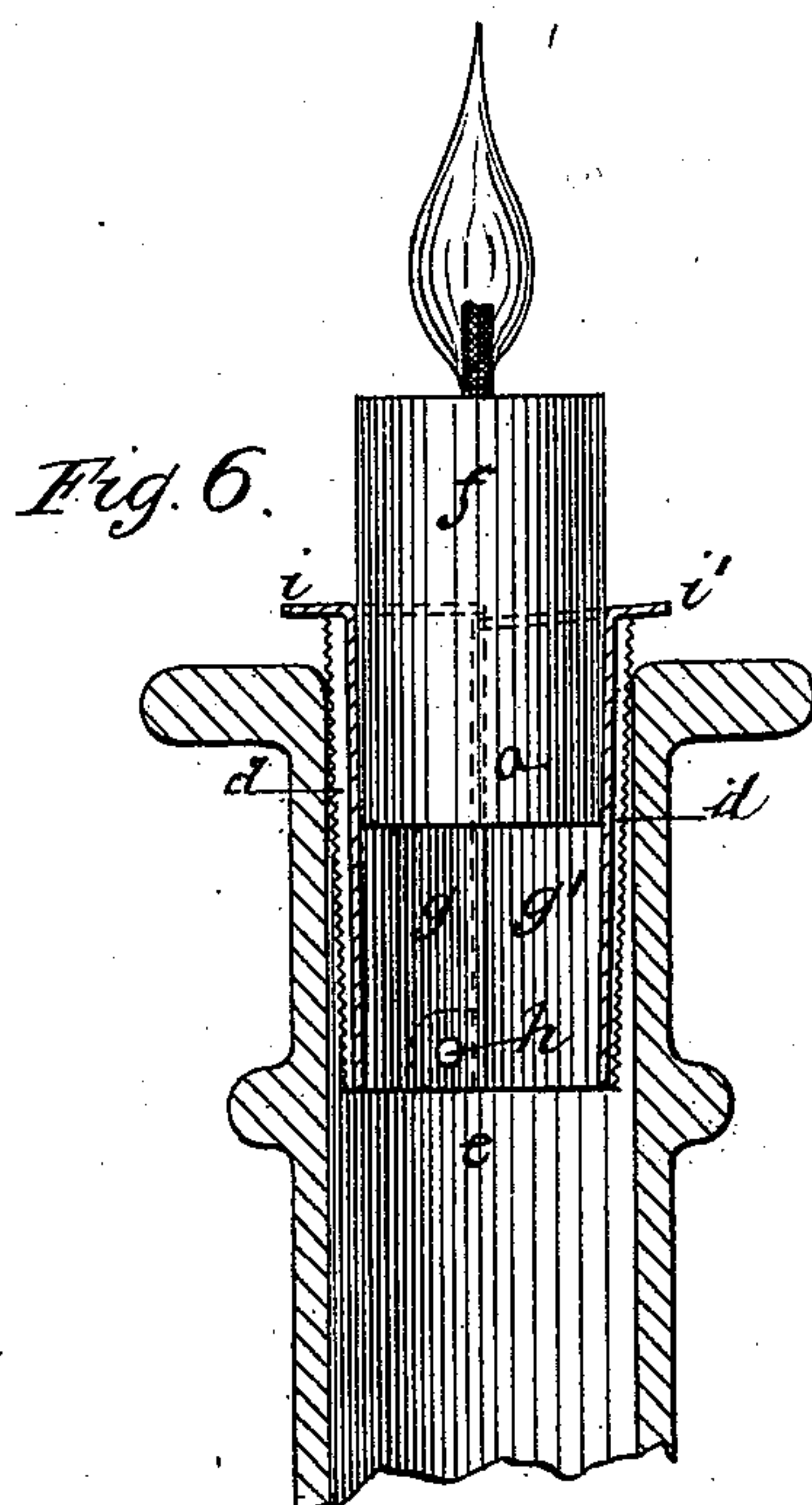
