

No. 737,787.

PATENTED SEPT. 1, 1903.

J. H. SHEPHERD.
UMBRELLA RUNNER AND HOLDER.

APPLICATION FILED AUG. 19, 1902.

NO. MODEL.

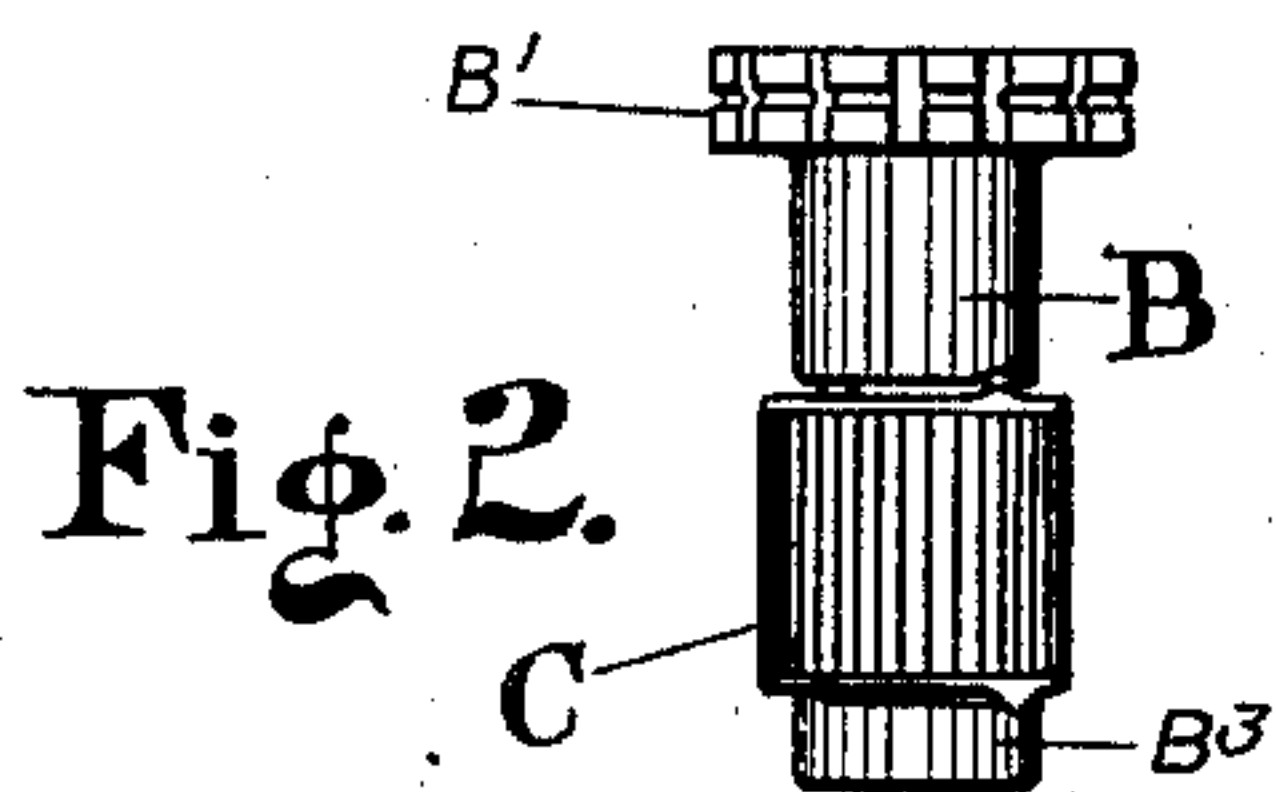


Fig. 2.

