

PENN SALT WATER FISHING REELS

◆
Catalog No. 6
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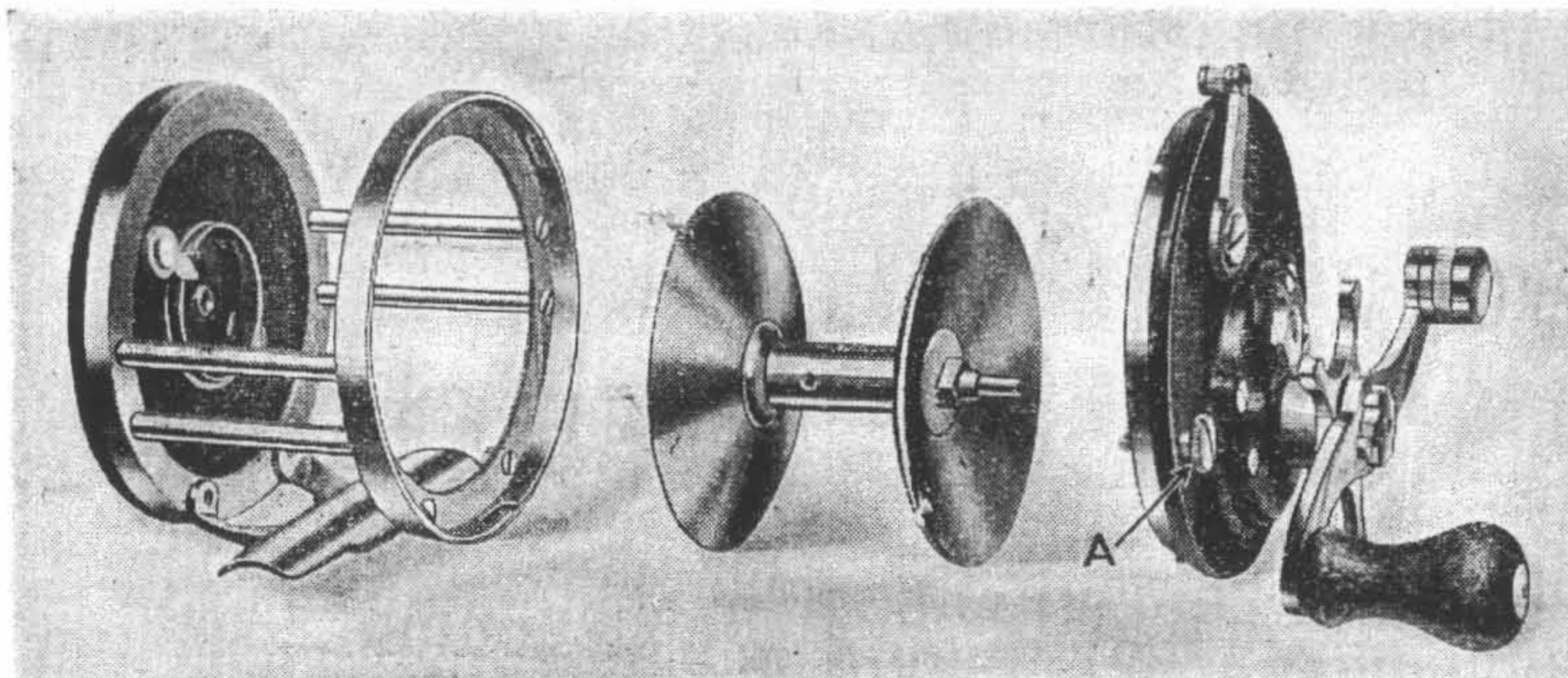
Penn Fishing Tackle Mfg. Co.
159 West Lehigh Avenue, Philadelphia, Pa.

Manufacturers of Salt Water Reels Exclusively

CONSTRUCTION OF PENN FISHING REELS

DETAILS OF CONSTRUCTION

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



TAKE APART CONSTRUCTION

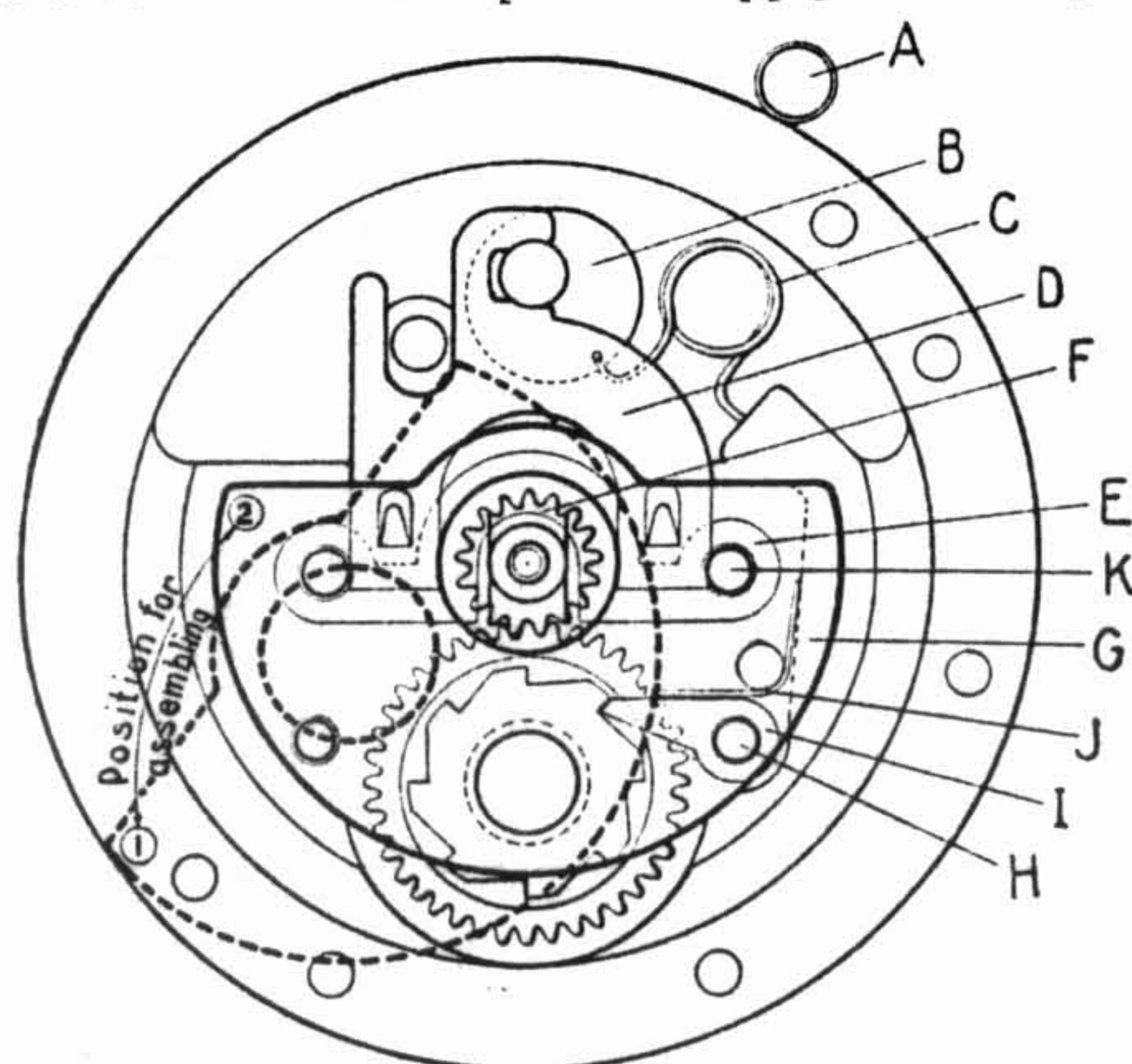
By means of our very rugged *Take Apart* device, our reels with this feature can easily be taken apart for cleaning. Unscrew knurled thumbscrew (A), turn front plate slightly to the left and pull away from the reel frame. Reverse operations for assembling.

FREE SPOOL CLUTCH

Patent No. 1952756—March 27, 1934

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

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



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

DIRECTIONS FOR ASSEMBLING

After re-assembling Star Drag mechanism, (see page 3) place gear bridge (G) in position (1) as indicated by dotted line (slightly turned to the left for replacing ratchet pawl and spring). Grip plate with your left hand and with your thumb press gear bridge against plate. Insert bridge screw (H—long

CONSTRUCTION OF PENN FISHING REELS

STAR DRAG

The sturdily built drag mechanism of selected material is *non-slipping* and *non-seizing*, thus removing danger of breaking line or rod. Adjustable to a very fine degree by star wheel on handle. Entire drag mechanism can be oiled from the outside by means of oil channels from ball oiler on handle screw.

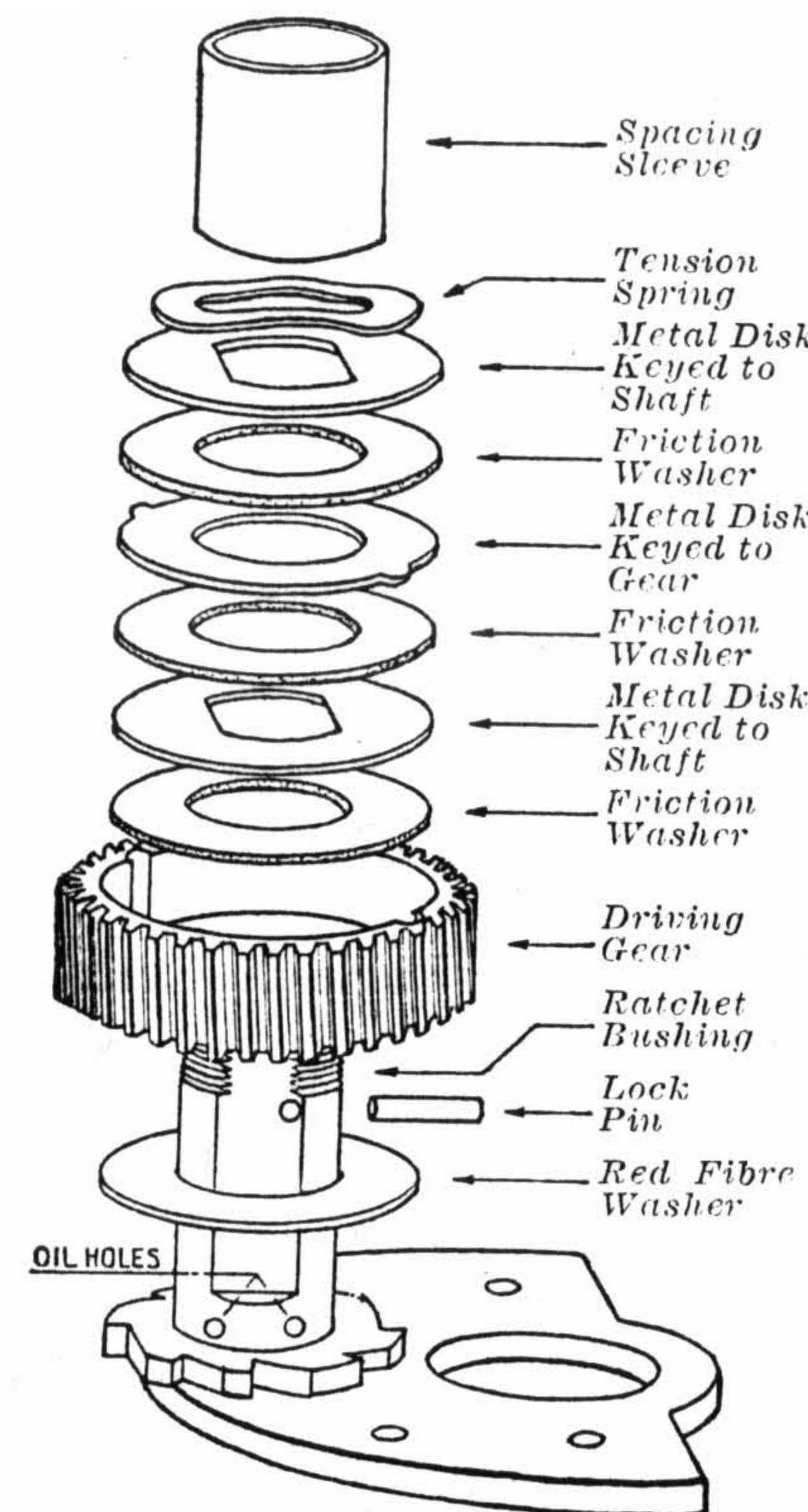
DIRECTIONS FOR ASSEMBLING

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

OILING SYSTEM

Patent No. 1952756

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

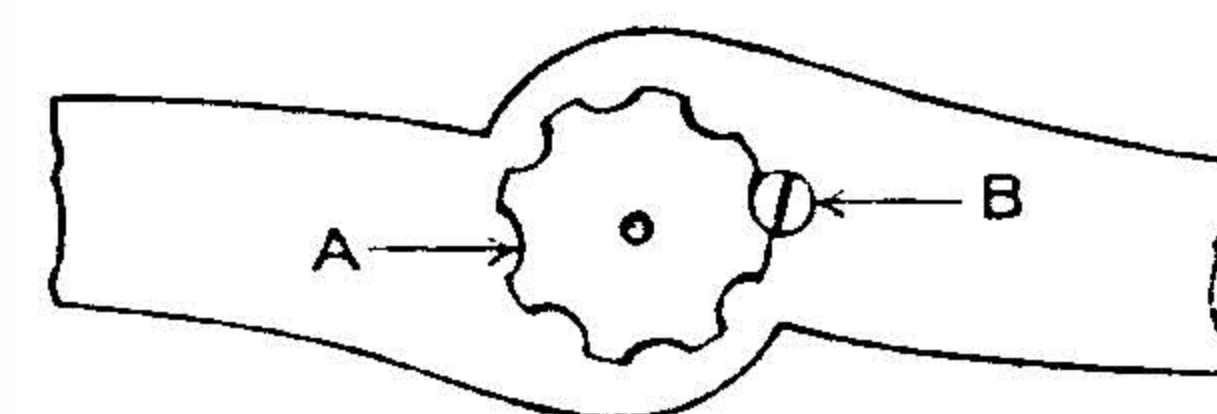


work in lubricating and safeguards good performance and long life of the reel.



