

E. Russell.

Imp^d Lamp Chimney Fastening.

N^o 71538

Patented Nov. 26, 1867

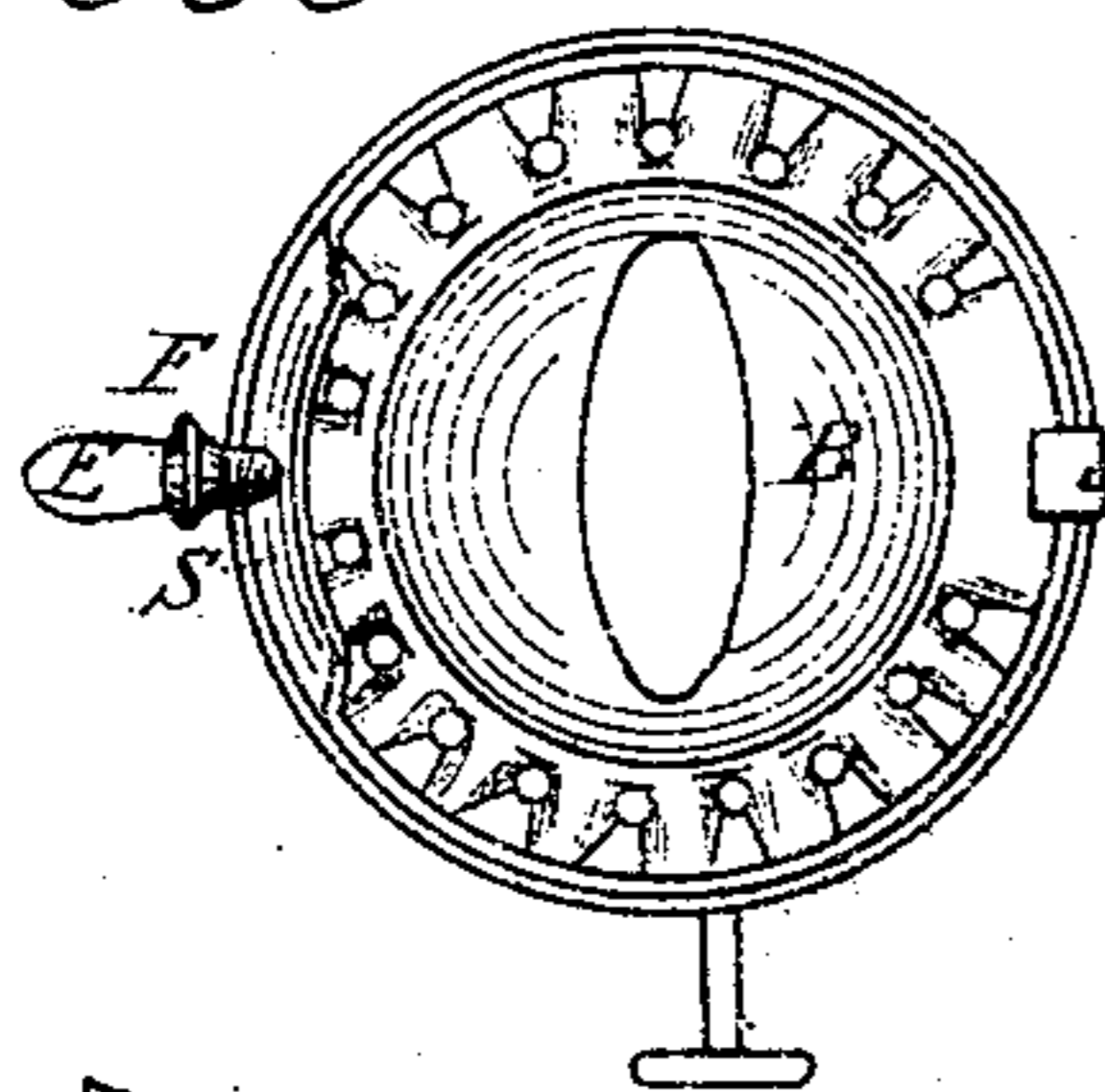


Fig. 2

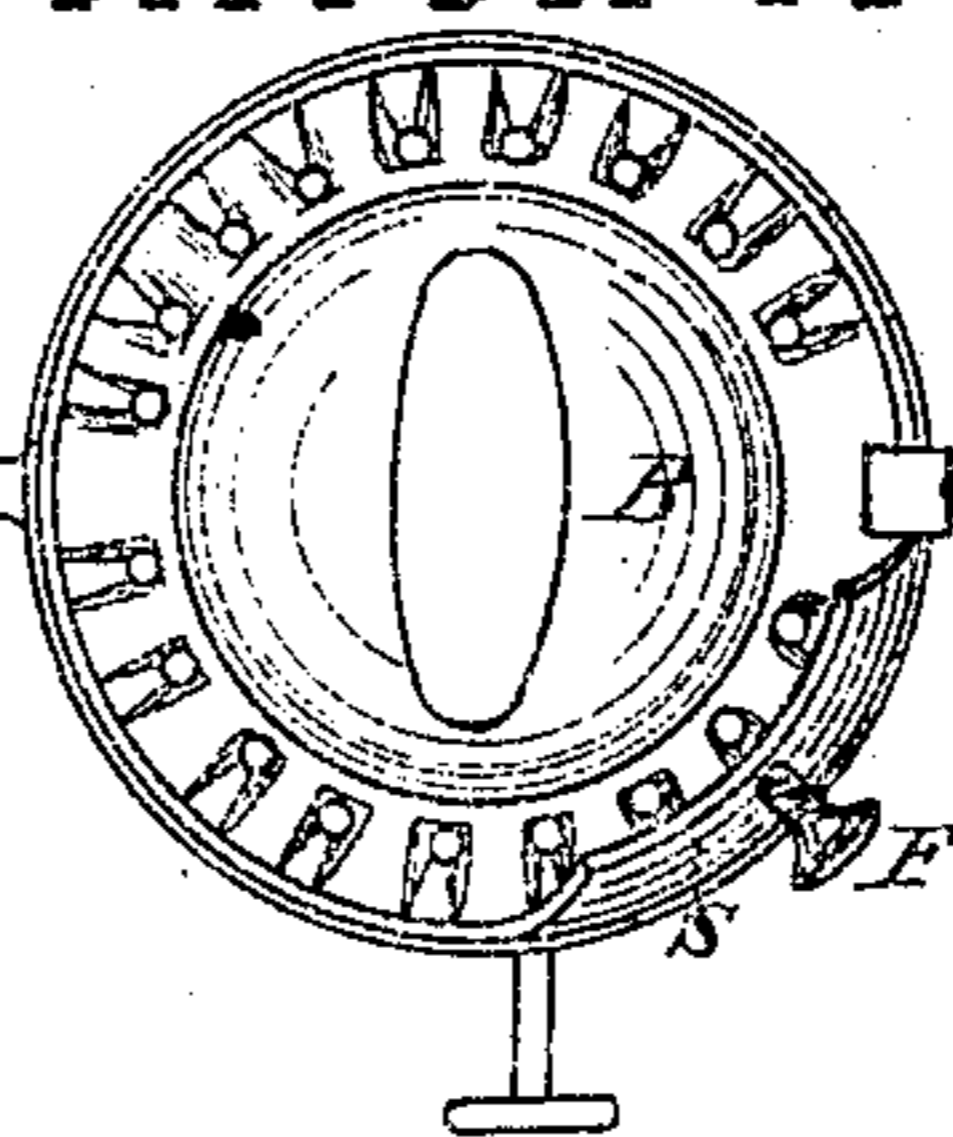


Fig. 3

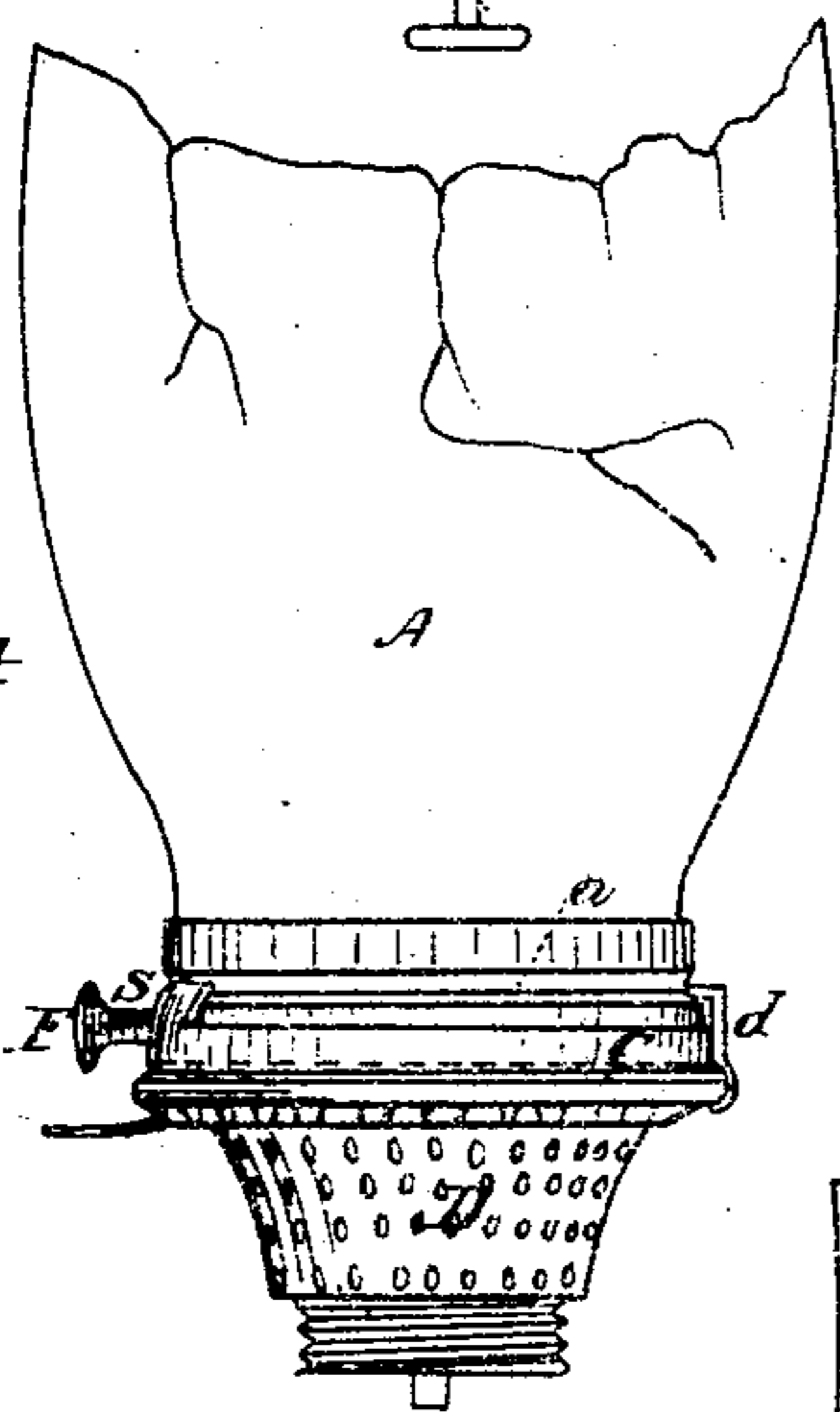


Fig. 4

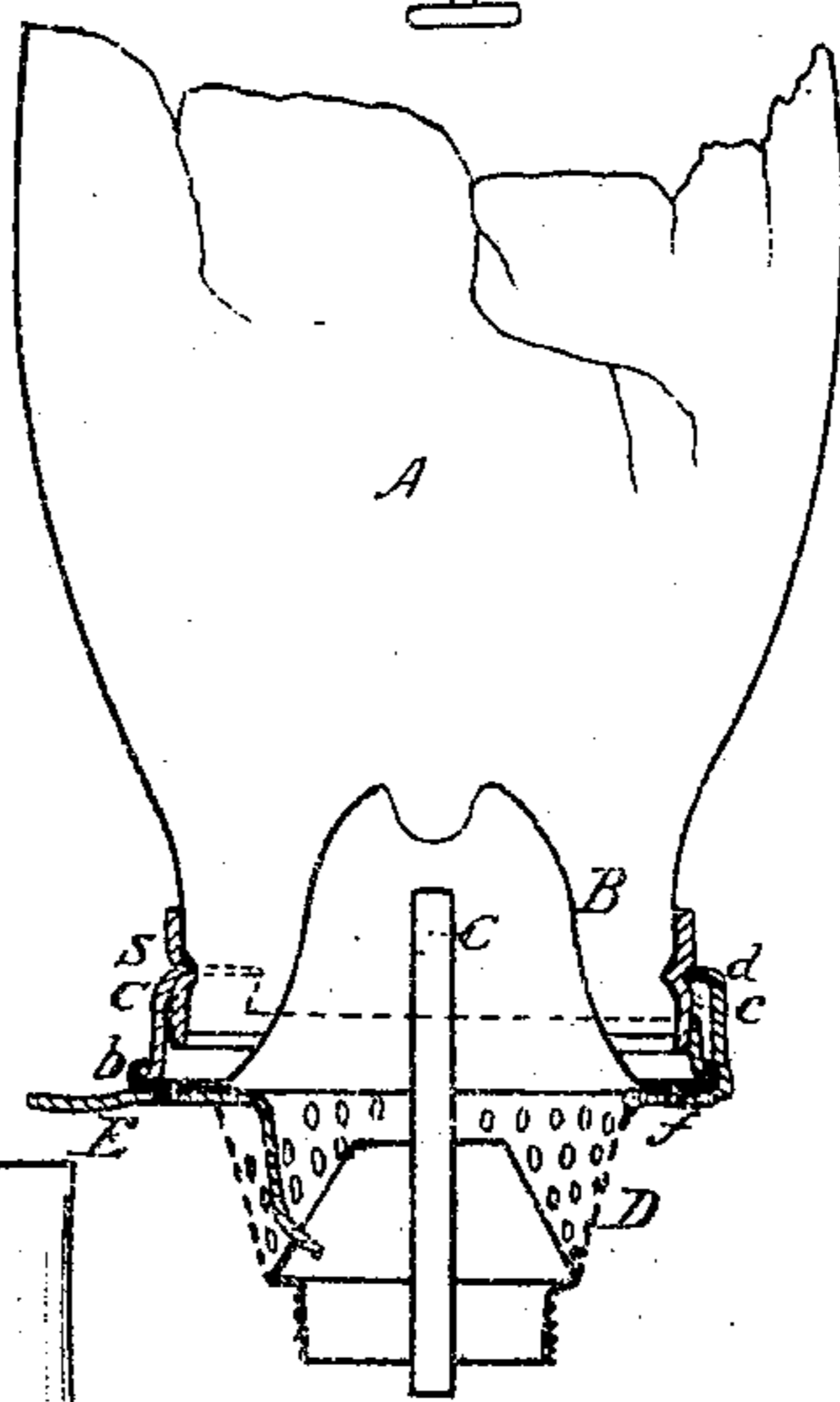


Fig. 5

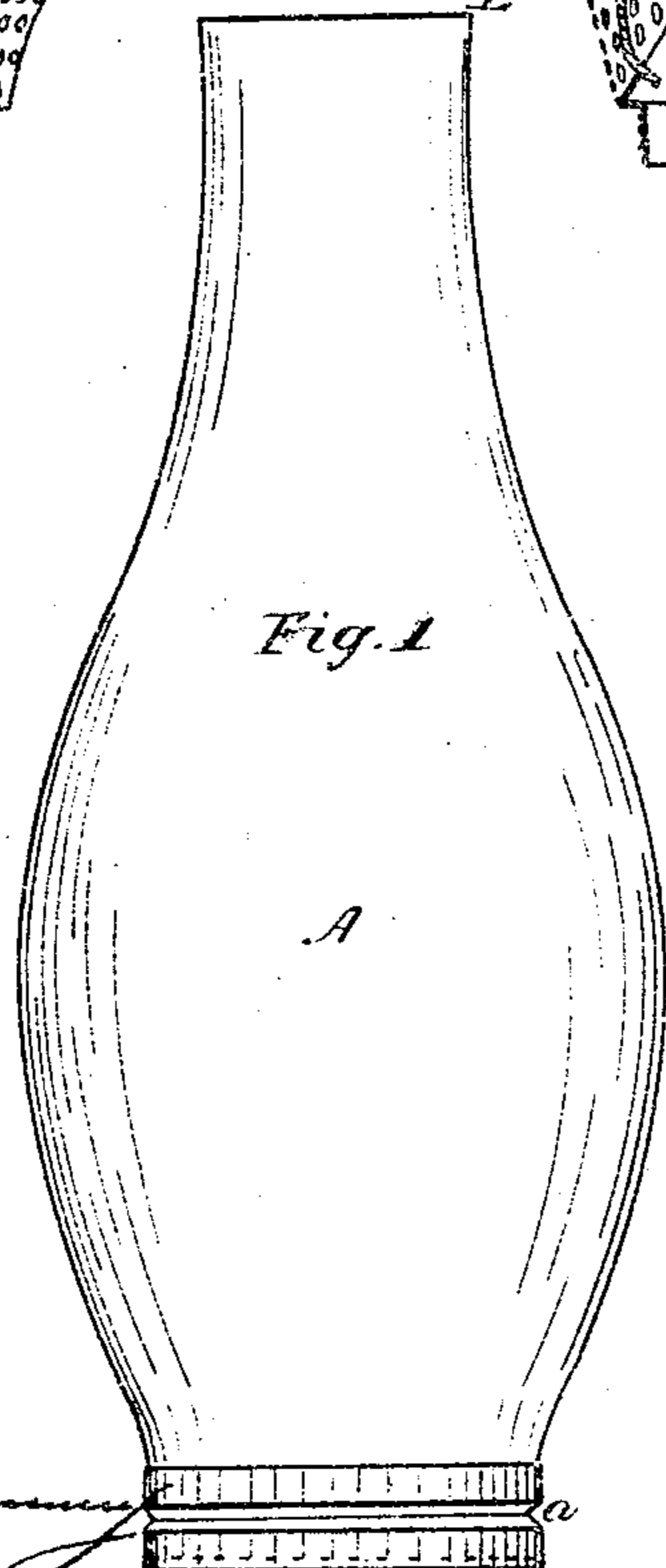


Fig. 1

Witnesses

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BY HIS ATTORNEY.

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United States Patent Office.

EDWIN RUSSELL, OF NAUGATUCK, CONNECTICUT.

Letters Patent No. 71,538, dated November 26, 1867.

IMPROVEMENT IN LAMP-CHIMNEY FASTENING.