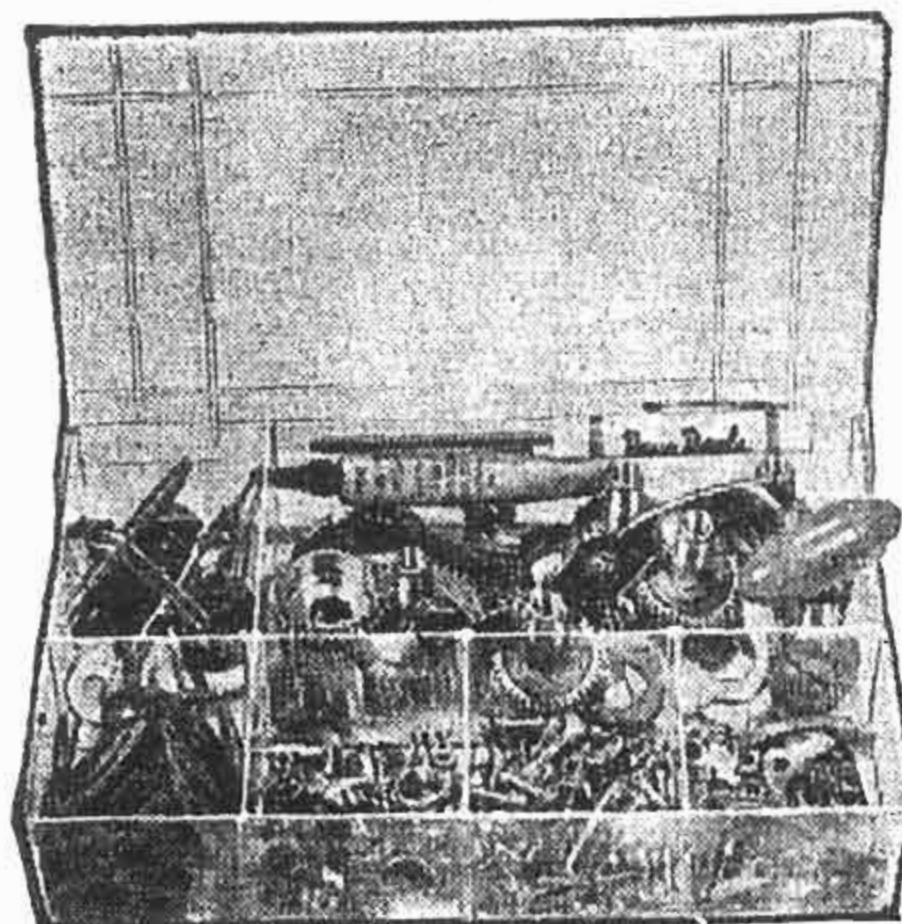


LIVE BAIT CASTING REEL

- | | |
|---|-------------------------------------|
| No. 259—Plastic Spool, Cap. 250 Yds. No. 9..... | Fair Trade
List Price
\$14.95 |
| No. 259M—Metal Spool, Cap. 300 Yds. No. 9..... | 15.95 |
| Weight of Reel 19½ oz. | |
| Left hand models, extra, \$1.00 | |

These live bait casting reels have sturdy wide spools for smooth easy handling. The model 259M, with reinforced metal spool and 300 yd. capacity, is also suitable for trolling. End plates of both models are double metal bound and frames are heavily chromium plated.

KIT No. 6



PENN REEL PARTS KITS

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

PARTS KIT No. 6—\$20.00

For all Penn Reels

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

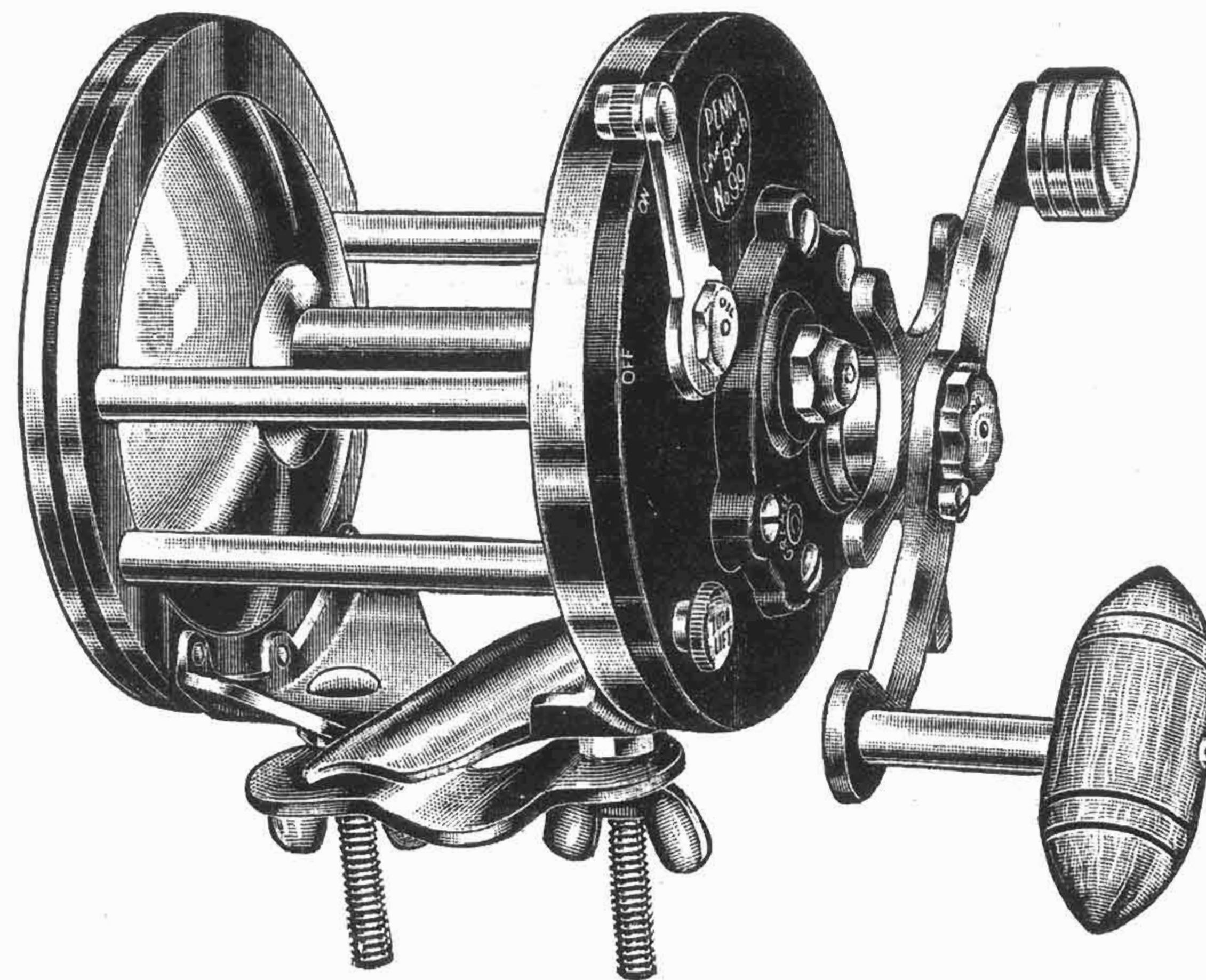
PARTS KIT No. 4—\$20.00

For No. 109 and 209 Reels

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

PENN SILVER-BEACH

The "3 in 1" Quick Take-Apart Reel



COMBINATION SURF AND BOAT REEL

Equipped with 1 Casting and 1 Trolling Spool

Casting Spool, Cap. 200 yds. No. 9

Trolling Spool, Cap. 250 yds. No. 9

Weight of Reel 22½ oz.

- | | |
|--------------------------------|-------------------------------------|
| No. 99—With 2 Spools..... | Fair Trade
List Price
\$17.00 |
| Left hand model, extra, \$1.00 | |

Our Model 99 is an ideal all-around reel for casting, trolling and deep-sea fishing. Each reel is equipped with easy Take-Apart right side plate, and two interchangeable spools, one 200 yd. plastic spool for surf casting and squidding, and one 250 yd. heavy duty metal spool for trolling and bottom fishing.

Gear ratio is 3 to 1; plate diameter 3⅛"; spool width 2⅛". Frame is strong and heavily chromium plated.

HOW TO FIND PART NUMBER AND PRICE

Practically all Penn Reel parts are stamped with a part number. If the part you need does not have a part number stamped thereon, we suggest that you look for a similar part in the picture on page 19. This will give you the part illustration number. All parts are listed in this catalog with an illustration number at the top of pages 20 to 24. In these columns you will find the part number and price in line with the reel number (first and last columns). The first number before the dash is the part illustration number (page 19), the number after the dash is the reel number. If the same part number is listed under different reel numbers, this part is interchangeable. For example: On page 23, part 40-60 is shown to fit practically all Penn reels. Most Penn Reel dealers carry parts in stock.

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

This technical illustration displays 67 numbered parts for a Penn Model 14C, along with additional parts labeled TA 200. The parts are arranged in a grid-like fashion around a central circular component. The central part is a large circular cover with 'PENN' and '14C' markings. The parts include:

- 1: Large circular cover with 'PENN' and '14C' markings.
- 2: Large circular flange with six mounting holes.
- 3: Small circular flange with a central hole.
- 3C: Small circular flange with a central hole and a gear-like edge.
- 4: Small circular flange with a central hole.
- 5: Small circular flange with a central hole and a gear-like edge.
- 6: Small circular flange with a central hole.
- 7: Small circular flange with a central hole.
- 8: Small circular flange with a central hole.
- 9: Small circular flange with a central hole.
- 10: Small circular flange with a central hole.
- 11: Small circular flange with a central hole.
- 12: Small circular flange with a central hole.
- 13: Small circular flange with a central hole.
- 14: Small circular flange with a central hole.
- 14C: Small circular flange with a central hole and a gear-like edge.
- 15: Small circular flange with a central hole.
- 16: Small circular flange with a central hole.
- 17: Small circular flange with a central hole.
- 18: Small circular flange with a central hole.
- 19: Small circular flange with a central hole.
- 20: Small circular flange with a central hole.
- 21: Small circular flange with a central hole.
- 21S: Small circular flange with a central hole.
- 22: Small circular flange with a central hole.
- 23: Small circular flange with a central hole.
- 23A: Small circular flange with a central hole.
- 24: Small circular flange with a central hole.
- 25: Small circular flange with a central hole.
- 26: Small circular flange with a central hole.
- 27: Small circular flange with a central hole.
- 28: Small circular flange with a central hole.
- 29: Small circular flange with a central hole.
- 30: Small circular flange with a central hole.
- 31: Small circular flange with a central hole.
- 32: Small circular flange with a central hole.
- 33: Small circular flange with a central hole.
- 34: Small circular flange with a central hole.
- 35: Small circular flange with a central hole.
- 36: Small circular flange with a central hole.
- 37: Small circular flange with a central hole.
- 37S: Small circular flange with a central hole.
- 38: Small circular flange with a central hole.
- 39: Small circular flange with a central hole.
- 40: Small circular flange with a central hole.
- 41: Small circular flange with a central hole.
- 42: Small circular flange with a central hole.
- 43: Small circular flange with a central hole.
- 44: Small circular flange with a central hole.
- 44A: Small circular flange with a central hole.
- 45: Small circular flange with a central hole.
- 46: Small circular flange with a central hole.
- 47: Small circular flange with a central hole.
- 48: Small circular flange with a central hole.
- 50: Small circular flange with a central hole.
- 54: Small circular flange with a central hole.
- 56: Small circular flange with a central hole.
- 60: Small circular flange with a central hole.
- 62: Small circular flange with a central hole.
- 63: Small circular flange with a central hole.
- 64: Small circular flange with a central hole.
- 65: Small circular flange with a central hole.
- 66: Small circular flange with a central hole.
- 67: Small circular flange with a central hole.
- TA 200: Small circular flange with a central hole.

NOTE: Do not order parts by designation number. Use designation number to find the correct part number. When ordering left hand parts mark letters (LH) after Part Number.

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

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

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

19

PENN REEL PARTS No. 1 TO No. 10

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

Reel No.	No. 1 Right Side Plate		No. 2 Right Side Ring		No. 3 Gear Bridge with Sleeve		No. 3C Bridge Comp. 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 Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Per Set	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	
9	1-9	.90	2-109	.50	3-9	1.00	3C-9	2.40	4-155	.03	5-109	.50	6-155	.03	7-155	.18	8-60	.10	9-60	.15	10-180	.50	9
25	1-25	1.00	2-155	.50	3-155	1.00	3C-155	2.40	4-155	.03	5-155	.50	6-155	.03	7-155	.18	8-60	.10	9-60	.15	10-60	.50	25
26	1-26	1.00	2-155	.50	3-155	1.00	3C-155	2.40	4-155	.03	5-155	.50	6-155	.03	7-155	.18	8-60	.10	9-60	.15	10-60	.50	26
27	1-27	1.00	2-155	.50	3-155	1.00	3C-155	2.40	4-155	.03	5-155	.50	6-155	.03	7-155	.18	8-60	.10	9-60	.15	10-60	.50	27
49	1-49	1.00	2-49*	1.00	3-49	1.00	3C-49	2.50	4-60	.03	5-49	.50	6-49♥	.04	7-49	.30	8-60	.10	9-60	.15	10-49	.75	49
60	1-60	.75	2-60	.60	3-60	1.00	3C-60	2.20	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	60
65	1-65	.75	2-60	.60	3-60	1.00	3C-60	2.20	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	65
66	1-66	.90	2-66	.75	3-66	1.00	3C-66	2.40	4-60	.03	5-66	.50	6-60♥	.03	7-66	.30	8-60	.10	9-66☐	.20	10-66	.75	66
67	1-67	.90	2-66	.75	3-66	1.00	3C-66	2.40	4-60	.03	5-66	.50	6-60♥	.03	7-66	.30	8-60	.10	9-66☐	.20	10-66	.75	67
68	1-68	.90	2-66	.75	3-66	1.00	3C-66	2.40	4-60	.03	5-66	.50	6-60♥	.03	7-66	.30	8-60	.10	9-66☐	.20	10-66	.75	68
78	1-78	.75	....	..	3-78	.25	....	..	....	..	5-78	.50	....	..	....	..	....	..	....	..	....	..	78
79	1-79	.75	....	..	3-78	.25	....	..	....	..	5-78	.50	....	..	....	..	....	..	....	..	....	..	79
85	1-85	.75	....	..	3-85	.80	3C-85	2.20	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	85
99	1-99	1.50	2-99	1.25	3-99	1.00	3C-99	2.40	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	99
100	1-100	1.50	2-200	1.25	3-200	1.00	3C-200	2.40	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	100
109	1-109	.75	2-109	.50	3-109	.80	3C-109	2.00	4-155	.03	5-109	.50	6-155	.03	7-155	.18	8-60	.10	9-60	.15	10-180	.50	109
110	1-110	.75	2-110*	.60	3-99	1.00	3C-99	2.40	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	110
111	1-111	.75	2-111*	.60	3-66	1.00	3C-66	2.40	4-60	.03	5-66	.50	6-60♥	.03	7-66	.30	8-60	.10	9-66☐	.20	10-60	.50	111
112	1-112	.75	2-111*	.60	3-66	1.00	3C-66	2.40	4-60	.03	5-66	.50	6-60♥	.03	7-66	.30	8-60	.10	9-66☐	.20	10-60	.50	112
113	1-113	1.00	2-113*	1.00	3-113	1.00	3C-113	2.50	4-60	.03	5-66	.50	6-60♥	.03	7-66	.30	8-60	.10	9-66☐	.20	10-66	.75	113
114	1-114	1.50	2-114*	1.25	3-114	2.00	3C-114	4.75	4-114	.04	5-114	1.00	6-114	.12	7-114	.30	8-114	.20	9-114♠	.40	10-114	1.00	114
115	1-115	2.50	2-115*	1.50	3-115	2.25	3C-115	5.50	4-115	.04	5-115	1.25	6-115	.16	7-115	.40	8-114	.20	9-115♠	.40	10-114	1.00	115
116A	1-116A	3.00	2-116*	2.00	3-116	2.50	3C-116	8.25	4-116	.04	5-116	2.50	6-116	.16	7-116	.60	8-116	.20	....	..	10-116	1.50	116A
116	1-116	3.00	2-116*	2.00	3-116	2.50	3C-116	8.25	4-116	.04	5-116	2.50	6-116	.16	7-116	.60	8-116	.20	....	..	10-116	1.50	116
117	1-117	4.00	2-117*	2.40	3-117	4.00	3C-117	10.00	4-117	.04	5-117	2.50	6-117	.20	7-117	.90	8-117	.25	....	..	10-117	1.50	117
118	1-118	4.00	2-117*	2.40	3-117	4.00	3C-117	10.00	4-117	.04	5-117	2.50	6-117	.20	7-117	.90	8-117	.25	....	..	10-117	1.50	118
130	1-130	1.00	2-130	1.00	3-130	1.25	3C-130	3.00	4-130	.03	5-130	.70	6-130♥	.04	7-130	.30	8-130	.10	9-130	.25	10-130	.75	130
140	1-140	1.50	2-200	1.25	3-200	1.00	3C-140	2.40	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	140
145	1-145	1.50	2-200	1.25	3-200	1.00	3C-140	2.40	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	145
149	1-149	1.00	2-49	1.00	3-149	1.00	3C-149	2.25	4-60	.03	5-149	.50	6-60♥	.03	7-60	.18	8-60	.10	9-60	.15	10-49	.75	149
150	1-150	1.50	2-200	1.25	3-200	1.00	3C-200	2.40	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	150
155	1-155	.75	2-155	.50	3-155	1.00	3C-155	2.40	4-155	.03	5-155	.50	6-155	.03	7-155	.18	8-60	.10	9-60	.15	10-60	.50	155
160	1-160	.75	2-155	.50	3-155	1.00	3C-155	2.40	4-155	.03	5-155	.50	6-155	.03	7-155	.18	8-60	.10	9-60	.15	10-60	.50	160
165	1-165	.75	2-155	.50	3-165	.40	3C-165	1.60	....	..	5-165	.70	....	..	....	..	....	..	....	..	....	..	165
180	1-180	.75	2-155	.50	3-155	1.00	3C-155	2.40	4-155	.03	5-155	.50	6-155	.03	7-155	.18	8-60	.10	9-60	.15	10-180	.50	180
185	1-185	.75	2-155	.50	3-165	.40	3C-165	1.60	....	..	5-165	.70	....	..	....	..	....	..	....	..	....	..	185
190	1-190	.75	....	..	3-165	.40	3C-165	1.60	....	..	5-165	.70	....	..	....	..	....	..	....	..	....	..	190
200	1-200	1.50	2-200	1.25	3-200	1.00	3C-200	2.40	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	200
209	1-209	.75	2-209	.60	3-155	1.00	3C-155	2.40	4-155	.03	5-155	.50	6-155	.03	7-155	.18	8-60	.10	9-60	.15	10-60	.50	209
249	1-249	1.00	....	..	....	..	....	..	....	..	5-249	.50	....	..	....	..	....	..	....	..	....	..	249
250	1-250	1.50	2-250	1.25	3-99	1.00	3C-99	2.40	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	250
259	1-259	.75	2-110*	.60	3-99	1.00	3C-99	2.40	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	259
285	1-285	.75	....	..	3-60	1.00	3C-60	2.20	4-60	.03	5-60	.50	6-60	.03	7-60	.18	8-60	.10	9-60	.15	10-60	.50	285
350	1-350	1.15	2-350	.75	3-155	1.00	3C-155	2.40	4-155	.03	5-155	.50	6-155	.03	7-155	.18	8-60	.10	9-60	.15	10-60	.50	350

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

Right side ring for all Take-Apart Reels are only sold as one unit, due to construction.

♠ Spacing Sleeve Assembly consisting of Spacing Sleeve, Cover Plate, and Felt Washer.

♥ Specify whether you need leather or fibre washers.

☐ For old style reels, specify spacing sleeve, cover plate, and felt washers.