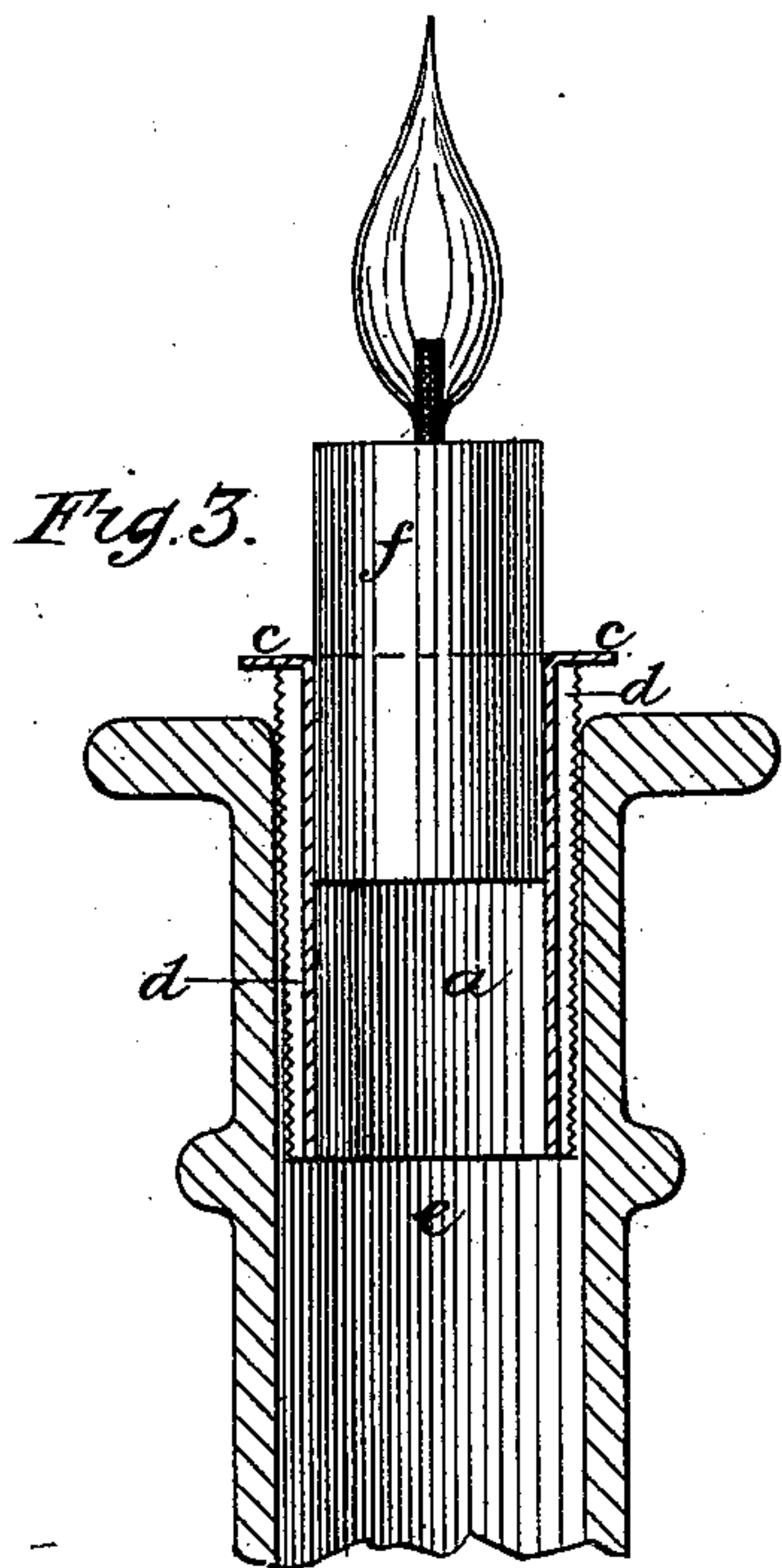
