

H. B. S. TEAGUE.
HOLDER FOR CANDLES AND THE LIKE.
APPLICATION FILED DEC. 22, 1916.

1,241,576.

Patented Oct. 2, 1917.

Fig. 1.

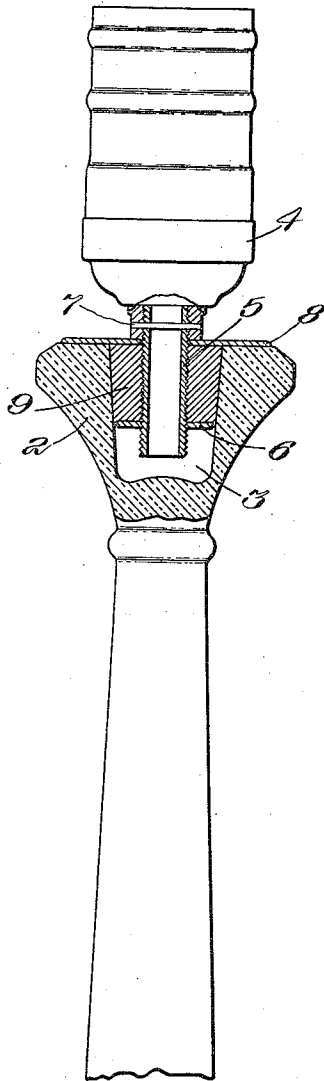


Fig. 2.

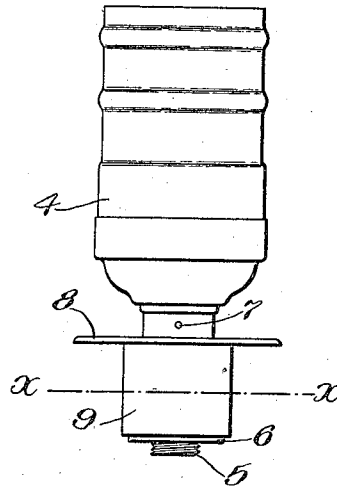
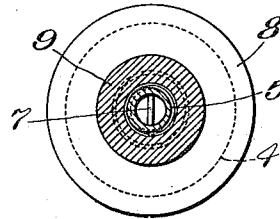


Fig. 3.



Inventor:

Horace B. S. Teague,

By E. D. Bradnick,
Attorney.

UNITED STATES PATENT OFFICE.

HORACE B. S. TEAGUE, OF MELROSE HIGHLANDS, MASSACHUSETTS, ASSIGNOR TO
EDWARD MILLER & COMPANY, OF BOSTON, MASSACHUSETTS, A CORPORATION
OF CONNECTICUT.

HOLDER FOR CANDLES AND THE LIKE.

1,241,576.

Specification of Letters Patent.

Patented Oct. 2, 1917.

Application filed December 22, 1916. Serial No. 138,302.

To all whom it may concern:

Be it known that I, HORACE B. S. TEAGUE, a citizen of the United States, residing at Melrose Highlands, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Holders for Candles and the like, of which the following is a specification.

This invention relates to holders or sockets for candles, electric light bulbs and other sources of light which are intended or adapted to be supported by a candle-stick having a recess into which the holder is removably inserted. It is a matter of common experience that the recesses provided in candle-sticks for the reception of such holders do not conform in their dimensions to any recognized standard, whether the candle-sticks are made of glass or of metal, but vary considerably in different candle-sticks and are frequently irregular in contour in a given candle-stick, particularly when made of glass. In consequence of this fact the holders have been provided with various devices, usually depending for their efficiency upon spring action, for the purpose of adapting them to recesses of different dimensions, but such devices are unsatisfactory on account of the liability of the holder to tip with respect to the candle-stick or even to fall out of it if the spring holding devices become bent accidentally or if they are purposely bent in order to make them fit a given recess, as is frequently necessary. My invention is intended to overcome the objections to prior holders of the character above referred to by the provision of simple and durable means whereby the holder may be inserted into a candle-stick or other support having a recess of any given dimensions, within the usual limits, and firmly held in the desired position with relation to the candle-stick.

A holder embodying my invention as preferably constructed is illustrated in the accompanying drawing, in which:

Figure 1 is a side elevation, partly in section, showing the holder connected to a candle-stick;

Fig. 2 is a side elevation of the detached holder; and

Fig. 3 is a section on the line $x-x$ in Fig. 2, looking upward.