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

PENN REEL PARTS No. 11 TO No. 21

ILLUSTRATION OF PARTS ON PAGE 19. WHEN PART NUMBERS IN CHART ARE MARKED WITH SYMBOLS (□, ◇, •, †), SEE FOOTNOTE

Reel No.	No. 11 Eccentric Jack		No. 12 Pinion Yoke		No. 13 Pinion Gear		No. 14◇ Dog Spring		No. 15 Dog		No. 16 Bridge Screw Lower		No. 17 Bridge Screw Upper		No. 18 Clutch Spring		No. 19 Eccentric		No. 20 Eccentric Spring		No. 21 Eccentric Lever		Reel No.
	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	
9	11-9	.20	12-9	.16	13-9	.50	14-9	.03	15-9	.10	16-9	.04	17-9	.04	18-9	.03	19-9	.30	20-109	.03	21-109	.20	9
25	11-155	.20	12-155	.16	13-155	.50	14-155	.03	15-155	.10	16-60	.04	17-60	.04	18-60	.03	19-155	.25	20-155	.03	21-155	.20	25
26	11-155	.20	12-155	.16	13-155	.50	14-155	.03	15-155	.10	16-60	.04	17-60	.04	18-60	.03	19-155	.25	20-155	.03	21-155	.20	26
27	11-155	.20	12-155	.16	13-155	.50	14-155	.03	15-155	.10	16-60	.04	17-60	.04	18-60	.03	19-155	.25	20-155	.03	21-155	.20	27
49	11-49	.20	12-60	.16	13-49	.50	14-60	.03	15-49	.20	16-60	.04	17-60	.04	18-60	.03	19-60•	.30	20-60	.03	21-49	.30	49
60	11-60	.20	12-60	.16	13-60	.30	14-99	.03	15-99	.10	16-60	.04	17-60	.04	18-60	.03	19-60	.30	20-60	.03	21-285	.20	60
65	11-60	.20	12-60	.16	13-60	.30	14-99	.03	15-99	.10	16-60	.04	17-60	.04	18-60	.03	19-60	.30	20-60	.03	21-285	.20	65
66	11-66	.20	12-60	.16	13-66	.40	14-99	.03	15-99	.10	16-60	.04	17-60	.04	18-60	.03	19-60	.30	20-60	.03	21-66	.20	66
67	11-66	.20	12-60	.16	13-66	.40	14-99	.03	15-99	.10	16-60	.04	17-60	.04	18-60	.03	19-60	.30	20-60	.03	21-66	.20	67
68	11-66	.20	12-60	.16	13-66	.40	14-99	.03	15-99	.10	16-60	.04	17-60	.04	18-60	.03	19-60	.30	20-60	.03	21-66	.20	68
78	11-78	.20	12-60	.16	13-60	.30	.....	..	.....	..	16-78	.04	.....	..	18-60	.03	19-60	.30	20-60	.03	21-66	.20	78
79	11-60	.20	12-60	.16	13-60	.30	.....	..	.....	..	16-78	.04	.....	..	18-60	.03	19-60	.30	20-60	.03	21-285	.20	79
85	11-60	.20	12-60	.16	13-60	.30	14-60	.03	15-85	.10	16-60	.04	17-60	.04	18-60	.03	19-60	.30	20-60	.03	21-285	.20	85
99	11-99	.20	12-99	.16	13-99	.50	14-99	.03	15-99	.10	16-60	.04	17-60	.04	18-60	.03	19-110	.30	20-60	.03	21-66	.20	99
100	11-200	.20	12-155	.16	13-155	.50	14-155	.03	15-200	.10	16-60	.04	17-60	.04	18-60	.03	19-200	.30	20-155	.03	21-200	.20	100
109	.....	..	.....	..	13-109	.30	14-109	.03	15-109	.10	16-60	.04	.....	..	.....	..	19-109	.20	20-109	.03	21-109	.20	109
110	11-110	.20	12-110	.16	13-99	.50	14-60	.03	15-60	.10	16-60	.04	17-60	.04	18-60	.03	19-110	.30	20-60	.03	21-66	.20	110
111	11-60	.20	12-60	.16	13-66	.40	14-99	.03	15-99	.10	16-60	.04	17-60	.04	18-60	.03	19-110	.30	20-60	.03	21-66	.20	111
112	11-60	.20	12-60	.16	13-66	.40	14-99	.03	15-99	.10	16-60	.04	17-60	.04	18-60	.03	19-110	.30	20-60	.03	21-66	.20	112
113	11-130	.20	12-113	.20	13-113	.40	14-99	.03	15-99	.10	16-60	.04	17-60	.04	18-60	.03	19-110	.30	20-60	.03	21-66	.20	113
114	11-114	.60	12-114	.30	13-114	.80	14-114	.04	15-114	.16	16-114	.06	17-114	.06	18-114	.06	19-114	.40	20-114	.15	21-114	.40	114
115	11-115	.60	12-114	.30	13-114	.80	14-116	.04	15-115	.20	16-114	.06	17-114	.06	18-114	.06	19-115	.50	20-114	.15	21-114	.40	115
116A	11-116	.80	12-116	.50	13-116	1.50	14-116	.04	15-116	.30	16-114	.06	17-114	.06	18-114	.06	19-115	.50	20-114	.15	21-114	.40	116A
116	11-116	.80	12-116	.50	13-116	1.50	14-116	.04	15-116	.30	16-114	.06	17-114	.06	18-114	.06	19-115	.50	20-114	.15	21-114	.40	116
117	11-116	.80	12-116	.50	13-117	1.50	14-117	.05	15-117	.30	16-114	.06	17-114	.06	18-114	.06	19-115	.50	20-114	.15	21-117	.50	117
118	11-116	.80	12-116	.50	13-117	1.50	14-117	.05	15-117	.30	16-114	.06	17-114	.06	18-114	.06	19-115	.50	20-114	.15	21-117	.50	118
130	11-130□	.20	12-60	.16	13-130	.40	14-130	.03	15-130	.10	16-60	.04	17-60	.04	18-60	.03	19-130	.30	20-155	.03	21-130	.30	130
140	11-200	.20	12-155	.16	13-140	.50	14-140	.03	15-140	.20	16-60	.04	17-60	.04	18-60	.03	19-200•	.30	20-155	.03	21-200†	.20	140
145	11-200	.20	12-155	.16	13-140	.50	14-140	.03	15-140	.20	16-60	.04	17-60	.04	18-60	.03	19-200•	.30	20-155	.03	21-200†	.20	145
149	11-49	.20	12-113	.16	13-149	.40	14-60	.03	15-149	.10	16-60	.04	17-60	.04	18-60	.03	19-60	.30	20-60	.03	21-49	.30	149
150	11-200	.20	12-155	.16	13-155	.50	14-155	.03	15-200	.10	16-60	.04	17-60	.04	18-60	.03	19-200	.30	20-155	.03	21-200	.20	150
155	11-155	.20	12-155	.16	13-155	.50	14-155	.03	15-155	.10	16-60	.04	17-60	.04	18-60	.03	19-155	.25	20-155	.03	21-155	.20	155
160	11-155	.20	12-155	.16	13-155	.50	14-155	.03	15-155	.10	16-60	.04	17-60	.04	18-60	.03	19-155	.25	20-155	.03	21-155	.20	160
165	11-155	.20	12-155	.16	13-155	.50	.....	..	.....	..	16-60	.04	17-60	.04	18-60	.03	19-155	.25	20-155	.03	21-155	.20	165
180	11-155	.20	12-155	.16	13-155	.50	14-155	.03	15-155	.10	16-60	.04	17-60	.04	18-60	.03	19-155	.25	20-155	.03	21-155	.20	180
185	11-155	.20	12-155	.16	13-155	.50	.....	..	.....	..	16-60	.04	17-60	.04	18-60	.03	19-155	.25	20-155	.03	21-155	.20	185
190	11-155	.20	12-155	.16	13-155	.50	.....	..	.....	..	16-60	.04	17-60	.04	18-60	.03	19-155	.25	20-155	.03	21-155	.20	190
200	11-155	.20	12-155	.16	13-155	.50	14-155	.03	15-200	.10	16-60	.04	17-60	.04	18-60	.03	19-200	.30	20-155	.03	21-200	.20	200
209	11-155	.20	12-155	.16	13-155	.50	14-99	.03	15-209	.10	16-60	.04	17-60	.04	18-60	.03	19-209	.30	20-155	.03	21-209	.20	209
249	.....	..	.....	..	13-249	.30	.....	..	.....	..	.....	..	.....	..	.....	..	.....	..	.....	..	.....	..	249
250	11-99	.20	12-99	.16	13-99	.50	14-60	.03	15-60	.10	16-60	.04	17-60	.04	18-60	.03	19-110	.30	20-60	.03	21-66	.20	250
259	11-110	.20	12-110	.16	13-99	.50	14-60	.03	15-60	.10	16-60	.04	17-60	.04	18-60	.03	19-110	.30	20-60	.03	21-66	.20	259
285	11-60	.20	12-60	.16	13-60	.30	14-60	.03	15-60	.10	16-60	.04	17-60	.04	18-60	.03	19-60	.30	20-60	.03	21-285	.20	285
350	11-155	.20	12-155	.16	13-155	.50	14-99	.03	15-209	.10	16-60	.04	17-60	.04	18-60	.03	19-350	.30	20-155	.03	21-285	.20	350

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

◇ If you need a flat spring, please specify.

□ Old style reels contained Part No. 11-66.

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

• For Convertible Lever Eccentric, mark letter (C) after part number.

PENN REEL PARTS No. 22 TO No. 30

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

Reel No.	No. 22 Eccentric Screw			No. 23 Handle Screw			No. 23A Handle Lock Screw			No. 24 Handle Complete			No. 25 Knob, Rivet and Oiler			No. 26 Right Side Bearing			No. 27 Left Side Plate			No. 28 Left Side Ring			No. 29 Plastic Spool			No. 29M Metal Spool			No. 30 Reel Stand			Reel No.
	Part No.	Price Each		Part No.	Price Each		Part No.	Price Each		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		
9	22-109	.04		23-60	.25		23A-60	.02		24-160	1.20		25-160	.60		26-9	.30		27-9	1.15		28-109	.50		29-9	1.60		29M-9	2.40		30-109	1.20		9
25	22-60	.04		23-60	.25		23A-60	.02		24-155	1.20		25-155	.60		26-155	.30		27-25	1.00		28-155	.50		29-25	1.50		29M-25	2.25		30-155	1.20		25
26	22-60	.04		23-60	.25		23A-60	.02		24-160	1.20		25-160	.60		26-155	.30		27-26	1.00		28-155	.50		29-26	1.50		29M-26	2.20		30-65	1.20		26
27	22-60	.04		23-60	.25		23A-60	.02		24-160	1.20		25-160	.60		26-155	.30		27-27	1.00		28-155	.50		29-27	1.50		29M-27	2.20		30-180	1.20		27
49	22-60	.04		23-60	.25		23A-60	.02		24-49	1.50		25-49	.75		26-60	.30		27-49	1.00		28-49*	1.00		29-49	1.50		29M-49	3.00		30-49	2.20		49
60	22-60	.04		23-60	.25		23A-60	.02		24-66	1.20		25-66	.60		26-60	.30		27-60	.75		28-60	.60		.....	...		29M-60	2.00		30-60	1.20		60
65	22-60	.04		23-60	.25		23A-60	.02		24-66	1.20		25-66	.60		26-60	.30		27-60	.75		28-60	.60		.....	...		29M-65	2.40		30-65	1.20		65
66	22-60	.04		23-60	.25		23A-60	.02		24-66	1.20		25-66	.60		26-60	.30		27-66	.90		28-66	.75		.....	...		29M-66	2.50		30-66	2.20		66
67	22-60	.04		23-60	.25		23A-60	.02		24-66	1.20		25-66	.60		26-60	.30		27-66	.90		28-66	.75		.....	...		29M-67	2.50		30-200	2.20		67
68	22-60	.04		23-60	.25		23A-60	.02		24-66	1.20		25-66	.60		26-60	.30		27-66	.90		28-66	.75		.....	...		29M-68	2.50		30-68	2.20		68
78	22-60	.04		23-85	.15		.....	..		24-85	.80		25-85	.25		26-60	.30		27-78	.75		.....	..		29-78	1.20		.....	..		30-180	1.20		78
79	22-60	.04		23-85	.15		.....	..		24-85	.80		25-85	.25		26-60	.30		27-85	.75		.....	..		29-85	1.20		.....	..		30-85	.80		79
85	22-60	.04		23-85	.15		.....	..		24-85	.80		25-85	.25		26-60	.30		27-85	.75		.....	..		29-85	1.20		.....	..		30-85	.80		85
99	22-99	.20		23-60	.25		23A-60	.02		24-155	1.20		25-155	.60		26-155	.30		27-99	.75		28-99*	.60		29-99	1.20		29M-99	2.30		30-99	2.20		99
100	22-99	.20		23-60	.25		23A-60	.02		24-160	1.20		25-160	.60		26-155	.30		27-200	.75		28-155	.50		29-100	1.20		29M-100	2.20		30-49	2.20		100
109	22-109	.04		23-180	.25		.....	..		24-109	1.00		25-109	.50		26-109	.30		27-109	.75		28-109	.50		29-109	1.20		29M-109	2.20		30-109†	1.20		109
110	22-99	.20		23-60	.25		23A-60	.02		24-155	1.20		25-155	.60		26-155	.30		27-110	.75		28-110*	.60		.....	...		29M-110	2.00		30-49	2.20		110
111	22-99	.20		23-60	.25		23A-60	.02		24-155	1.20		25-155	.60		26-60	.30		27-111	.75		28-111*	.60		.....	...		29M-60	2.00		30-111	2.50		111
112	22-99	.20		23-60	.25		23A-60	.02		24-155	1.20		25-155	.60		26-60	.30		27-111	.75		28-111*	.60		.....	...		29M-112	2.50		30-112	2.50		112
113	22-99	.20		23-60	.25		23A-60	.02		24-66	1.20		25-66	.60		26-60	.30		27-113	1.00		28-113*	1.00		.....	...		29M-67	2.50□		30-113	2.50		113
114	23-60	.25		23-114	.45		23A-60	.02		24-114	2.20		25-114	1.30		26-114	.50		27-114	1.40		28-114*	1.25		.....	...		29M-114	4.50□		30-114	3.50		114
115	23-60	.25		23-114	.45		23A-60	.02		24-115	2.75		25-115	1.80		26-114	.50		27-115	2.40		28-115*	1.50		.....	...		29M-115	6.00□		30-115	3.50		115
116A	23-60	.25		23-116	.45		23A-60	.02		24-116	3.00		25-116	1.80		26-116	.60		27-116	2.80		28-116*	2.00		.....	...		29M-116A	10.00□		30-116A	4.50		116A
116	23-60	.25		23-116	.45		23A-60	.02		24-116	3.00		25-116	1.80		26-116	.60		27-116	2.80		28-116*	2.00		.....	...		29M-116	10.00□		30-116	4.50		116
117	23-60	.25		23-116	.45		23A-60	.02		24-117	4.00		25-117	2.50		26-117	3.00		27-117	3.60		28-117*	2.40		.....	...		29M-117	17.00		30-117	5.50		117
118	23-60	.25		23-116	.45		23A-60	.02		24-117	4.00		25-117	2.50		26-117	3.00		27-117	3.60		28-117*	2.40		.....	...		29M-118	20.00		30-118	5.50		118
130	22-60	.04		23-60	.25		23A-60	.02		24-49	1.50		25-49	.75		26-60	.30		27-130	1.00		28-130	1.00		.....	...		29M-130	2.60□		30-130	2.50		130
140	22-99△	.20		23-60	.25		23A-60	.02		24-155	1.20		25-155	.60		26-140	2.50		27-140	.75		28-140*	.50		29-140	1.50		29M-140	3.00		30-200	2.20		140
145	22-99△	.20		23-60	.25		23A-60	.02		24-155	1.20		25-155	.60		26-140	2.50		27-140	.75		28-140*	.50		29-145	1.50		29M-145	2.50		30-66	2.20		145
149	22-60	.04		23-60	.25		23A-60	.02		24-49	1.50		25-49	.75		26-60	.30		27-149	1.00		28-49	1.00		29-49	1.50		29M-49	3.00		30-149	1.20		149
150	22-99	.20		23-60	.25		23A-60	.02		24-155	1.20		25-155	.60		26-155	.30		27-200	.75		28-155	.50		29-150	1.20		29M-150	2.20		30-66	2.20		150
155	22-60	.04		23-60	.25		23A-60	.02		24-155	1.20		25-155	.60		26-155	.30		27-155	.75		28-155	.50		29-200	1.20		29M-200	2.25		30-155	1.20		155
160	22-60	.04		23-60	.25		23A-60	.02		24-160	1.20		25-160	.60		26-155	.30		27-155	.75		28-155	.50		29-150	1.20		29M-150	2.20		30-65	1.20		160
165	22-60	.04		23-60	.25		23A-60	.02		24-160	1.20		25-160	.60		26-155	.30		27-155	.75		28-155	.50		29-150	1.20		29M-150	2.20		30-65	1.20		165
180	22-60	.04		23-180	.25		.....	..		24-180	1.00		25-180	.25		26-155	.30		27-155	.75		28-155	.50		29-100	1.20		29M-100	2.20		30-180†	1.20		180
185	22-60	.04		23-180	.25		.....	..		24-180	1.00		25-180	.25		26-155	.30		27-155	.75		28-155	.50		29-100	1.20		29M-100	2.20		30-180†	1.20		185
190	22-60	.04		23-85	.15		.....	..		24-180	1.00		25-180	.25		26-155	.30		27-190	.75		.....	..		29-100	1.20		29M-100	2.20		30-180†	1.20		190
200	22-99	.20		23-60	.25		23A-60	.02		24-155	1.20		25-155	.60		26-155	.30		27-200	.75		28-155	.50	</										

PENN REEL PARTS No. 31 TO No. 41

ILLUSTRATION OF PARTS ON PAGE 19. WHEN PARTS ON PAGE ARE MARKED WITH SYMBOL (♣), SEE FOOTNOTE

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 Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	Part No.	Price Each	
9	31-109	.03	31-109	.03	.....	..	.....	..	35-155	.10	36-60	.10	37-109	.20	38-109	.03	38-109	.03	40-109	.40	41-109	.10	9
25	31-155	.03	32-155	.03	.....	..	.....	..	35-155	.10	36-155	.10	37-155	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	25
26	31-155	.03	32-155	.03	.....	..	.....	..	35-155	.10	36-155	.10	37-160	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	26
27	31-155	.03	32-155	.03	.....	..	.....	..	35-155	.10	36-155	.10	37-180	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	27
49	31-110	.03	31-110	.03	33-49	.30	34-49	.20	35-60	.10	36-60	.10	37-49	.20	38-110	.03	38-110	.03	40-60	.40	41-60	.10	49
60	31-60	.03	31-155	.03	.....	..	.....	..	35-60	.10	36-60	.10	37-60	.20	38-60	.03	31-60	.03	40-60	.40	41-60	.10	60
65	31-60	.03	31-155	.03	.....	..	.....	..	35-60	.10	36-60	.10	37-65	.20	38-60	.03	31-60	.03	40-60	.40	41-60	.10	65
66	31-60	.03	31-155	.03	33-200	.30	34-200	.20	35-60	.10	36-60	.10	37-65	.20	38-60	.03	31-60	.03	40-60	.40	41-60	.10	66
67	31-60	.03	31-155	.03	33-200	.30	34-200	.20	35-60	.10	36-60	.10	37-67	.20	38-60	.03	31-60	.03	40-60	.40	41-60	.10	67
68	31-60	.03	31-155	.03	33-200	.30	34-200	.20	35-60	.10	36-60	.10	37-68	.20	38-60	.03	31-60	.03	40-60	.40	41-60	.10	68
78	31-149	.03	31-285	.03	.....	..	.....	..	35-60	.10	36-60	.10	37-180	.20	31-60	.03	31-60	.03	40-60	.40	41-60	.10	78
79	31-285	.03	32-155	.03	.....	..	.....	..	35-60	.10	36-60	.10	37-60	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	79
85	31-285	.03	32-155	.03	.....	..	.....	..	35-60	.10	36-60	.10	37-60	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	85
99	31-200	.03	32-110	.03	33-200	.30	34-200	.20	35-60	.10	36-60	.10	37-65	.20	38-200	.03	31-110	.03	40-60	.40	41-60	.10	99
100	31-200	.03	31-285	.03	33-49	.30	34-49	.20	35-155	.10	36-60	.10	37-180	.20	38-200	.03	31-60	.03	40-60	.40	41-60	.10	100
109	31-109	.03	31-109	.03	.....	..	.....	..	35-155	.10	36-109	.10	37-109	.20	38-109	.03	38-109	.03	40-109	.40	41-109	.10	109
110	31-110	.03	32-110	.03	33-49	.30	34-49	.20	35-60	.10	36-60	.10	37-180	.20	38-110	.03	31-110	.03	40-60	.40	41-60	.10	110
111	31-110♣	.03	32-110♣	.03	33-200	.30	34-49	.20	35-60	.10	36-60	.10	37-60	.20	38-110♣	.03	31-110♣	.03	40-60	.40	41-60	.10	111
112	31-110♣	.03	32-110♣	.03	33-200	.30	34-200	.20	35-60	.10	36-60	.10	37-67	.20	38-110♣	.03	31-110♣	.03	40-60	.40	41-60	.10	112
113	31-110	.03	32-110	.03	33-200	.30	34-200	.20	35-60	.10	36-60	.10	37-67	.20	38-110	.03	31-110	.03	40-60	.40	41-60	.10	113
114	31-114	.06	32-114	.06	33-114	.40	34-200	.20	35-114	.16	36-114	.16	37-114	.30	38-114	.06	31-115	.06	40-114	.60	41-114	.16	114
115	31-115	.06	32-115	.06	33-114	.40	34-200	.20	35-115	.16	36-115	.16	37-115	.40	38-114	.06	31-115	.06	40-114	.60	41-114	.16	115
116A	31-115	.06	32-115	.06	33-116	.50	34-116	.40	35-115	.16	36-115	.16	37-116A	.40	38-114	.06	38-115	.06	40-116	.60	41-114	.16	116A
116	31-115	.06	32-115	.06	33-116	.50	34-116	.40	35-115	.16	36-115	.16	37-116	.50	38-114	.06	38-115	.06	40-116	.60	41-114	.16	116
117	31-115	.06	31-115	.06	33-117	.60	34-116	.40	35-115	.16	36-117	.16	37-116	.50	38-114	.06	38-114	.06	26-117	3.00	.....	..	117
118	31-115	.06	31-115	.06	33-117	.60	34-116	.40	35-115	.16	36-117	.16	37-118	.60	38-114	.06	38-114	.06	26-117	3.00	.....	..	118
130	31-155	.03	32-285	.03	33-200	.30	34-49	.20	35-60	.10	36-60	.10	37-60	.20	31-60	.03	31-60	.03	40-60	.40	41-60	.10	130
140	31-200	.03	31-110	.03	33-200	.30	34-200	.20	35-155	.10	36-155	.10	37-155	.20	38-200	.03	38-110	.03	40-140	3.00	.....	..	140
145	31-200	.03	31-110	.03	33-200	.30	34-200	.20	35-155	.10	36-155	.10	37-160	.20	38-200	.03	38-110	.03	40-140	3.00	.....	..	145
149	31-149	.03	31-149	.03	.....	..	.....	..	35-60	.10	36-60	.10	37-49	.20	38-60	.03	38-60	.03	40-60	.40	41-60	.10	149
150	31-200	.03	31-285	.03	33-200	.30	34-200	.20	35-155	.10	36-60	.10	37-160	.20	38-200	.03	31-60	.03	40-60	.40	41-60	.10	150
155	31-155	.03	32-155	.03	.....	..	.....	..	35-155	.10	36-155	.10	37-155	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	155
160	31-155	.03	32-155	.03	.....	..	.....	..	35-155	.10	36-155	.10	37-160	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	160
165	31-155	.03	32-155	.03	.....	..	.....	..	35-155	.10	36-155	.10	37-160	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	165
180	31-285	.03	32-155	.03	.....	..	.....	..	35-155	.10	36-155	.10	37-180	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	180
185	31-285	.03	32-155	.03	.....	..	.....	..	35-155	.10	36-155	.10	37-180	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	185
190	31-285	.03	32-155	.03	.....	..	.....	..	35-155	.10	36-155	.10	37-180	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	190
200	31-200	.03	31-285	.03	33-200	.30	34-200	.20	35-155	.10	36-60	.10	37-155	.20	38-200	.03	31-60	.03	40-60	.40	41-60	.10	200
209	31-285	.03	31-155	.03	33-200	.30	34-200	.20	35-155	.10	36-209	.10	37-209	.20	31-60	.03	31-60	.03	40-60	.40	41-60	.10	209
249	31-149	.03	31-149	.03	.....	..	.....	..	35-60	.10	36-60	.10	37-49	.20	38-60	.03	38-60	.03	40-60	.40	41-60	.10	249
250	31-200	.03	31-285	.03	33-200	.30	34-200	.20	35-60	.10	36-60	.10	37-155	.20	38-200	.03	31-60	.03	40-60	.40	41-60	.10	250
259	31-110	.03	32-110	.03	33-200	.30	34-200	.20	35-60	.10	36-60	.10	37-155	.20	38-110	.03	31-110	.03	40-60	.40	41-60	.10	259
285	31-285	.03	32-155	.03	.....	..	.....	..	35-60	.10	36-60	.10	37-60	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	285
350	31-285	.03	32-155	.03	33-200	.30	34-200	.20	35-155	.10	36-155	.10	37-155	.20	31-60	.03	31-155	.03	40-60	.40	41-60	.10	350