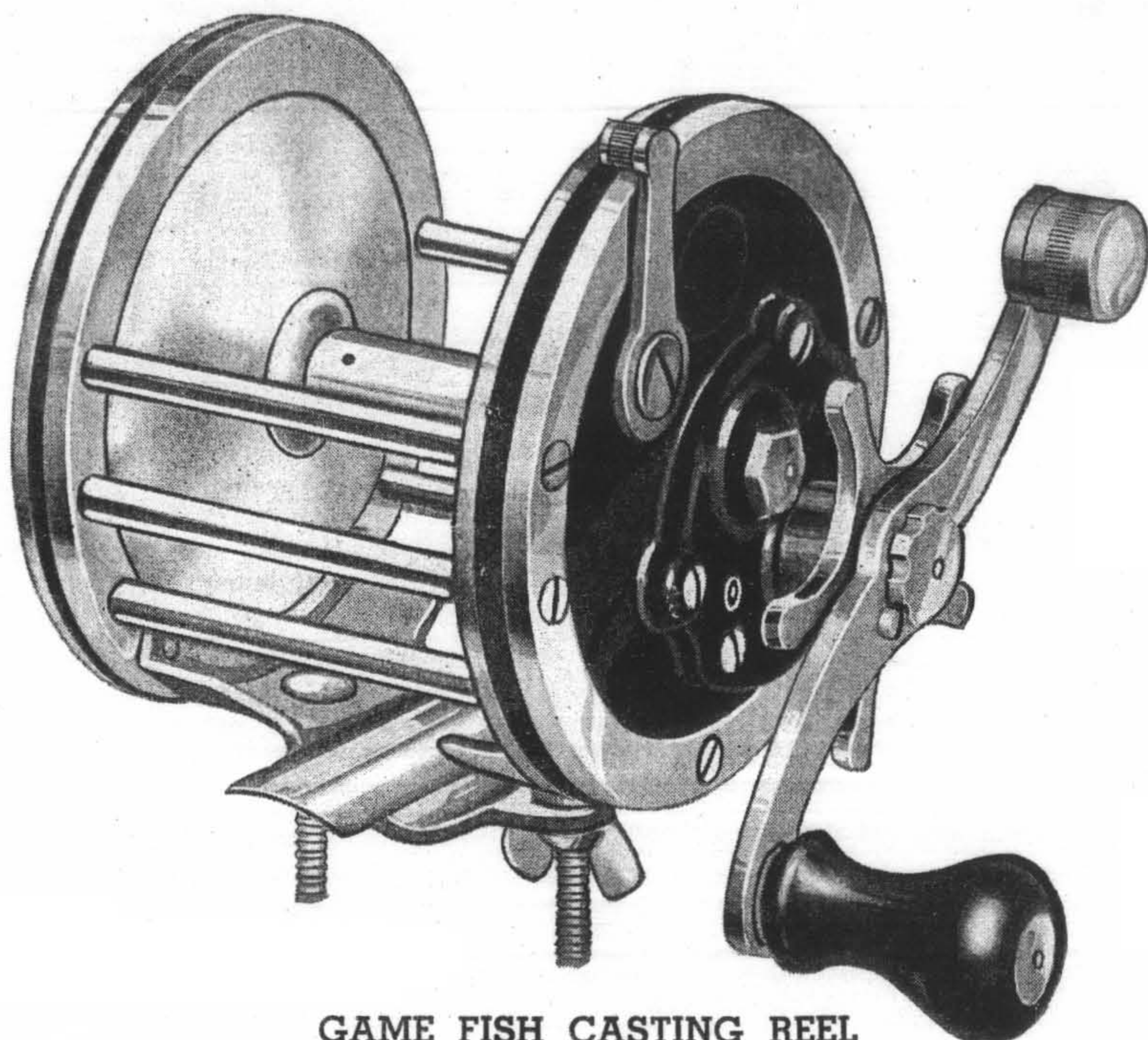
HANDLE SCREW LOCKING DEVICE

Prevents handle from working loose. The special shaped handle screw (A) is equipped with grooves, into which a small lock screw (B) is fitted. To take off handle, remove lock screw (B) and unscrew handle screw (A). When re-assembling be sure to tighten handle screw good before replacing lock screw (B). A special handle screw wrench is packed with the reel. The handle screw is equipped with a ball oiler to provide for lubricating of gear stud.



GAME FISH CASTING REEL

LONG BEACH DE LUXE



GAME FISH CASTING REEL

Patent Nos. 1940593-1952756

Powerful Star Drag. Free Spool Clutch. Non-strip Gears. Gear Ratio $2\frac{1}{2}$ to 1. Open top with Triple Side Pillars. Attached Rod Clamp. Double Metal Bands. Phosphor-bronze and Stainless-steel Working Parts—100% Rustproof. German-silver Frame. Chrome-plated. One Shot Lubrication.

We recommend this reel for large game fish, when casting does not permit the use of a trolling reel. These reels are of small diameter and for greater line capacity the width of the spool is increased instead of the diameter. The top of the reel is left open for greater freedom in thumbing the spool when casting. Our patented free spool *Snap* lever provides for throwing the reel into free spool or applying the drag instantly. Gear ratio is $2\frac{1}{2}$ to 1 for speedy action. The Star Drag is designed to handle game fish. Frame is made of German-silver and chrome-plated. Working parts are phosphor-bronze and stainless-steel, 100 per cent salt waterproof. Our *One Shot* lubrication safeguards perfect performance. Details of construction on pages 2 and 3.

Left hand models at extra cost of \$1.00.

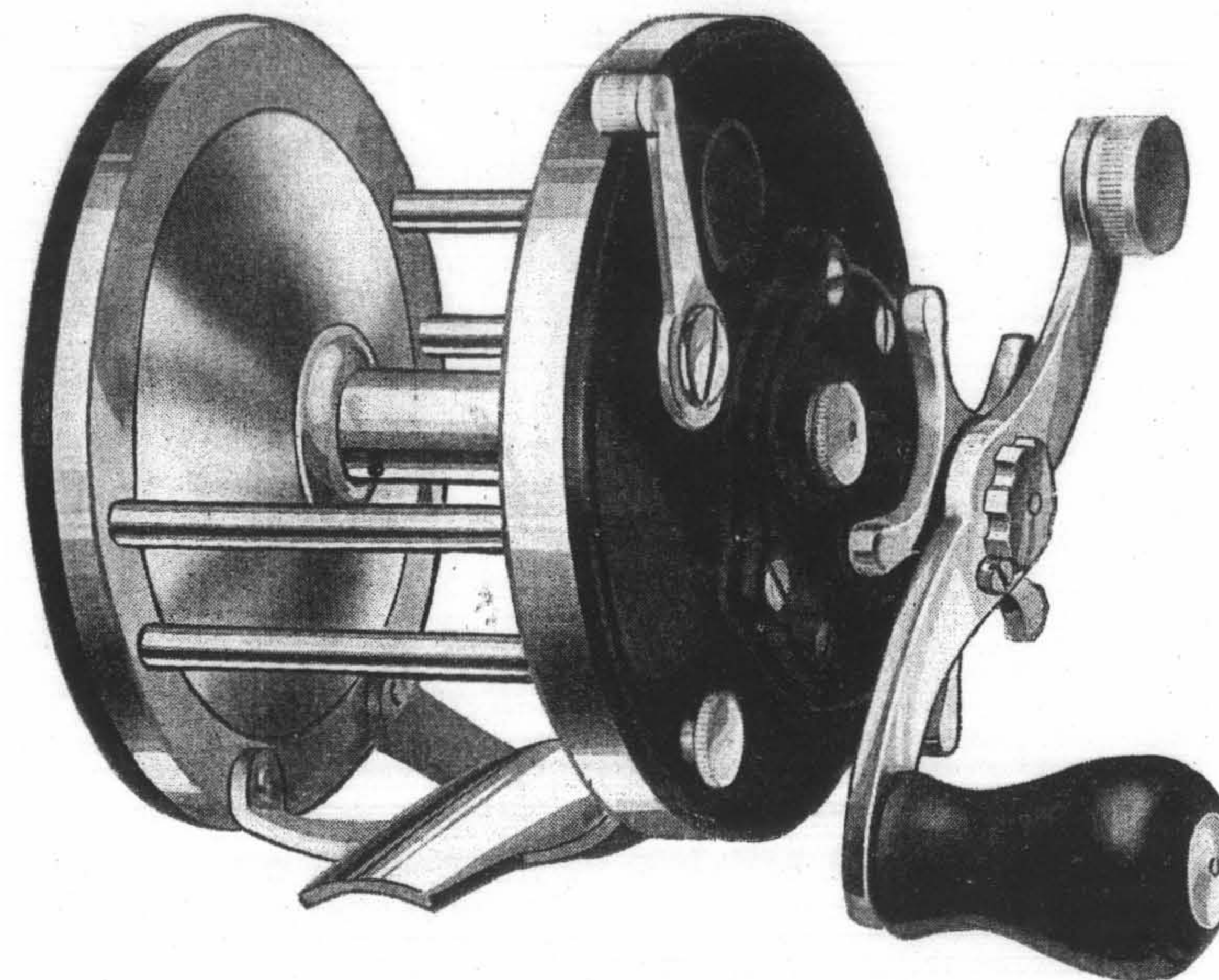
SPECIFICATIONS

No. and Size of Reel	Line Capacity in Yards				Plate Diam.	Spool Width	Weight of Reel	Price Each
	No. 6	No. 9	No. 12	No. 15				
DL 60—250 Yds.	375	250	190	150	3 $\frac{1}{4}$ "	1 $\frac{3}{8}$ "	21 oz.	\$10.00
DL 65—300 Yds.	450	300	225	180	3 $\frac{1}{4}$ "	2 $\frac{1}{8}$ "	22 oz.	12.50
DL 66—400 Yds.	600	400	300	240	3 $\frac{1}{4}$ "	2 $\frac{1}{8}$ "	23 oz.	15.00

PENN FISHING TACKLE MFG. CO., 159 W. Lehigh Ave., PHILADELPHIA, PA.

TAKE APART SURF CASTING REEL

CORONADO TAKE APART



SURF CASTING REEL

Patent Nos. 1940593-1952756

Take Apart Feature. Star Drag. Free Spool Clutch. Open Top with Double Side Pillars. Non-strip Gears. Handle Screw Locking Device. One Shot Lubrication. German-silver Frame. Chrome-plated.

The *Coronado Take Apart* is the ideal reel for surf casting, as the reel can easily be taken apart on the beach. (See page 2). In surf fishing the reel might become sandlogged and would be useless for fishing. With our *take-apart* feature it only takes a minute to clean the reel and continue fishing. Also an extra spool can be supplied with this model to provide for the use of different size lines, or in the case of a broken line or a bad tangle, the angler does not have to lose precious fishing time, but only a minute to exchange spools. The *Coronado* is equipped with our powerful Star Drag (details on page 3), Free Spool Clutch and One Shot Lubrication. Frame is made of German-silver and chrome-plated.

Left hand model at extra cost of \$1.00. Extra spool \$1.00.