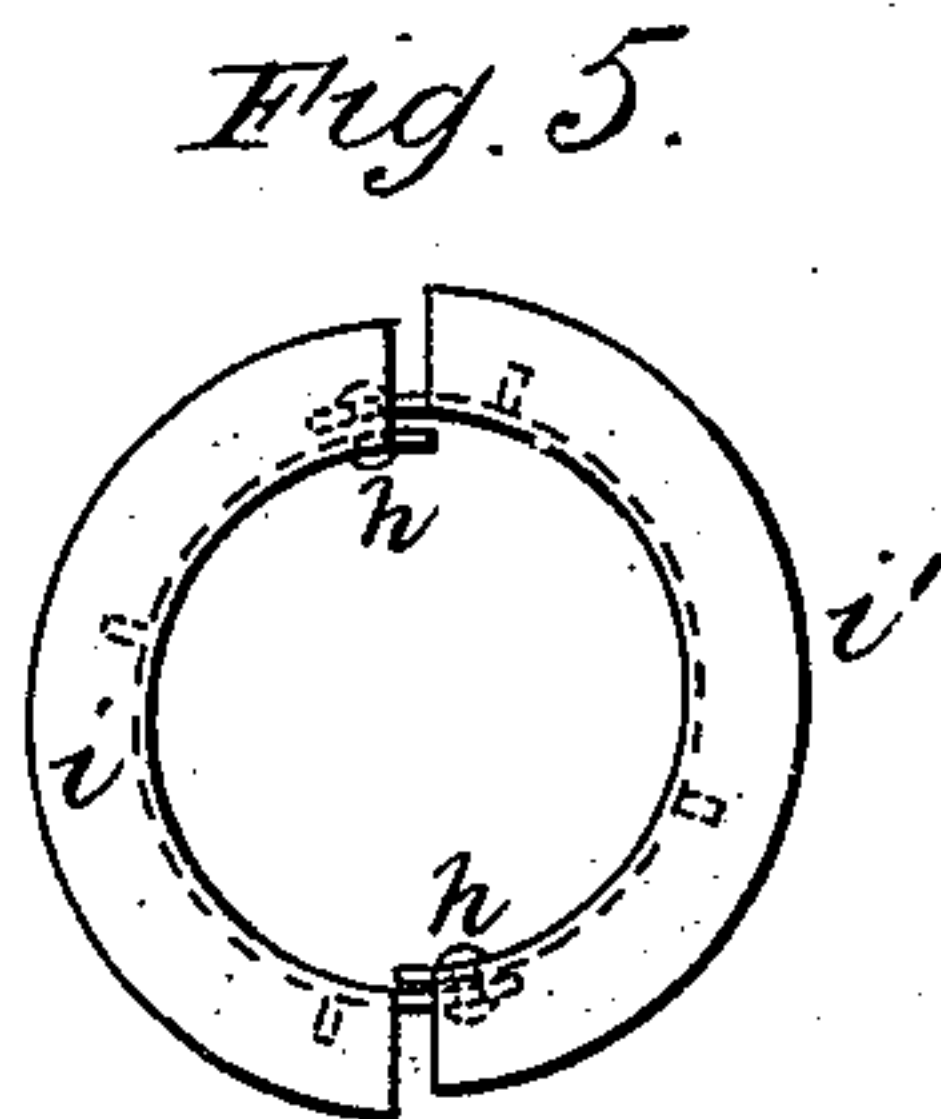
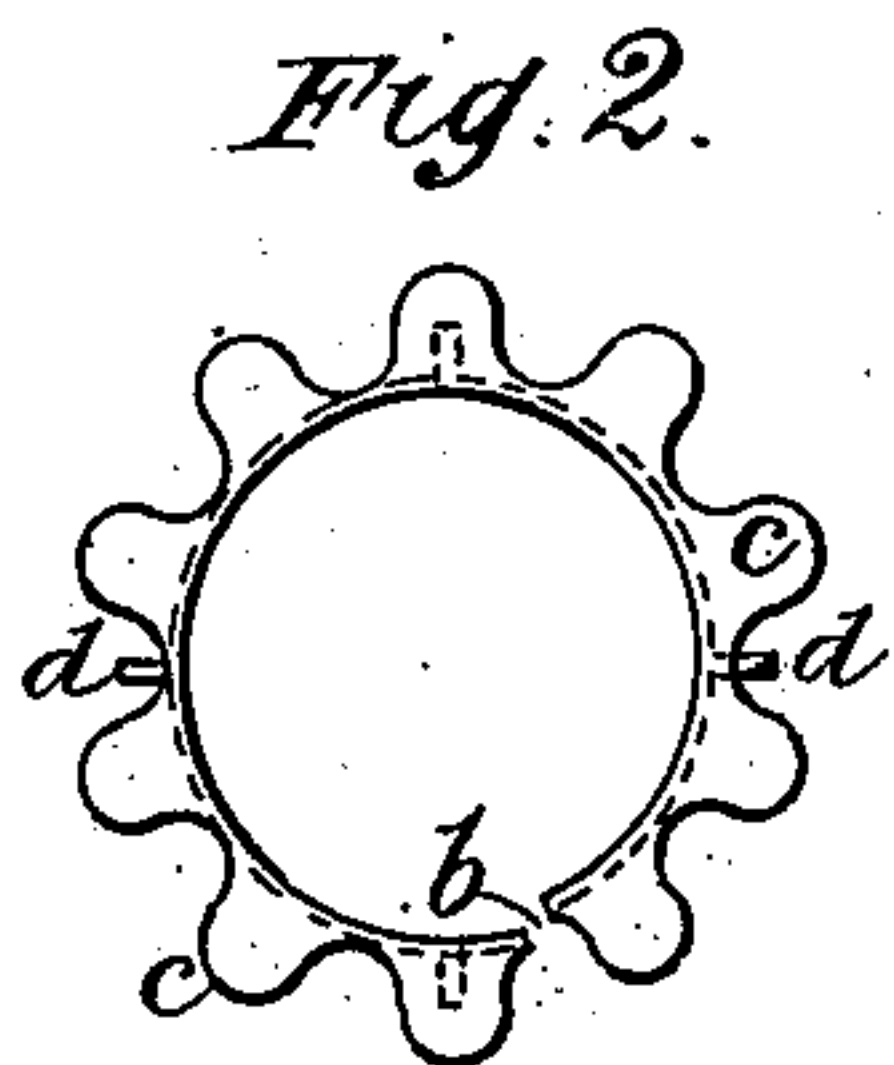