♣ NOTE: On Reel Nos. 111-2/0 and 112-3/0 for "covered right and left side screws," use letter (C) after part number.

Left Hand Reels require left hand parts. When ordering parts for these reels, mark letters (LH) after part number.

PENN REEL PARTS No. 42 TO No. 79

ILLUSTRATION OF PARTS ON PAGE 19.

Reel No.	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	
	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
9	42-109	.40	43-9	.30	43-109	.30	.....	..	45-9	.30	46-9	.50	46C-9	1.10	47-109	.10	48-109	.10	50-109	.30	37S-109	.30
109	42-109	.40	43-109	.30	44-109	.30	44A-109	.10	45-109	.30	46-109	.50	46C-109	1.10	47-109	.10	48-109	.10	50-109	.30	37S-109	.30
209	42-209	.50	44-109	.30	43-109	.30	44A-109	.10	45-209	.30	46-209	.50	46C-209	1.20	47-109	.10	48-109	.10	50-209	.40	37S-209	.40

Reel No.	No. 61 Complete Frame		No. 62 Click Spring		No. 63 Click Spring Screw with Lock Washer		No. 64 Fibre Idler Gear		No. 65 Idler Gear Screw		No. 66 Level-wind Drive Gear (Spool)		No. 67 Level-wind Drive Gear Lock Spring		TA200 Take Apart Thumb Screw	Reel	Harness Lug		Brace Lug		Rod Brace	
	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price			Part No.	Price	Part No.	Price	Part No.	Price
9	.....	..	62-209	.20	63-209	.05	64-9	.40	65-209	.10	66-9	.30	67-9	.02	.25 each	113	54-113	.30	.....	..	.....	..
209	61-209	2.50	62-209	.20	63-209	.05	64-209	.40	65-209	.10	66-209	.30	67-209	.02		114	54-114	.30	.....	..	.....	..
																115	54-114	.30	54-114	.30	56-115	2.50
																116A	54-116	.30	54-114	.30	56-116	2.50
																116	54-116	.30	54-114	.30	56-116	2.50
																117	54-117	.50	54-117	.50	56-117	2.50
																118	54-117	.50	54-117	.50	56-117	2.50
																130	54-113	.30	.....	..	.....	..

Reel No.	No. 70 Spiral Bar		No. 71 RS Spiral Bearing		No. 72 LS Spiral Bearing		No. 73 Spiral Gear		No. 74 Cam Gear		No. 75 Cam Gear Screw		No. 76 Spiral Drive Dog		No. 77 Spiral Drive Dog Spring		No. 78 Spiral Gear Dog		No. 79 Spiral Gear Dog Spring	
	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price	Part No.	Each Price
350	70-350	2.75	71-350	.30	72-350	.50	73-350	.50	74-350	.60	75-350	.10	76-350	.30	14-109	.03	78-350	.10	14-99	.03

HOW TO FIND PART NUMBER AND PRICE

Practically all Penn Reel parts are stamped with a part number. If the part you need does not have a part number stamped thereon, we suggest that you look for a similar part in the picture on page 19. This will give you the part illustration number. All parts are listed in this catalog with an illustration number at the top of pages 20 to 24. In these columns you will find the part number and price in line with the reel number (first and last columns). The first number before the dash is the part illustration number (page 19), the number after the dash is the reel number. If the same part number is listed under different reel numbers, this part is interchangeable. For example: On page 23, part 40-60 is shown to fit practically all Penn reels. Most Penn Reel dealers carry parts in stock.

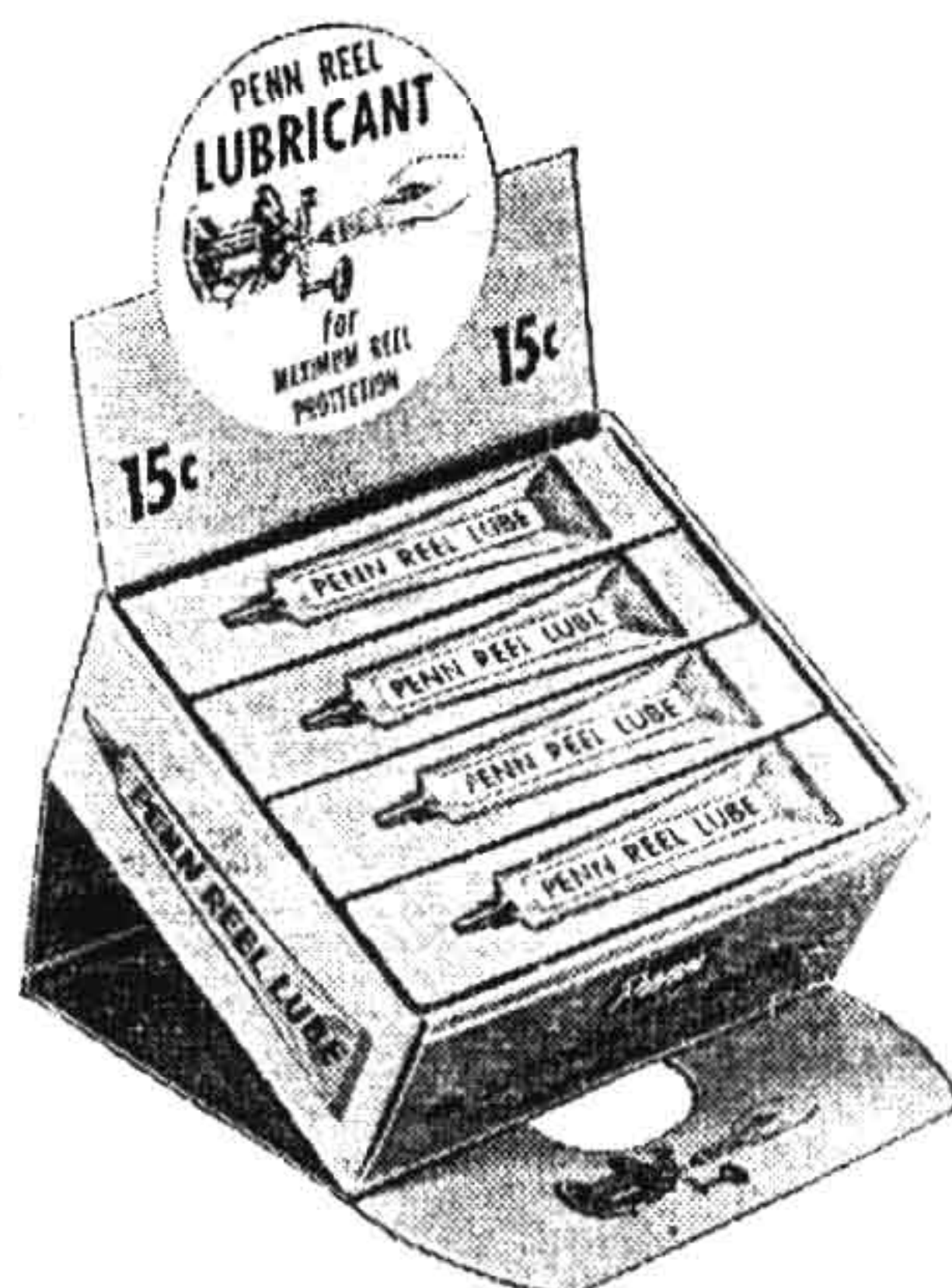
PENN REEL LUBE

No. 24—Small size Price, 15¢ each

No. 224—Large size Price, 25¢ each

Packed one dozen in display carton

These handy tubes contain 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.



REPAIR PARTS

Greatest care is given to standardization of all parts, wherever possible, regardless of type or size of the Penn Reel—a feature which has never been accomplished in the reel industry. This factor is of utmost importance in servicing Penn Reels, as it reduces to a minimum the number of parts required, and enables us to continue to supply parts for our discontinued models. Many Penn Reel dealers carry parts in stock. If they are unable to furnish the parts you require, order them directly from us.

NOTE WHEN ORDERING PARTS

1. Order by part number only (not just the illustration number). Enclose check, money order or stamps, to cover cost of parts and parcel post charges. When the remittance is not enclosed, or when insufficient funds are sent, order will be sent C.O.D.
2. PRINT your name and address PLAINLY to avoid delay and lost mail.
3. MINIMUM CHARGE for part order is 30¢.

FISHING REEL REPAIR

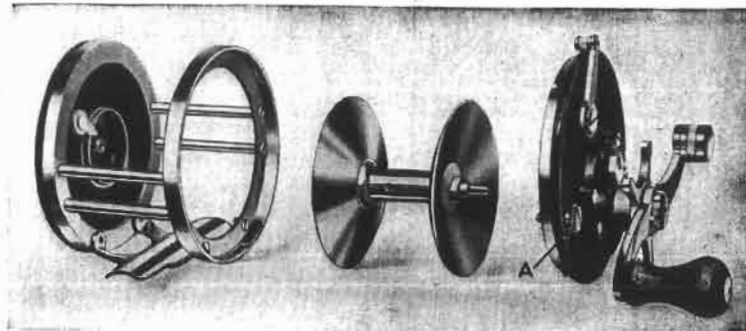
A fishing reel is a fine piece of machinery that requires expert service. Many Penn Reel Dealers maintain repair departments, but if local service is not available, send your reel to us, parcel post insured. We maintain a repair department, staffed by skilled personnel. When sending your Penn reels to be repaired, please attach a letter to your package, stating what repairs are necessary. PRINT your name and address PLAINLY, in order to avoid loss.

NOTE: The best time to send your reel for overhauling is during the fall and winter months.

CONSTRUCTION OF PENN FISHING REELS

TAKE-APART CONSTRUCTION

The term "Take-Apart" refers to the feature of quick and easy take-down of the reel for cleaning or spool change. To effect this, unscrew the knurled take-apart screw (part TA 200) three turns to the left and then pull it outward (away from plate), at the same time rotate the right side plate about $\frac{1}{4}$ inch to the left (anti-clockwise) and pull it away from the reel frame, taking care not to drop the freed spool. To re-assemble, reverse the entire operation, making sure to screw the take-apart screw into the reel frame, as otherwise the right side plate might be lost.



OTHER CONSTRUCTION FEATURES

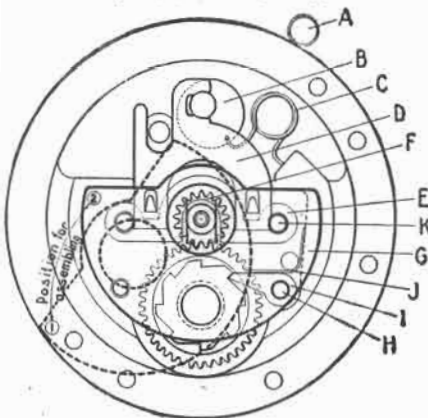
Penn Reels are called on to fulfill the needs of many different kinds of fishing, done by anglers the world over. In keeping with our creed, "To make reels as nearly perfect as is possible, at a low price," we have built into our reels the following features: Take-Apart, Free Spool Clutch, Star Drag, Handle-Screw Locking Device, Non-Strip Gears, and One-Shot Lubrication.

OPERATION OF FREE-SPOOL CLUTCH

The Free-Spool Clutch is employed to either engage, or disengage gears. The free-spool snap lever is conveniently located on right plate rim and enables the angler to throw the reel into free spool, or engagement, at will. Setting the clutch in operation can always be done without danger of stripping gears, as these are always in mesh.

Operation:

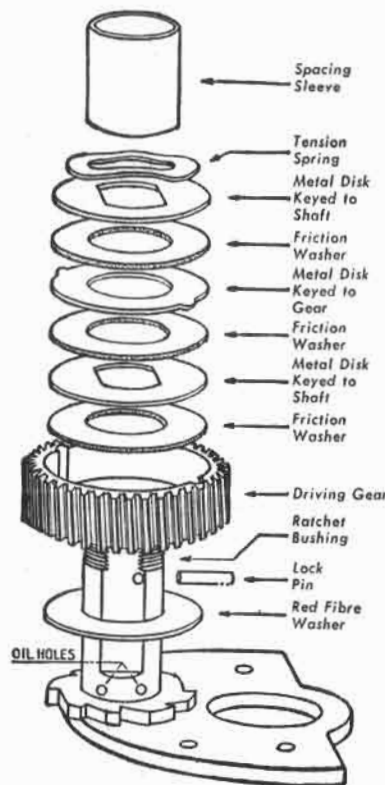
1. Free spool lever (A) operates jack (D) through eccentric (B)
2. Eccentric jack (D) actuates yoke (E)



3. Yoke (E) engages or disengages pinion gear with spool

ASSEMBLING CLUTCH

1. After assembling star-drag mechanism (see top of next column) place gear bridge (G) in position (1).
2. Replace pawl (I) and pawl spring (J). To do this, grip end plate with your left hand, and with left thumb press gear bridge (G) against plate, having gear bridge turned toward the left (position 1) far enough to allow the pawl and spring to be placed into position. After inserting the pawl and spring, rotate (without releasing thumb pressure) the gear bridge to the right (position 2) so that the two gear bridge screws (H Long Threaded) may be screwed into gear bridge, followed by two 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.)

OPERATION OF STAR-DRAG

The Star-Drag is a braking mechanism, which puts varying degrees of tension, depending on the setting of the Star, on the fisherman's line. Care should be exercised not to put more drag on the reel than the line or rod can stand. The purpose of the drag is to have sufficient tension on the line to tire out a fish and slowly wear him down, rather than to stop his run entirely. Having too much drag on the line takes the fun out of fishing and endangers tackle. In order to check the amount of drag you have on your reel, put it in gear and test by pulling line off the spool. Adjustment of the drag is effected by turning the star-wheel, under the handle, to the right (clockwise) to tighten, and to the left (anti-clockwise) to loosen. The full force of the braking action is against the fish only, as the handle is prevented from turning backward by the ratchet dog (pawl) making contact with the gearsleeve ratchet. The physical braking action takes place in the disk-clutch-like arrangement of metal washers, one half of which are keyed to splines cut on the inside cup of the main gear, lips on the washers fitting into these splines. The other half of metal washers are rotating with the gearsleeve by virtue of the rectangular hole in their middle. Friction washers are interposed between the two opposed types of metal washers, in order to provide a medium for smooth braking. To maintain smoothness of operation, it is necessary that the friction washers not be allowed to become oil-soaked, charred, or glazed; the metal washers must have surfaces that are smooth and clean, as otherwise, uneven, jerky drag action results.

CONVERTIBLE STAR-DRAG

No. 140, 145 and No. 49 Reels

The convertible drag lever allows letting out and retrieving line while the reel is still in gear, also full handle control for hooking fish. But the foremost reason for its existence is the control a fisherman has when playing a lunker directly through the handle. Every tug, every flip of the tail of the fish is transmitted to the thumb and index finger of the angler, and it's really give and take at both ends until the contest is decided. Should it thereafter be desired to use the reel as an ordinary star-drag the change can be effected by simply flipping the convertible drag lever downward. For the angler who likes to have his reel in gear at all times and enjoys fighting his fish all the way directly through the reel handle, the convertible drag feature is highly recommended.

DIRECTIONS FOR ASSEMBLING STAR-DRAG

The drag mechanism must be assembled in the order shown in diagram above, alternating the metal disks keyed to shaft and those anchored to the splines of the main gear. The friction washers, acting as brake material, are placed between the metal disks. The drag will not work satisfactorily if the clutch washers are placed in improper sequence, or if the friction washers are oiled. The latter work best when dry.

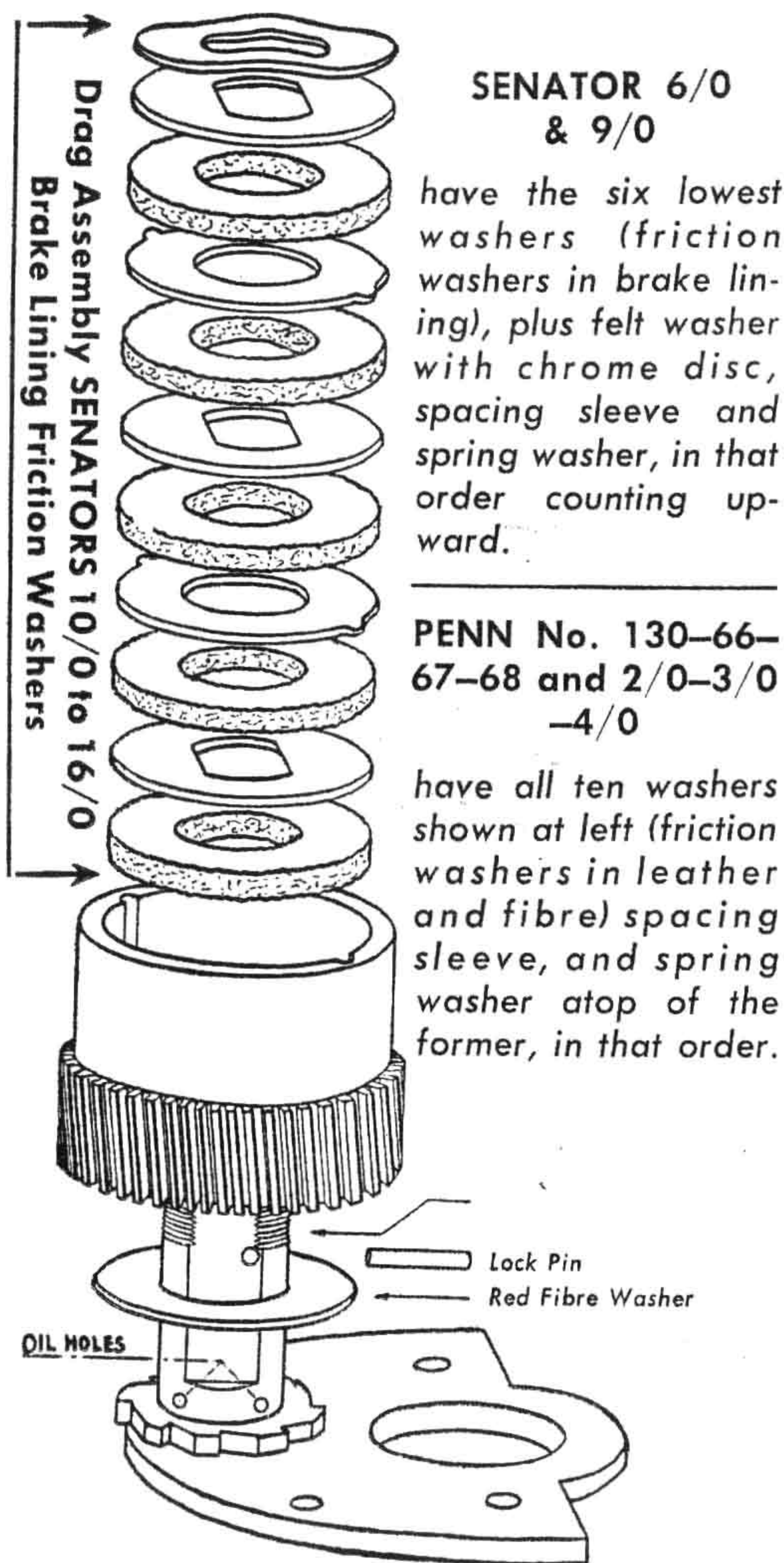
CONSTRUCTION OF PENN FISHING REELS

SENATOR STAR-DRAG DIAGRAM

SENATOR STAR-DRAG CLUTCH

HOW TO ASSEMBLE SENATOR STAR DRAG

Washers are numbered in the sequence in which they are placed onto the gear sleeve, #1 being nearest the main gear.