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, EDWIN RUSSELL, of Naugatuck, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Lamp-Tops; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a side view of the chimney.

Figures 2 and 3, top views of the burner, to illustrate the operation of the invention.

Figure 4, a side view of the burner and chimney attached, and in

Figure 5, a vertical central section of the same.

This invention relates to an improvement in the manner of securing the chimney to the burner, and consists, first, in forming the chimney with an annular groove around its base, and second, in a fixed and rotating hook attached to the burner, so that when the chimney is set in its place and the rotating hook turned partially around, so as to hook in the groove in the chimney, the chimney is securely held in the burner.

To enable others to construct my improvement, I will proceed to describe the same as illustrated in the accompanying drawings.

A is a common chimney, around the base of which is formed an annular groove, *a*, instead of the projecting lip, as heretofore formed. This groove I prefer to form in the glass itself, in the process of manufacture, yet, if preferred, a band of metal, having the groove formed in its surface, may be attached to the chimney, and thus is represented in fig. 1. This completes the first part of my invention.

B is the cone, C the wick-tube, and D the basket or top, attached to the lamp. The cone B is hinged to the basket at *f*, and secured by a spring, E or otherwise, all constructed in the usual manner. Upon one side of the base of the cone I form or attach a hook, *d*, formed so as to correspond to the groove in the chimney, as seen in figs. 4 and 5. Upon the base of the cone I fit a ring, *c*, having a flange upon its lower edge, over which the base of the cone is turned, as denoted at *b*, fig. 5. Upon the said ring *c* is formed a hook or hooked flange, *s*, also corresponding to the groove in the chimney. The said hook *s* may be turned in its seat upon the base of the cone, to any desired point around the base, and for convenience of such turning, I attach a knob, F, to the said hook.

The operation of the two hooks to secure the chimney is as follows: Turn the hook *s* to the position denoted in fig. 3; then insert the chimney as seen in fig. 5, in the usual manner for placing the chimney upon common burners, and when so set, turn the hook *s* to the position denoted in figs. 2 or 4, and the chimney will be firmly attached to the burner, and so that it cannot be accidentally removed. To remove the chimney, return the hook *s* to the position denoted in fig. 3.

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

1. The annular groove *a*, formed upon or attached to the base of the chimney, substantially as described.
2. The rotating hook *s*, constructed and arranged to operate so as to secure the chimney to the lamp-top, substantially as described.

EDWIN RUSSELL.

Witnesses:

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