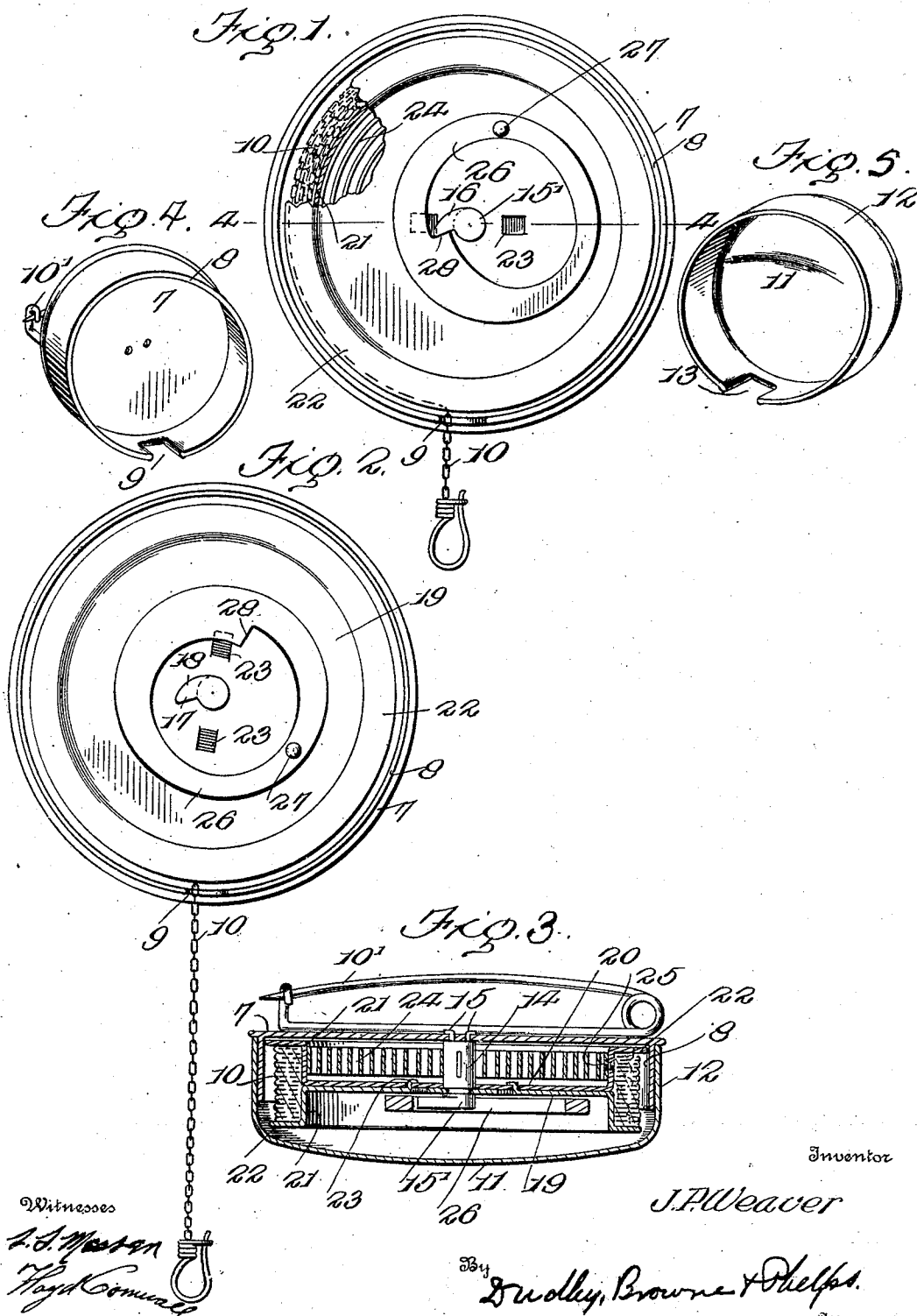


J. P. WEAVER,
REEL HOLDER.
APPLICATION FILED JUNE 1, 1909.

956,241.

Patented Apr. 26, 1910.



UNITED STATES PATENT OFFICE.

JOHN P. WEAVER, OF TERRE HAUTE, INDIANA.