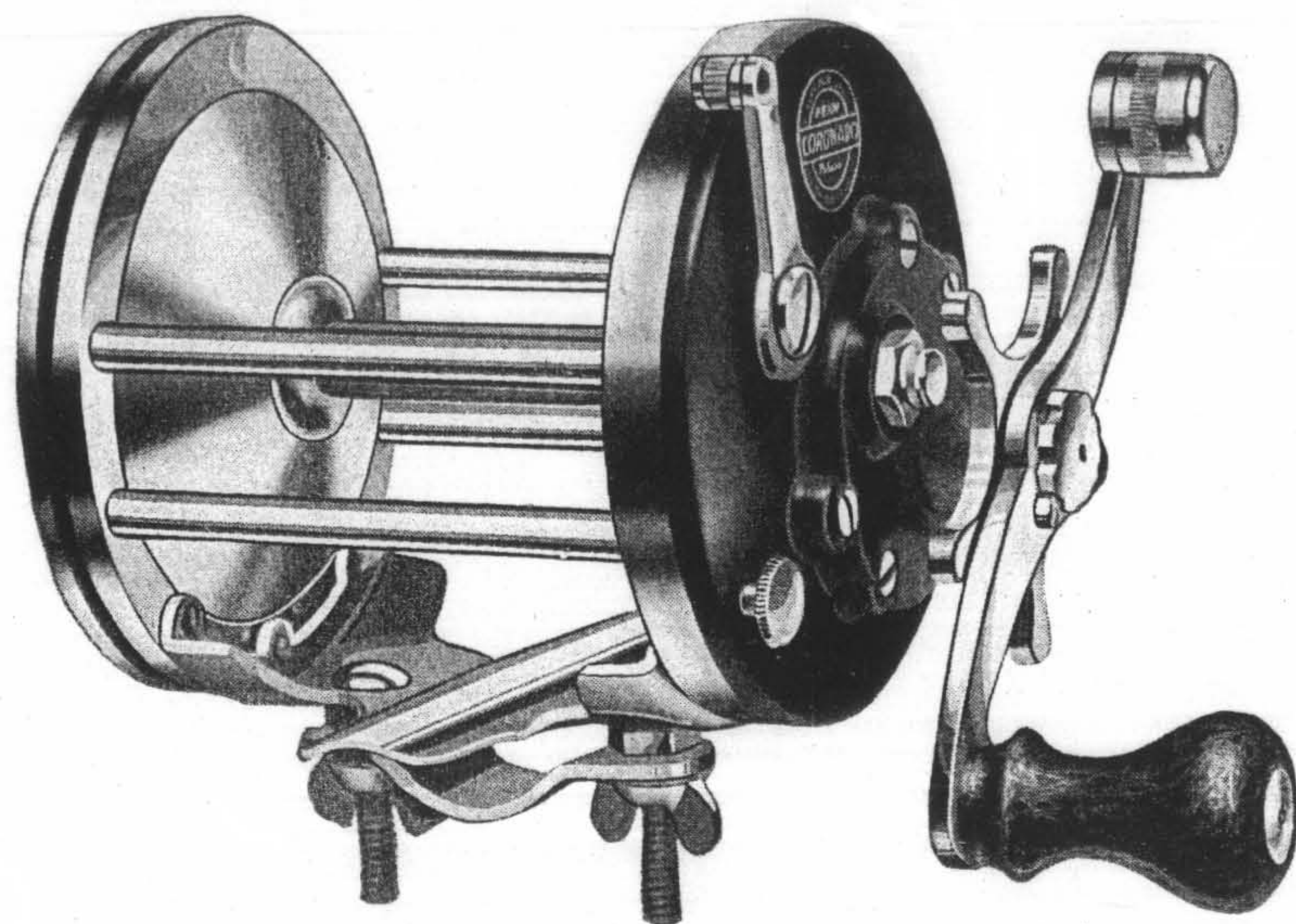
SPECIFICATIONS

No. and Size of Reel	Line Capacity in Yards				Gear Ratio	Plate Diam.	Spool Width	Weight of Reel	Price Each
	No. 6	No. 9	No. 12	No. 15					
No. 92—150 Yds.	250	150	125	125	3 to 1	3"	1 $\frac{5}{8}$ "	17 $\frac{1}{2}$ oz.	\$8.00
No. 90—250 Yds.	375	250	190	150	2 $\frac{1}{2}$ to 1	3 $\frac{1}{4}$ "	1 $\frac{3}{8}$ "	19 oz.	9.00
No. 95—300 Yds.	450	300	225	175	2 $\frac{1}{2}$ to 1	3 $\frac{1}{4}$ "	2 $\frac{1}{8}$ "	20 $\frac{1}{2}$ oz.	10.00

MANUFACTURERS OF SALT WATER REELS EXCLUSIVELY

TAKE APART SQUIDDING REELS

SILVER BEACH TAKE APART



SURF CASTING AND SQUIDDING REELS

Patent Nos. 1940593-1952756

With and without Star Drag—Gear Ratio 3 to 1

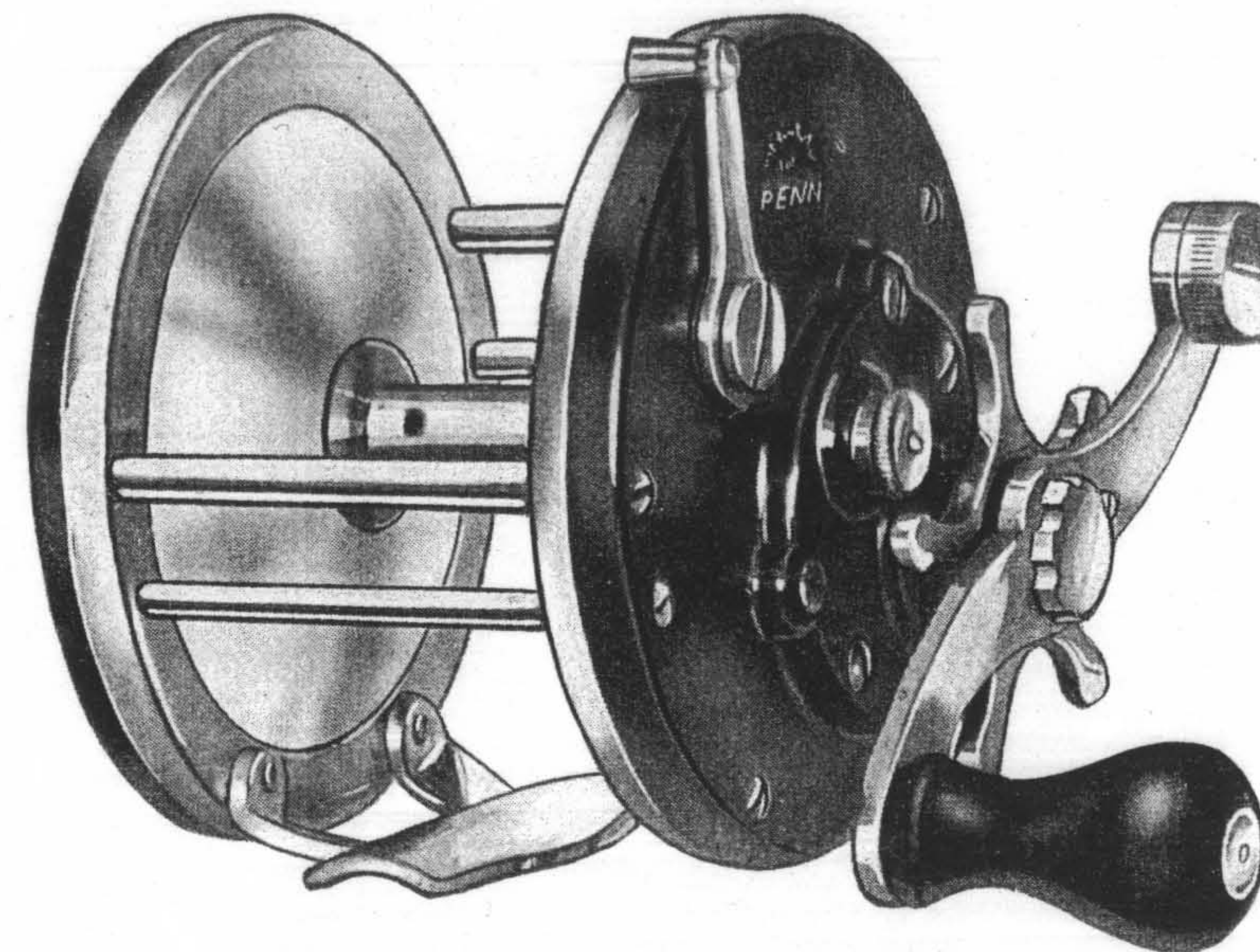
No. 97—Star Drag—Plate diam. 3"; spool width 2 1/8"; weight 21 oz.....	Price \$10.00
No. 98—Free Spool—Plate diam. 3"; spool width 2 1/8"; weight 20 oz.....	Price 8.00
Left hand model at extra cost of.....	1.00
Extra spool for either model.....	1.00

The *Silver Beach* is designed for squidding and surf casting. The diameter of the spool is kept small and the frame widened to hold 200 yards of No. 12 line. This model is made *with* or *without* Star Drag. The gear ratio is 3 to 1 for fast action. Reel can easily be taken apart. An extra spool can be supplied with this reel to provide for the use of different size lines, or in case of a broken line or a bad tangle, the angler does not have to lose precious fishing time but only a minute to exchange spools. Free spool *Snap* lever is conveniently located on rim and allows the angler to apply the drag *instantly* and without danger of stripping gears. The *extra large handle* is equipped with a locking device to provide against handle working loose. An *attached rod clamp* insures rigidity of the reel under all conditions. Side plates are reinforced with double metal bands and beautifully engraved. Frame of German-silver and chrome-plated. Details of construction on pages 2 and 3.

PENN FISHING TACKLE MFG. CO., 159 W. Lehigh Ave., PHILADELPHIA, PA.

STAR DRAG SALT WATER REEL

LONG BEACH



THE STANDARD SALT WATER REEL

Patent Nos. 1940593-1952756

The *Long Beach* is a *universal* salt water reel of high standard and made in six sizes. This reel is equipped with our powerful *non-slipping* and *non-seizing* Star Drag, adjustable to a fine degree. (Details on page 3). The free spool *Snap* lever is conveniently located on rim and allows the angler to throw the reel into free spool or applying the drag *instantly* and without danger of stripping gears. (Details on page 2). The perfectly balanced and free running spool makes this reel *excellent for casting*. The open top frame gives greatest freedom in thumbing spool. The driving gears are oversize for speedy recovery of line. Handle is fitted with a locking device to insure against working loose. (See page 3). Side plates are reinforced with metal bands. Our *One Shot* lubrication safeguards perfect performance. (Illustration on page 3). Metal parts are hand-polished and chrome-plated. A *PENN* lubricating set and a combination wrench and screw driver are furnished with every reel.

