No. 832,356. PATENTED OCT. 2, 1906.

F. BAUMER.

CANDLE LAMP.

APPLICATION FILED MAR. 9, 1906.

Fig. 1.

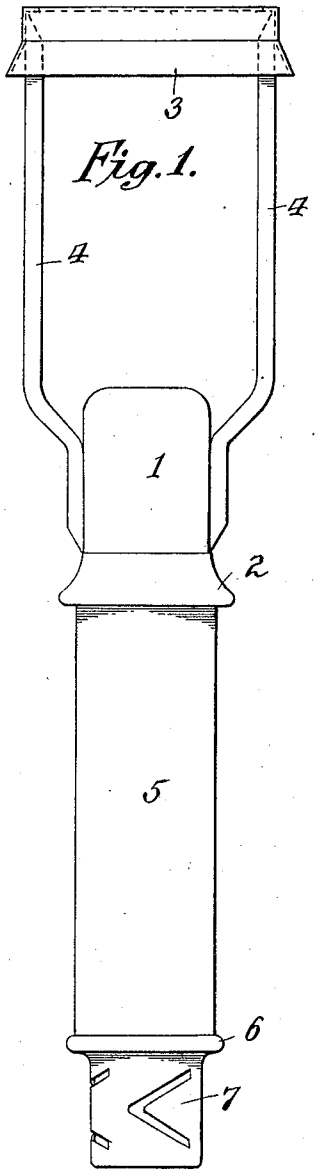


Fig. 3.

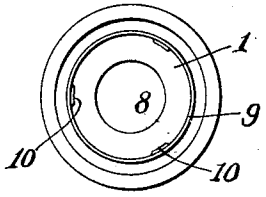


Fig. 2.

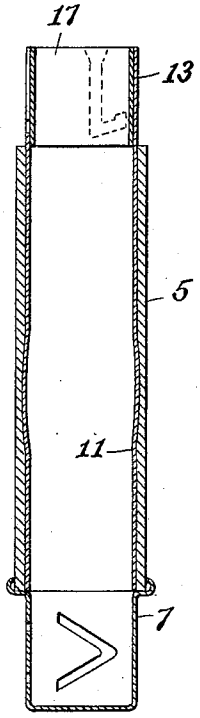
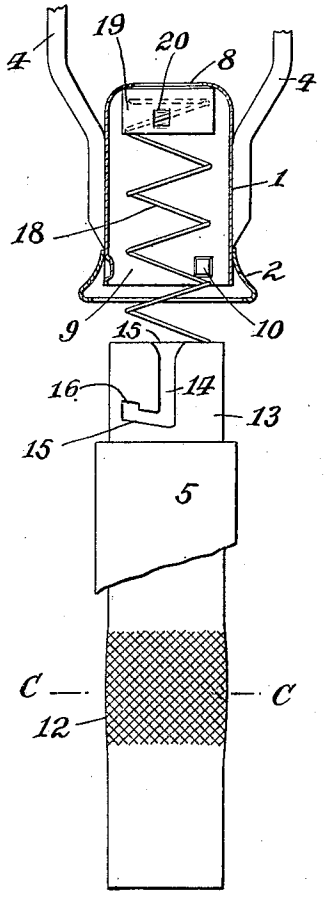


Fig. 4.



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FRANCIS BAUMER, OF NEW YORK, N. Y.

CANDLE-LAMP.

No. 832,356. Specification of Letters Patent. Patented Oct. 2, 1906.

Application filed March 9, 1906. Serial No. 305,125.

To all whom it may concern:

Be it known that I, FRANCIS BAUMER, a citizen of the United States, residing at 310 West Ninety-seventh street, New York city, State of New York, have invented certain new and useful Improvements in Candle-Lamps, of which the following is a clear, full, and exact description.

The object of this invention is to provide an improved, sightly, readily-assembled, and cheaply-constructed candle-holder of that type in which a candle is held by spring-pressure toward the top of a tube having a cap with a restricted opening.

This invention has particular reference to improving the means for holding the ornamental outer shell in place upon the tube and for improving the bayonet-joint connection between the open end of the tube and the removable cap provided with the restricted opening.

My invention will be pointed out in the claims.

As shown in the drawings, Figure 1 is an outside elevation of the candle-holder of this invention ready for use. Fig. 2 is a central vertical section of the candle-holding tube and ornamental shell. Fig. 3 is an underneath plan of the removable cap; and Fig. 4 is a view, partly in section and partly in outside elevation, of the cap and of the tube.

As shown in the drawings, particularly Fig. 1, the cap 1 is provided at its lower end with an outwardly-flaring skirt 2, formed of a ring soldered or welded to the outside of the cap 1. To the cap is also secured a shade-holder 3, supported by arms 4, secured at one end to the cap. The candle-holding tube itself is not shown in this figure, as it is covered by the ornamental celluloid or preferably enameled paper ornamental tube 5, the lower end of which is hidden by a flange 6 upon the resilient base 7. (Shown and described and claimed in a copending application.)

The cap 1, Figs. 3 and 4, is formed with a restricted opening 8 at its upper end and with a depending part 9, which projects into the interior of the flanged-out skirt 2. This part 9 is formed with a number of projections on its inner surface preferably formed of upset portions 10 of the metal itself of rectangular plan.

The tube 11 may be welded to the resilient base 7 at its lower edge and in its mid-portion, preferably at 12, formed with a roughened outer surface, so that the paper or other tube 5 may be slid over the tube and prevented from accidental displacement by the roughened surface.. To further increase the hold of the roughened surface upon the ornamental tube, I preferably expand it from within after placing the ornamental tube upon its outside, thus giving the tube a slightly greater cross-section on the line C C, Fig. 4, than normal. A portion of the tube 13 extends above the upper edge of the ornamental tube 5 and is provided with bayonet-joint slots of a peculiar construction, preferably three in number to correspond with the three projections 10 of the cap. These bayonet-joints are of the general shape of the letter J, having a vertical member 14 with a flaring mouth 15 and a member 15 slightly off the horizontal, terminating in a short vertical member 16. In order to close these openings at the back in a cheap and efficient manner, I insert within the bore of the tube at its upper end a bushing 17, securing it in place in any well-known manner, such as welding, soldering, or expanding. The advantages in thus forming the bayonet-joint slots as I have shown is that the spring 18, which carries the cap 19, which presses against the lower end of the candle when in the tube, tends to force the cap upwardly, with the square projections 10 nicely fitting, each into a short vertical member 16 without permitting any freedom of motion radially therein, thus giving the appearance and feeling of a solid structure. In order to secure the spring 18 to the cap, I form holes in its flange through which the free end of the spring may be threaded, these holes preferably being formed as slits 20, which allow the metal of the flange to be pressed back between the slits to allow the spring to pass the metal on the outside.

I claim as my invention—

1. In combination with a candle-holding tube having a roughened outer surface, an ornamental tube on the outside thereof in intimate contact with said roughened surface, said tube being of greater diameter at its roughened surface.

2. In combination with a candle-holding tube having a roughened outer surface, an or-

namental tube on the outside thereof in intimate contact with said roughened surface, said tube being of greater diameter at its roughened surface, and composed of paper-like substance having an enameled surface.

3. A candle-holder comprising a tube open at its end for the reception of a candle, bayonet-joint slots therein, a reinforcing-collar within the tube forming a closed back for the slots and a removable cap having projections to engage said slots.

Signed at New York, N. Y., this 8th day of March, 1906.

FRANCIS BAUMER.

Witnesses:
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