REEL-HOLDER.

956,241.

Specification of Letters Patent.

Patented Apr. 26, 1910.

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To all whom it may concern:

Be it known that I, JOHN P. WEAVER, a citizen of the United States, residing at Terre Haute, in the county of Vigo and State of Indiana, have invented certain new and useful Improvements in Reel-Holders, of which the following is a specification.

My invention relates to certain new and useful improvements in reel holders, and it has for its object the production of a construction which is composed of few parts, is direct and positive in holding the reel against the tension of the spring, and one in which the holding pawl will be readily engaged by and disengaged from the pawl check.

With these and other objects in view my invention consists in certain constructions, combinations and arrangements of parts, several forms of which will be first described in connection with the accompanying drawings and then the invention particularly pointed out in the appended claim.

Referring to the drawings wherein the same part is designated by the same reference numeral wherever it occurs, Figure 1 is a top plan view, partly broken away, of a reel constructed in accordance with my invention, with the cover removed and the pawl in engagement with the pawl-check; Fig. 2 is a plan view with the cover removed, the pawl however being shown disengaged from the pawl-check; Fig. 3 is a section taken on line 4, 4 of Fig. 1. Fig. 4 is a perspective view of a back-plate of the casing with the reel structure entirely removed therefrom, and Fig. 5 is a perspective view of the cover.

7 designates a back-plate provided with an upwardly extending flange 8 having a notch 9 in one side thereof through which a chain 10 is adapted to pass. The back-plate 7 is provided with a fastening means secured to its back, such fastening means being shown as a safety pin 10'.

11 designates a cover provided with a flange 12, said flange being cut away at 13 to form an opening which is adapted to register with the opening 9 when the cover is placed in position.

14 is a post which is secured to the central portion of the back 7 in any suitable way, as by means of the pins 15, which extend from the bottom of the post and pass through openings in the back-plate and are then clenched as is best shown in Fig. 3. The

upper end of the post is provided with a head 15', from one side of which extends the pawl-check 16, said pawl-check being formed with a straight shoulder 17 and a curved portion 18.

As is best shown in Fig. 3, the reel proper is preferably formed from a pair of plates 19, 20, and from the periphery of which extends the right angle flanges 21, and 22 are flanges which extend outwardly at right angles from the flanges 21. It will be observed that each of these plates may be formed by a single stroke of a suitably constructed die. In order to form a reel the two plates are secured together with their flanges 21 extending in opposite directions, and in the construction shown the securing means consist of tongues 23 struck up from the plate 19, said tongues passing through suitable openings in the plate 20 and clenched, so that the two disks are firmly held together with the flanges 21 forming a barrel on which the chain 10 is wound while the flanges 22 extend out from the edges of the barrel to confine the chain thereon.

24 is a helical spring secured at one end to the post 14 or to the back-plate 7 in any desired manner, and at its outer end secured to the flange 21 in any desired manner, as by the rivet 25. This spring is of a width slightly less than the height of the flange 21, so that it will lie within the depression on one side of the reel and will tend to cause the chain to be wound upon the reel.

26 is a pawl pivoted at 27 and provided with a shoulder 28 adapted to engage with the pawl-check to hold the reel against rotation by the spring. This pawl is in the form of a ring, and is so pivoted that when the reel is revolved rapidly under the action of a notch the centrifugal force will throw the engaging shoulder 28 of the pawl out of the path of the pawl check, while when the reel is allowed to slowly revolve said pawl will drop onto the curved surface 18 of the pawl-check, and when the shoulder 28 comes around said shoulder will engage the shoulder 17 of the pawl-check.

I realize that considerable variation is possible in the details of construction and arrangement of parts without departing from the spirit of my invention, and I therefore do not intend to limit myself to the specific form shown and described except as required by the scope of the appended claim.

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

5 A reel holder comprising a back-plate, a post rigidly secured in the back-plate, a reel journaled on the post, a ring pivoted at one side to the reel, said ring being provided with an engaging shoulder on its inner surface, and a pawl-check extending within the

ring and adapted to be engaged by the 10 shoulder of the ring.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN P. WEAVER.

Witnesses:

WILSON H. SOALE,
ODELL WEAVER.