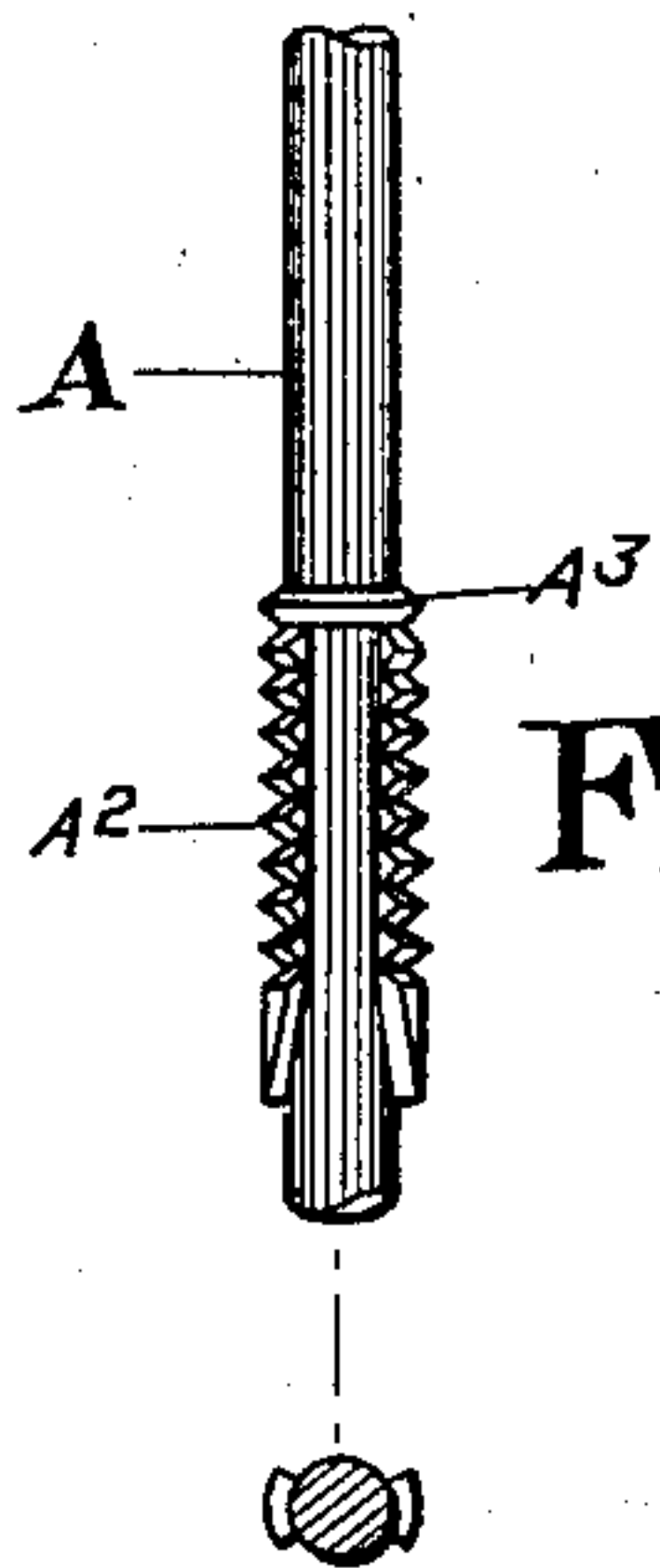


Fig. 3.

