

No. 849,231.

PATENTED APR. 2, 1907.

F. C. GORHAM.
REEL SEAT.

APPLICATION FILED DEC. 23, 1905.

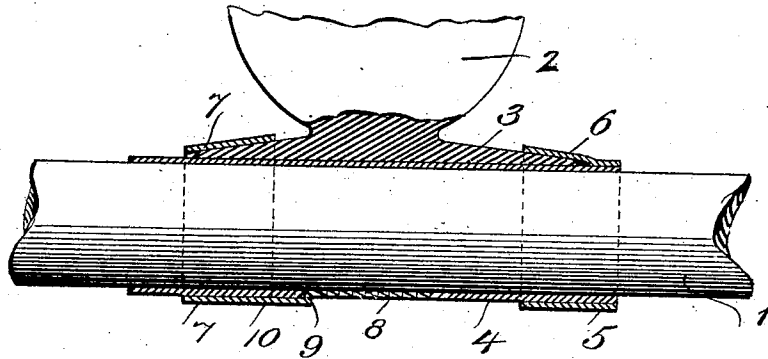


Fig. 1.

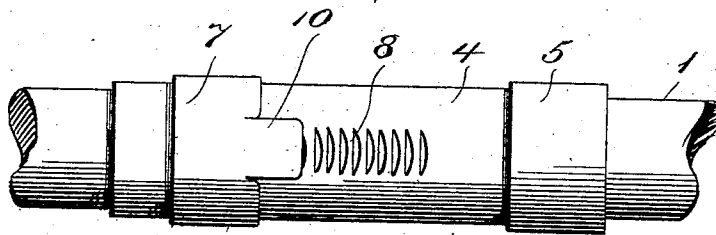


Fig. 2.

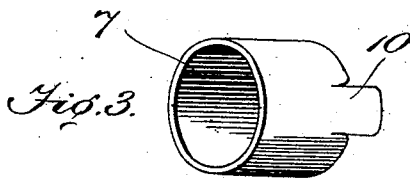


Fig. 3.

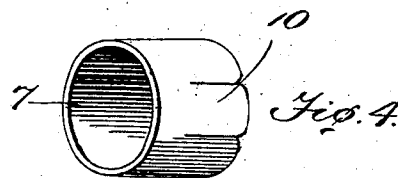


Fig. 4.

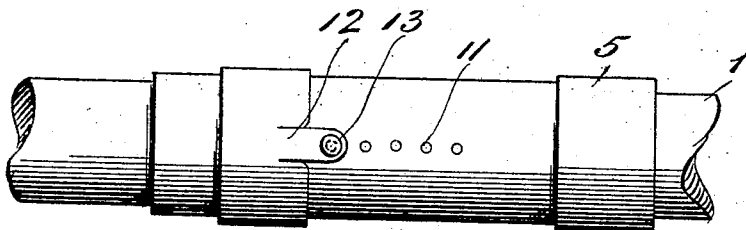


Fig. 5

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UNITED STATES PATENT OFFICE.

FRANK C. GORHAM, OF NEW YORK, N. Y.

REEL-SEAT.

No. 849,231.

Specification of Letters Patent.

Patented April 2, 1907.

Application filed December 23, 1905. Serial No. 293,101.

To all whom it may concern:

Be it known that I, FRANK C. GORHAM, a citizen of the United States, residing in the city, county, and State of New York, have invented a Reel-Seat, of which the following is a specification.

The principal objects of the invention are to produce a very simple and inexpensive construction of reel-seat which is adapted to securely retain upon the rod the usual commercial form of reel in such manner that while the reel is perfectly secure and immovable, yet the construction of seat is such that by a very simple operation or manipulation of its parts the said reel may be removed or applied and securely locked, as the case may be.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings, Figure 1 is an elevation in part of a pole provided with a reel-seat embodying my invention and holding a reel thereon, the reel-seat being shown in longitudinal section. Fig. 2 is a bottom elevation of the pole thus provided. Fig. 3 is a detail in perspective of the slidable locking-band. Fig. 4 is a slightly-modified construction of the same. Fig. 5 is a view similar to Fig. 2, showing a slight modification.

Similar numerals of reference indicate similar parts throughout the drawings.

