

No. 737,142.

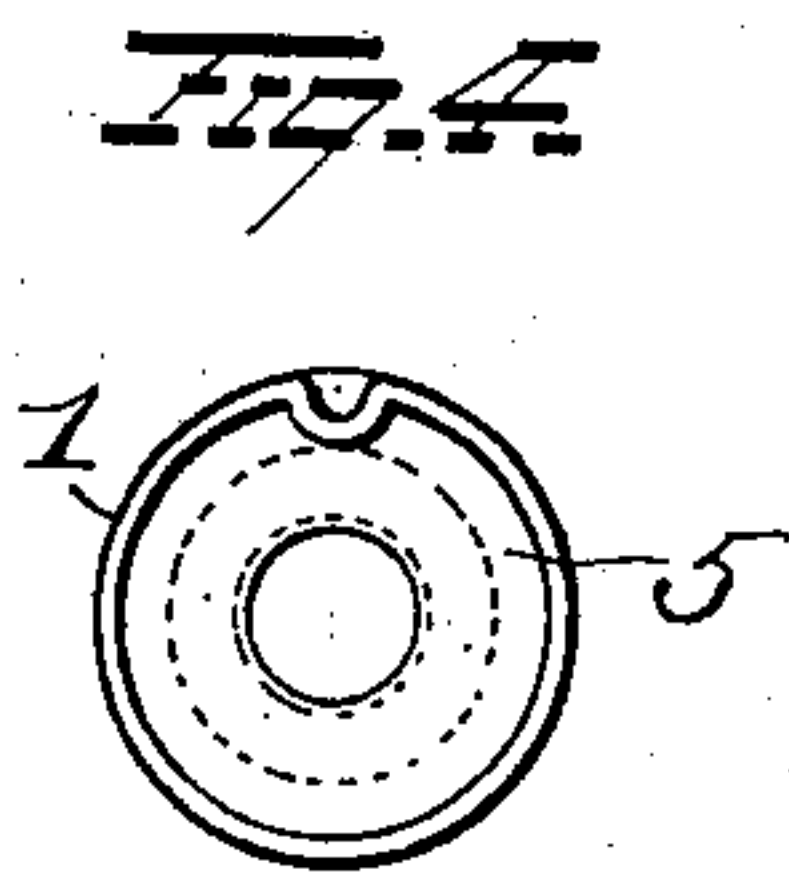
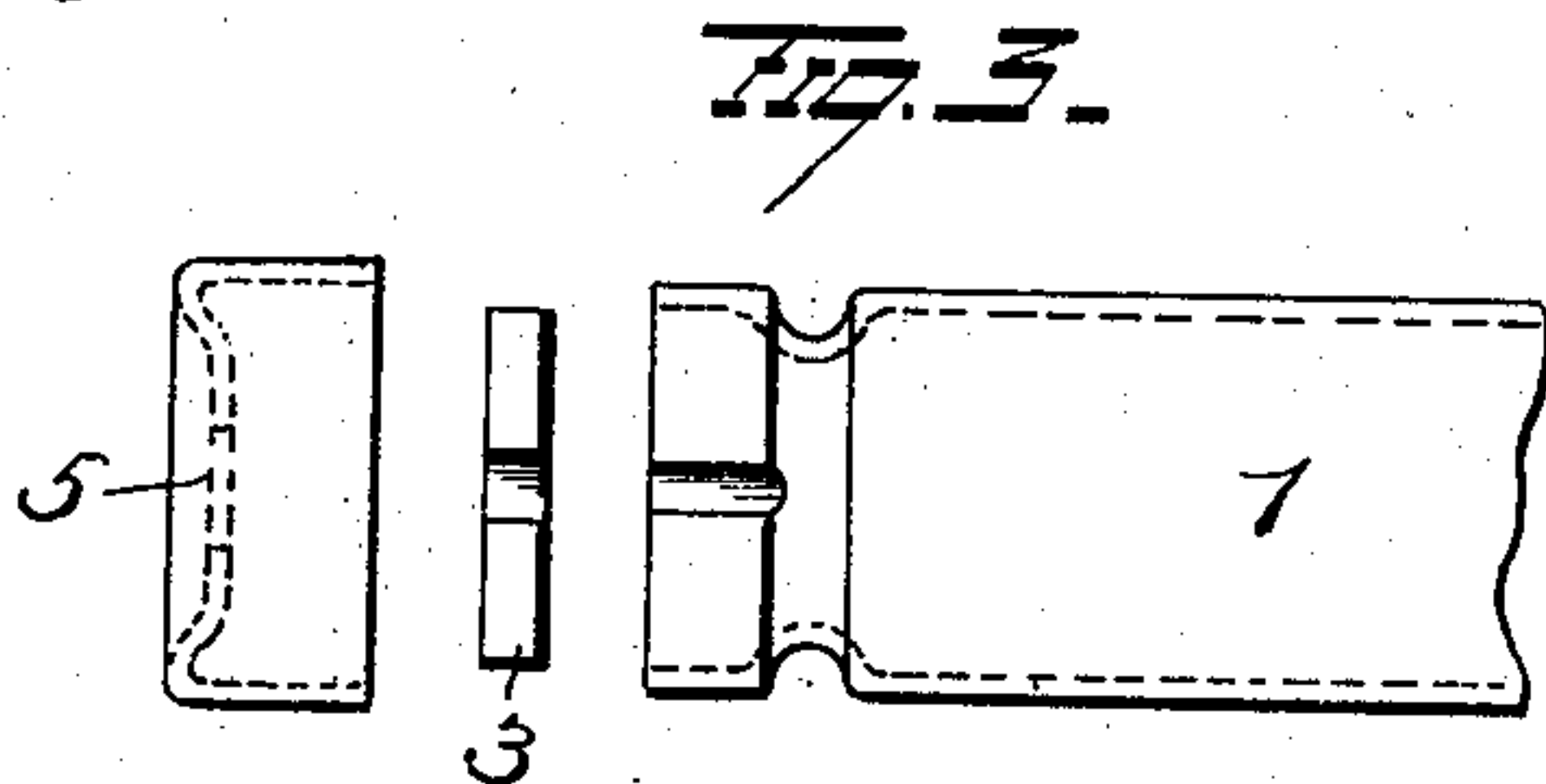