SENATOR 6/0 & 9/0

have the six lowest washers (friction washers in brake lining), plus felt washer with chrome disc, spacing sleeve and spring washer, in that order counting upward.

PENN No. 130-66-67-68 and 2/0-3/0-4/0

have all ten washers shown at left (friction washers in leather and fibre) spacing sleeve, and spring washer atop of the former, in that order.

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

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

Caution: When putting reels away during the "off season" period, always back off the drag star completely, releasing all tension on the friction washers. With the spool in mesh, pull on the line (as if you were testing line tension) to make sure that the drag assembly is really free. Putting a reel away in damp atmospheres with the drag star pulled up tightly, will often result in all the friction washers sticking to the metal discs. An ounce of precaution is better than a pound of cure.

DIRECTIONS FOR ASSEMBLING CLUTCH

Our drag mechanism must be assembled in the order shown on the above diagram, alternating the metal discs keyed to the shaft with those anchored by means of lips on discs and corresponding splines cut on the inside of main gear wall, with the friction washers interposed between opposing metal discs, to act as braking media. A hard red fibre washer is interposed between the gear sleeve and recessed lower face of main gear. For satisfactory performance, friction washers must be dry.

No.	1/0	2/0 3/0 4/0	6/0 9/0	10/0 to 16/0
12		Spring		
11		Spacer		Spring
10		Met. Slot.	Spring	Met. Slot.
9		Fibre	Spacer	Br. Lng.
8	Spacer	Met. Lip.	Chrome Disc.	Met. Lip.
7	Spring	Fibre	Felt	Br. Lng.
6	Met. Slot.	Met. Slot.	Met. Slot.	Met. Slot.
5	Leather	Leather	Br. Lng.	Br. Lng.
4	Met. Lip.	Met. Lip.	Met. Lip.	Met. Lip.
3	Leather	Fibre	Br. Lng.	Br. Lng.
2	Met. Slot.	Met. Slot.	Met. Slot.	Met. Slot.
1	Leather	Leather	Br. Lng.	Br. Lng.

Met. Slot.—Metal Slotted Washers

Br. Lng.—Brake Lining Washers

Met. Lip.—Metal Lipped Washers

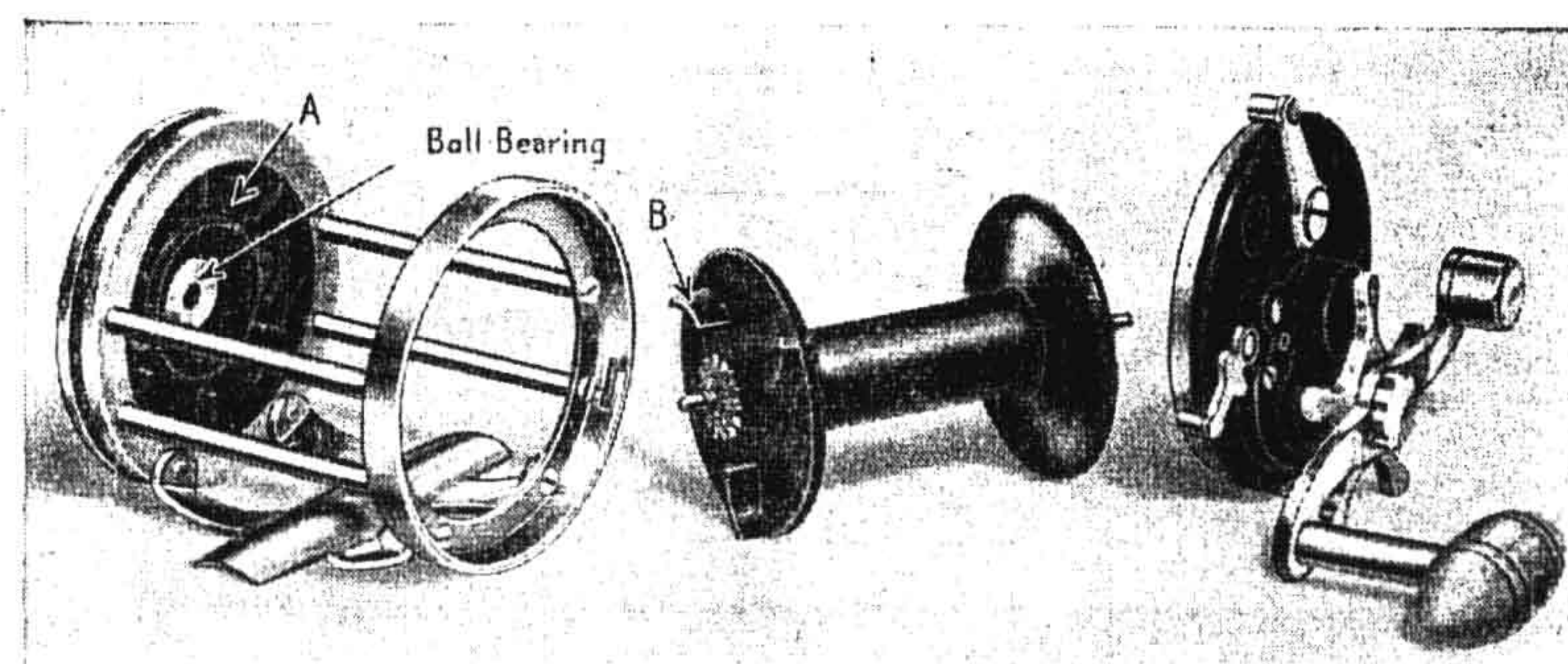
Spacer—Spacing Sleeve

Reels # 130-66-67-68 have same drag assembly SEQUENCE as 2/0-3/0-4/0 Senators.

PENN "SYNCHRONIZED" AIR BRAKE

In the patented Penn "Air Brake" spool, air turbulence and resistance are automatically utilized to prevent overrunning of the spool, reducing the possibility of backlash by synchronizing the spool speed with that of the sinker or lure. Air braking action is greatest during the phase of the cast when it is needed most, namely, when spool rotation is at its peak.

Fins (B) or fan blades are molded into the spool bell. Opposite these, on the inside of the left side plate, are molded air chambers (A). When casting, air pressure is set up by the spool fins in the air chambers and acts as an inhibitor sufficiently to prevent overrunning and backlash. As the generated air pressure is in direct proportion to the rotative speed of the spool, the inhibiting effect diminishes as spool speed is reduced; thereby allowing free run of the line and maximum distance of the cast.

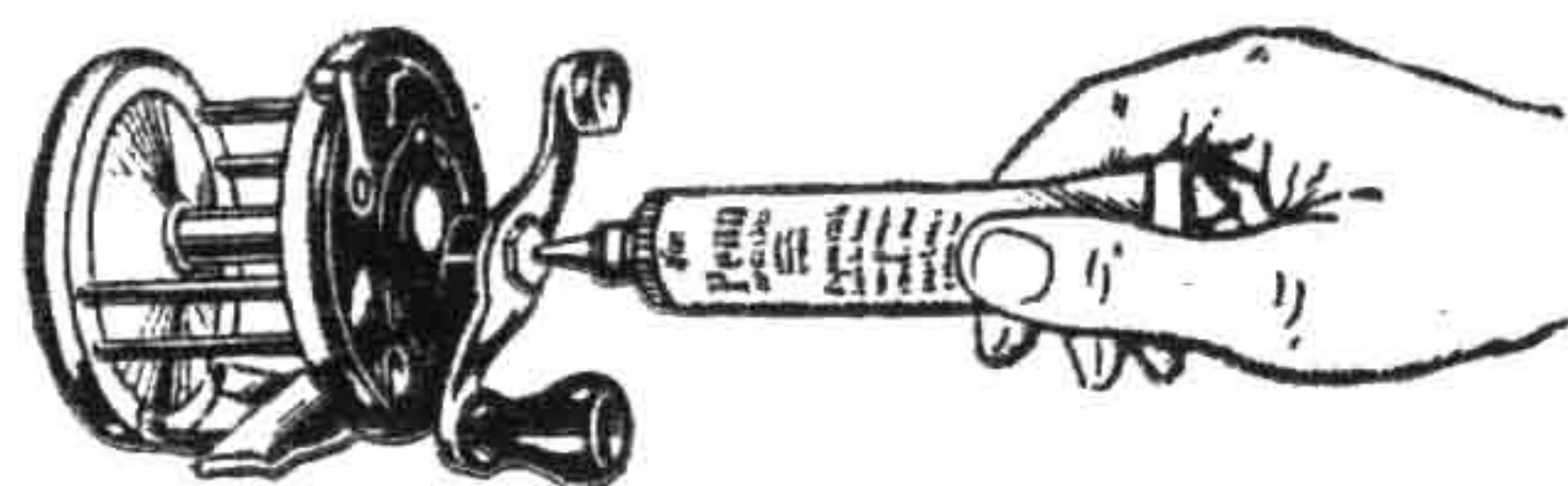


CASTING WITH "SYNCHRONIZED" SPOOL

To cast, put reel in free spool, hold thumb on tightly wound line on spool, cast, and release spool. As the sinker is off to a quick start, hold your thumb lightly against the spool so as to stop it as soon as sinker hits the water. The lightweight spool will get off to a flying start and is very sensitive to thumbing. However, it is important to wind the line tightly and evenly on the spool, as a loose line will dig in and cause backlashes. It is good practice to wind the last few turns crisscross on the spool width. That prevents cutting in at the start of the cast, as well as backlash. New line lacks pliability and is sticky; it must be broken in for a few days before it casts well.

EVERY PENN REEL PART IS MADE IN OUR OWN FACTORY

Care of your reel



LUBRICATING PENN REELS

Our reels are equipped with dust and waterproof lubricating nipples, thru which lubricant is forced under pressure to the vital points. In addition, oil reservoirs are built into our reels. A tube of Penn Lube is furnished with each reel.

Oil spool bearings, handle nut, free spool lever, handle knob and base of sleeve, click button, driving gears through nipple (marked Grease) on front plate. Keep your reel well oiled to prevent the inroads of salt water—and remember—one drop of oil in the right place is worth more than two alongside.

CLEANING THE REEL

Should sand get into your reel, or should you wish to clean the reel, take it apart, and wash the parts with a mixture of $\frac{2}{3}$ kerosene and $\frac{1}{3}$ light lubricating oil; or one of the commercial solvents on the market for cleaning purposes. Our "Take-Apart" reels can easily be taken apart (see instructions on page 25). On all other models remove the plate screws, and the reel will come apart. For reassembling, see instructions on pages 25 and 26.

WHEN REEL NEEDS SERVICE

Your fishing reel is a fine, watch-like mechanism, and with reasonable care should last a lifetime. We advise against taking it apart, except for cleaning and service by a competent and thoroughly experienced repair man. Unless you have unusual mechanical aptitude we advise against doing the work yourself. However, any one whose work is of a mechanical nature, or whose hobby is tinkering with mechanical things, can service his own reel. Should you wish to have your reel reconditioned take it to an authorized Penn dealer, or send it to us, parcel post insured, prepaid. Attach a letter to the outside of package stating nature of repairs needed. We will replace parts and put reel in perfect working order, at a very nominal cost. For the man wishing to do his own repair work, the instructions on pages 19 to 26 should be very helpful.

REPAIR PARTS

Standardization of parts, wherever possible, plus mass production methods, make it possible to produce the Penn Reel at a low cost. Most parts are of standard size and interchangeable, regardless of the type or size of reel. This factor is important in the economy of production as well as in the service of Penn Reels. For illustration of Penn Reel Parts, and list of parts with prices please see pages 19-24.

CARE OF YOUR LINE

The improvement during the last thirty years, in lines used for sport fishing, is remarkable. Not only has the old reliable linen line been improved, mostly in the regularity, uniformity and evenness of its construction, but a variety of lines of synthetic composition have been developed and have found ready acceptance by the fishing fraternity, for their particular properties.

Good quality fishing line (grades vary) lasts a long time if given proper treatment and care. By using knots, which, by virtue of their construction are non-chafing, and which, because of these attributes have come down to our era through the ages, you will greatly prolong line life, and reduce the incidence of line failure. It will repay the angler to spend a few minutes to learn which particular knot serves best for a particular need, and then to learn how to make that knot in the most efficient manner! Besides physical wear, chemical effect from verdigris, rust, strong sun rays, fungi, mildew, uric acids (and others) are enemies of lines. If your line is used intermittently only, wash it in fresh water, and allow it to dry (in shade) before putting it back on reel. Reverse your line end for end, in mid-season; over winter or in "off season," store it in a cool, dry place, wrapped securely in paper. Caution: Never take a chance on doubtful line—it doesn't pay!

Selecting your tackle

SELECTING YOUR TACKLE

Because fishing tackle required in the many local fishing areas of our country, varies so greatly, depending on the particular local and seasonal need, recommendations to the angler as to the kind he should procure, must of necessity be of a general nature. For specific advice meeting local needs, we recommend you to the local fishing tackle dealer who knows local conditions best, and will gladly assist you in getting the kind of tackle needed. In order to enjoy fully the pleasures of sport fishing the angler's tackle should blend into a well balanced, harmonious outfit, ownership of which will fill him with pride, and use thereof with a feeling of possessing the finest tools for the sport.

SELECTING YOUR LINE

In considering the line an angler should buy, several factors should be taken into account. First, the kind of fishing one intends to do governs in a large measure line size, both thickness and length. For bay fishing, 100 to 150 yards of either 6 or 9 thread line is sufficient. Surf jetty, and pier fishing requires 200 to 300 yards of 9 to 12 thread line. For offshore bottom fishing, 100 to 150 yards of 12 to 15 thread are most commonly used; length selection depends largely on depth of water and tide currents. Offshore trolling lines run from 200 yards of 9 or 12 thread to 400 to 500 yards of 24 thread line, with line of from 36 to 54 thread being sometimes used for tuna, large marlin and swordfish. See our tackle chart on page 17.

THE REEL TO REEL 'EM IN

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

RODS—OR POLES?

The rod industry has undergone a revolution during the last six years. Gone are the POLES of yesteryear, and beautiful, flexible creations of Fiberglas cloth, held together by phenolic resins as a bonding agent, cured with heat and pressure, have replaced them. Not that we have forsaken the double-built split bamboo, made by master craftsmen of a past era, entirely. Light tackle, surf, boat, and game fishing rods are made in different lengths and weights, and in colors to please the most fastidious, making it possible for the angler to purchase one to suit his particular bodily proportions. Selecting a rod with the right amount of pliancy, yet having the necessary backbone to both hook and fight a fish, should be a criterion of rod choice. Making sure that tip-top, guides, ferrule and reel seat are of good design and material, should be carefully observed. Your tackle reflects your fishing personality.

END TACKLE—WHAT TO BUY

The offerings in end tackle consist of such a multitude of items, that selecting it becomes bewildering. There is a variety in hooks, leaders, sinkers, swivels, baits, squids, jigs, feathers, plugs—too many to detail. We recommend your local angler and tackle dealer for information on the current "hot" items; they will be glad to help you with their knowledge and experience. Observe what the successful expert uses, and don't hesitate to experiment for yourself.

Helpful tips for the Fisherman

TO FIND LINE CAPACITY OF A REEL









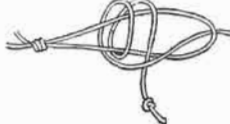
If the line capacity of a reel in a certain size line is known, the line capacity of that reel in a different size line can easily be found. (Assuming that the lines are of the same grade.) To find capacity in new size, multiply the known line capacity in yards by the known number of threads, then divide the product by the number of threads of the line in question. The answer is the reel's capacity of the new line in yards.

Example:

1. You know reel holds 300 yards of number 9 line.
2. You want to find reel's capacity of number 12 line.
3. Multiply 300 by 9 equals 2700, divide by 12 equals 225 yards.

USEFUL KNOTS AND HITCHES

In fishing one never knows when a record fish will bite. When it does, one should have line that will hold and land him—that leads us to the subject of "Knots." The test a fisherman should apply to a knot is, "Does it cut the line, and, is line strength reduced by it?" The answer should, of course, be "NO."

SINGLE TIE KNOT  Use with 4 to 6 hitches for cut line repair.	TWIST KNOT  Excellent for tying leaders.	SQUARE KNOT  Back up with 2 to 3 half hitches.
LEADER KNOT  Recommended only for moderate size fish.	CLINCH KNOT  For tying lure or squid.	COMPOUND KNOT  Excellent for end loop.
SINGLE BECKET BEN  For tying hook into loop.	FISHERMAN'S BEND OR ANCHOR HITCH  Non-chafing hitch Line to swivel	DOUBLE BECKET BEND  Safe hitch, line to loop.