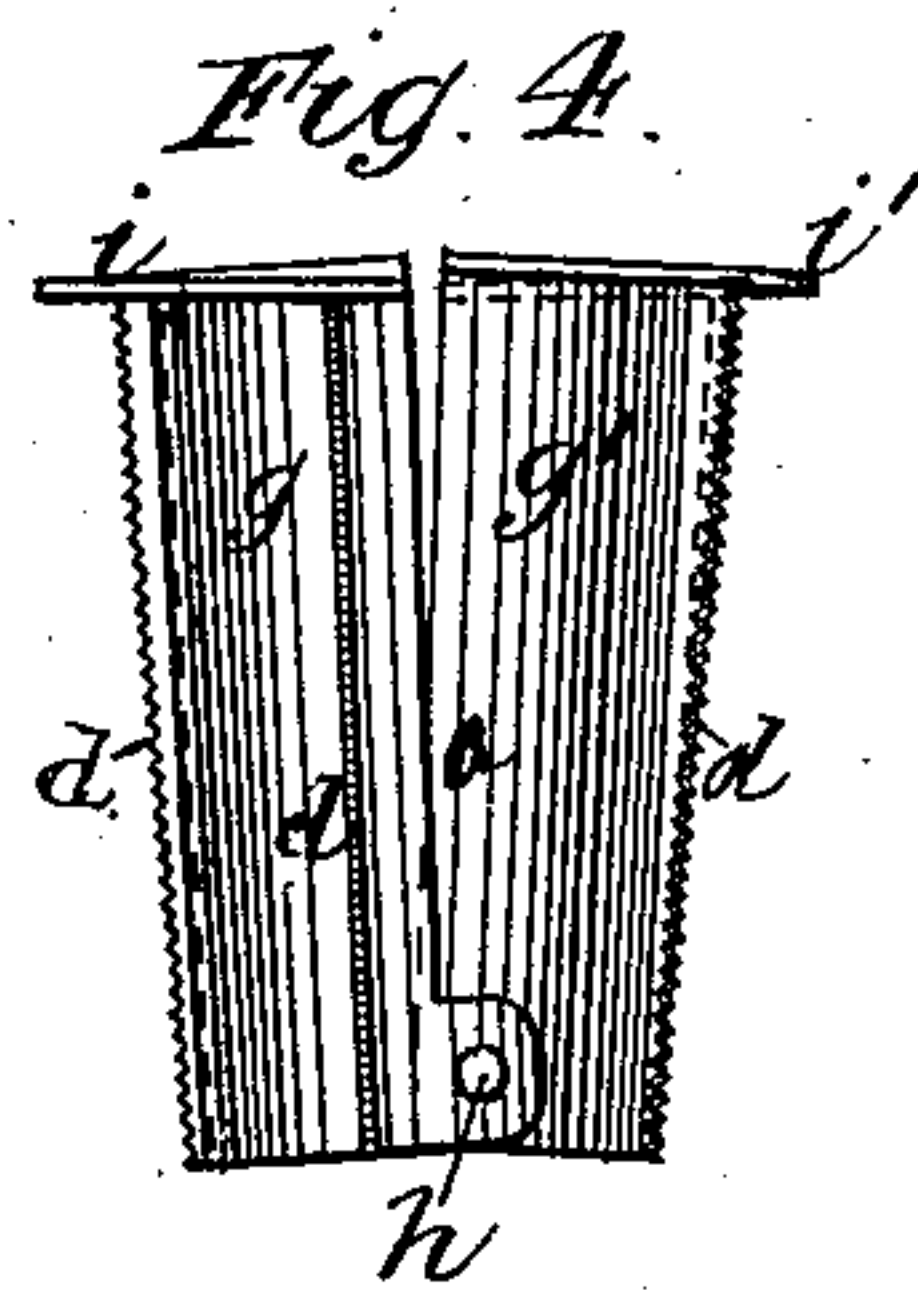
