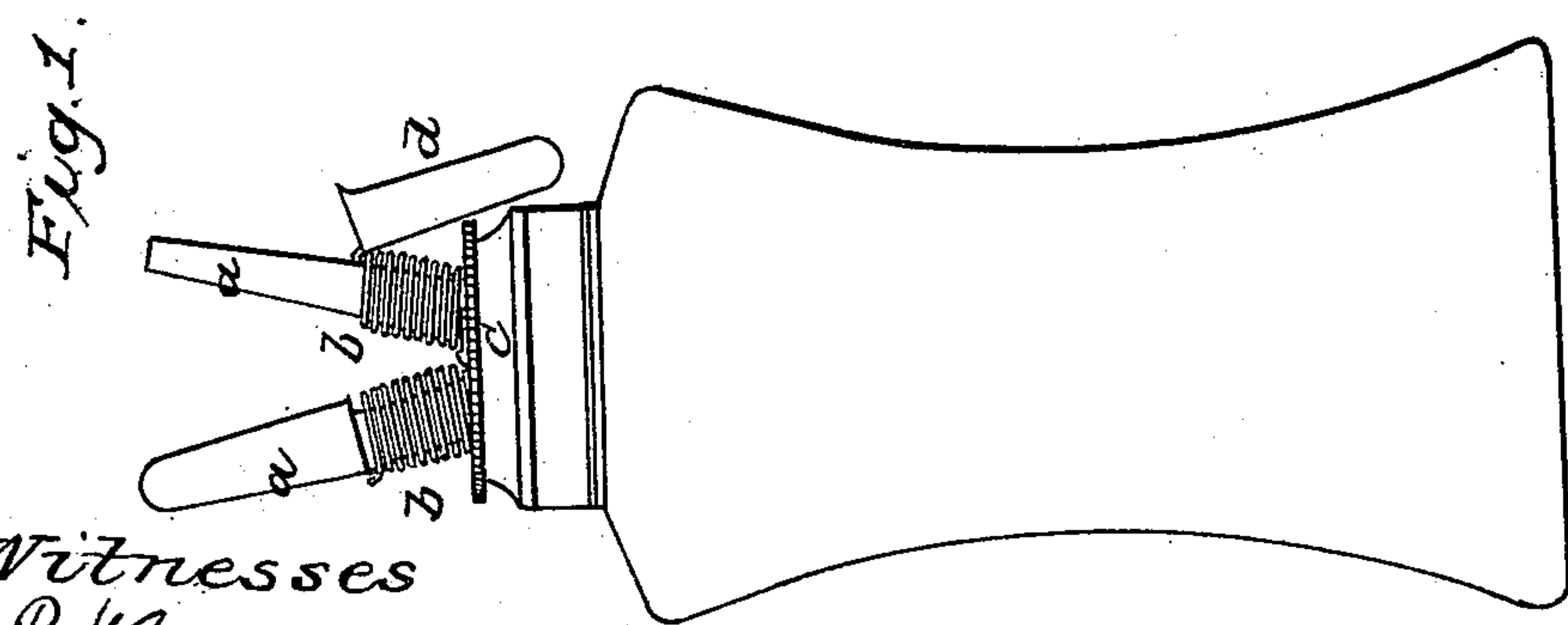
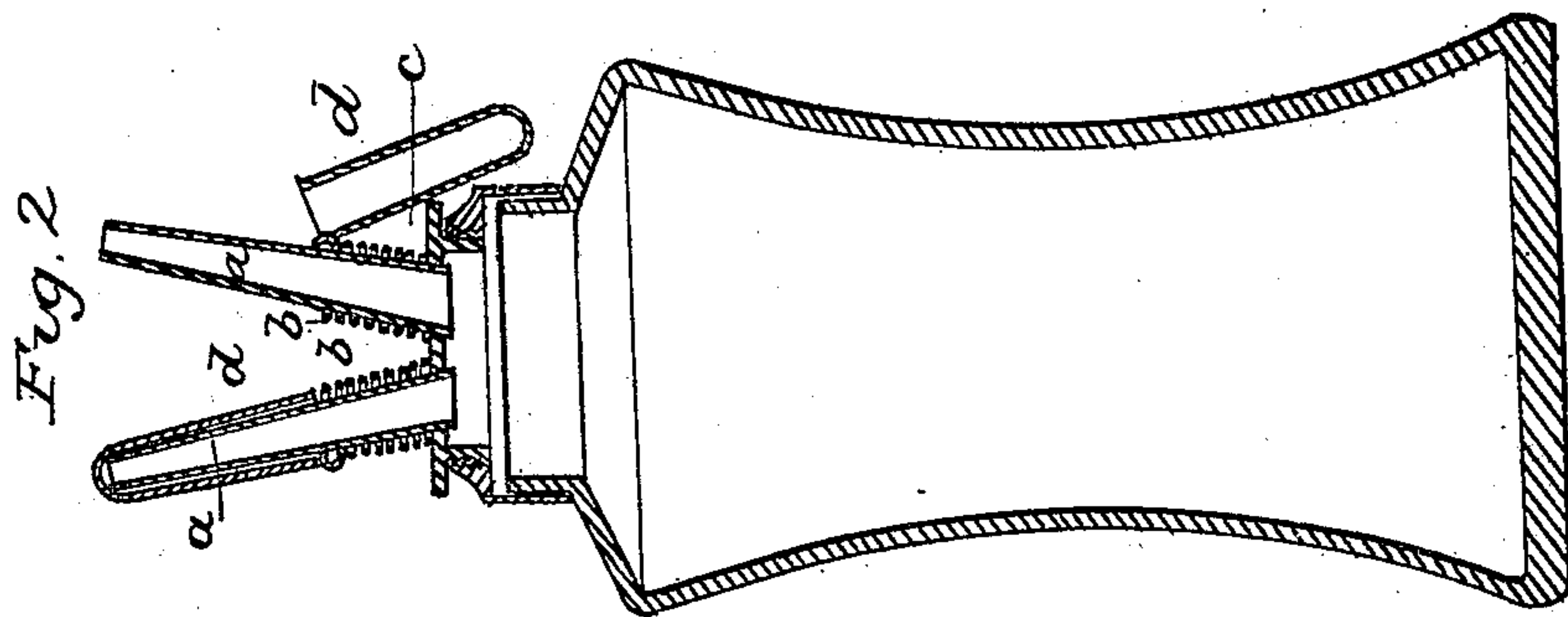


