

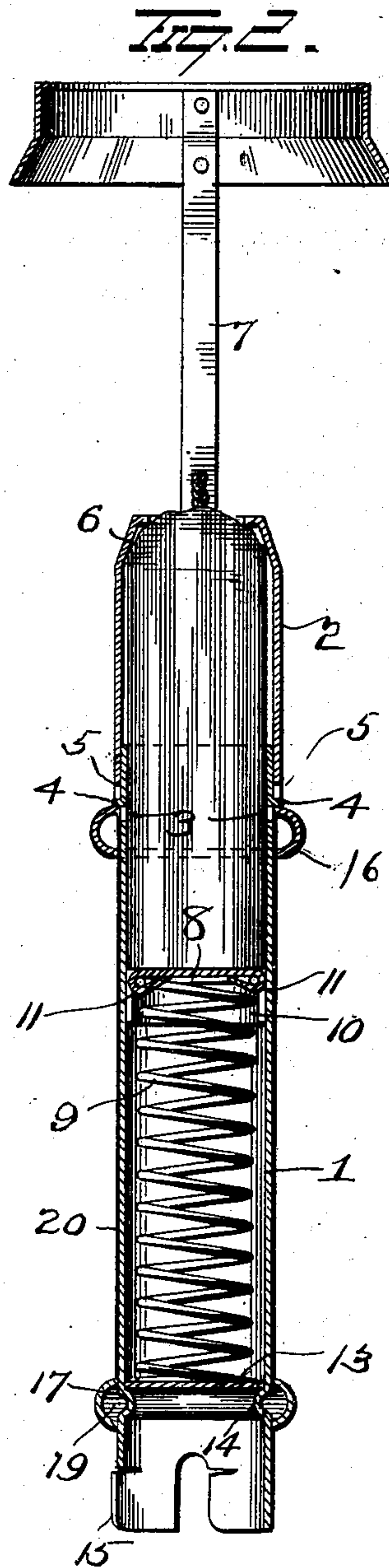
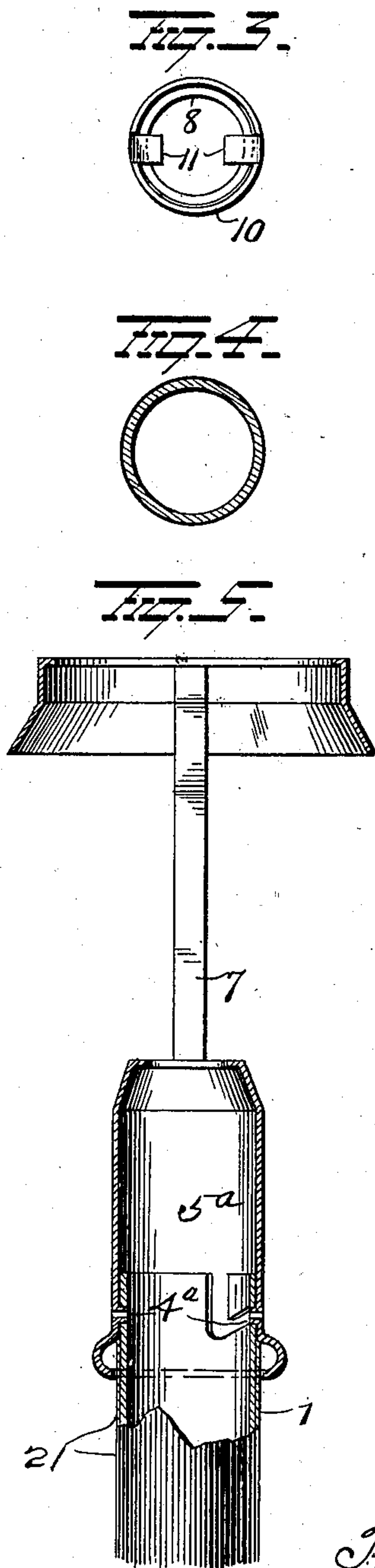
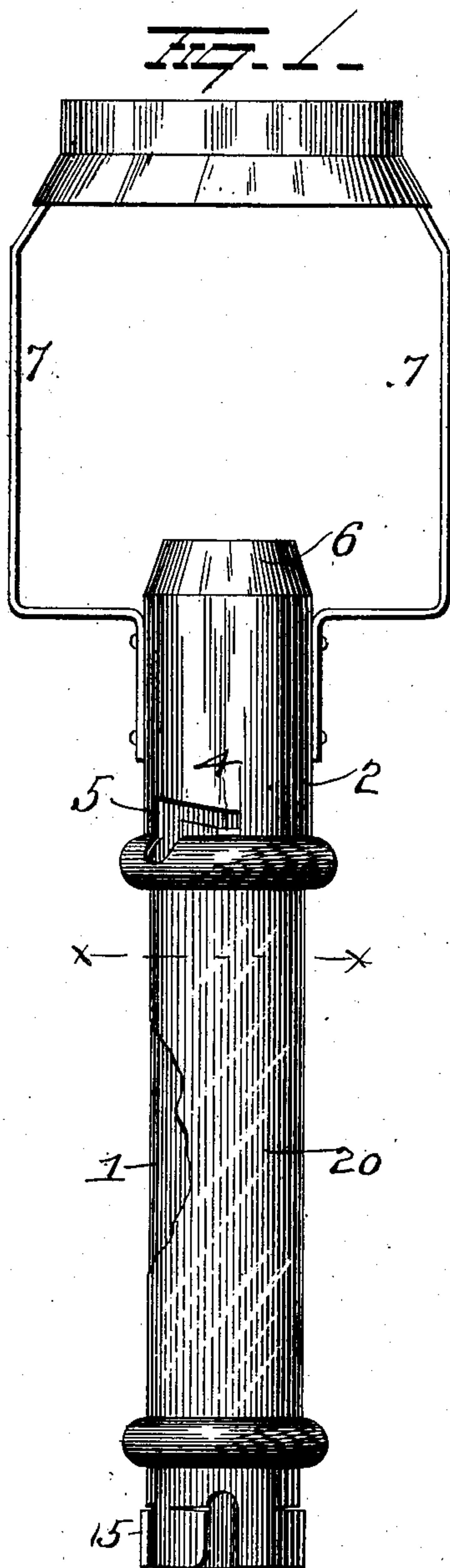
No. 737,141.