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

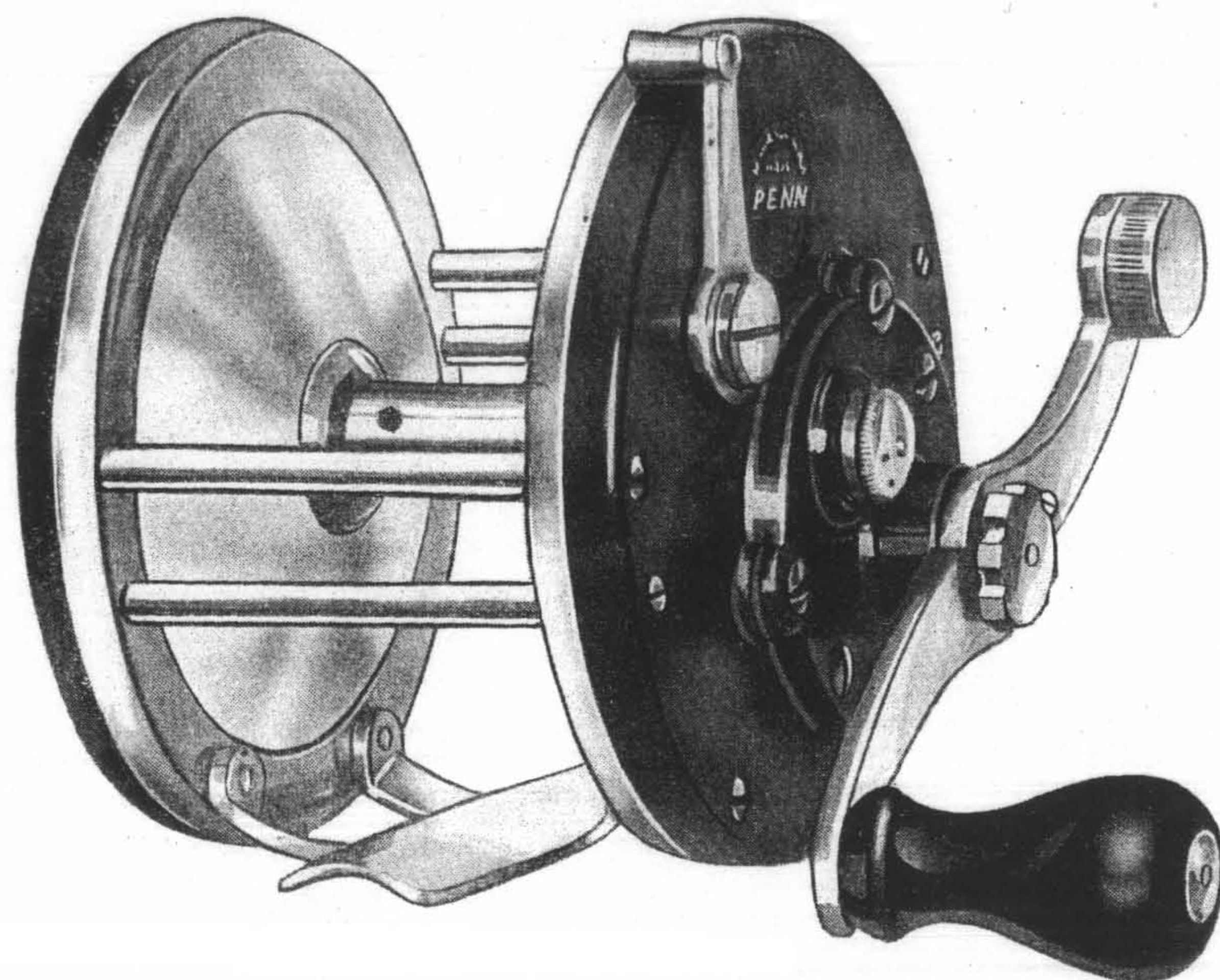
SPECIFICATIONS

No. and Size of Reel	Line Capacity in Yards				Gear Ratio	Plate Diam.	Spool Width	Weight of Reel	Price Each
	No. 6	No. 9	No. 12	No. 15					
No. 61—100 Yds.	200	125	110	100	3 to 1	3 1/16"	1 7/16"	14 1/2 oz.	\$5.00
No. 62—150 Yds.	250	150	125	110	3 to 1	3 1/16"	1 5/8"	16 oz.	5.50
No. 63—200 Yds.	300	200	150	125	3 to 1	3 1/16"	1 3/4"	16 1/2 oz.	6.00
No. 60—250 Yds.	375	250	190	150	2 1/2 to 1	3 1/4"	1 13/16"	17 1/2 oz.	6.50
No. 65—300 Yds.	450	300	225	190	2 1/2 to 1	3 1/4"	2 1/8"	19 oz.	7.00
No. 66—400 Yds.	600	400	300	250	2 1/2 to 1	3 3/8"	2 1/8"	21 oz.	8.00

MANUFACTURERS OF SALT WATER REELS EXCLUSIVELY

FREE SPOOL SURF CASTING REEL

BAYSIDE



FOR SURF AND LIGHT TACKLE FISHING

Patent Nos. 1940593-1952756

The *Bayside* is a free spool surf casting and salt water reel and made for the fishermen who prefer a high grade reel without a Star Drag. This reel is made in five sizes for light tackle fishing and surf casting. The open top of the frame gives greater freedom in thumbing the spool when casting. The non-strip gears are spiral cut for greater strength. Side plates are reinforced with metal bands. Free spool lever is conveniently located on rim. The oversize handle is fitted with a locking device to provide against handle working loose. Reel is equipped with sandproof and waterproof lubricating nipples and a lubricating set is furnished with every reel. Metal parts are hand-polished and chrome-plated. Details of construction on pages 2 and 3.

SPECIFICATIONS

No. and Size of Reel	Line Capacity in Yards				Gear Ratio	Plate Diam.	Spool Width	Weight of Reel	Price Each.
	No. 6	No. 9	No. 12	No. 15					
No. 51—100 Yds.	200	125	100	75	3 to 1	3"	1 7/8"	13 1/2 oz.	\$3.75
No. 52—150 Yds.	250	150	125	100	3 to 1	3"	1 5/8"	15 oz.	4.00
No. 53—200 Yds.	300	200	150	125	3 to 1	3"	1 3/8"	15 1/2 oz.	4.25
No. 50—250 Yds.	375	250	185	150	2 1/2 to 1	3 1/4"	1 1/2"	16 1/2 oz.	4.50
No. 55—300 Yds.	450	300	225	175	2 1/2 to 1	3 1/4"	2 1/8"	18 oz.	4.75

PENN FISHING TACKLE MFG. CO., 159 W. Lehigh Ave., PHILADELPHIA, PA.

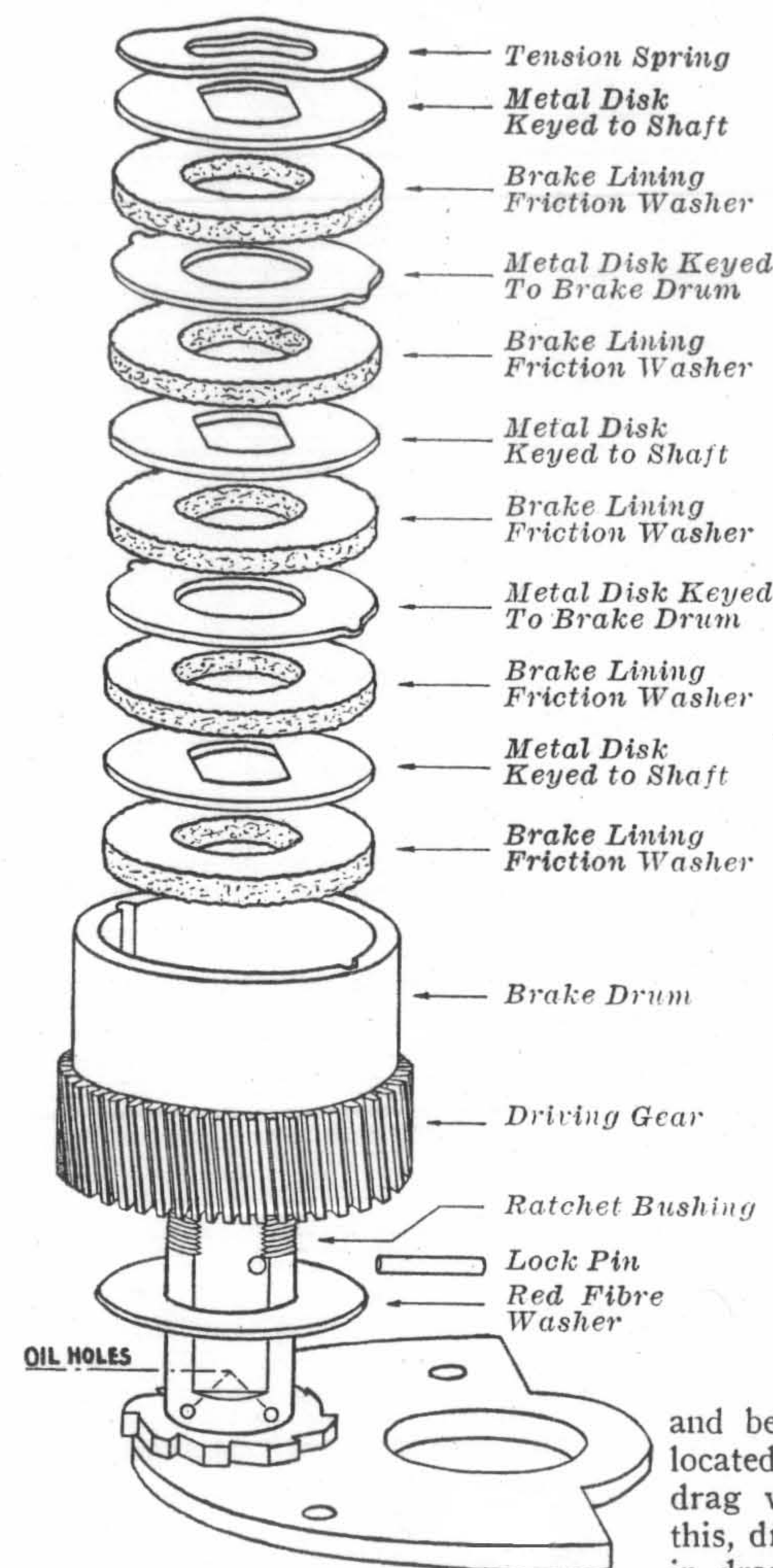
CONSTRUCTION OF SENATOR STAR DRAG

THE 12/0 SENATOR STAR DRAG

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

DIRECTIONS FOR ASSEMBLING

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



TO REMOVE FRICTION WASHERS

Without taking reel apart

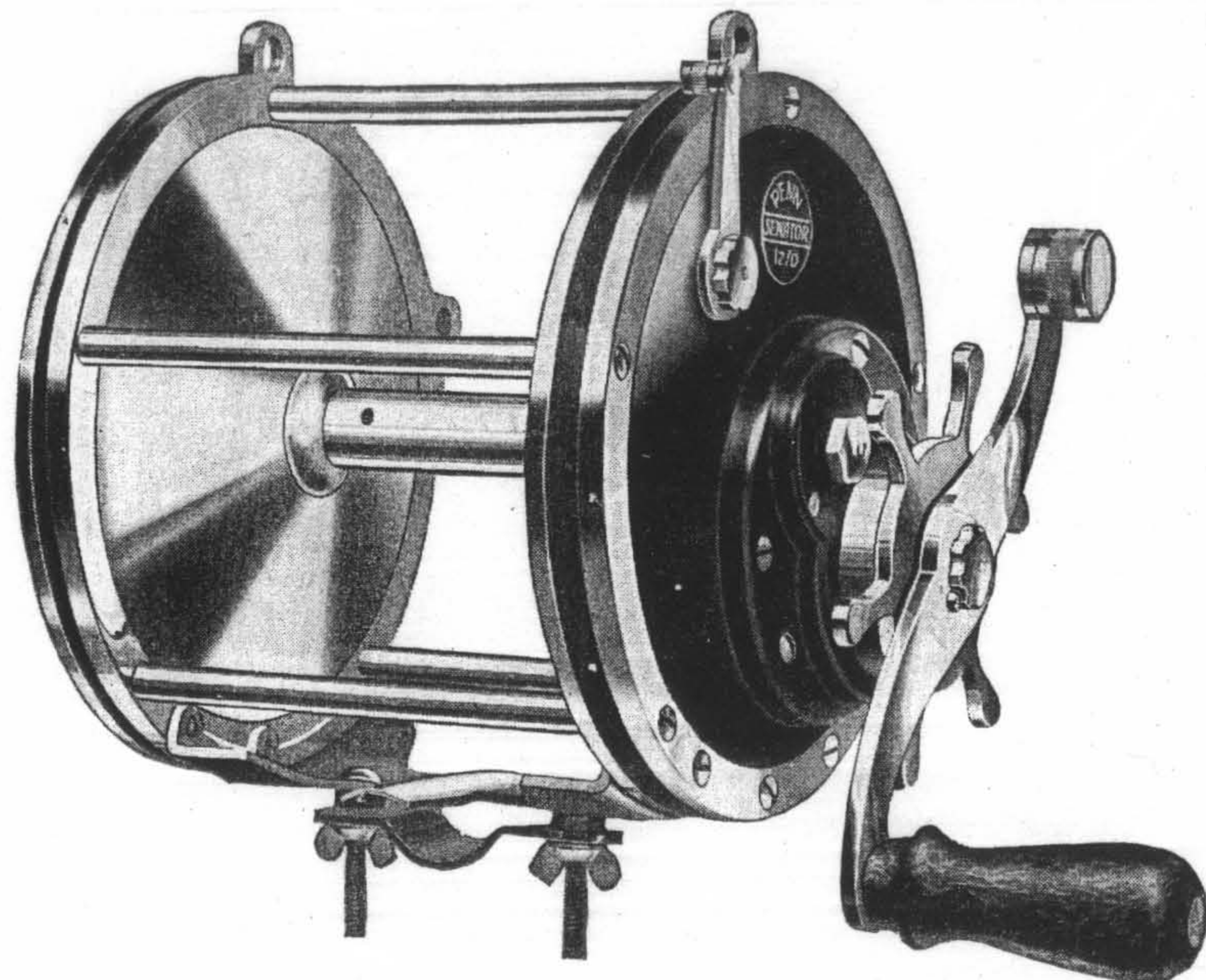
Take off handle (instructions on page 3) unscrew the star wheel and the friction washers can be removed for inspection or replacing. The asbestos friction washers cannot burn up and don't need any attention. Should it ever be necessary to take up on the star wheel due to wearing down of the brake lining, this is easily done by the addition of an extra washer, either asbestos or metal. Do *not* lubricate the friction washers, as they work best dry. An oily brake will cause a slipping and jerking drag.