The pole 1, reel 2, and the base 3 of the latter are all of the conventional form—that is to say, the reel-base is concaved longitudinally upon its under side to correspond with the rod or pole and is tapered at its outer side and opposite ends.

At a suitable point upon and near the butt of the rod or pole is located and secured the metallic sleeve 4, slightly longer than the base 3 of the reel and provided with the usual raised ribs (not shown) for engaging the sides of the base 3 or any other devices employed and adapted for a similar purpose.

At one end of the sleeve 4—in this instance the front—there is located the metallic band 5, the upper side of which is slightly raised or offset, as at 6, to receive the front wedge-shaped end of the base 3 of the reel, and thus form an abutment or stop for the reel. At the opposite end—in this instance the rear end—of the sleeve 4 is located the removable slidable locking band or ring 7. This band

fits somewhat loosely upon the sleeve 4 and is designed to readily slip over and be forced upwardly upon the wedge-shaped end at that end of the base 3, the lightness of the metal and its resiliency permitting of this operation, so that these parts assume the position illustrated in Fig. 1, and as thus combined, as will be obvious, the reel-base is firmly secured in position. To release the reel, it is only necessary to draw the locking band or ring 7 backward or from over the wedge-like end of the base. It now merely remains to provide a convenient locking means for the locking band or ring 7. This may be accomplished by a variety of means, but preferably by one of such construction herein shown and to be described.

In the under side of the sleeve 4 or at some other convenient point, if preferred, I provide a longitudinally-disposed series of notches or teeth 8, which notches or teeth, it will be understood, may be formed in a variety of ways. In Figs. 1 and 2, however, notches are cut in the metal, the resulting teeth being thus abrupt at front and inclined at the back, so that an oppositely-formed locking-tooth intended to coact therewith will readily ride forward thereover and resist backward movement. Such a coacting tooth or pawl is formed at 9 upon the forward free end of a spring-tongue 10, that extends forwardly from the front edge of the locking band or ring 7 and over the series of teeth 8. This locking-pawl, it will be understood, may be formed integral with the locking-band 7 and produced by slitting the band somewhat deeply, as in Fig. 4, or only slightly, as in Fig. 3. So, too, may teeth 8 be produced in a variety of ways, such as stamping, punching, &c. In Fig. 5 simply holes 11 are punched in the sleeve 4 and the spring tongue or pawl 12 may be provided with a round engaging tooth 13, (see dotted lines,) designed to successively engage the same.

The operation will at once be understood. The reel-base having been positioned with its front end under the band 5, the locking-ring is slipped over the remaining end of the seat and forced forward until the reel becomes secure. During this operation the spring tongue or pawl will successively engage the teeth or notches 8 and finally lock with the one most convenient. To remove the reel, it is merely necessary to disengage the pawl from the tooth 8, engaged thereby, and slide

the band 7 rearward. This is preferably accomplished by giving the locking band or ring a slight rotary movement in either direction. In the construction shown in Fig. 5 the tooth is merely rounded to permit of this operation.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

- 10 1. The herein-described reel-seat, comprising the pole-receiving sleeve provided with a longitudinal series of inclined teeth, the abutting reel-base-receiving band at one end of said sleeve, and the slidable locking band or
15 ring adapted to slip over the end of the reel-base and provided at its front edge with a spring-tongue having a tooth inclined opposite to and adapted to engage the teeth of said sleeve.
- 20 2. The herein-described reel-seat, comprising the pole-receiving sleeve provided with a longitudinal series of teeth, an abutment at one end of the sleeve, and the slidable locking band or ring adapted to slip over the end of
25 the reel-base and provided with a spring-

tongue having a tooth adapted to engage and interlock with the teeth of said sleeve.

3. The herein-described reel-seat, comprising the pole-receiving sleeve, a reel-base-engaging means at one end, an engaging means
30 arranged in longitudinal alinement upon the sleeve, a rotatable locking band or ring, and means carried thereby for removably engaging said engaging means of the sleeve.

4. The herein-described reel-seat, comprising
35 the pole-receiving sleeve provided along its side with a series of teeth, a reel-base-receiving abutting ring at one end thereof, a reel-base-engaging flexible band or ring rotatably and slidably mounted on the other
40 end, and means carried by the band or ring for removably engaging the series of teeth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FRANK C. GORHAM.

Witnesses:

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