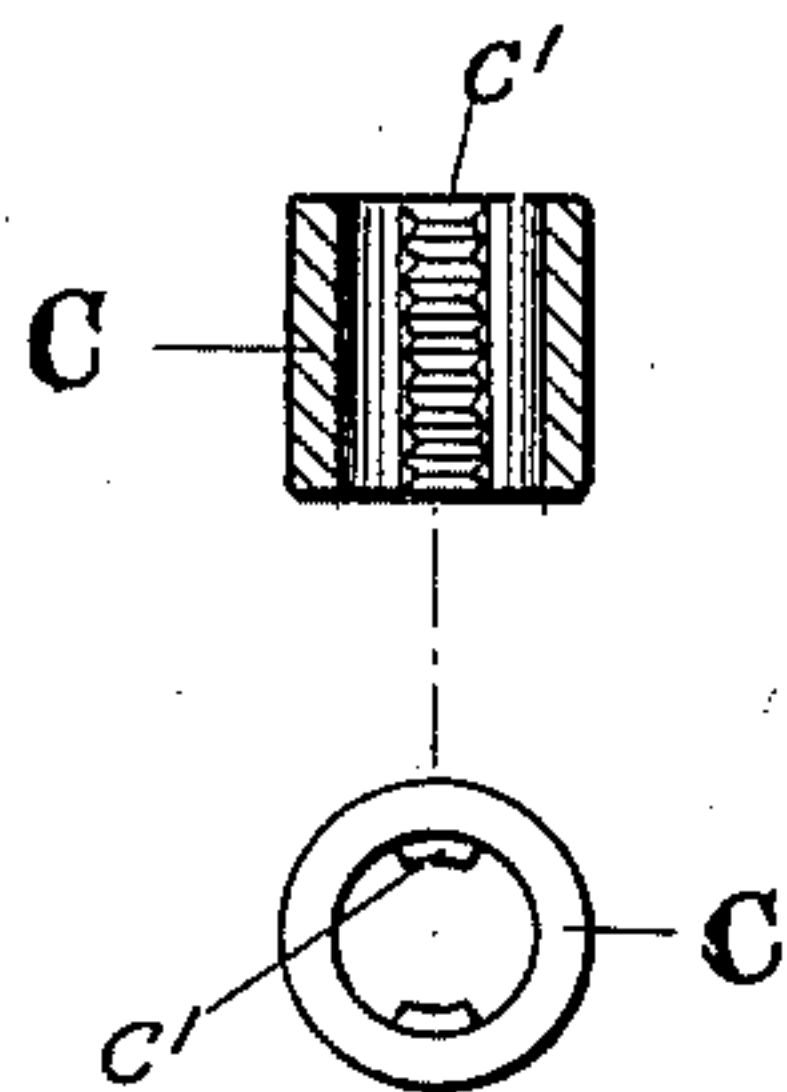


Fig. 5.