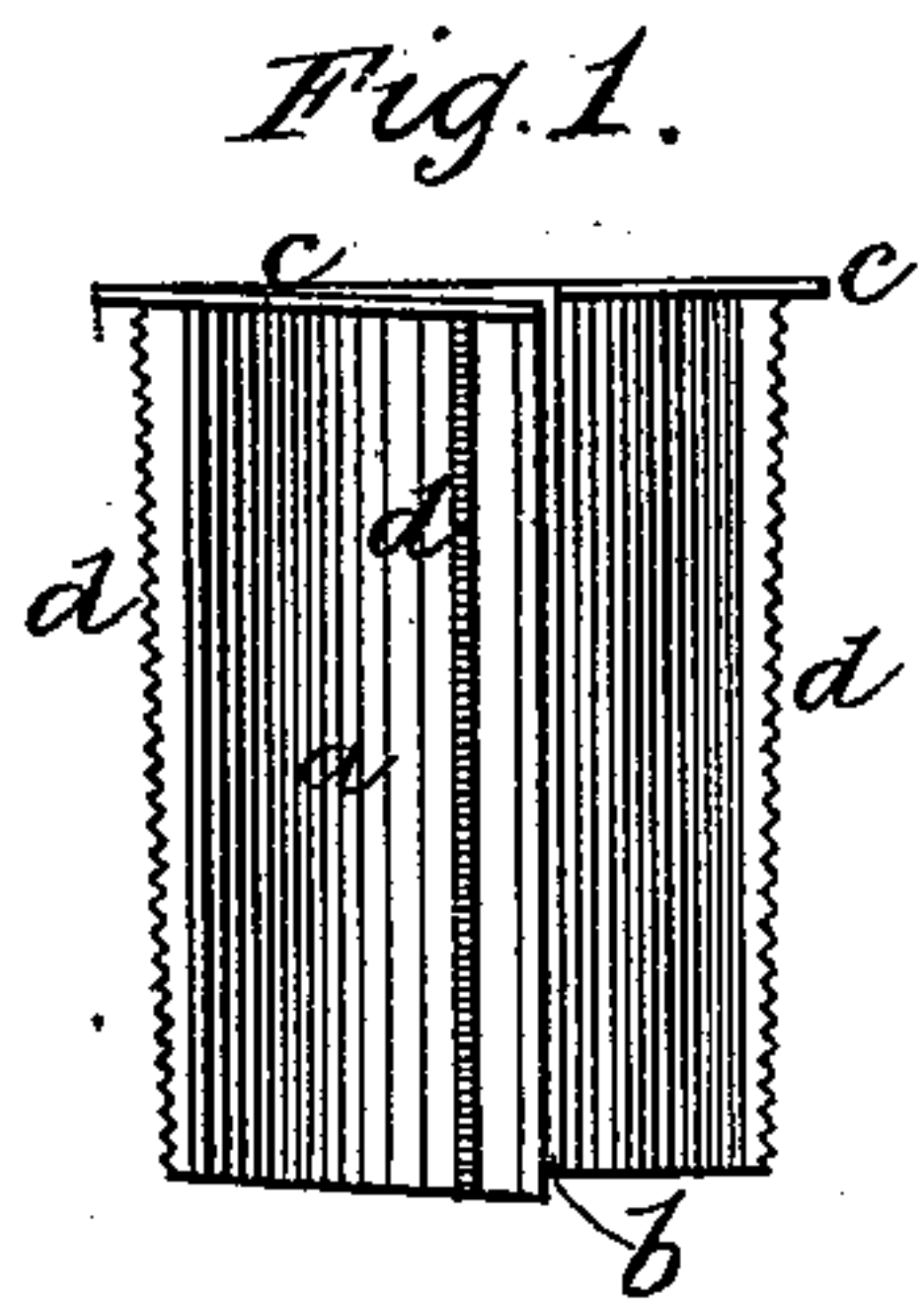