MANUFACTURERS OF SALT WATER REELS EXCLUSIVELY

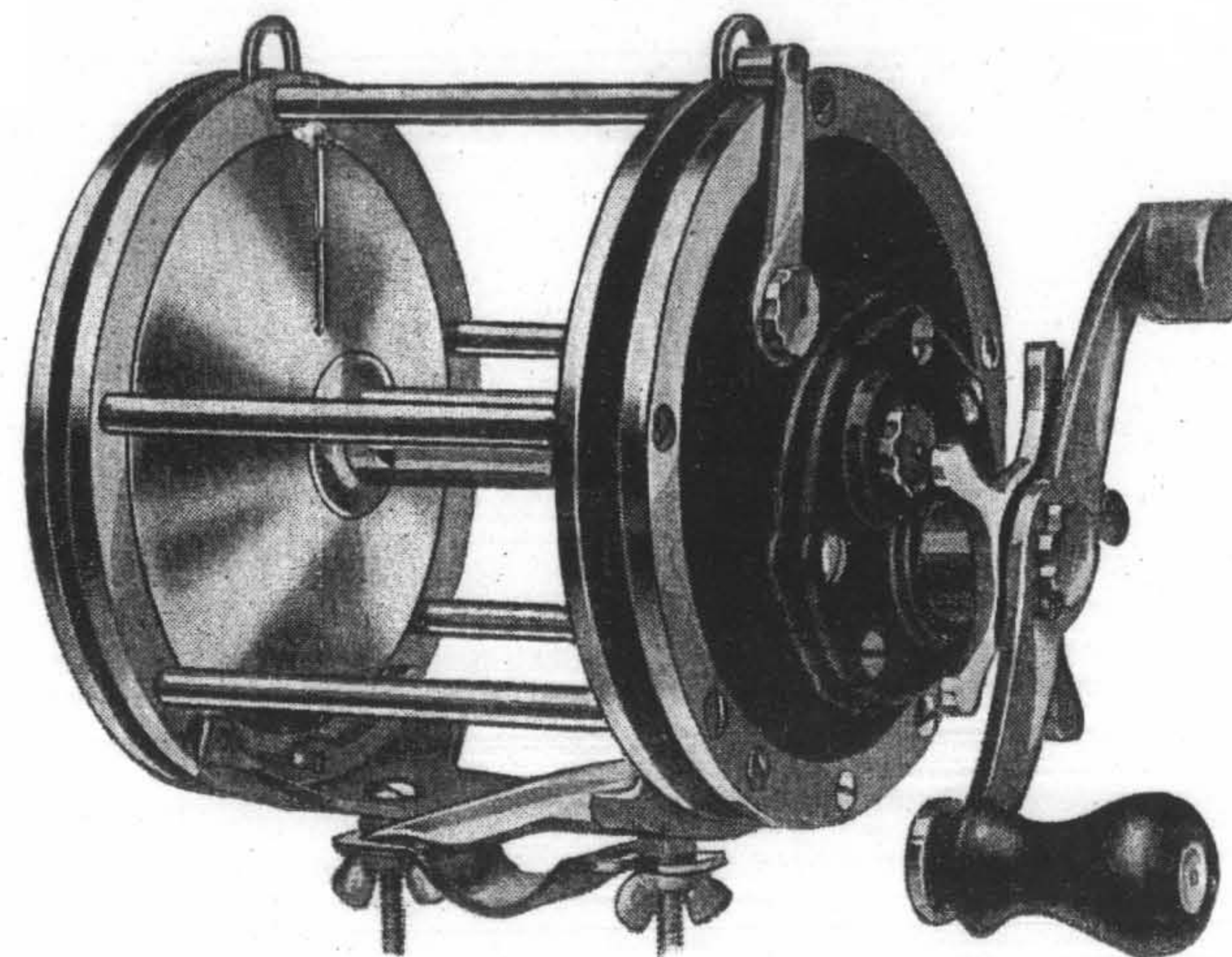
The Standard Big Game Fish Reel

Within Everybody's Reach

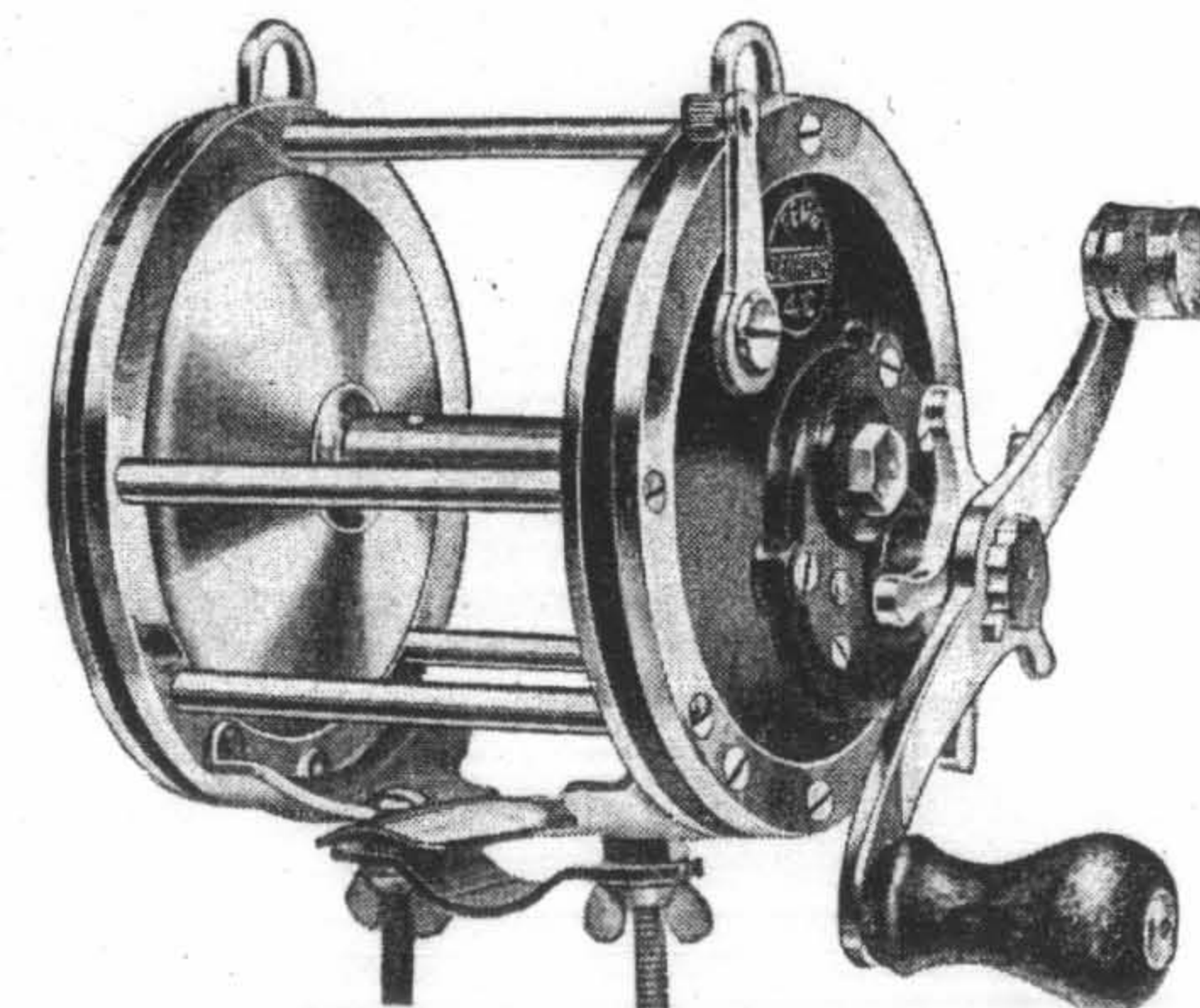
Pat. Dec. 19, 1933—March 27, 1934



12/0-600 Yards, No. 39 Line
Heavy Trolling



9/0-500 Yards, No. 21 Line
Medium Trolling



4/0-300 Yards, No. 15 Line
Light Trolling

The *Senator* reels are designed for game fish trolling and made in four sizes for light, medium and heavy trolling. All models are equipped with harness lugs to provide for the use of a shoulder harness. The No. 116 reel is fitted with forward lugs to brace reel to rod. A rod clamp attachment insures rigidity under all conditions. All models are equipped with our patented *Free Spool Clutch* and can be thrown into free spool or drag instantly and without danger of stripping gears. (Details on page 2.) The *Star Drag* is non-freezing and of tremendous braking power. (Construction of drag on pages 3 and 9). The *non-strip* driving gears are spiral cut and double multiplying. Working parts are either phosphor-bronze or stainless steel and 100 per cent salt waterproof. Side plates are reinforced with double metal bands. Handles are of oversize and fitted with our locking device. (See page 3). Frame is made of German-silver and chrome-plated. Our *One Shot* lubrication (illustration on page 3) combined with the built-in oil reservoirs safeguards perfect performance and prevents freezing of the reel. (See our testing device on page 20).

Details of construction on pages 2, 3 and 9.

SPECIFICATIONS

No. of Reel	Size of Reel	Style of Trolling	Plate Diam.	Spool Width	Weight of Reel	Price Each	Leather Case
No. 113	4/0	Light	3 $\frac{5}{8}$ "	2 $\frac{7}{16}$ "	1 $\frac{3}{4}$ lbs.	\$17.50	\$7.50
No. 115	9/0	Medium	4 $\frac{5}{8}$ "	3 $\frac{1}{4}$ "	3 $\frac{1}{2}$ lbs.	27.50	10.00
No. 116A	10/0	Med. Heavy	5 $\frac{3}{4}$ "	3 $\frac{1}{4}$ "	5 lbs.	45.00	14.00
No. 116	12/0	Heavy	5 $\frac{3}{4}$ "	4"	5 $\frac{1}{2}$ lbs.	50.00	14.00

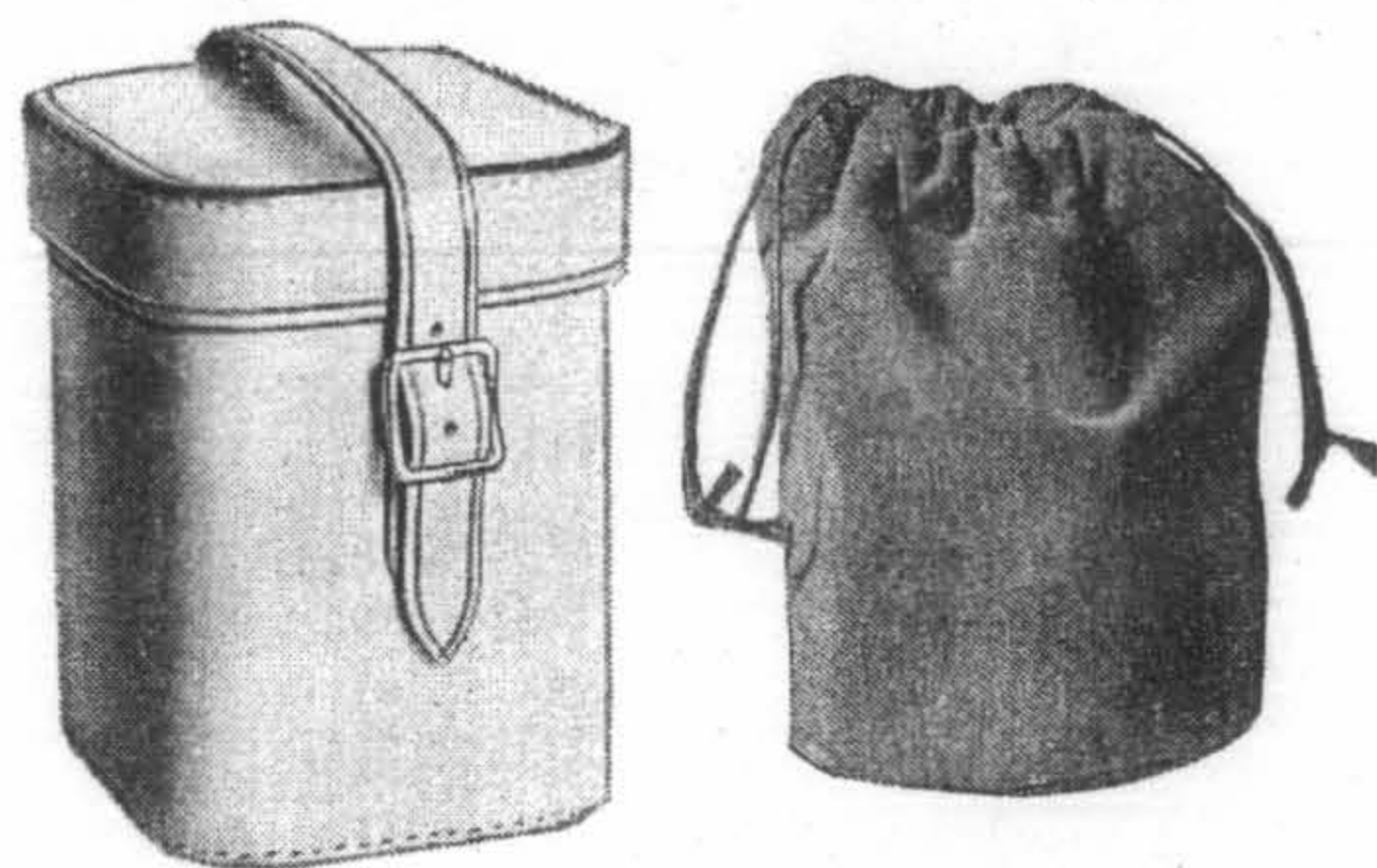
Left hand models at extra cost of \$2.00.