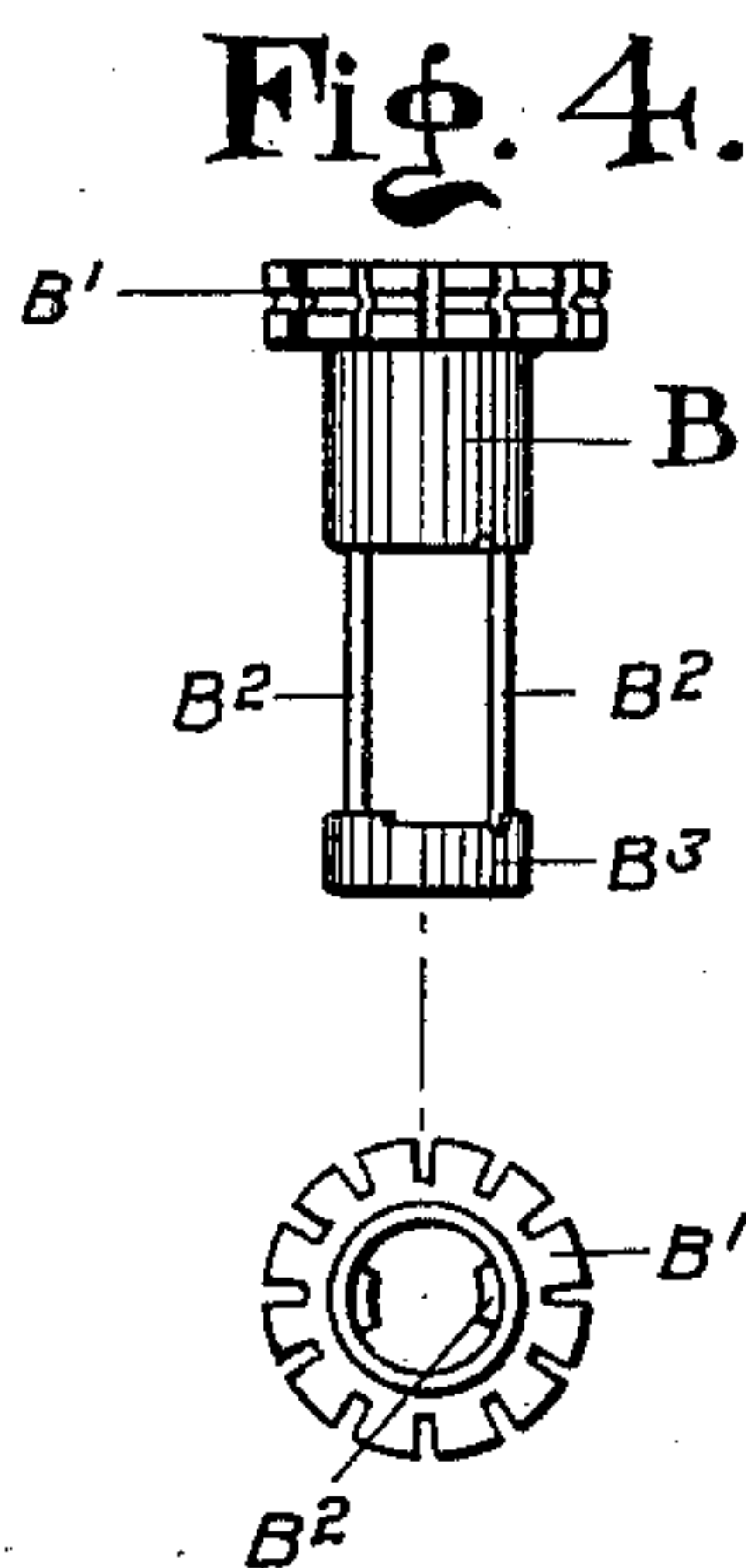


Fig. 4.