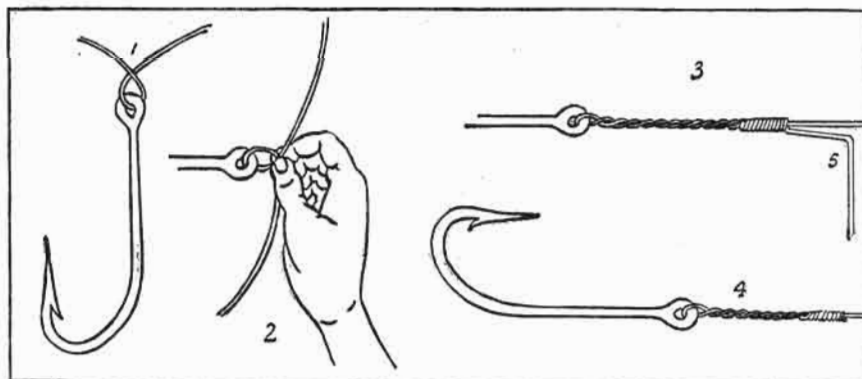
LEFT HANDED FISHERMEN

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

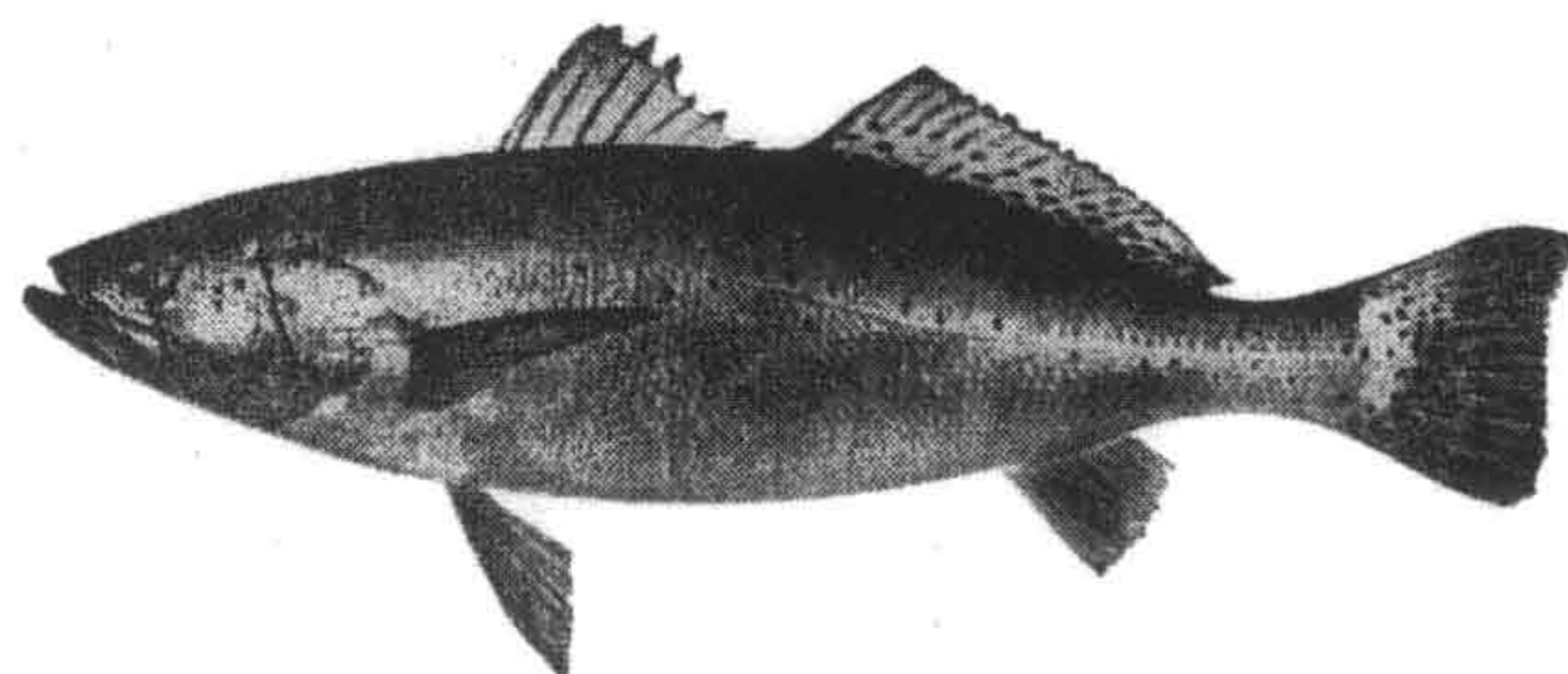
HOW TO TIE LEADER WIRE TO HOOK OR LURE

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

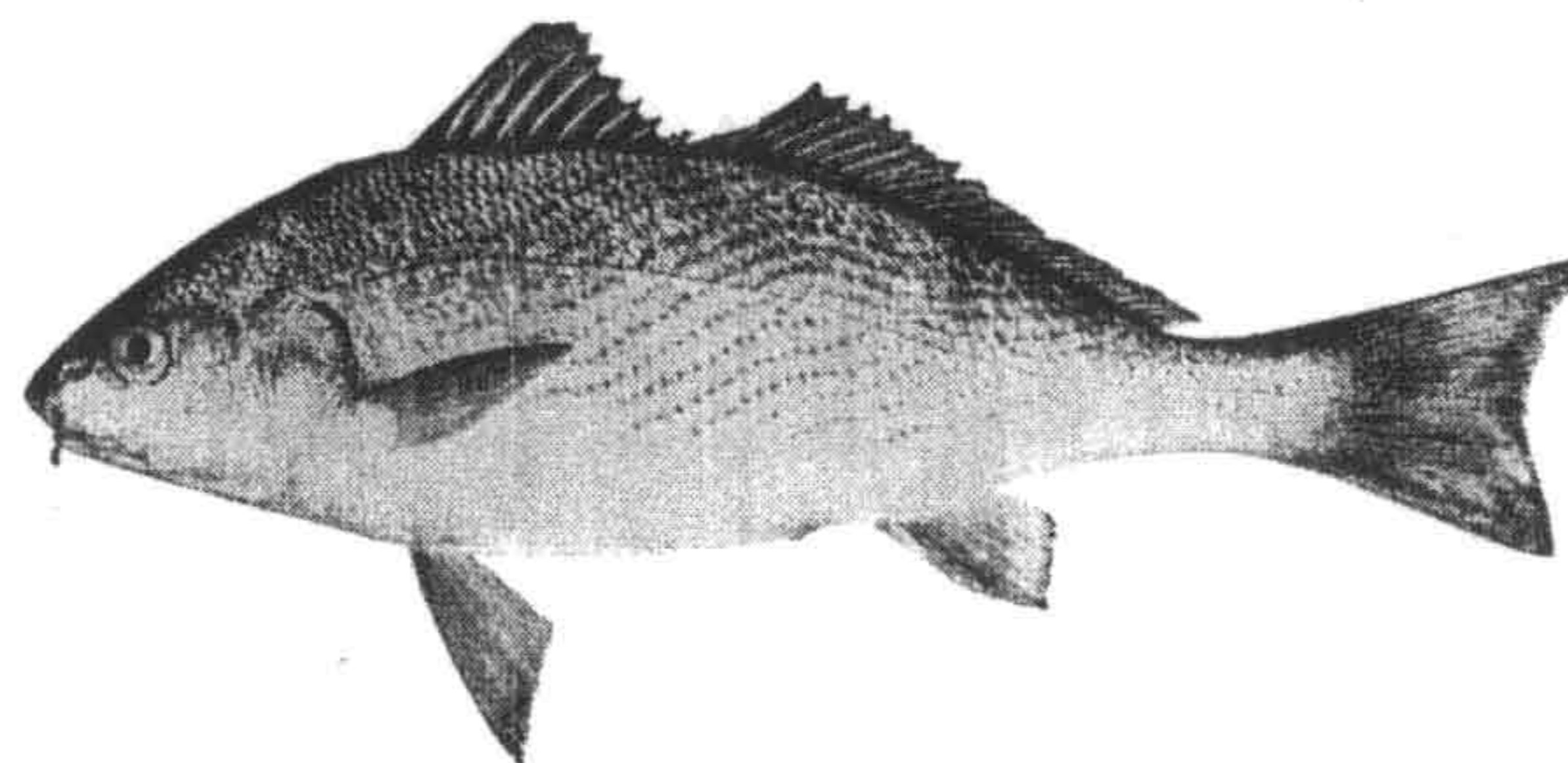
1. Leader length should be from 6' to 15'. Push 3" to 4" of the working end of the wire through the eye of the hook, swivel, or whatever lure is to be tied. Hold the hook between thumb and index finger of left hand.
 2. With right thumb and index finger, sharply bend the wire across the hook eye, so that wire end and standing part of wire point in opposite directions, and touch at point of crossing.
 3. With the wire thus crossed, hook held in left hand, firmly grip, with right thumb and index finger, the wire at point of juncture, and begin twisting the wire to the right, tightly, until 10 to 12, hard, even, twists have been turned into wire. Both wires must be twisted equally, and the twist must be short and hard, in order to hold.
 4. Make 10 to 12 round turns with short end of wire around the standing part (long wire), being careful to lay each turn tightly against the preceding one.
 5. Bend the remainder of short end, in its middle, at an angle of 90°, grip the bent end firmly with the right thumb, close to the 90° bend. Lift the remainder of the short end of the wire in a 180° arc toward the standing part of the wire, thereby breaking off the end of the wire close to the last round turn, leaving no sharp end.
- Don't become discouraged if your first few attempts do not prove successful. Keep trying, and watch a good charter boat skipper.



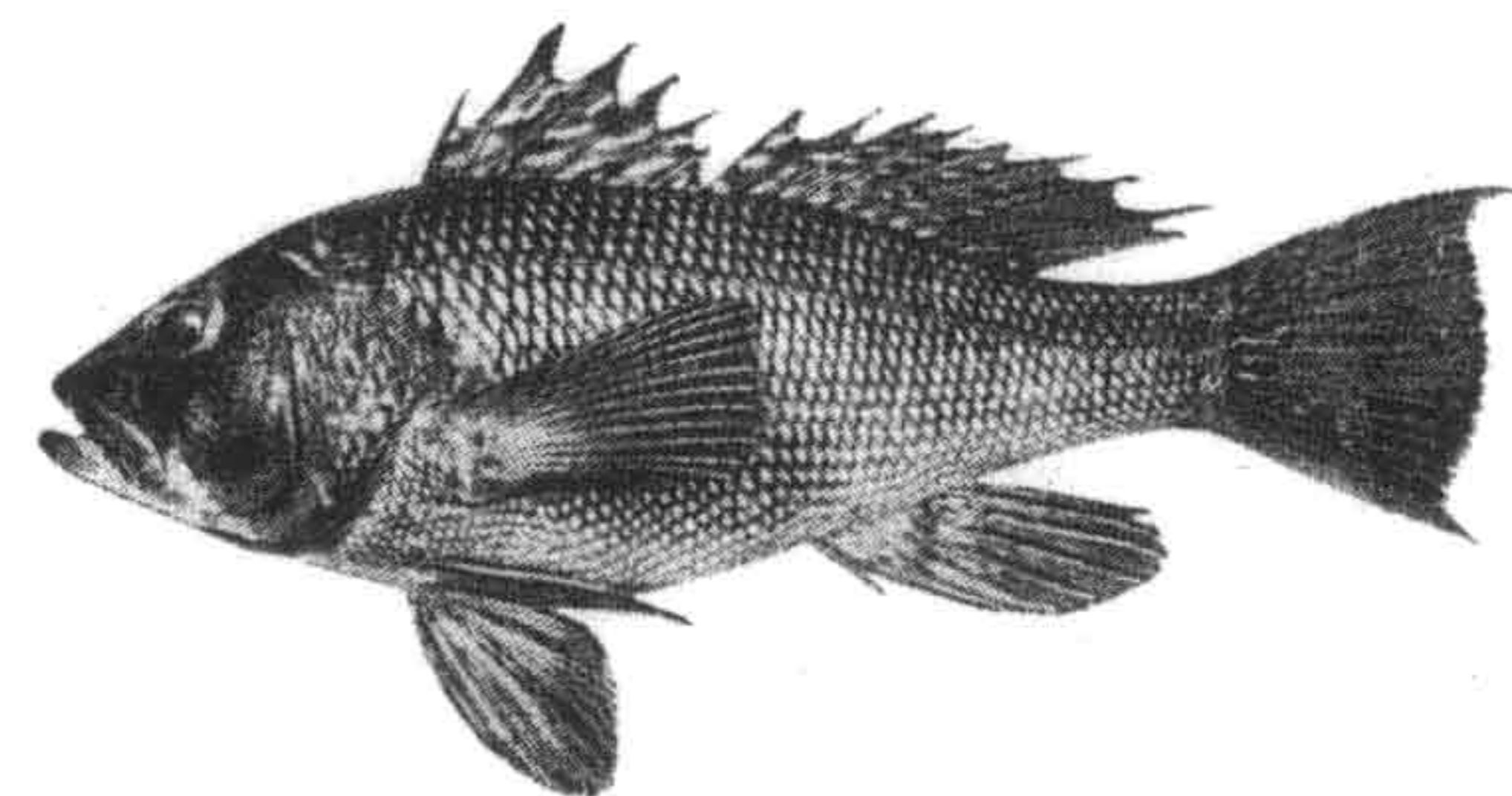
New York Salt Water Fish



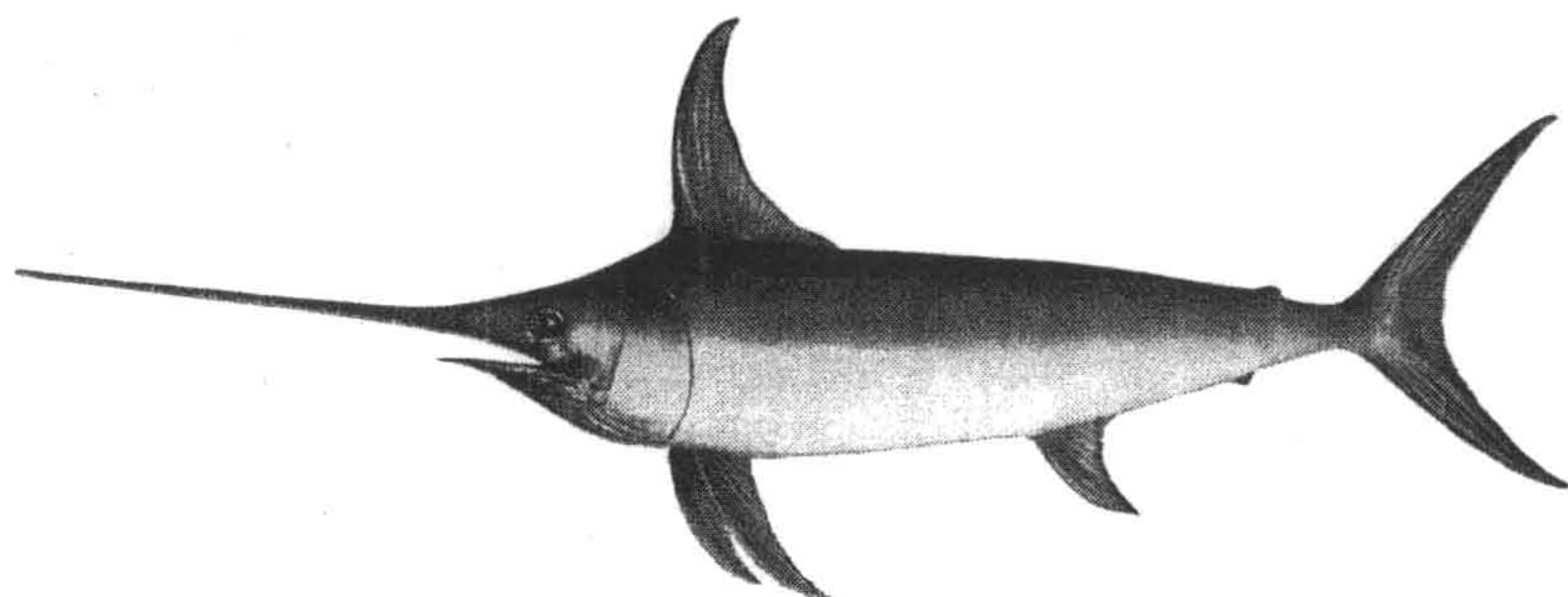
WEAKFISH (Sea Trout)
Record Weight 17 lbs. 8 oz.



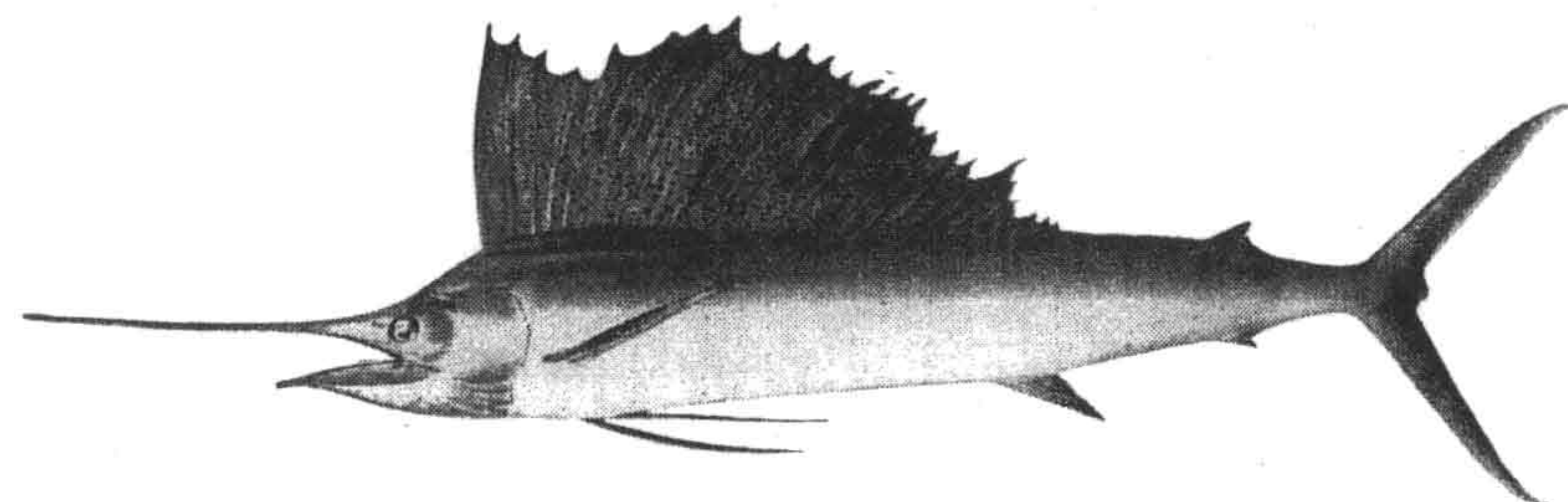
CROAKER (Hardhead)
Record Weight 7 lbs.



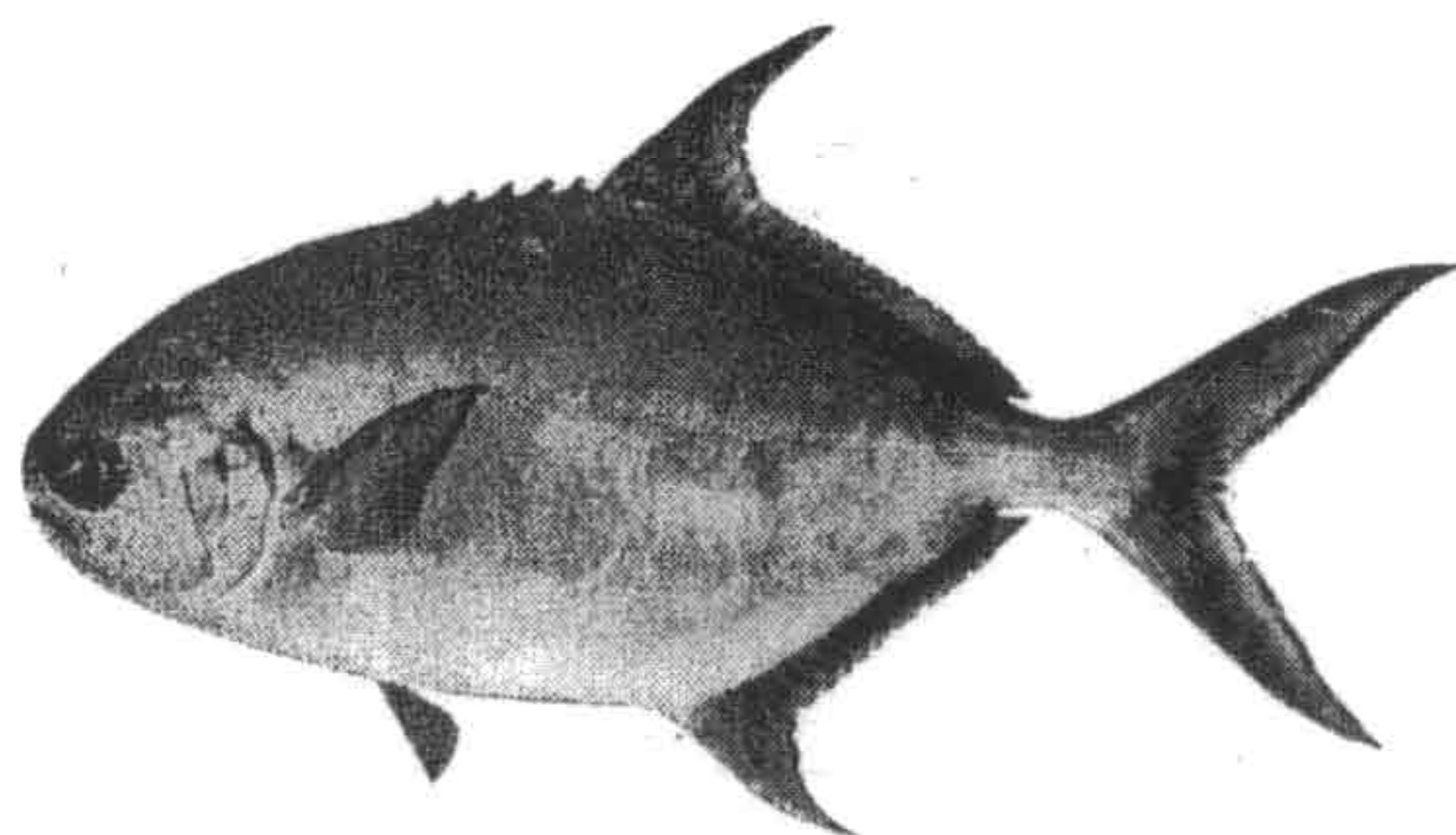
SEA BASS
Record Weight 8 lbs.