LINE CAPACITY IN YARDS

No. of Reel	Number of Line							
	No. 12	No. 15	No. 18	No. 21	No. 24	No. 30	No. 39	No. 54
113—4/0	400	300	250	200				
115—9/0			600	500	450	400		
116A—10/0				700	600	500		
116—12/0					950	750	600	450

REEL CASES FOR SENATOR REELS

SOLID LEATHER REEL CASE INCLUDING BAG

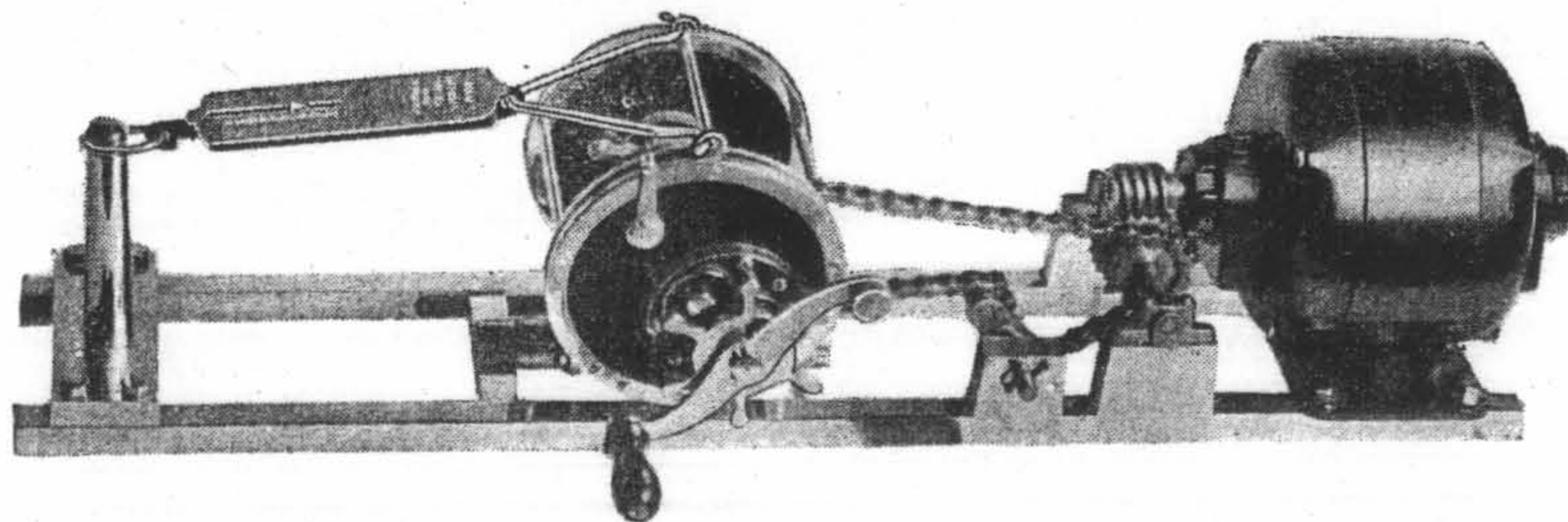


FOR SENATOR REELS

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

Price.....Size 4/0, \$7.50; Size 9/0, \$10.00; Size 12/0, \$14.00

PENN REEL TESTING MACHINE



This testing machine provides for testing of all the vital parts of the reel, such as gears, bearings, spindles, drag, click, springs and other parts. The reel is mounted on a slide and driven by an electric motor and the actual strain is registered by a scale. This machine enables us to select the best suited materials for the construction of our reels, thereby adding an extra protection for the user of PENN REELS.

LOS ANGELES, CAL.

PENN FISHING TACKLE MFG. CO.,
159 W. Lehigh Ave.,
Philadelphia, Pa.

DEAR SIRs:

Accompanying this letter I am sending a photograph of a 245 pound Marlin Swordfish, taken off Point Loma, California, August 27th on Catalina Tuna Club regulation tackle with my Penn Senator reel. This fish was landed after a fight lasting four hours and thirty minutes.

I have registered this season four prize fish all taken on Penn reels, not to mention the ones taken last year on the same make of reel.

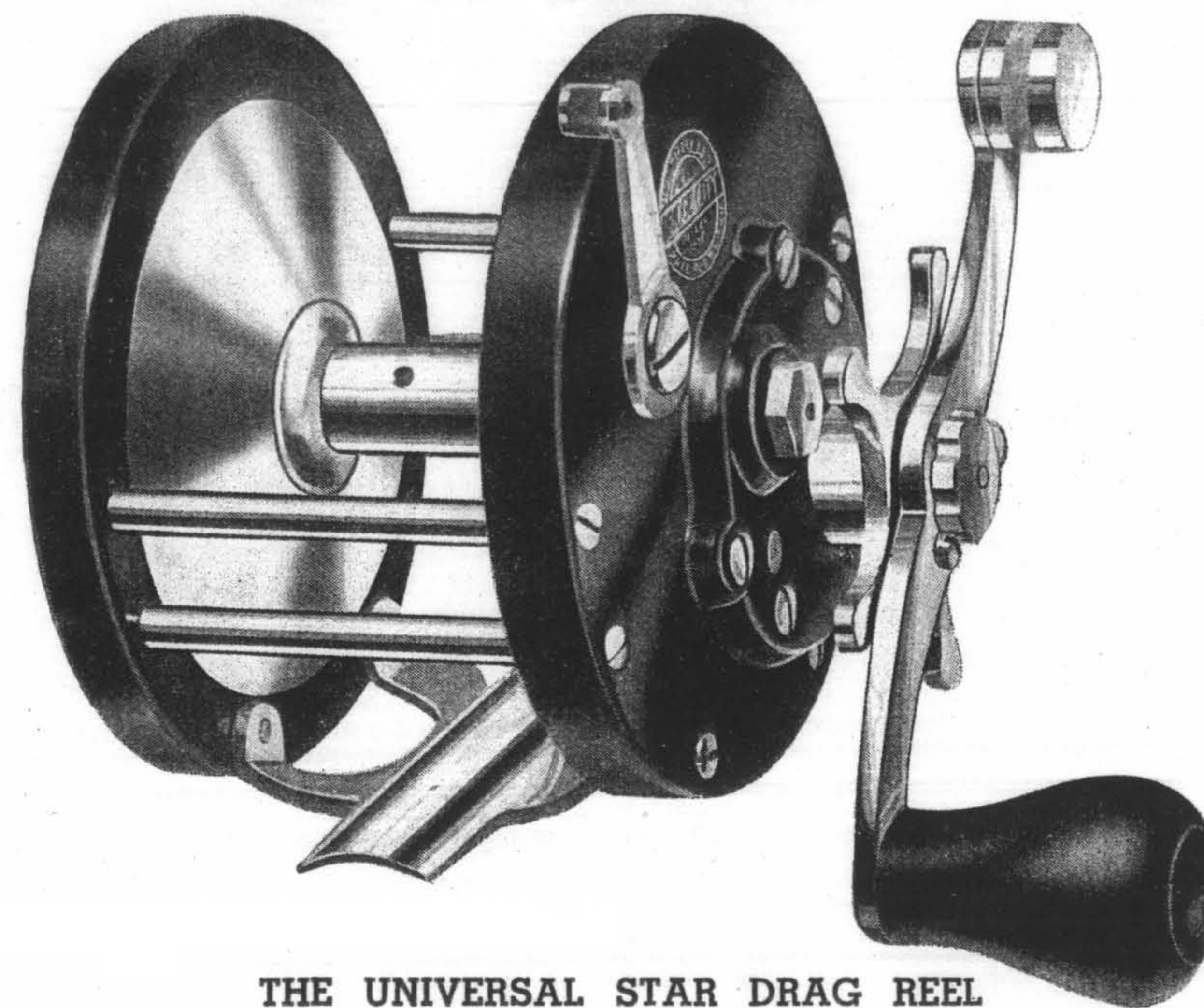
Yours truly,
WILLIAM BEHR



PENN FISHING TACKLE MFG. CO., 159 W. Lehigh Ave., PHILADELPHIA, PA.

STAR DRAG SALT WATER REEL

BRIDGE CITY



THE UNIVERSAL STAR DRAG REEL

Patent Nos. 1940593-1952756

The *Bridge City* is an inexpensive Star Drag reel of sturdy construction. Made in three sizes for surf, deep sea, trolling and light tackle fishing. Equipped with a powerful and smooth acting Star Drag, designed to tackle game fish. Drag is adjustable to a very fine degree by star wheel on handle. Free spool clutch is operated by a conveniently located *Snap* lever on rim and drag can be applied *instantly* without danger of stripping gears, as the driving gears *always* remain in mesh. Another feature is the open top frame, which allows greater freedom in thumbing the spool when casting. Our *One Shot* lubricating system guarantees good performance and long life of the reel. Gear grease and spindle oil is furnished with every reel, also a combination wrench and screw driver. Frame of this reel is made of brass, hand-polished and chromium-plated. Details of construction on pages 2 and 3.

SPECIFICATIONS

No. and Size of Reel	Line Capacity in Yards				Gear Ratio	Plate Diam.	Spool Width	Weight of Reel	Price Each
	No. 6	No. 9	No. 12	No. 15					
No. 102—150 Yds.	250	150	125	100	3 to 1	3"	1 5/8"	15 oz.	\$4.00
No. 100—250 Yds.	375	250	185	150	2 1/2 to 1	3 1/4"	1 3/8"	16 1/2 oz.	4.50
No. 105—300 Yds.	450	300	225	175	2 1/2 to 1	3 1/4"	2 1/8"	18 oz.	5.00

BAYHEAD STAR DRAG REEL

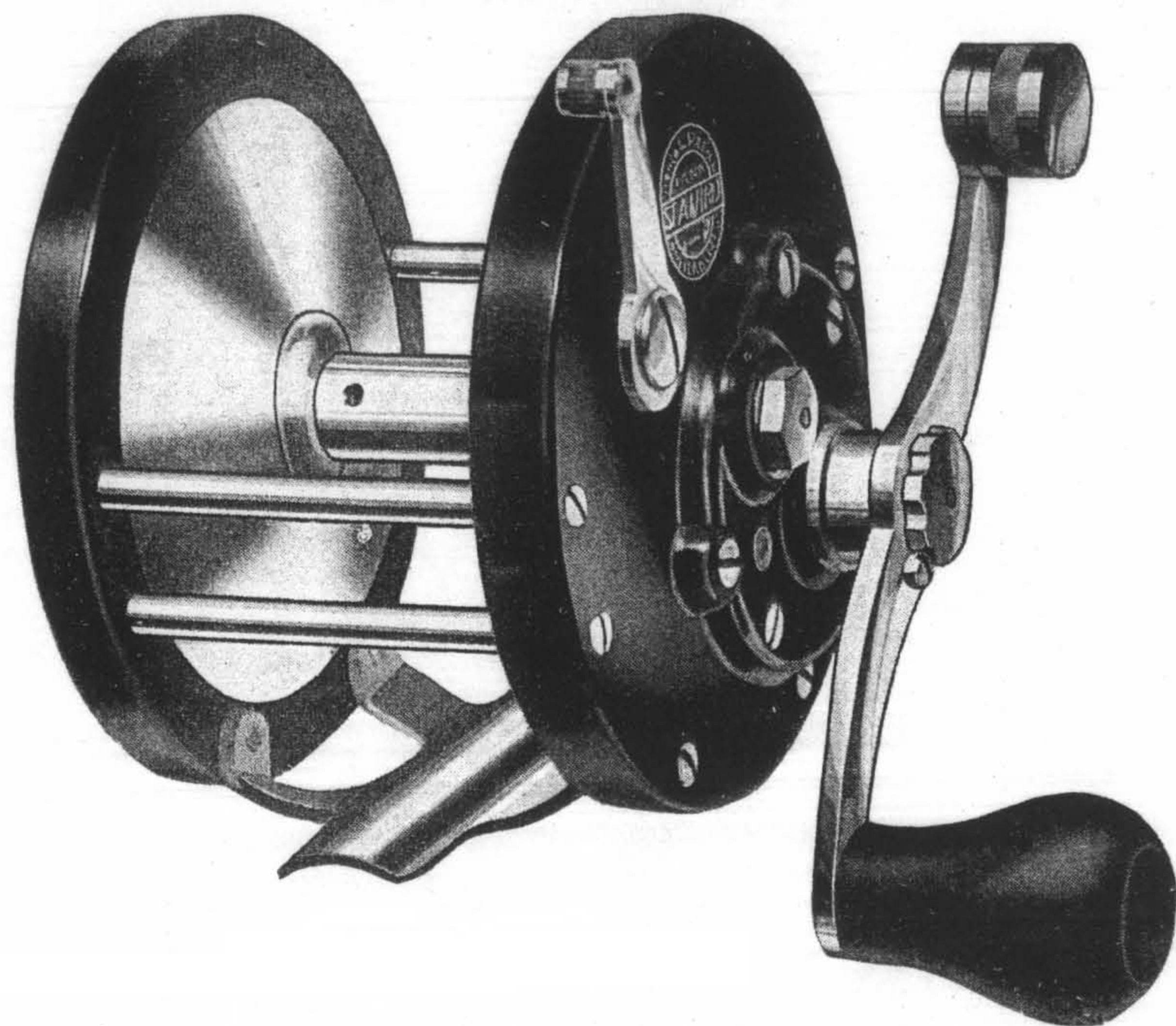
Same specifications as above but finished in tumbled chrome.