PATENTED AUG. 25, 1903.

T. C. RICHARDS.
CANDLE LAMP.

APPLICATION FILED APR. 2, 1902.

NO MODEL.



WITNESSES
E. W. Nottingham
G. F. Downing

INVENTOR
Thomas C. Richards
By H. A. Seymour
Attorney

UNITED STATES PATENT OFFICE.

THOMAS C. RICHARDS, OF WINSTED, CONNECTICUT.

CANDLE-LAMP.

SPECIFICATION forming part of Letters Patent No. 737,141, dated August 25, 1903.

Application filed April 2, 1902. Serial No. 101,127. (No model.)

To all whom it may concern:

Be it known that I, THOMAS C. RICHARDS, of Winsted, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Candle-Lamps; 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 make and use the same.

My invention relates to an improvement in candle-lamps, and it is designed particularly as an improvement on the candle-lamp shown and described in Letters Patent No. 681,263, granted to me August 17, 1901.

The object of the present invention is to simplify the construction and cheapen the cost of manufacture; and it consists in certain novel features of construction and combinations of parts, as will be hereinafter more fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in elevation of my improvement. Fig. 2 is a longitudinal sectional view of same. Fig. 3 is a detached view of the candle-follower. Fig. 4 is a view in section on the line *xx* of Fig. 1, and Fig. 5 is a view of a modification.