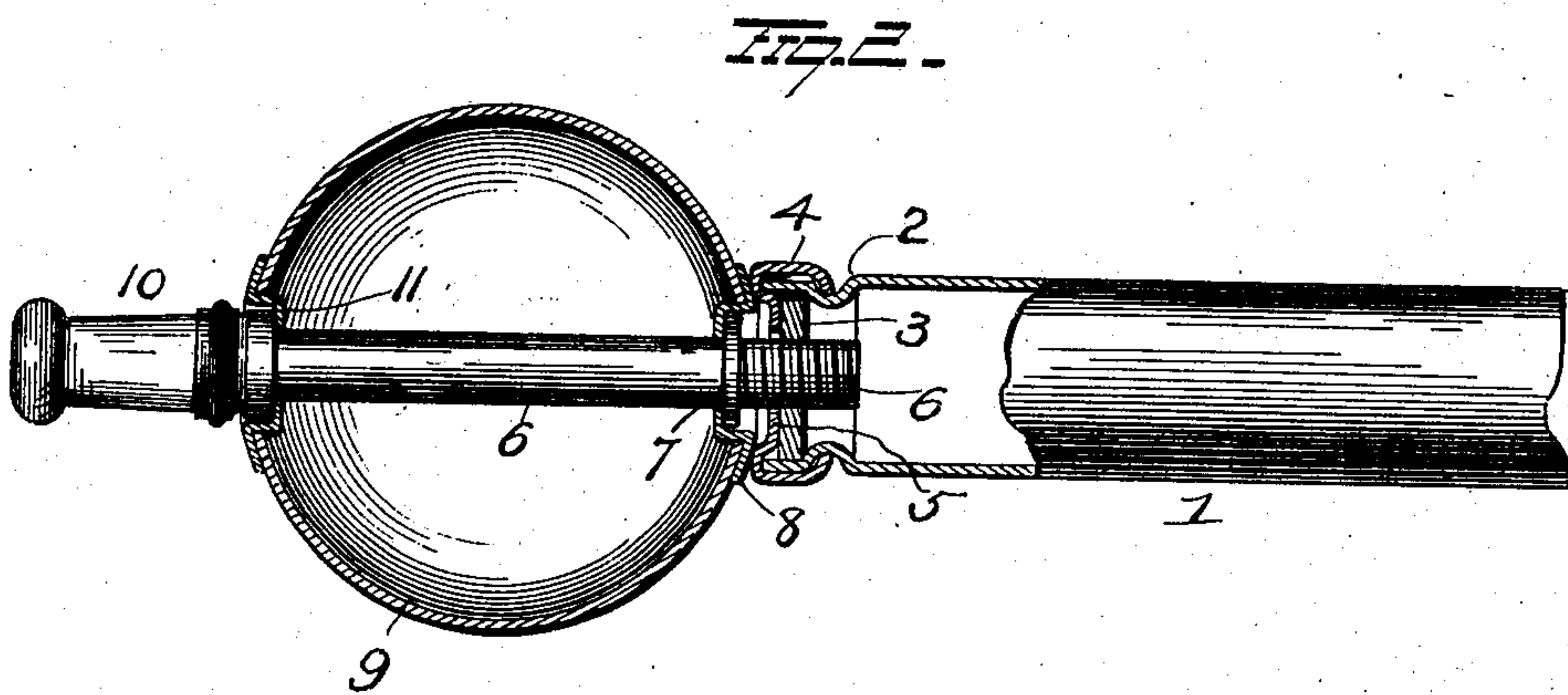
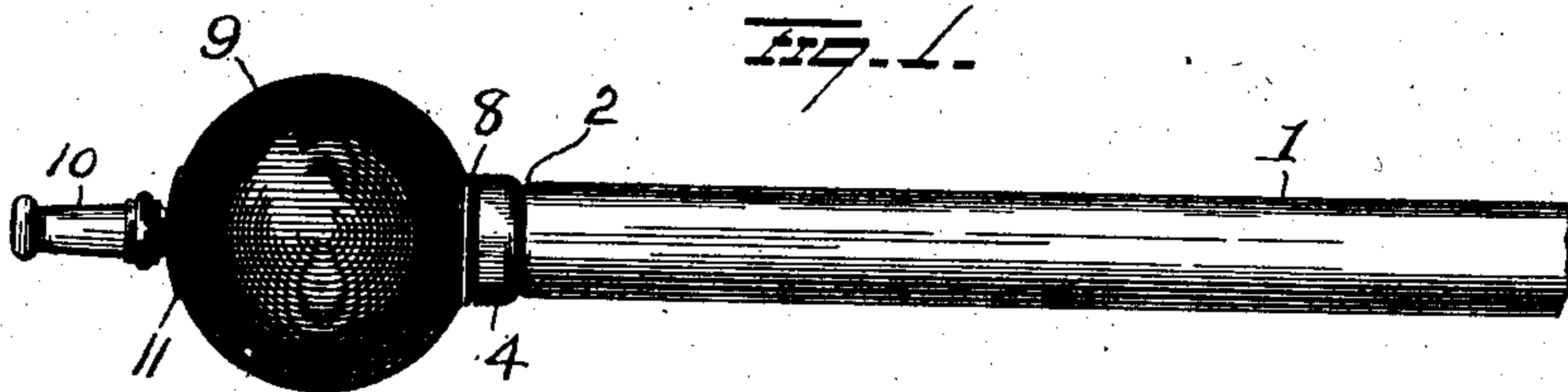
PATENTED AUG. 25, 1903.