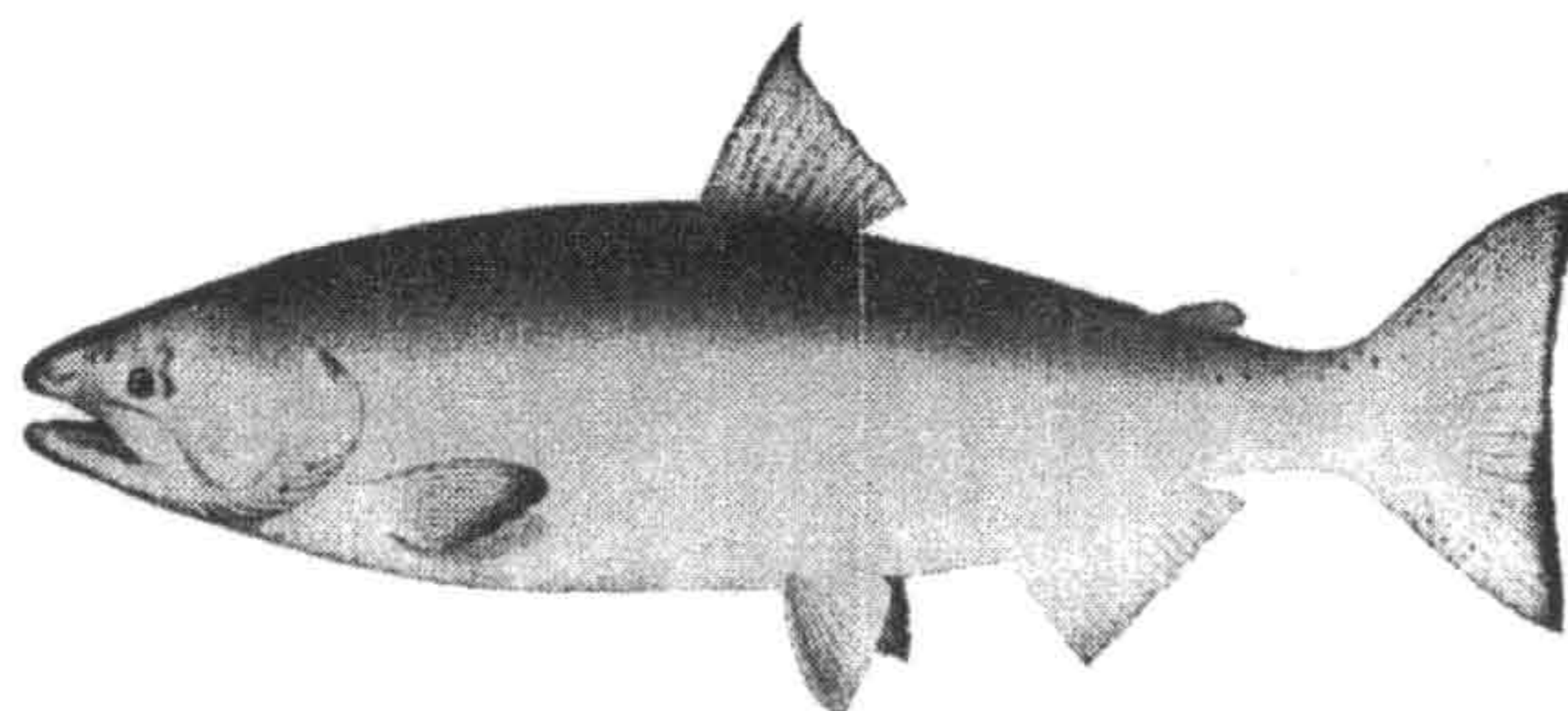
BROADBILL SWORDFISH
Record Weight 1182 lbs.



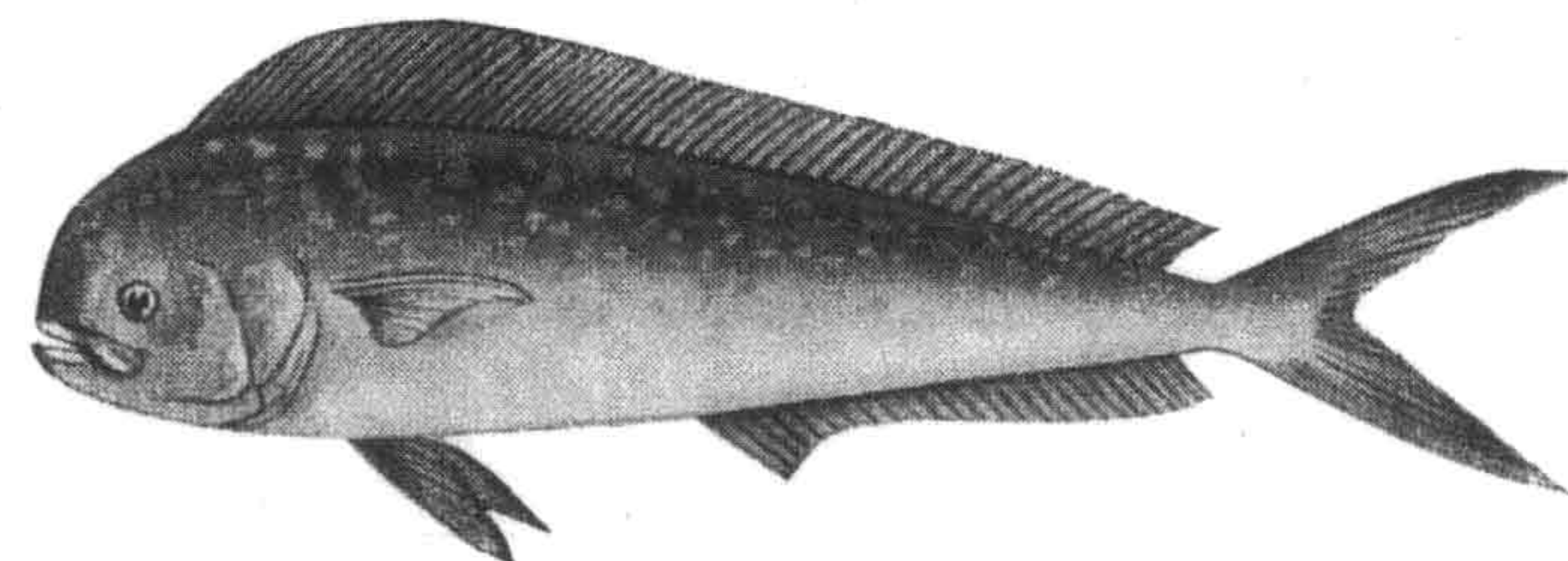
SAILFISH
Record Weight 221 lbs.



POMPANO
Record Weight 30 lbs.

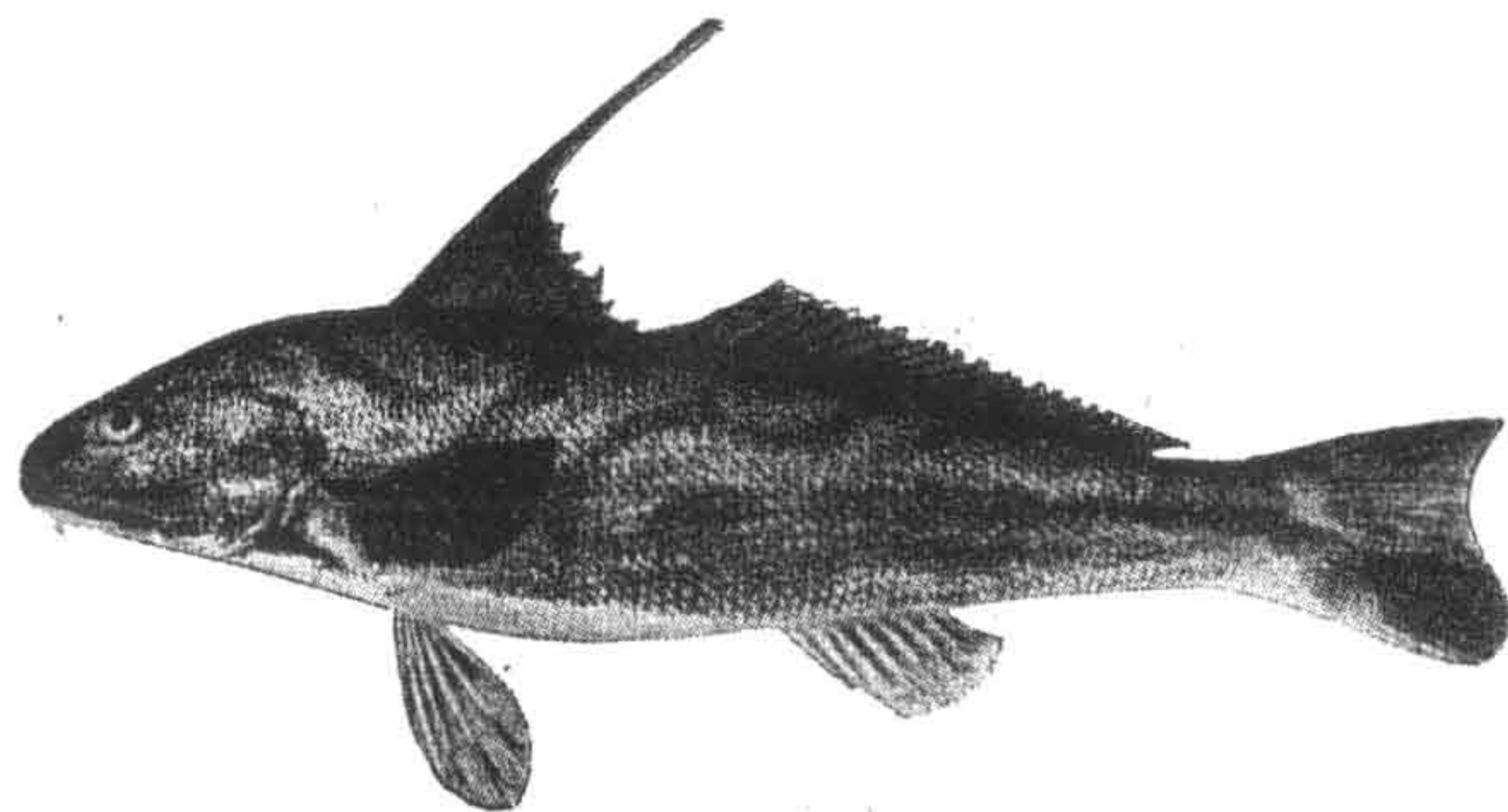


CHINOOK SALMON
Record Weight 83 lbs.

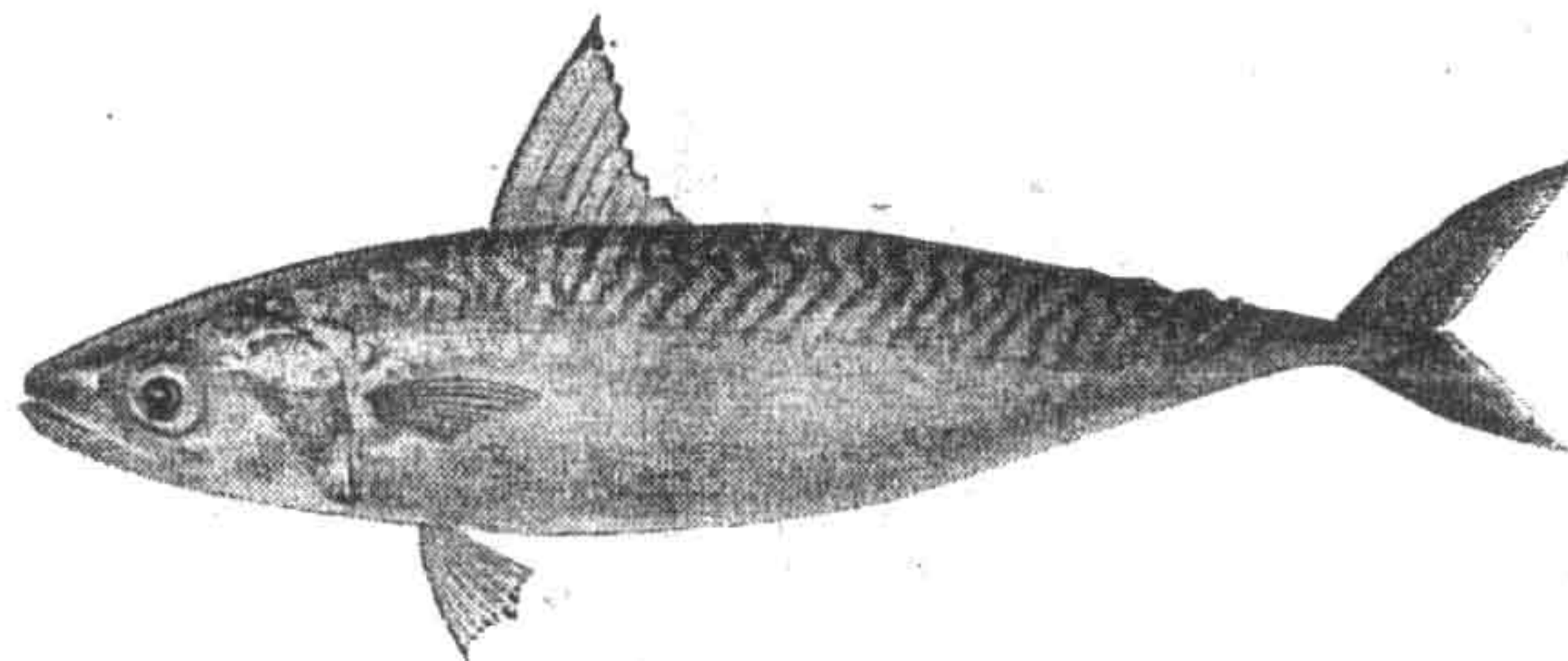


DOLPHIN (Dorado)
Record Weight 75 lbs.

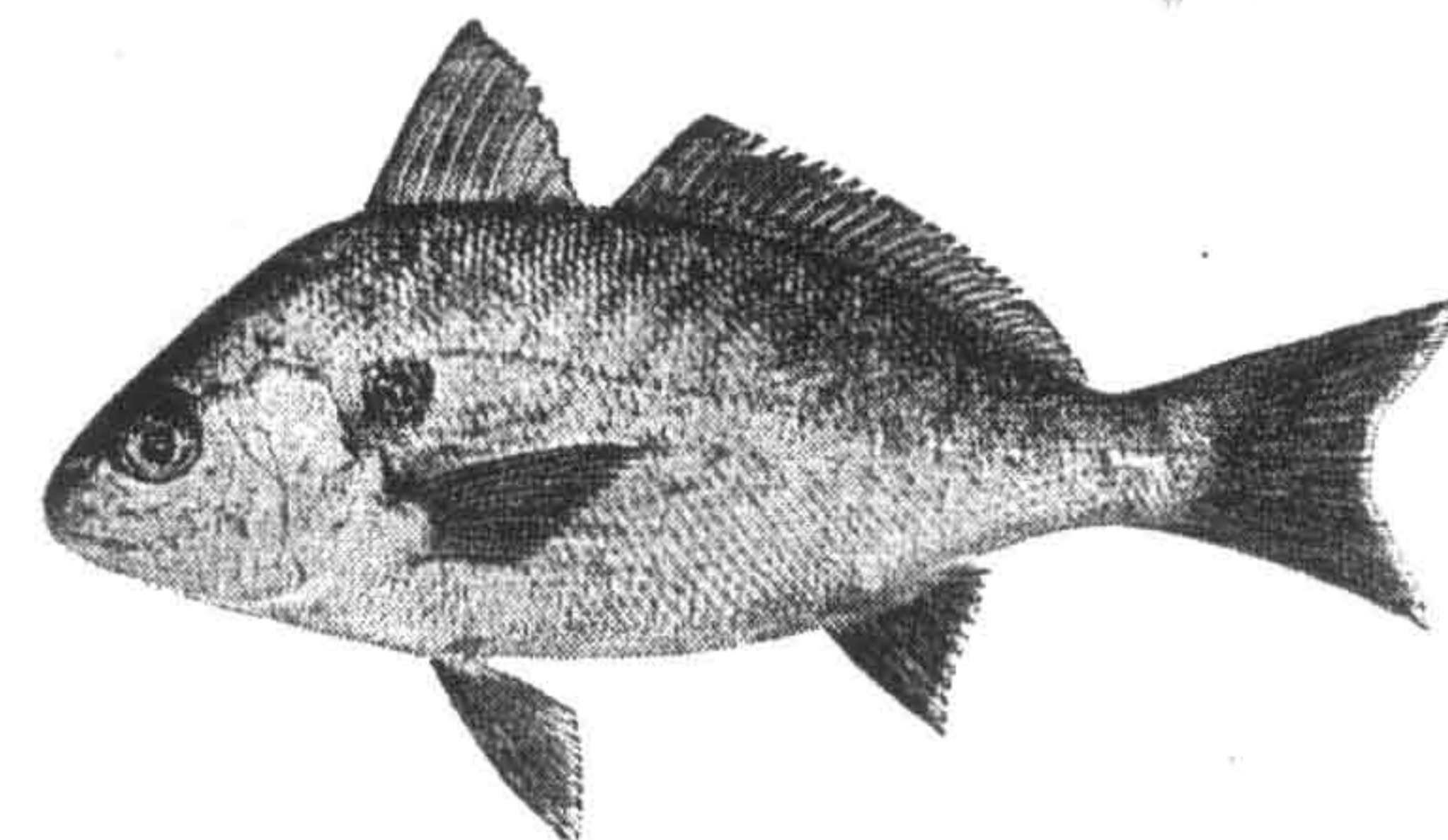
New year's salt water fish



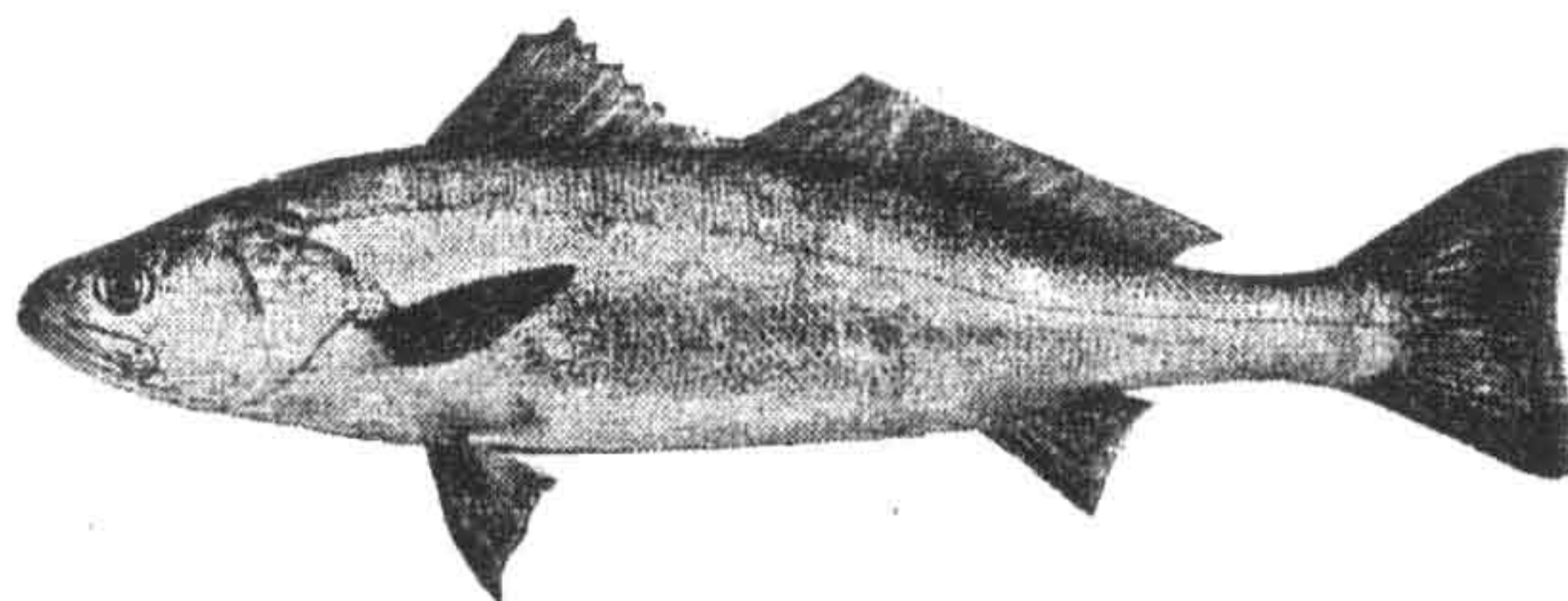
KINGFISH
Record Weight 6 lbs.



