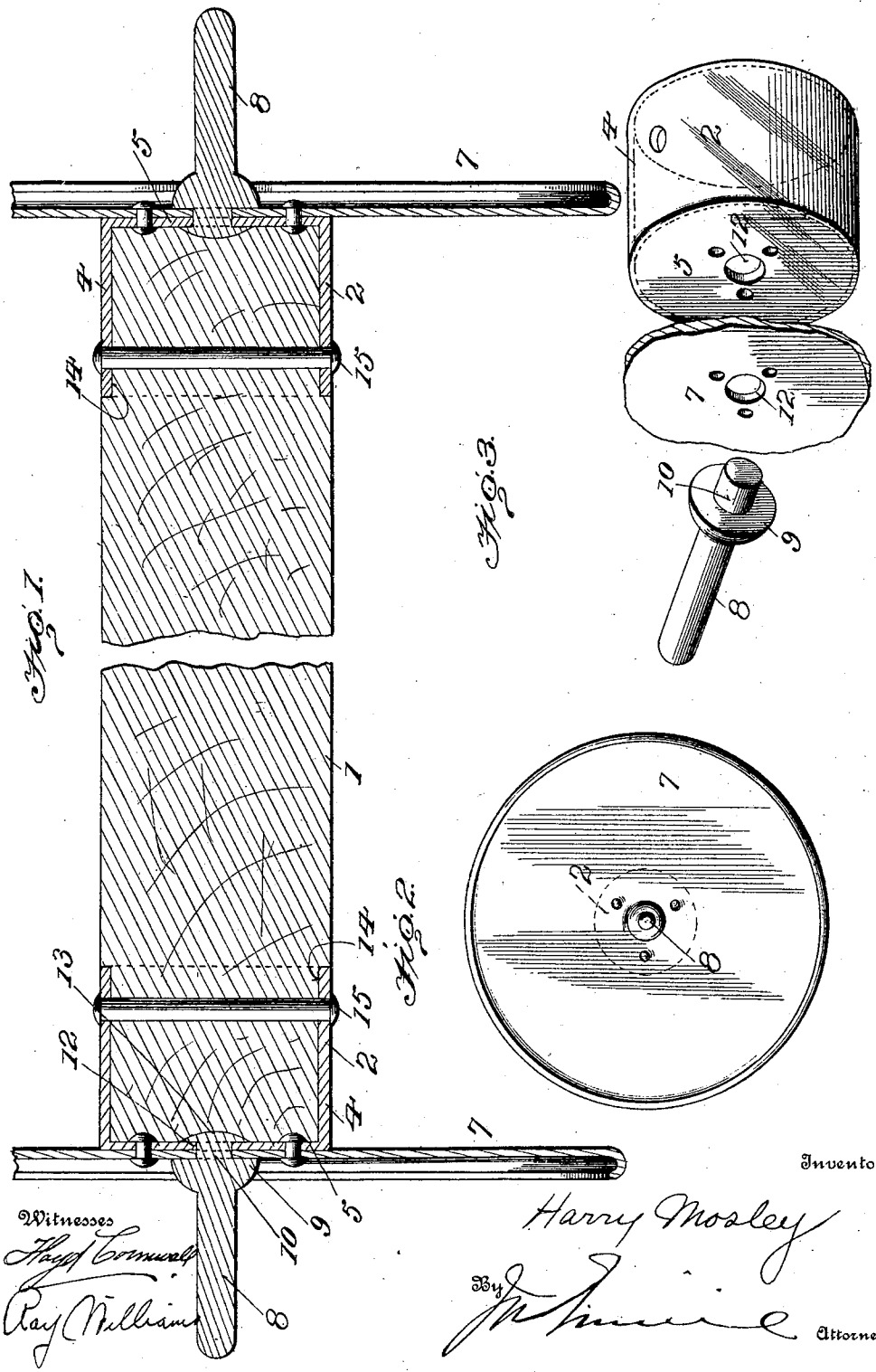
H. MOSLEY.