In Fig. 1 of the drawing, 2 indicates the

upper portion of a candle-stick provided with a recess 3 extending downwardly from its top, and 4 indicates the lower portion of a holder which may be a candle-receiving socket, or a socket for an electric light bulb, or any other sort of holder adapted to carry a source of light. With the exception of the parts hereinafter described, the particular construction of the holder is immaterial to the present invention, and the candle-stick 2 may also be made of any desired material and design.

5 indicates a stem extending downward from the bottom of the holder 4 and shown as externally threaded throughout its length and carrying a nut 6, the upper end of the stem being screwed into the lower end of the holder 4 and preferably held immovable therein by means of a transverse pin 7. On the upper portion of the stem 5 is mounted a collar 8 which can rotate freely thereon and preferably has the form of a thin, flat disk extending laterally beyond the bottom of the holder 4 and adapted to rest on the top of the candle-stick 2. Between this collar 8 and the nut 6 is located a soft-rubber plug 9 which is preferably circular in cross-section, in conformity with the recesses commonly provided in candle-sticks, and is centrally perforated to receive the stem 5 loosely.

The upper and lower ends of the plug 9 are in engagement with the collar 8 and nut 6 respectively, frictional engagement being sufficient, and these parts are given such dimensions that when the plug is in its normal condition it and the nut beneath it can be inserted freely into and withdrawn from the recess 3. After said plug has been inserted into the recess the holder can be firmly connected to the candle-stick by pressing the collar 8 against the top of the candle-stick 2 and holding these parts immovable with one hand, and then rotating the stem 5 in the proper direction with the other hand, using the holder 4 as a handle. The result of doing this is that the engagement of the plug 9 with the collar 8 and nut 6 causes said nut to be held against rotation and to be screwed upward on the stem 5 by the rotation of the latter within it, whereby the plug is compressed in an endwise direction between the nut and the collar and hence is caused to bulge outwardly and grip

the surrounding wall of the recess 3, as shown in Fig. 1, whatever the diameter of the recess may be. During the lateral expansion of the plug 9, the holder and candle-stick are maintained in accurate alinement by the collar 8 bearing upon the top of the candle-stick, and the final result is that the parts are secured together in the desired relation so firmly that there is no possibility of their accidental separation or of the tipping of the holder with respect to the candle-stick. To separate the holder from the candle-stick it is merely necessary to rotate the holder in the reverse direction, whereupon the nut 6 is held stationary in the manner already described and the stem 5 is partially unscrewed from the nut, thereby relieving the plug 9 from endwise pressure and permitting it to contract circumferentially to its normal condition, shown in Figs. 2 and 3.

An advantageous feature of the construction above described is its simplicity, resulting from the fact that the compressible plug serves the two purposes of gripping the wall of the recess in the candle-stick and of preventing the rotation of the nut, which from its location and the nature of the holder itself is inaccessible for direct engagement. It will be evident that the nut 6 and collar 8 might be forced toward each other by screwing the holder 4 downward on the upper end of the stem 5, the nut 6 remaining immovable, but in such case the unscrewing of the holder might have the result of detaching it from the stem, and therefore it is desirable to secure the stem permanently to the

holder. The details of construction may be otherwise modified in various ways without departing from my invention, and it will be obvious that the plug and its associated parts may extend in any desired direction from the holder, according to the position of the recess into which the plug is to be inserted. For example, such a recess may be formed in a side wall bracket or other fixed support instead of a movable candle-stick, if desired.

I claim:

1. In a device of the character described, the combination of a holder provided with a threaded stem having a compressible and elastic plug mounted thereon and adapted to be inserted into a recess, a freely-rotatable collar concentric with said stem and in engagement with the outer end of the plug, and means carried by the inner end of the stem and engaging the inner end of the plug for compressing the latter against the collar.

2. In a device of the character described, the combination of a holder provided with a threaded stem carrying a nut on its outer end, a freely-rotatable collar mounted on said stem and adapted to extend laterally over and bear upon the top of a candle-stick or the like, and a plug of compressible and elastic material mounted on said stem between the collar and the nut, in engagement with both, and having a normal diameter not less than that of the nut.

Signed at Boston, Mass., this 20th day of December, 1916.

HORACE B. S. TEAGUE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."