No. 107—250 Yards.....Price \$3.75
No. 108—300 Yards.....Price 4.25

MANUFACTURERS OF SALT WATER REELS EXCLUSIVELY

FREE SPOOL SURF CASTING REEL

SEAFORD



THE POPULAR FREE SPOOL REEL

Patent Nos. 1940593-1952756

The *Seaford* is an inexpensive free spool surf casting and salt water reel and is made for the fisherman who does not want a Star Drag reel. Made in three sizes for light tackle fishing and surf casting. Frame is built with double side pillars and the top left open for greater freedom in thumbing spool when casting. Free spool is operated by a *Snap* lever on rim. Gears are spiral cut and *cannot* strip. Spool bearing is adjustable to take up any spool end-play. The S shaped handle is equipped with a locking device and cannot work loose. Our *One Shot* lubricating system permits oiling and greasing without the need of any tools. A lubricating set and a combination wrench and screw driver is furnished with every reel. Metal parts of this reel are hand-polished and chrome-plated. Details of construction on pages 2 and 3.

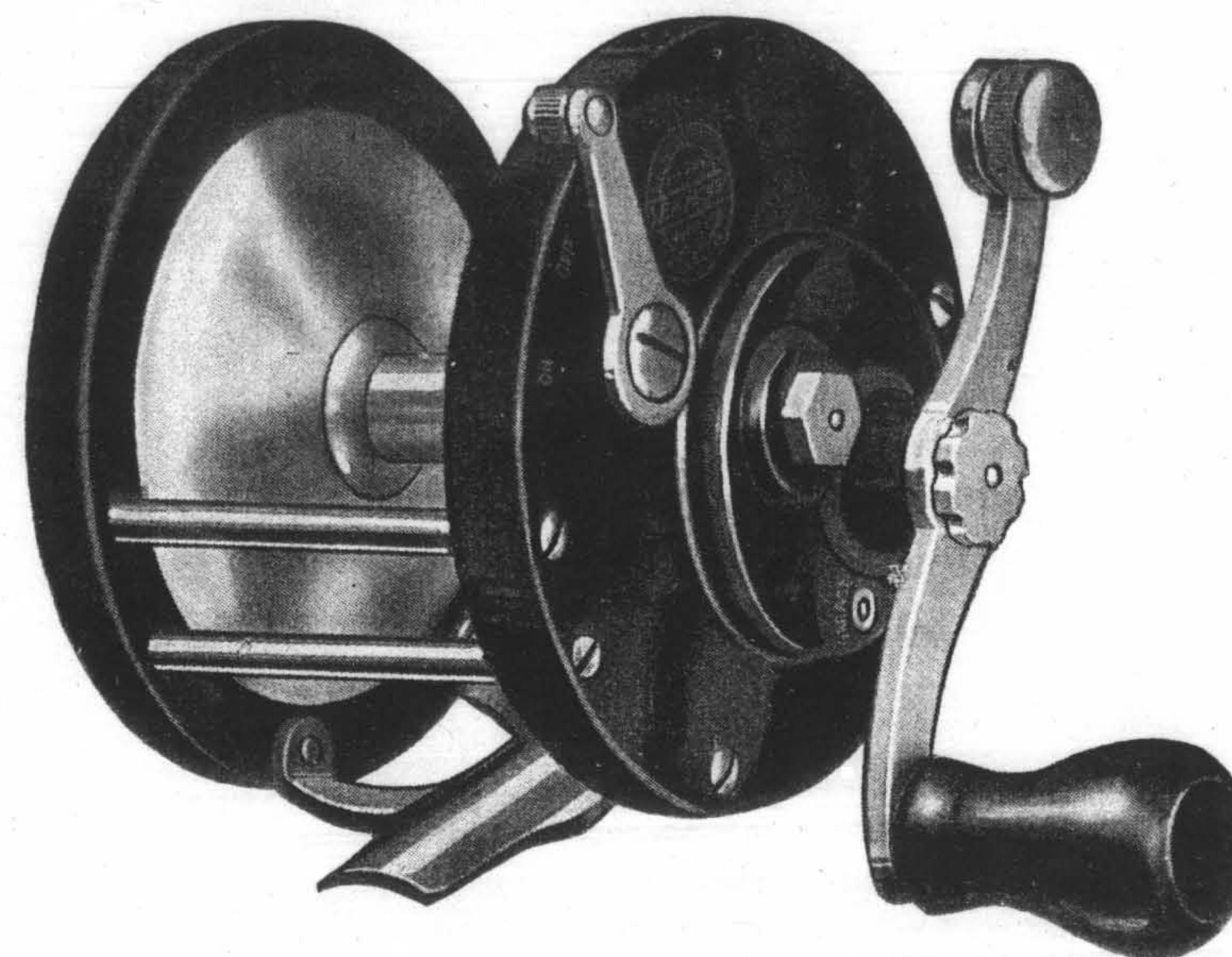
SPECIFICATIONS

No. and Size of Reel	Line Capacity in Yards				Gear Ratio	Plate Diam.	Spool Width	Weight of Reel	Price Each
	No. 6	No. 9	No. 12	No. 15					
No. 72—150 Yds.	250	150	125	100	3 to 1	3"	1 5/8"	14 oz.	\$3.00
No. 70—250 Yds.	375	250	185	150	2 1/2 to 1	3 1/4"	1 3/8"	15 1/2 oz.	3.50
No. 75—300 Yds.	450	300	225	175	2 1/2 to 1	3 1/4"	2 1/8"	17 oz.	3.75

PENN FISHING TACKLE MFG. CO., 159 W. Lehigh Ave., PHILADELPHIA, PA.

FREE SPOOL SALT WATER REEL

SEAHAWK



For BAY, PIER and DEEP SEA FISHING

The *Seahawk* is a low priced free spool, sturdily constructed reel. Made in 150 yard size for bay fishing and in 250 yard and 300 yard size for outside fishing. Free spool clutch is operated by *Snap* lever on rim. The spiral gears are double multiplying and *cannot* strip. An adjustable click is fitted on back plate. Any spool end-play can be taken up by the adjustable bearing. Reel can be oiled and greased from the outside and a PENN lubricating set is furnished with every reel. Side plates are genuine moulded bakelite; metal parts are hand-polished and chromium-plated. A combination wrench and screw driver is packed with every reel. Details of construction on pages 2 and 3.

SPECIFICATIONS

No. and Size of Reel	Line Capacity in Yards				Plate Diam.	Spool Width	Weight of Reel	Price Each
	No. 6	No. 9	No. 12	No. 15				
No. 42—150 Yds.	250	150	125	100	3"	1 5/8"	12 oz.	\$2.50
No. 40—250 Yds.	375	250	185	150	3 1/4"	1 3/8"	14 oz.	2.75
No. 45—300 Yds.	450	300	225	175	3 1/4"	2 1/8"	15 oz.	3.00

ANGLESEA FREE SPOOL REEL

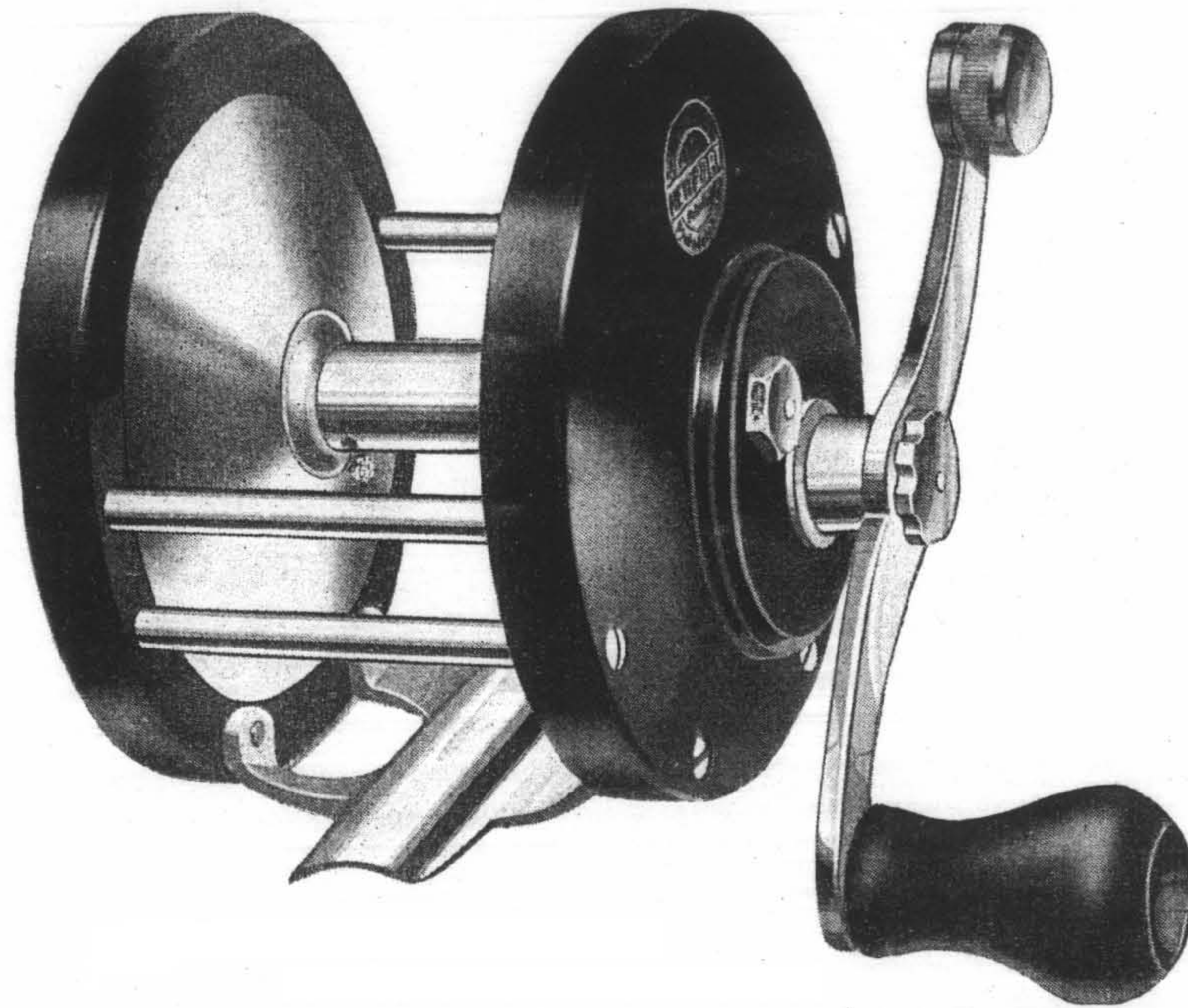
Same specifications as *Seahawk Reel* but finished in tumbled chrome.