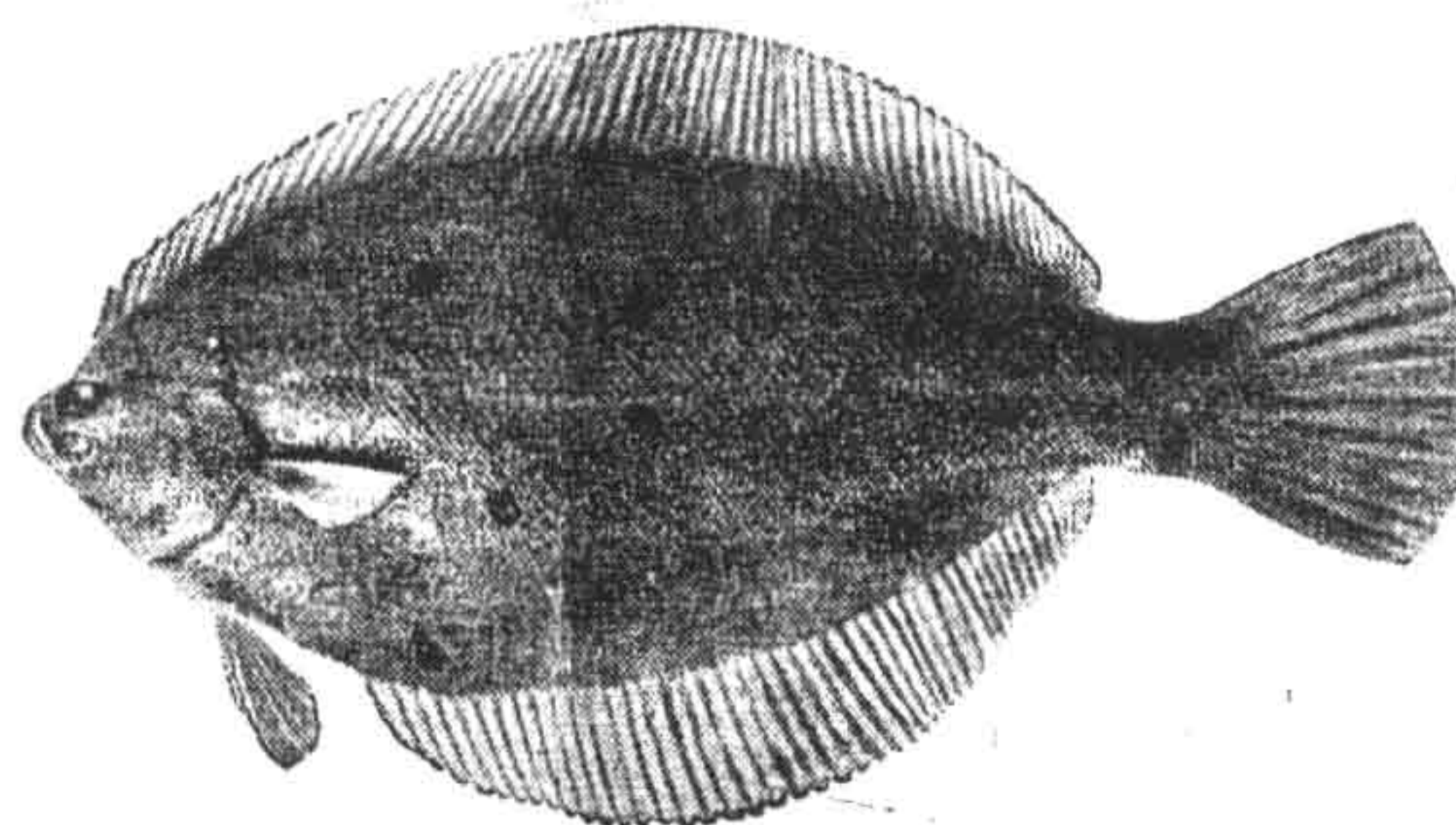
MACKEREL
Record Weight 8 lbs.



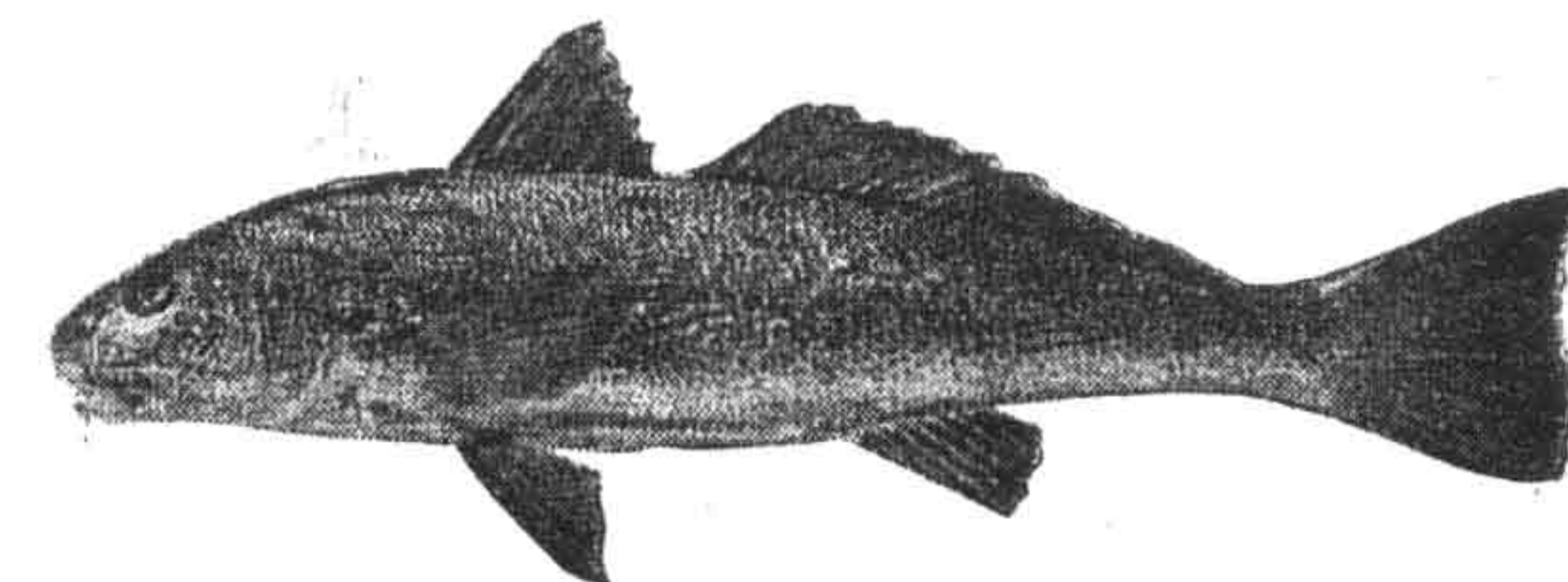
SPOT
Record Weight 1½ lbs.



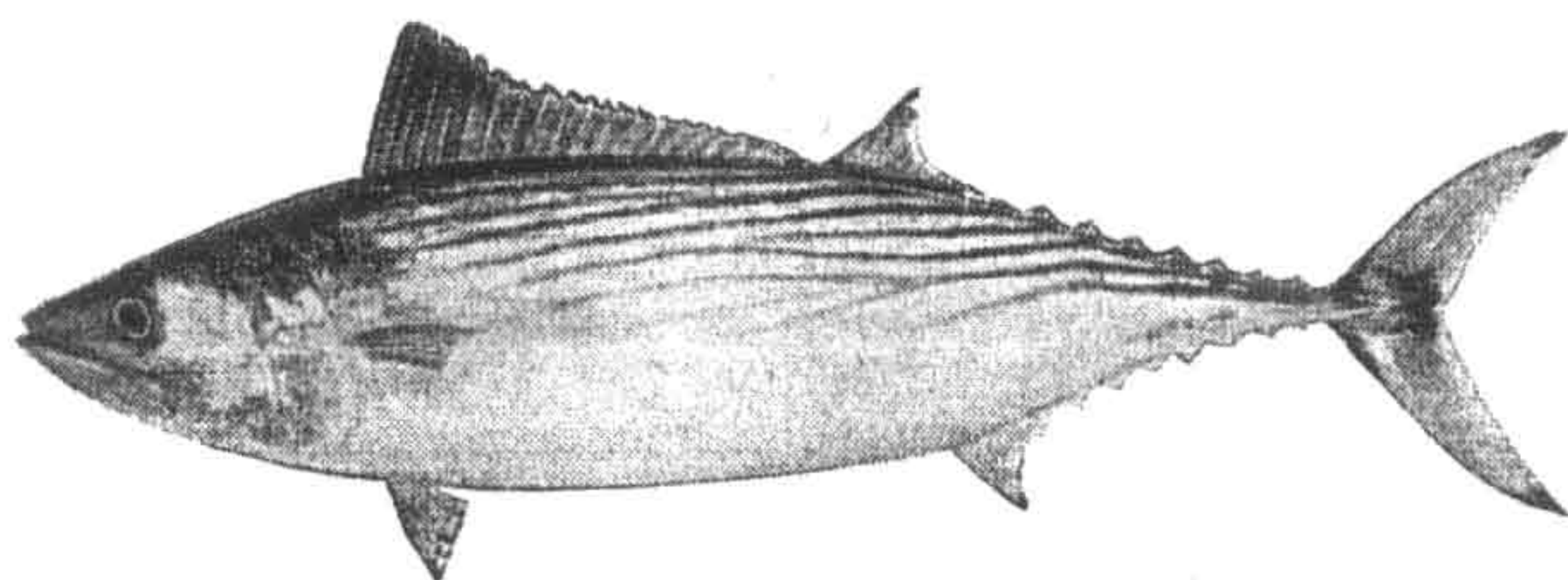
WHITE SEA BASS
Record Weight 83 lbs. 12 oz.



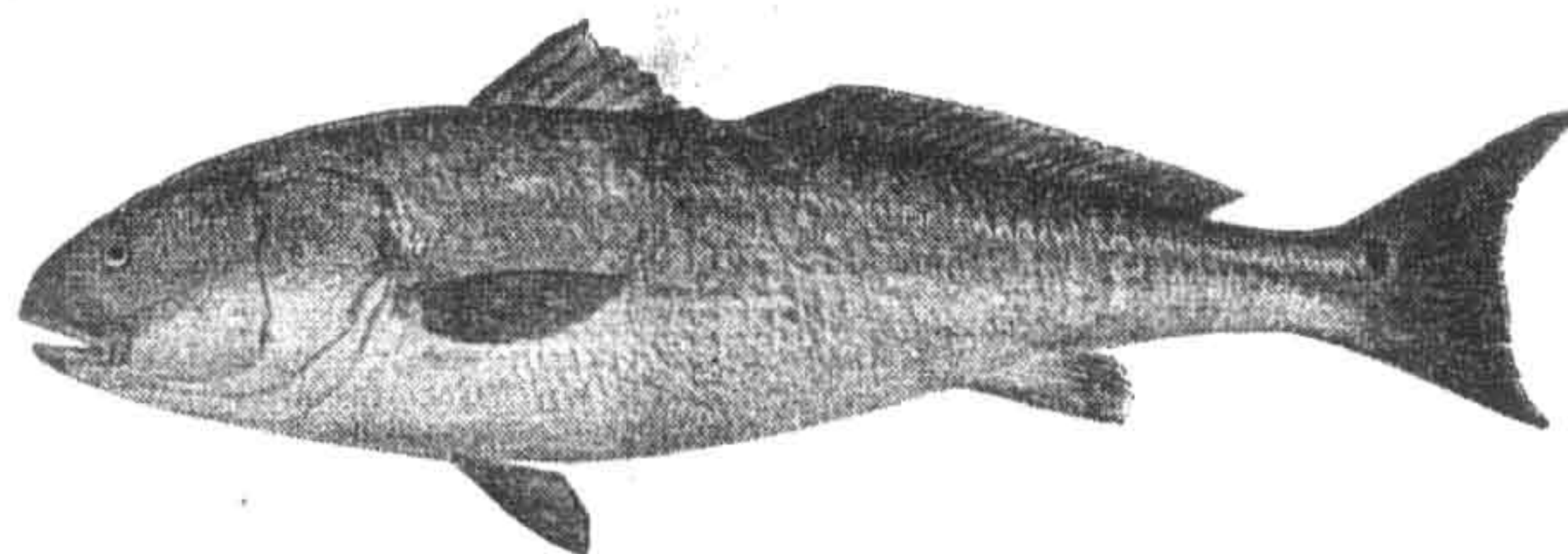
FLOUNDER
Record Weight 20 lbs.



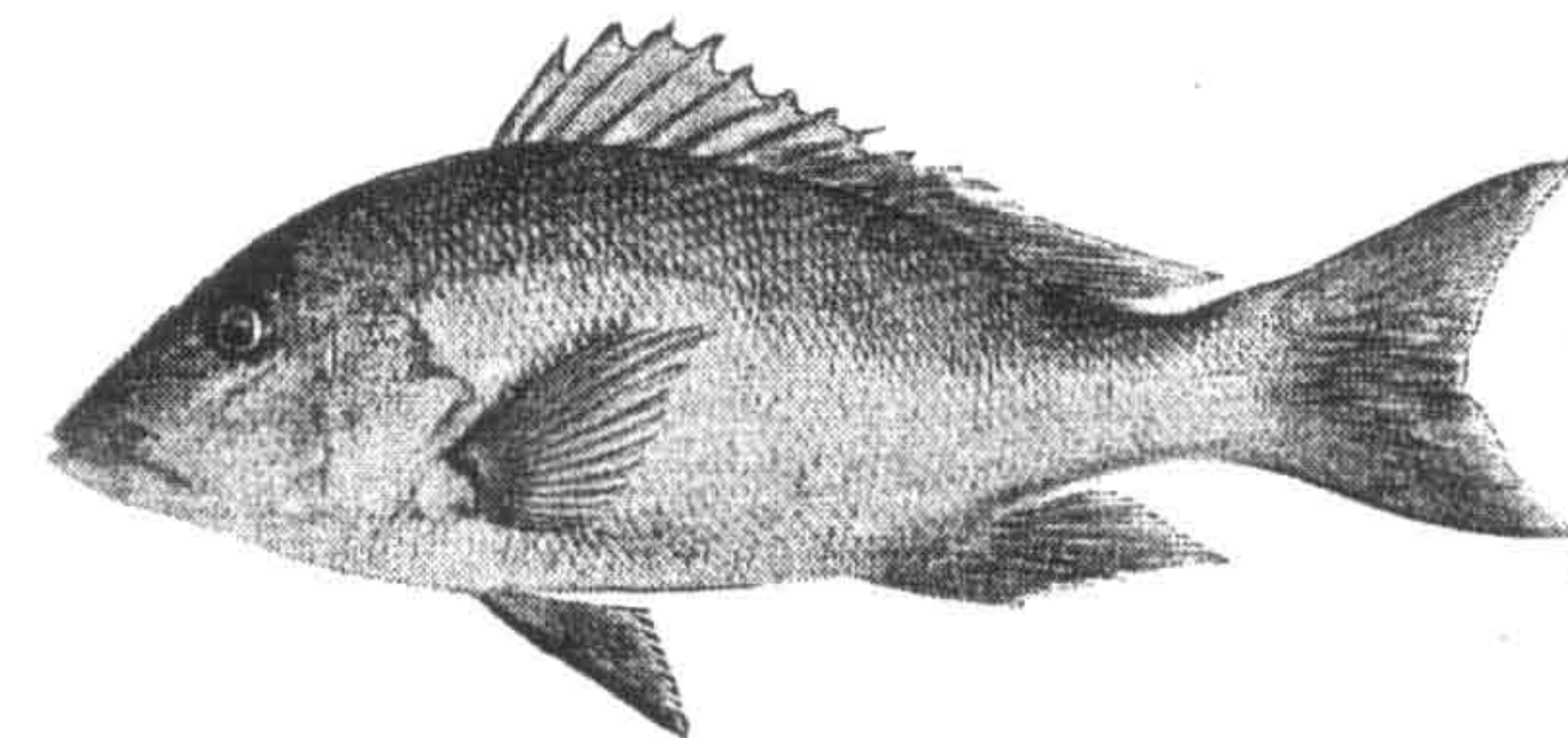
CORBINA
Record Weight 9 lbs.



BONITO
Record Weight 39 lbs. 15 oz.

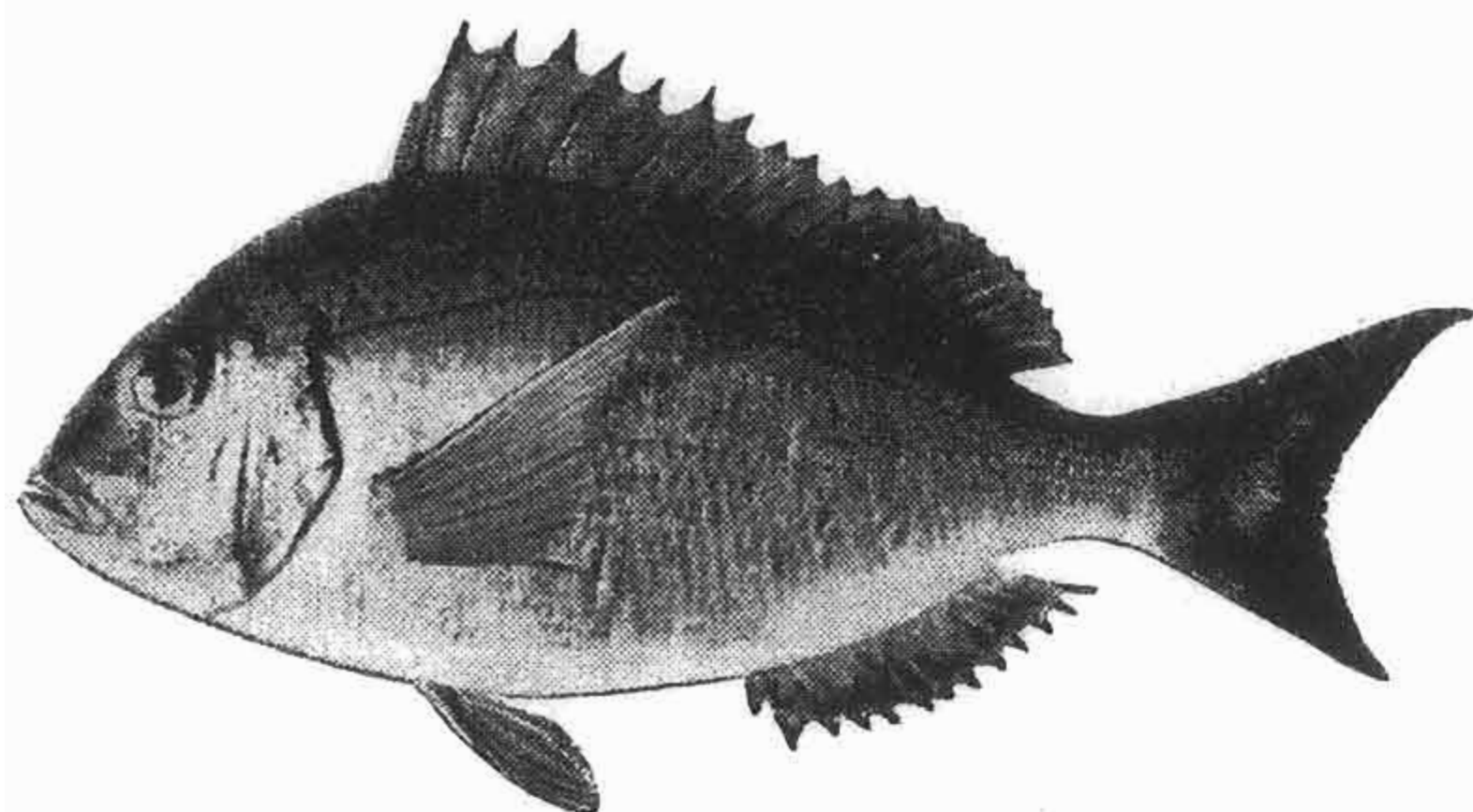


CHANNEL BASS (Red Drum)
Record Weight 83 lbs.

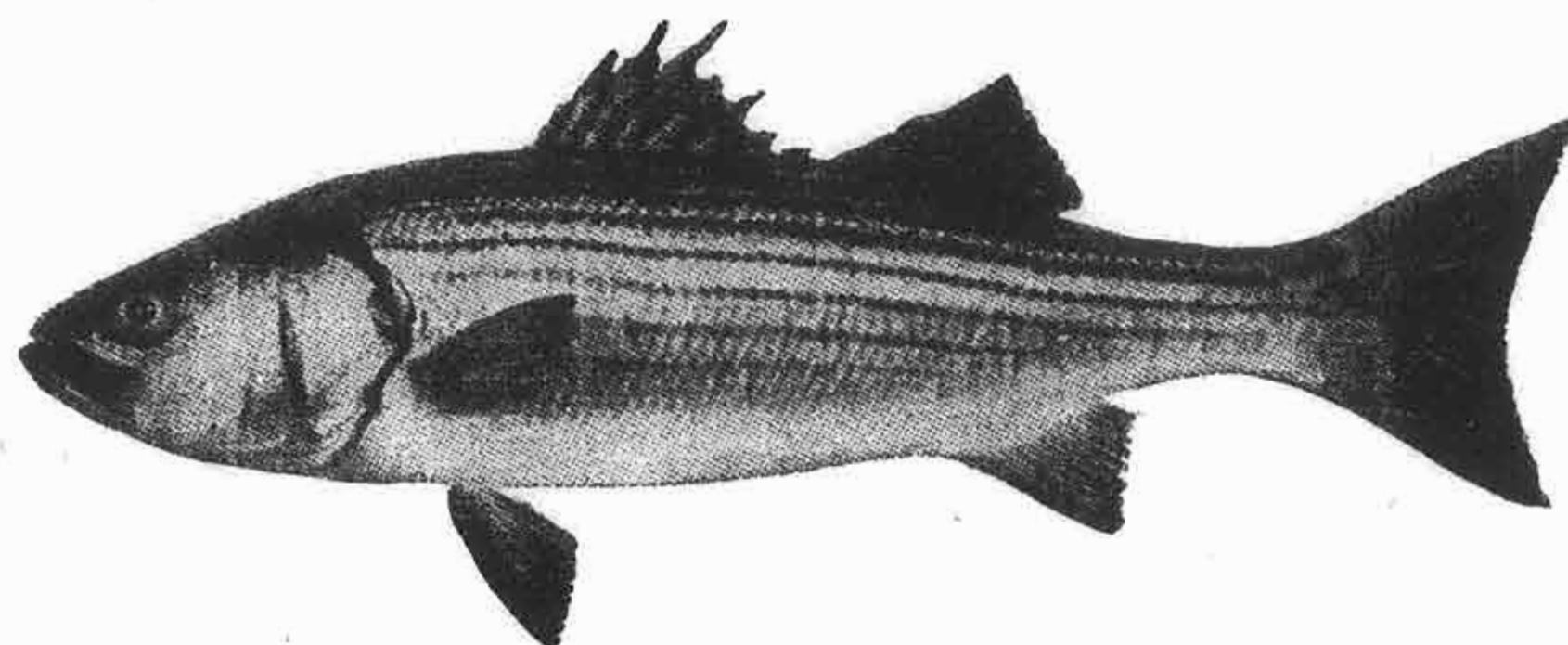


RED SNAPPER
Record Weight 12 lbs.