1 represents a tube, preferably made of sheet metal, and 2 is a cap, which latter is detachably secured to the upper open end of tube 1 by bayonet-joints. This tube 1 is provided near its upper open end with notches 3, the metal 4, formed by notching the tube, being bent outwardly, forming lugs which enter the slots 5 in the cap 2, thus forming the bayonet-joints above referred to and providing a cheap, neat, and easily-detachable connection between the tube and the cap.

While I have described lugs 4 and slots 5 as being formed in tube 1 and cap 2, respectively, it is apparent that their precise construction and location in order to constitute an effective catch or bayonet-joint is immaterial—as, for instance, the lugs 4^a instead of being formed in tube 1 may be formed in cap 2 and slots 5^a in tube 1, as represented in Fig. 5. In this form of bayonet-joints the lugs 4^a instead of being formed after the manner of lugs 4, Fig. 2, are preferably made by punching inwardly a portion of the metal of cap 2.

Cap 2 is provided with a restricted or truncated cone-shaped upper end 6, which latter bears on the upper end of the candle, as is common in this form of lamp, and is also provided with the shade-holder 7. The candle is seated within the tube 1 on the follower 8, carried by the spiral spring 9, and is locked within the tube by the cap 2, the spring forcing the candle upwardly against the cap as the candle burns away. The follower 8 is circular in form and is provided with a depending peripheral flange 10, portions of which latter are cut out and bent inwardly to form tongues 11 for securing said follower to the upper coil of spring 9.

The bottom 13, which supports coil-spring 9, is located a suitable distance above the lower end of tube 1 and is supported therein by the inwardly-projecting annular shoulder 14, which latter is formed by pressing inwardly a portion of the body of said tube. Instead of forming shoulder 14 continuous it may be made up of a series of inwardly-projecting lugs arranged in the arc of a circular, or still another form of support for bottom 13 may be provided by forming an annular depression on the interior of tube 1, in which case the bottom would be made larger in diameter than the diameter of said tube and sprung within said depression.

The candelabra-spring 15, which depends from the lower end of tube 1, may be made of a separate piece of suitable material and attached therein in any desired manner; but in practice I prefer to form it integral with said tube, as represented in Fig. 2. The upper end of tube 1 rests under and is concealed by the bezel-ring 16, formed on the lower end of cap 2, while the depression or annular groove 19, formed by striking up shoulder 14, is concealed by the spring bezel-ring 17.

Tube 1, from its upper end to bezel-ring 17, is provided with a coat of staining or enamel or colored to represent a fancy, colored, or plain candle. By thus applying the stain, paint, enamel, or other substance directly upon the exterior surface of the spring-supporting tube 1 the use of a supplemental tube ornamented to represent a candle is avoided, and as the construction of this single tube has been greatly simplified and the cost of manufacture reduced it will be seen that a series of

tubes ornamented to represent the various shades or colors of candles may be supplied with each shade-holder and spring, thus permitting the holders proper to be changed to
5 harmonize with the surrounding decorations.

Instead of staining or enameling the outer surface of tube 1 I may fasten thereon a thin tubing of celluloid, paper, or other suitable composition of matter or material 21 and accomplish the desired end.
10

It is evident that many changes might be made in the relative arrangement of the parts herein shown and described without departing from the spirit and scope of my invention.
15 Hence I would have it understood that I do not wish to confine myself to the exact construction of parts shown and described.

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

1. As a new article of manufacture, a candle-

lamp comprising a tubular body split at its lower end and having an inwardly-projecting bead above said split portion, a disk resting loosely upon said inwardly-projecting bead, a
25 spring within the body and seated upon said disk, and a follower rigidly secured to the upper end of said spring.

2. As a new article of manufacture, a candle-lamp comprising a tubular body, a spring in
30 said body, a seat for said spring and a follower upon the spring, provided with a depending flange inclosing the upper end of the spring, said flange slitted and forming tongues secured to said spring.
35

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

THOMAS C. RICHARDS.

Witnesses:

ARTHUR GRIFFIN,
LEWIS REYNOLDS.