No. 47—250 Yards.....\$2.50 No. 48—300 Yards.....\$2.75

MANUFACTURERS OF SALT WATER REELS EXCLUSIVELY

SALT WATER REEL

NEWPORT



SALT WATER and LAKE TROLLING REEL

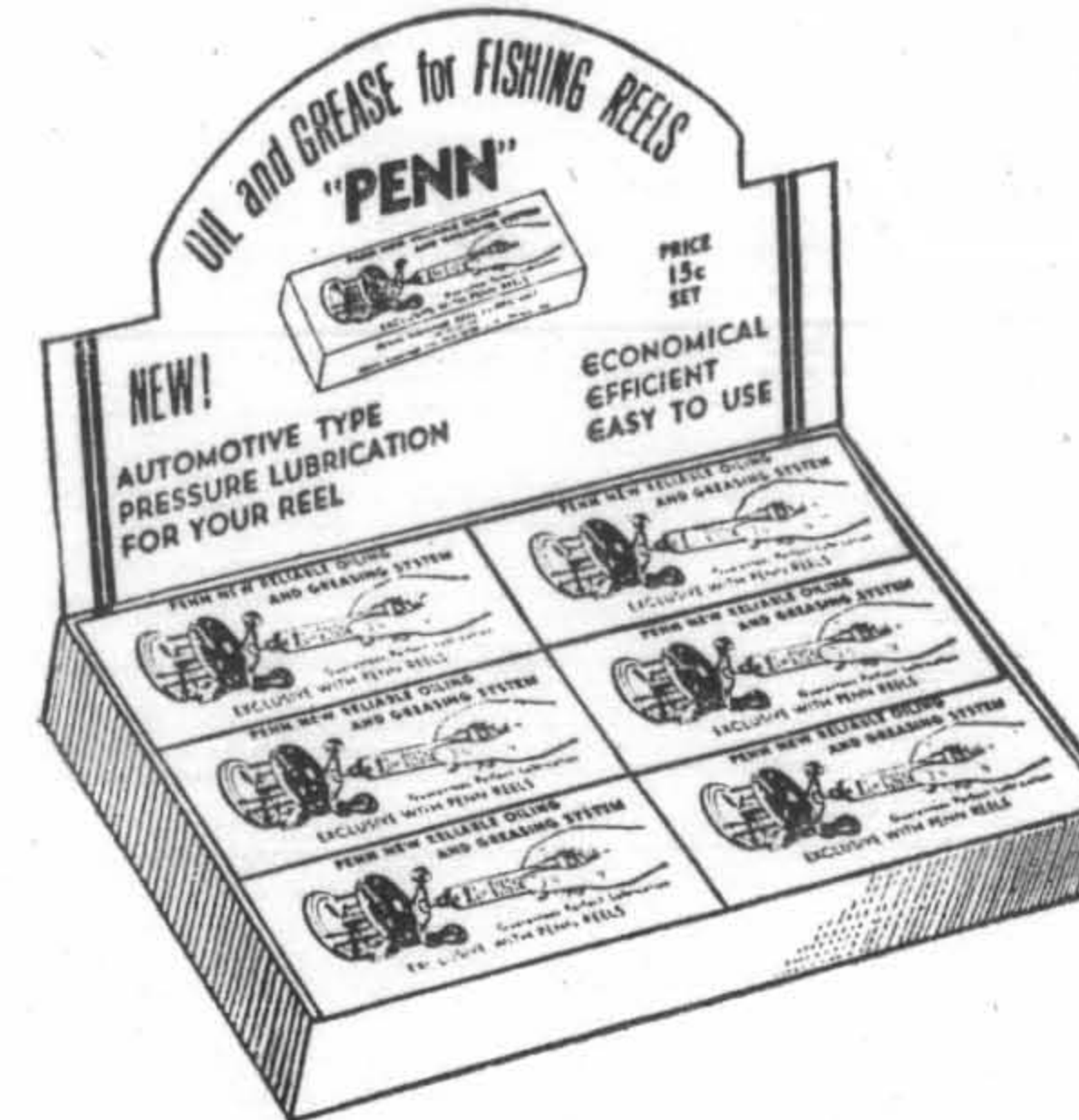
The *Newport* reel is a serviceable salt water reel of sturdy construction without the free spool arrangement. Made in two sizes for ocean and lake trolling and deep sea fishing. Equipped with adjustable click. The driving gears are spiral cut and double multiplying. Side plates are genuine molded bakelite. Spool bearings are adjustable to take up any end-play. Metal parts are made of brass, hand-polished and chromium-plated. Our *One Shot* lubrication provides for oiling and greasing without taking reel apart. A PENN lubricating set and a combination wrench and screw driver are furnished with every reel.

SPECIFICATIONS

No. and Size of Reel	Line Capacity in Yards				Gear Ratio	Plate Diam.	Spool Width	Weight of Reel	Price Each
	No. 6	No. 9	No. 12	No. 15					
No. 32—150 Yds.	250	150	125	100	2½ to 1	3"	1⅝"	11½ oz.	\$2.25
No. 30—250 Yds.	375	250	185	150	2 to 1	3¼"	1⅞"	13 oz.	2.50

PENN FISHING TACKLE MFG. CO., 159 W. Lehigh Ave., PHILADELPHIA, PA.

Miscellaneous Items



PENN REEL LUBRICANTS

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

No. 25—Price, 15 cents each.
Packed one dozen in display carton



No. 20—FISHSCALER

Price, 5 cents each

Made of heavy gauge, rustproofed steel for your tackle box and for kitchen use. Packed one dozen in carton.



No. 11 REEL BAG

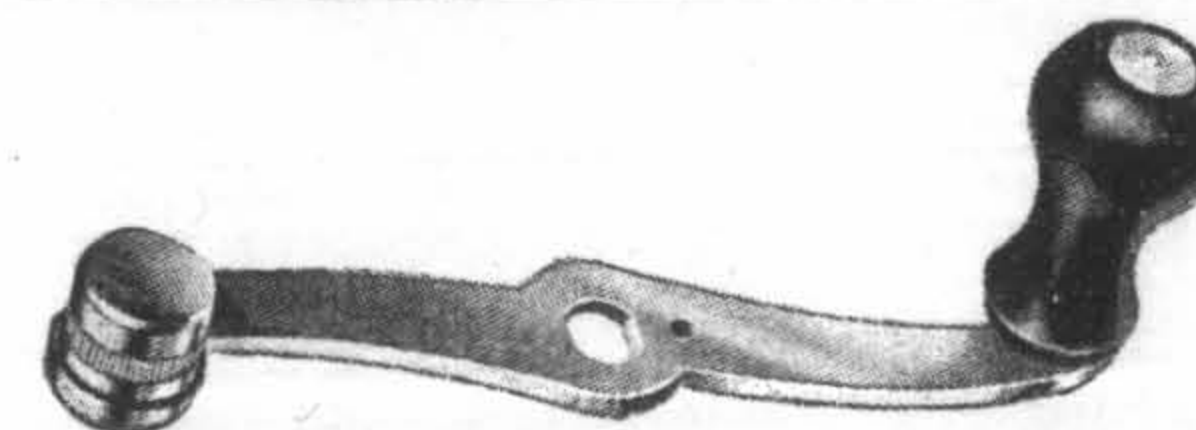
Price.....Size 4/0, 75 cents; Size 9/0, \$1.00; Size 12/0, \$1.50

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



REPAIRMAN'S KIT No. 6

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



OVERSIZE REEL HANDLE

This handle is 4⅝" overall length and fits all of our 250 yard and 300 yard reels.

No. 13—Price, 75 cents

MANUFACTURERS OF SALT WATER REELS EXCLUSIVELY

The Care of the Reel

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

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

LUBRICATING WITHOUT TAKING REEL APART

With our patented *One Shot* lubrication (See page 3) it is an easy matter to thoroughly oil and grease your reel. A lubricating set, consisting of one tube of spindle oil and one tube of gear grease is furnished *free* with every PENN reel. Simply insert the spout of the tube into the sealing ball oilers and by squeezing the tube at the bottom the oil is *forced under pressure* to the bearings, thus eliminating all guesswork in lubrication.

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

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

CLEANING THE REEL

Should sand get into your reel, take the reel apart and wash the parts with gasoline or kerosene, allowing them to dry before oiling. Our *Take Apart* reels can easily be taken apart (See instructions on page 2). On all other models remove the plate screws and the reel will come apart. A combination wrench and screw driver is packed with every PENN reel. For reassembling, see instructions on pages 2 and 3.

THE SERVICING OF THE REEL

Due to the watch-like mechanism of our reels, we do not advise taking reel apart for any other purpose than cleaning. For repairs, we recommend taking the reel to an experienced repairman or sending the reel back to the factory. We will gladly replace parts and put the reel in perfect working condition at a very low cost. For the expert our instructions on pages 2, 3, 4 and 17 will be very helpful.

REPAIR PARTS

Greatest care is given to standardization of all parts wherever possible. Therefore, most parts are standard size and *interchangeable* regardless of type or size of the reel—a feature which has never before been accomplished in the reel industry. This factor is of utmost importance in the servicing and economy of the reel. For the repairman our assortment of parts listed on page 29 is very helpful.

THE CARE OF THE LINE

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

Helpful Tips for the Fisherman

TO FIND LINE CAPACITY OF THE REEL

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

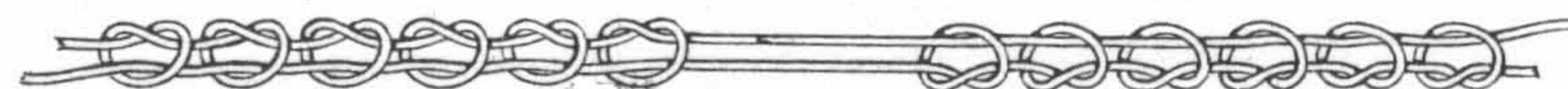
You know reel holds 300 yds. of number 9 line.

You want to find the capacity of number 12 line.

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

EMERGENCY REPAIRING OF BROKEN LINE

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



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

FISHERMEN'S KNOTS

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



Turtle knot
For eyed hooks



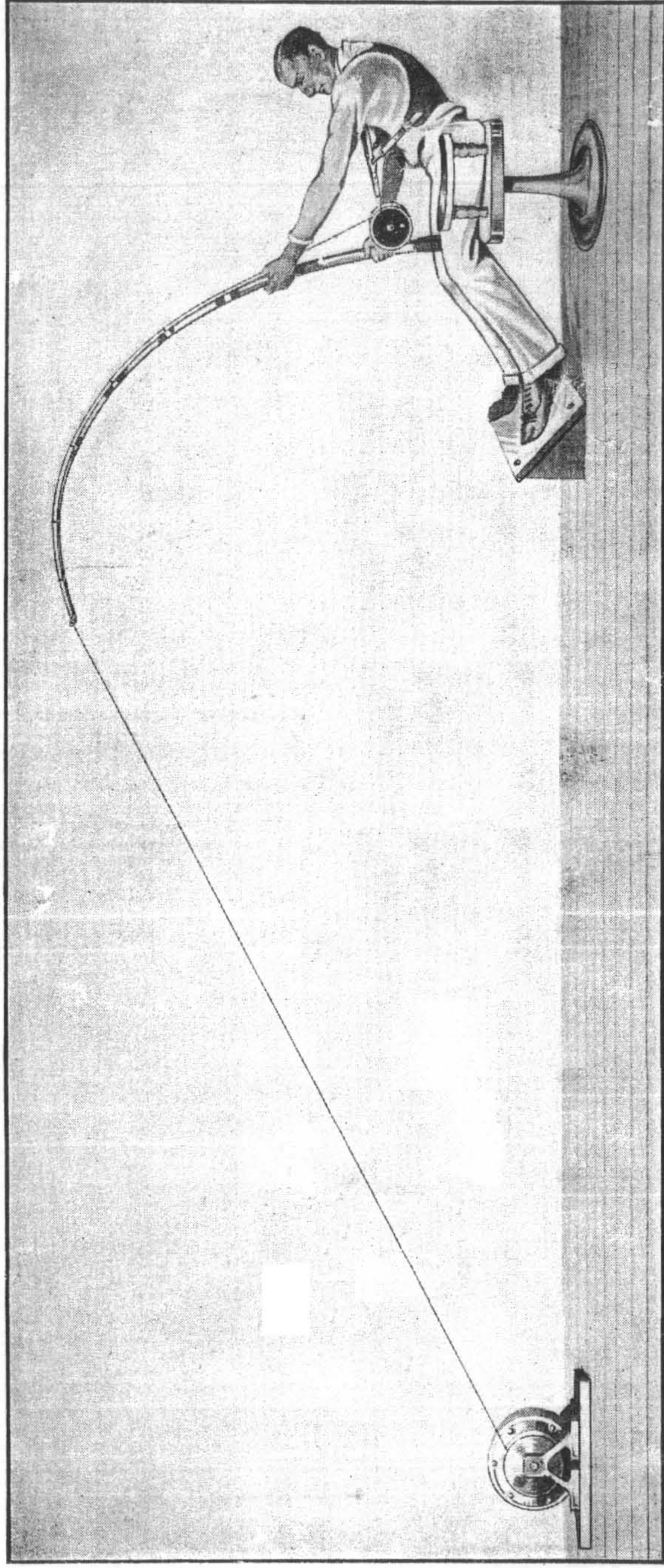
Compound knot
Loop for line or leader



Twist knot
For tying gut leader



Wedge
For tying line to swivel



THE UNIQUE TESTING OF PENN REELS

This testing equipment enables us to test our reels *under more trying conditions* than actual fishing. The runs of the fish are imitated by a motor driven drum taking the line off the reel in much the same manner as a fighting fish. The line is taken off the reel in one run against a tight drag and the test repeated several times. The excessive line *slid* and the enormous amount of drag in this test is very much greater than anything which the reel can ever be called upon to withstand in actual fishing. This severe factory test, combined with our unlimited guarantee, safeguards the *user of PENN REELS against any conditions that are likely to arise in actual fishing.*