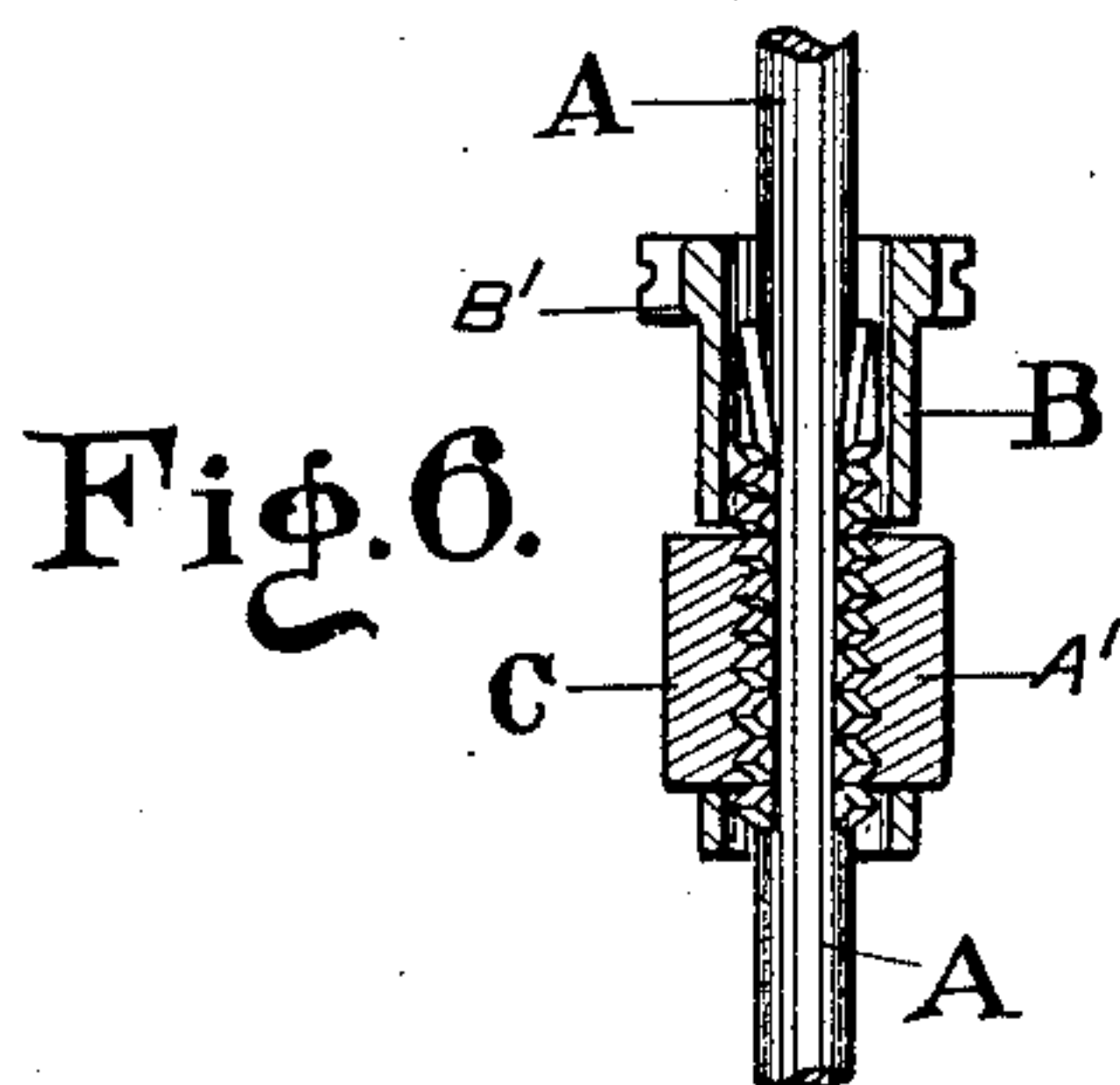


Fig. 6.

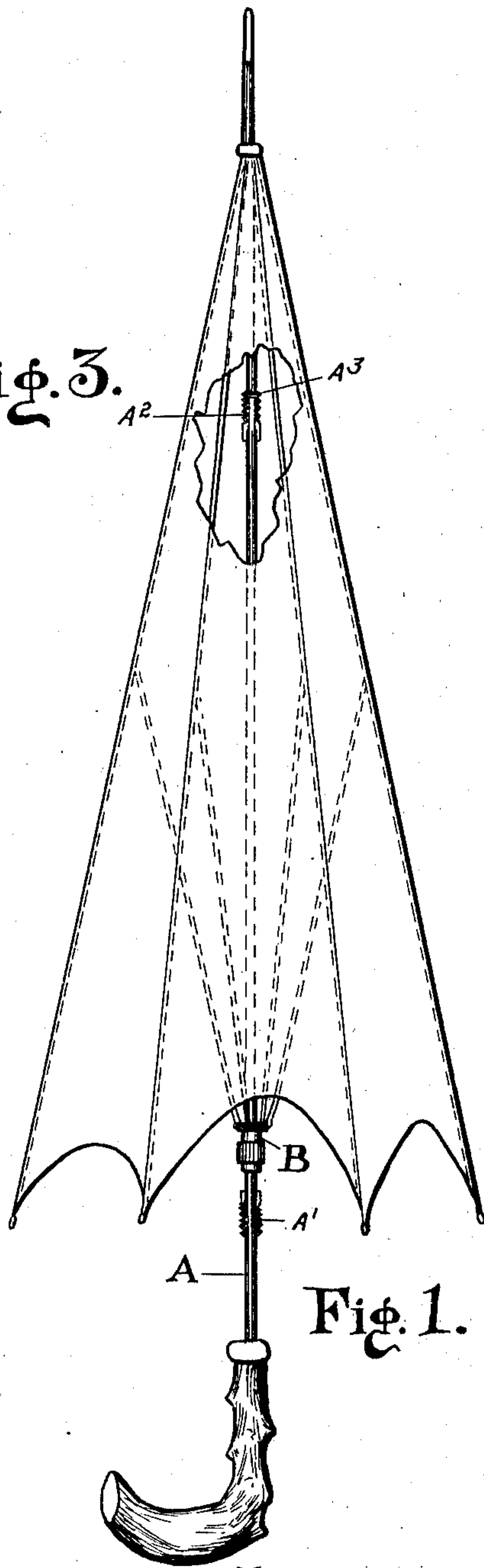
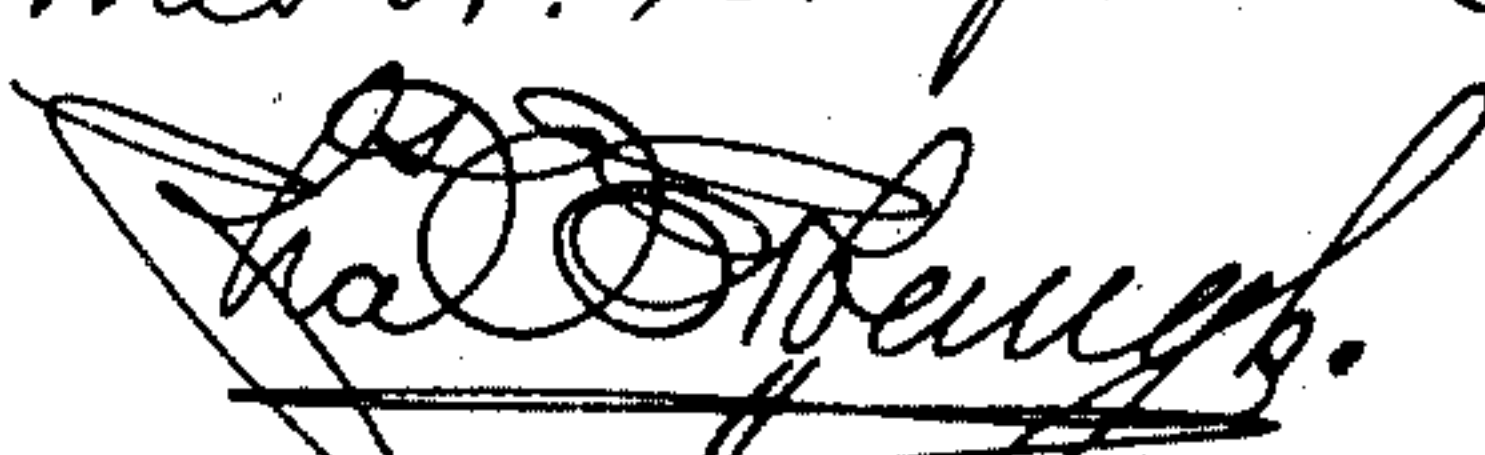