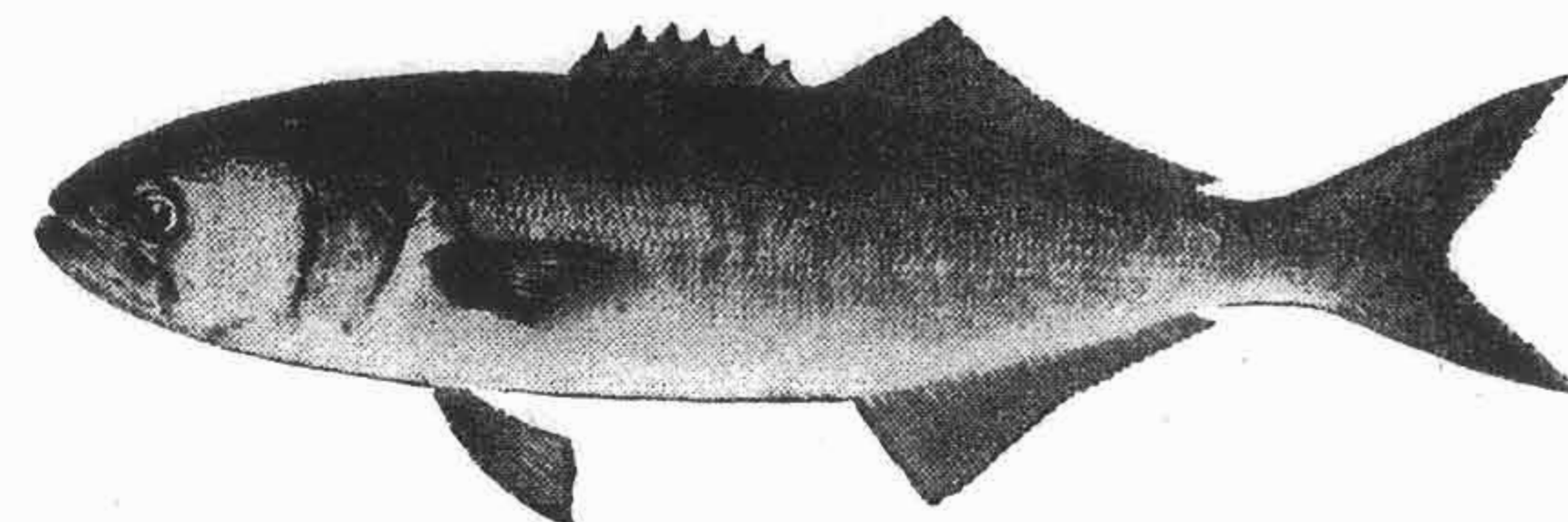
Know your salt water fish



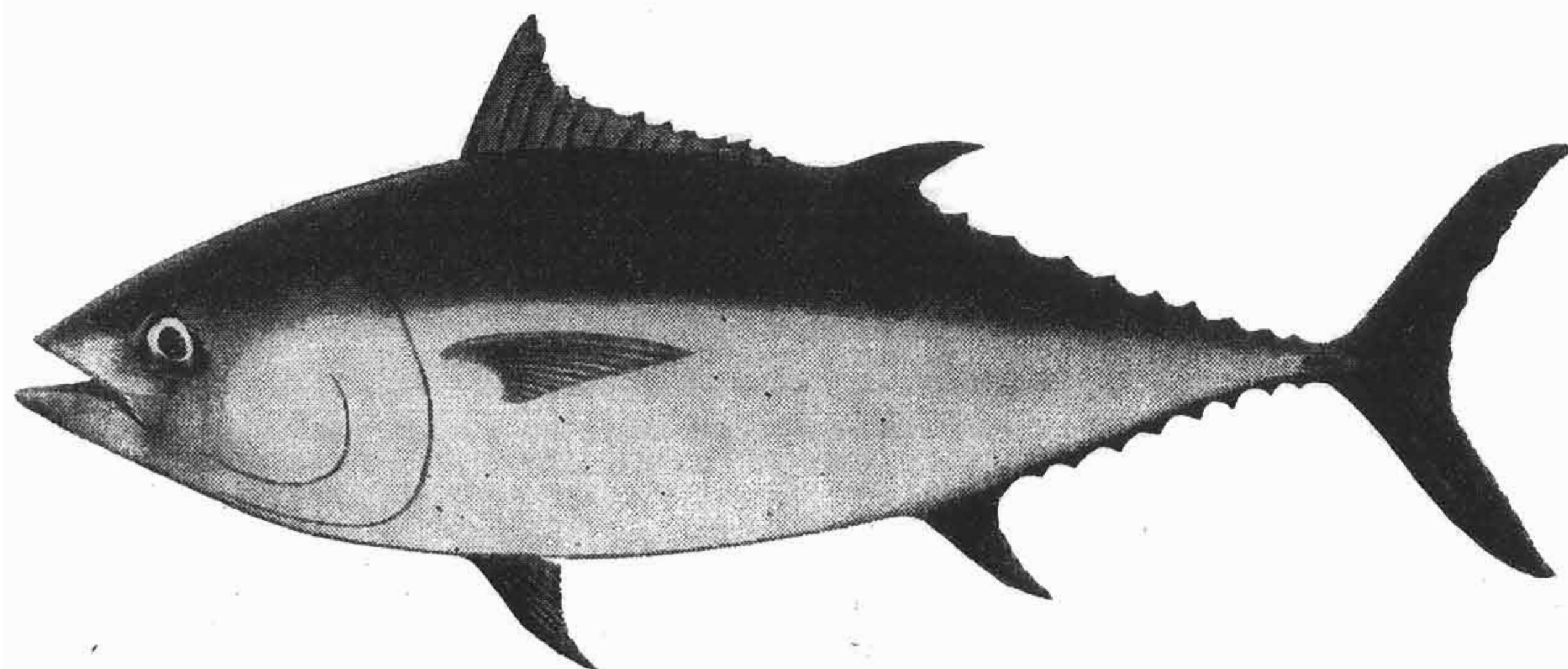
PORGY
Record Weight 5 lbs.



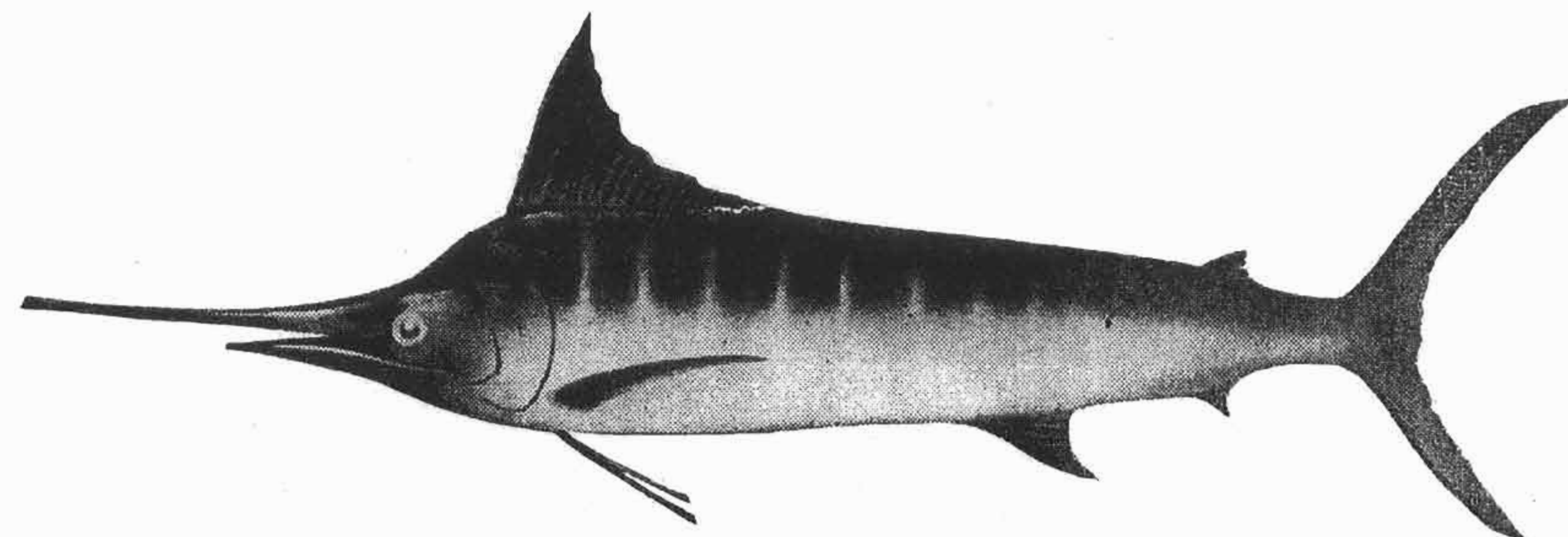
STRIPED BASS (Rock Fish)
Record Weight 73 lbs.



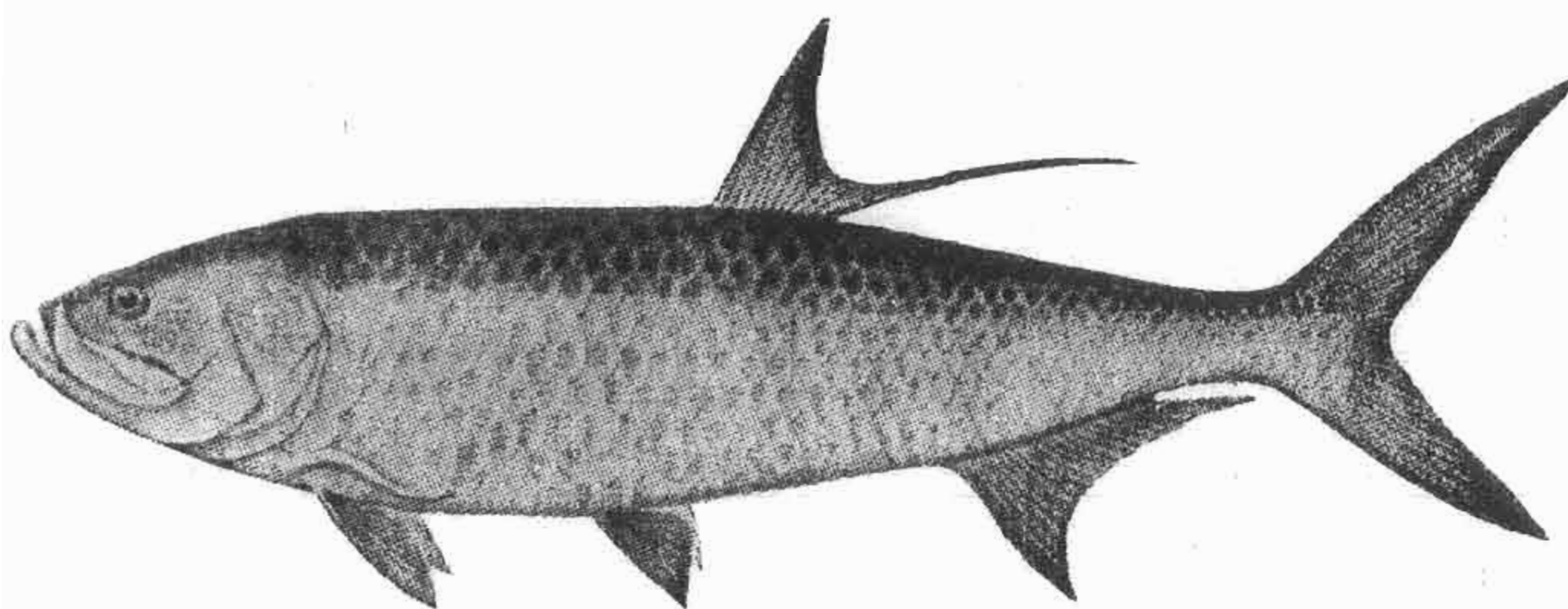
BLUEFISH
Record Weight 24 lbs. 3 oz.



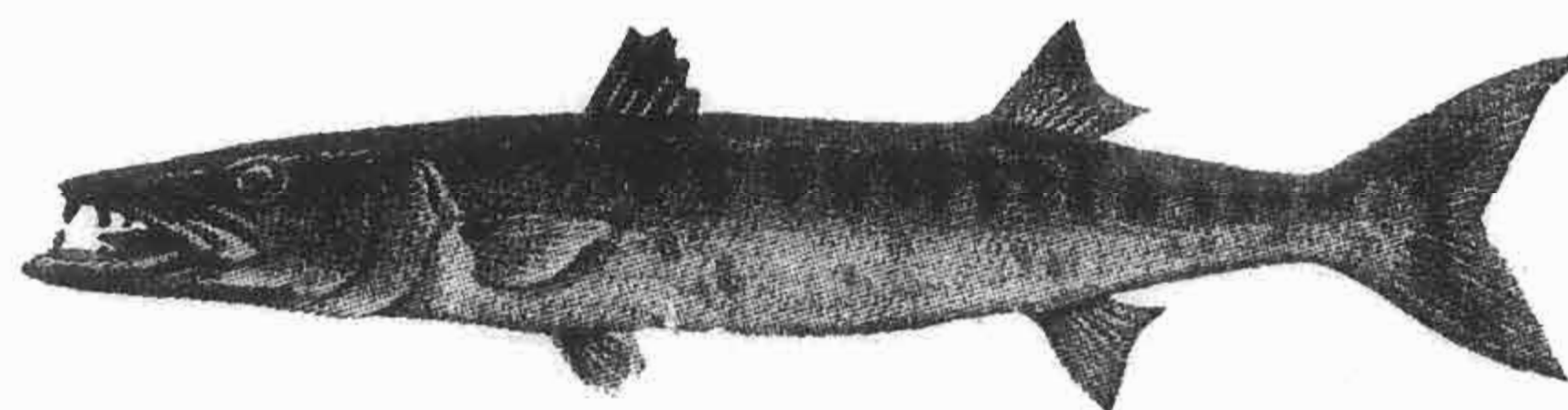
BLUEFIN TUNA
Record Weight 977 lbs.



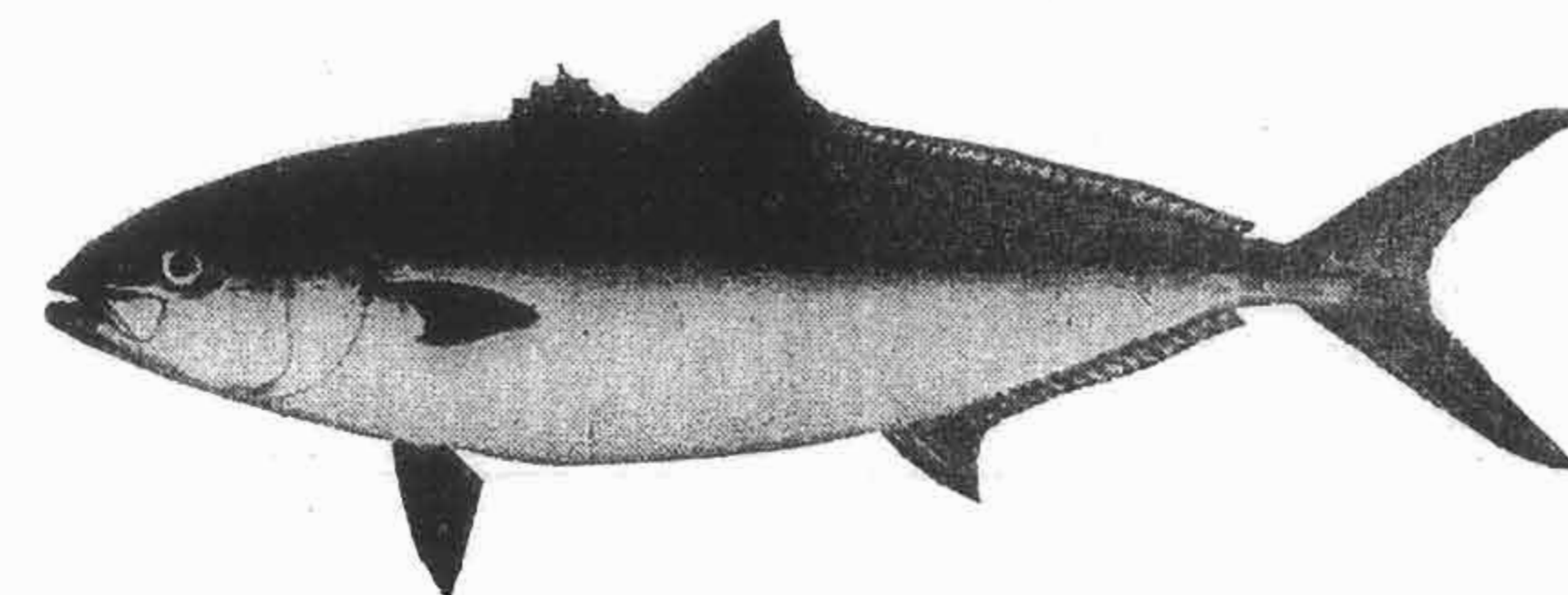
MARLIN (Striped)
Record Weight 692 lbs.



TARPON (Silver King)
Record Weight 247 lbs.

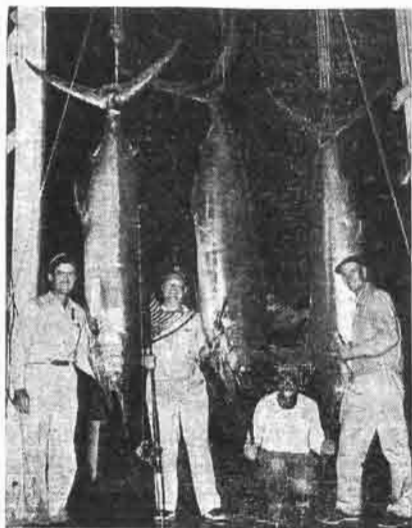


BARRACUDA (Sea Tiger)
Record Weight 103 1/4 lbs.

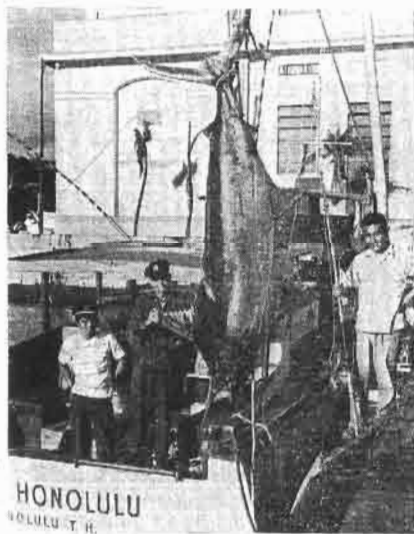


YELLOWTAIL
Record Weight 90 lbs.

Penn Reel Catches



Three of five blue marlin caught by Finn Magnus, Essex Falls, N. J., at Bimini, Bahamas, during one week's fishing sojourn. Fish on right ran its bill clear through the hull, breaking off four inches of its spear.



737 lb. striped marlin caught by Ralph Nakamura from Captain Richard Dawley's *Miss Honolulu* on 14/0 Penn Senator off the island of Oahu, T.H. It took just 55 minutes to land this 14 foot, 6 inch giant.



E. F. Haught, on left, and Curley Long, Charley Baughn, Charley Cook, all of Miami, Fla., with a catch of Warsaw groupers, from 86 to 153 pounds. Reels? Penn Senators 6/0 to 9/0. Fishin's fun!



George Willett, Maywood, Calif., with a 62 lb., 8 oz. yellowtail, 30-pound line test. I.G.F.A. world record, caught on Penn Squidder Reel and monofilament line in a 22-minute battle. Nice going, George!



Stanley Gadsby, Stratford, Conn., with one night's catch, striped bass 50, 45, 32 and 24 pounds, caught on #209 Penn Pear, Sr., off Stratford Shoals, and—hear ye—on Mono, 30-lb. test. Try a Penn Monofil reel, Stan!



A. D. Stenger, on right, and Malcolm McCauley, guide, shown with 189½ lb. tarpon caught out of Port Aransas, Texas, on #67 Penn Long Beach Reel. "There's silver in them there tarpon."



A fine angling pair, Mr. and Mrs. Stanley Bednarek, Phila., Pa., with the fruit of Stan's labor, a 776 lb. tuna caught on a 16/0 Penn Senator in Soldier's Rip, Wedgeport, N.S. Good work, Stan!