T. C. RICHARDS.

SASH ROD.

APPLICATION FILED FEB. 13, 1903.

NO MODEL.



WITNESSES

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THOMAS C. RICHARDS, OF WINSTED, CONNECTICUT.

SASH-ROD.

SPECIFICATION forming part of Letters Patent No. 737,142, dated August 25, 1903.

Application filed February 13, 1903. Serial No. 143,231. (No model.)

To all whom it may concern:

Be it known that I, THOMAS C. RICHARDS, a resident of Winsted, in the county of Litchfield and State of Connecticut, have invented
5 certain new and useful Improvements in Sash-Rods; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to
10 make and use the same.

My invention relates to an improved sash-rod, the object of the invention being to provide an improved rod in which the ornamental ends thereof will be firmly secured to the
15 rod proper and which will not be liable to get out of repair or become injured in ordinary use.

With this object in view the invention consists in certain novel features of construction
20 and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in elevation, illustrating my improvements. Fig. 2 is a view in section of the same
25 and Figs. 3 and 4 are views of details of construction.

1 represents a metal tube provided near its ends with a peripheral depression 2, against
30 which an internally-screw-threaded ring 3 is located and held against rotary movement by a depressed lug in tube 1, projecting into a notch in the ring. Over the end of tube 1 is a collar 4, clamped into the depression 2 and
35 made with an inwardly-projecting flange 5, bearing against ring 3 and holding it firmly against the depression 2.

6 represents a screw adapted to screw into ring 3 and provided near its threaded end with
40 a flange 7, seated in a depressed washer 8, secured to an ornamental ball or head 9. The other end of said screw projects through the ball, is upset at each side, and forced into an ornamental head 10, which latter is seated
45 into a washer 11, similar to washer 8 and located in the opposite side of ball 10.

It will be seen that with my improvements the ornamental ball 10 is firmly held on the screw 6 and not liable to work loose, and as

the screw has a firm bearing in ring 3 the pole 50 is a great improvement over anything heretofore known.

A great many slight changes might be made in the general form and arrangement of the several parts described without departing 55 from my invention, and hence I would have it understood that I do not limit myself to the precise construction set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit 60 and scope of my invention.

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

1. The combination with a tube having a 65 depression therein near its end, of a ring in said tube bearing against said depression, means for holding said ring against rotary movement, a collar clamped over the end of the tube and having a part bearing against 70 the outer face of said ring and an ornamental head screwed into said ring.

2. The combination with a tube having a depression near its end, of a ring in the tube bearing against said depression, a collar 75 clamped over the end of the tube, one edge of said collar entering the depression of the tube and the other edge of said collar bearing against the outer face of the ring, an ornamental head and a screw secured to said head 80 and passing through said ring.

3. The combination with a tube having an internally-screw-threaded ring in its end, of a screw to screw into said ring and having a flange thereon near its threaded end and 85 upset at its opposite end, a head forced onto the upset end of the screw, and an ornamental head of any shape having washers at opposite sides through which the screw projects and in which the flange and head are seated. 90

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

THOMAS C. RICHARDS.

Witnesses:

T. H. BRONSON,
A. A. GRIFFIN.