Fig. 1.

Witnesses

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UNITED STATES PATENT OFFICE.

JAMES H. SHEPHERD, OF DENVER, COLORADO.

UMBRELLA RUNNER AND HOLDER.

SPECIFICATION forming part of Letters Patent No. 737,787, dated September 1, 1903.

Application filed August 19, 1902. Serial No. 120,207. (No model.)

To all whom it may concern:

Be it known that I, JAMES H. SHEPHERD, a citizen of the United States, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in an Umbrella Runner and Holder; and I do declare the following to be a full, clear, and exact description of my invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

My invention relates to an umbrella runner and holder adapted to be used on any ordinary umbrella having either a metal or wooden rod or stick.

The objects of my invention are to provide an umbrella runner and holder that furnishes means for drawing the runner down to a variable point and locking it and also provides means for pushing it upward as tightly as necessary and locking it at variable points, one in which the holding device is effective and will not get out of order, also one that can be constructed at a reasonable cost.

The foregoing objects are attained by the construction outlined in the drawings, in which—

Figure 1 is an elevation of an umbrella having my runner and holder attached. Fig. 2 is an elevation of the runner and locking device. Fig. 3 is an elevation of the upper holder. Fig. 4 is a view similar to Fig. 2, having the locking device removed. Fig. 5 is a view of the locking device or annular nut. Fig. 6 is a central longitudinal cross-section of the runner and locking device.

In more fully referring to the drawings, A represents the rod or stick of an ordinary umbrella, which can be constructed of metal or wood, as desired and found most practical.

A' represents a series of mutilated flanges secured to the rod or stick at right angles thereto near the lower end in any suitable manner. The upper part of each series is constructed in a beveled point, as fully illustrated in Fig. 6 of the drawings. A² represents a similar series of mutilated flanges provided at right angles to the rod or stick

near the upper end, the lower ends of each series being cut to a beveled point, as illustrated in Fig. 3. A circular flange is provided around the top part of the upper series of mutilated flanges and is designated by A³. This provision is of utility in preventing the runner from being pushed upward farther than the required distance, and thus prevents the umbrella-cover from being turned inside out by the wind or from any cause.

B indicates the main part of the runner, which is slidably mounted on the rod or stick A. It is provided with a collar at the upper end, (designated by B',) which has many indentations or recesses into which the lower ends of the braces are pivoted, the upper ends being pivoted to the ribs.

The runner is constructed with a pair of arms downwardly appended and designated by B². Another collar (indicated by B³) is secured to the lower ends of these arms, and as the runner passes upward and downward these arms have a passage-way in the space allowed on opposite sides of the rod or stick between the series of mutilated flanges.

C represents the movable cylindrical nut, which is provided with a bore adapted to encircle the rod or stick. It also encircles the arms B², which are downwardly appended from the runner B. This circular nut is provided with oppositely-disposed inwardly-projected flanges (designated by C') and adapted to mesh with the flanges on the rod or stick.