ROPING SPOOL.

APPLICATION FILED JUNE 24, 1908.

920,611. **Patented May 4, 1909.**



Witnesses

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HARRY MOSLEY, OF WATERFORD, NEW YORK.

ROPING-SPOOL.

No. 920,611. Specification of Letters Patent. Patented May 4, 1909.

Application filed June 24, 1908. Serial No. 440,082.

To all whom it may concern:

Be it known that I, HARRY MOSLEY, a citizen of the United States, residing at Waterford, in the county of Saratoga and State of New York, have invented certain new and useful Improvements in Roping-Spools, of which the following is a specification.

This invention relates to improvements in what is known in the knitting art as roping spools. The yarn is wound on the spools, and by reason of the weight, and constant strain on them it is essential they be strong and comparatively light to practically fulfil their mission.

According to my invention I provide substantially a wooden body portion, capped at the ends to reinforce it, and secured to said caps flanges to retain the yarn on the spool.

The prime object of the invention is to provide specifically arranged light and durable ends and flanges, whereby the trunnions on the caps are supported directly by the latter, to avoid weakening the body portion, which also enables me to produce an economical structure.

Other objects and advantages will be hereinafter referred to and be particularly pointed out in the claims.

In the drawings: Figure 1 is a vertical section of my improved spool. Fig. 2 is an elevation of the same. Fig. 3 is a detail perspective view of the parts separated.

1, represents a wooden roll forming the body portion of the spool. To the ends of the roll are secured metal caps 2, having secured to them the end flanges 7. Each cap 2, consists of a cylindrical portion 4, and a head 5. To the head 5, is riveted at 6, the end flange 3, beaded at its edge to reinforce it. A trunnion 8, is riveted to the flange 3, and head 5, and comprises an enlarged base portion 9, and reduced shank 10. The base fits snugly against the flange 7, and the shank extends through openings 12, in said flange and head, and is flattened at 13, to rigidly secure it in position.

The flange and cap having been securely fastened together, the cylindrical portion 4, is slipped over the reduced end 14, of the roll 1, and a bolt or the like passes through coincident openings in the cylinder and roll and beaded at 15, to lock the parts together.

A roping spool constructed as described possesses many decided advantages over spools known to me. By capping the ends of the wooden roll with metal, and securing said caps in the manner described, the body portion is not weakened to any great extent as with rolls now in use. Furthermore, the specific construction of the caps and flanges offers substantial resistance of the outward thrust of the yarn, and by connecting the cylindrical portions with the end of the roll liability of the flanges pulling out is reduced to a minimum.

The invention also possesses another important advantage, that is, the trunnions are riveted directly to the flanges and caps the heads thereof, being confined directly against the ends of the roll 1. This arrangement of parts prevents the trunnions having lateral play, and thereby the axial line of the roll is maintained.

The construction of the roll is simple and durable, and can be manufactured at a comparatively small cost.

Obviously minor changes may be made without departing from the spirit and scope of my invention, and I reserve the right to make such alterations as come within the purview of the improvement.

What I claim is:

1. As an article of manufacture, a cap comprising a cylindrical portion having openings, and a head formed with an opening, a flange of greater diameter than the cap and formed with an opening, rivets securing the flange to the head of the cap some distance from said opening, and a separate trunnion having an enlarged base and shank extending from the base, the shank fitting in the openings in the head and flange and flattened on its end to secure the trunnion to said cap and flange.

2. A roll for the purpose specified, comprising a wooden body portion, caps fitting over the ends of the roll, rivets securing the caps to the roll, a flange secured to each cap, a trunnion formed of a separate piece for securing the cap and flange at each end of the roll, said trunnions being headed on the inside of the cap.

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

HARRY MOSLEY.

Witnesses:

WM. F. PALMER,

IRVING F. WEBB.