J. W. SPEAR.  
Candle-Holder.

No. 227,660.

Patented May 18, 1880.



Witnesses  
A. H. Kutt.  
C. H. Liddell

Inventor.  
J. W. Spear

# UNITED STATES PATENT OFFICE.

JACOB W. SPEAR, OF LONDON, ENGLAND.

## CANDLE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 227,660, dated May 18, 1880.

Application filed February 5, 1880.

To all whom it may concern:

Be it known that I, JACOB WOLF SPEAR, of London, England, have invented certain Improvements in Candle-Holders or Save-Alls, of which the following is a specification.

This invention relates to improvements in the construction of save-alls for holding candles in candlesticks and the like, the main object of the improvements being to render such save-alls self-adjustable, and thereby applicable to candles and candlesticks of all sizes.

In carrying out my invention I employ a split tube or cylinder made of thin sheet-brass or other suitable metal which has a certain amount of spring.

The upper end of the cylinder is formed with a flange, and on the periphery of the cylinder, and in the direction of the axis thereof, I fix or form a number of ribs or projections, such ribs tapering or inclining toward the bottom of the save-all, the edges of the said ribs being serrated or roughened.

In a modification of the apparatus I employ a slightly-conical cylinder in halves, jointed together at the lower and smaller end, the upper end of each half-cylinder being provided with a rim or flange. The periphery of the cylinder is provided with inclined serrated ribs, as hereinbefore described.

But to make my invention better understood, I will proceed to describe the same by reference to the accompanying drawings, in which—

Figure 1 is an elevation, and Fig. 2 a plan, of my improved spring-cylinder save-all; Fig. 3, a sectional elevation, showing the same applied to a candlestick and holding a candle; Figs. 4, 5, and 6, similar views to Figs. 1, 2, and 3, but showing the modified construction of apparatus.

In Figs. 1, 2, and 3, *a* is a tube or cylinder, split or open at one side only, as shown at *b*, and made of thin sheet-brass or other suitable metal which has a certain amount of spring.

*c* is the flange on the upper end of the cylinder, and *d d d* are the ribs or projections fixed vertically on the periphery of the tube *a*. The said ribs are inclined or wedge-shaped, as shown, and are roughened or serrated on their outer edges.

By this construction, if the improved save-all be placed in the socket *e* of a candlestick, as shown in Fig. 3, and the end of a candle,

*f*, be placed in the top of the save-all, by simply pressing downward the save-all its diameter will be contracted from the action of the inclined ribs *d* against the interior of the socket of the candlestick until the candle *f* is clasped securely, as shown. At the same time the tendency of the apparatus to expand outward will cause the said ribs *d* to be firmly pressed against the interior of the socket of the candlestick, thereby holding the save-all in position, further security being obtained from the effect of the serrated edges of the ribs.

In a modification of the apparatus shown in Figs. 4, 5, and 6, *g g'* are the two halves of a slightly-conical cylinder, the halves being jointed together at their lower end, *h*, as shown, thus forming a jointed tube split or open at opposite sides.

*i i'* are the rims or flanges on the half-cylinders *g g'*.

*d d d* are the inclined serrated ribs. The action of this modified construction of save-all is substantially the same as that hereinbefore described, except that it has no tendency to spring outward.

Candle-holders have been made of a coil having a smooth exterior, and also have been described as made with lever-jaws pressed together by a spring. These materially differ from my construction.

Having thus described my said invention and the best means with which I am acquainted for carrying the same into effect, what I claim is—

1. The improved candle-holder or save-all, consisting of a cylinder or tube open at the side and provided at its periphery with inclined serrated ribs or projections, as shown, adapted to press and be held against the interior of the socket of the candlestick, substantially as and for the purpose set forth.

2. A candle-holder in two vertical parts connected by a hinge or joint at the lower end and having the serrated exterior ribs, substantially as shown and described.

3. A candle-holder or save-all having inclined ribs or projections *d* extending lengthwise of the holder and serrated at their outer edges, as set forth.

J. W. SPEAR.

Witnesses:

A. ALBUTT,  
C. H. LIDDELL.