It is now obvious that the successful operation of an umbrella provided with my new runner and holder will be as follows: The annular nut C is given a one-half turn, which releases the inwardly-projecting flanges from the flanges (designated by A') provided on the lower part of the rod or stick. The umbrella-runner is then pushed upward, and when it has reached the desired height or when it comes in contact with the circular flange (indicated by A³) the annular nut C is given a one-half turn, which causes the inwardly-projecting flanges C' to mesh with the series of flanges A², provided on the rod or stick A, thus securely holding the runner in position. The beveled points of each series of flanges are of manifest utility, as they act as a guide to the annular nut C, operating between the inwardly-projecting flanges provided within said nut.

Having thus described the nature and objects of my invention, what I claim as new, and desire to cover by Letters Patent, is—

1. An umbrella-runner comprising a barrel portion surmounted by a recessed collar, arms depending from said barrel portion, a nut mounted on said arms having inwardly-projecting flanges, and a collar secured to the lower end of said arms, substantially as shown and described.

2. In an umbrella, a rod or stick provided with mutilated flanges having their adjacent ends beveled to a point, a runner slidably mounted on said rod or stick, and a nut revolvably mounted on said runner having internal mutilated flanges adapted to mesh with the flanges on the rod or stick, substantially as shown and described.

3. In an umbrella, a rod or stick provided with series of mutilated flanges at right angles thereto, a runner adapted to encircle said rod or stick having downwardly-appended arms, a circular collar secured to the lower end of said arms, and an annular nut provided with inwardly-projecting flanges encircling said arms and the said rod or stick, substantially as specified.

4. In an umbrella, a rod or stick provided with series of mutilated flanges at right angles thereto, the upper ends of the lower series being beveled to a point and the lower ends of the upper series beveled in a like manner, a runner adapted to encircle said rod or stick provided with a circular disk or collar having ing depressions or recesses into which are pivoted the braces and having downwardly-appended arms to which is secured a circular collar or ring also adapted to encircle the said rod or stick, an annular nut provided with oppositely-disposed, inwardly-projecting series of mutilated flanges adapted to mesh with the flanges on the rod or stick, substantially as specified.

5. In an umbrella, a rod or stick provided with series of mutilated flanges near the upper and lower ends, the lower series being beveled to a point at the upper ends thereof, and the upper series being beveled to a point at the lower ends thereof, a runner adapted to encircle the said rod or stick provided with a collar having depressions to which are secured

the braces, also having downwardly-appended arms to which is secured a collar adapted to encircle the said rod or stick, an annular nut adapted to encircle the said downwardly-appended arms and the said rod or stick and having inwardly-projecting, oppositely-disposed series of flanges adapted to mesh with the flanges on the said rod or stick, substantially as specified.

6. In an umbrella runner and holder, the combination of the rod having series of mutilated flanges provided thereon at right angles to the rod, the runner, adapted to encircle said rod, an annular nut secured to said runner, inwardly-projecting flanges provided within said nut, said flanges adapted to mesh with the flanges provided on the said rod, substantially as shown and described.

7. In an umbrella runner and holder, the combination with a rod, series of mutilated flanges provided on said rod, near the upper and lower ends thereof, the lower series being beveled to a point at the upper ends and the upper series being beveled to a point at the lower ends, of a runner adapted to encircle said rod having downwardly-appended arms, and an annular nut adapted to encircle said downwardly-appended arms and inwardly-projecting, oppositely-disposed series of flanges adapted to mesh with the flanges on said rod, substantially as shown and described.

8. In an umbrella, mutilated flanges secured to the stick near the upper and lower ends thereof and having their adjacent ends beveled to a point, the runner to which the stretchers are attached having a barrel portion B, depending arms B², a collar B³, and a locking-nut C mounted on said arms B² and mutilated flanges on the inside of said locking-nut C to intermember with the flanges on the stick at times, substantially as shown and described.

In testimony that I claim the foregoing as my own I hereunto subscribe my name in the presence of two witnesses.

JAMES H. SHEPHERD.

Witnesses:

FLORENCE A. PRATT,
MATTIE E. KIMMINS.