F. A. JEWETT.

Lamp Cap.

No. 13,910.

Patented Dec. 11, 1855.



Witnesses
J. P. Howland
E. B. Howland
W. Howland

Inventor
F. A. Jewett

UNITED STATES PATENT OFFICE.

F. A. JEWETT, OF ABINGTON, MASSACHUSETTS.

MODE OF ATTACHING EXTINGUISHERS TO LAMPS.

Specification of Letters Patent No. 13,910, dated December 11, 1855.

To all whom it may concern:

Be it known that I, F. A. JEWETT, of Abington, in the county of Plymouth and State of Massachusetts, have invented certain new and useful Improvements in Caps or Extinguishers, Used for Spirit-Lamps, &c., and that the following description, taken in connection with the accompanying drawings, hereinafter referred to, forms a full and exact specification of the same, wherein I have set forth the nature and principles of my said improvements by which my invention may be distinguished from other of a similar class, together with such parts as I claim and desire to have secured to me by Letters Patent.

The figures of the accompanying plate of drawings represent my improvements.

Figure 1 is an elevation of a lamp with my improvements applied thereto. Fig. 2 is a central vertical section of the same.

The essential feature of my improved lamp cap or extinguisher, consists in the manner of attaching it to the lamp, whereby the use of chains or other objectionable modes of attachment is avoided, and the evaporation of the fluid from the wick, which takes place in all spirit lamps hitherto constructed, and prevents their being readily lighted,—is prevented.

By my improvements the cap is held down on the wick, with a constant pressure, when the light is extinguished, by means of a spiral spring coiled around the wick tube, the said spring being distended while the cap is being placed over the wick, and contracted when the cap is removed from the same.

a, a in the drawings represent the wick tubes. Around the lower part of each tube is coiled a spiral spring *b, b* one end of which spring is secured in the screw plate *c*,

and the other end to the bottom of the cap or extinguisher *d, d*.

The cap is placed over the wick, by lifting it up till the mouth of the cap is brought over the top of the wick tube, (the spiral spring *b* being, of course distended) when, on relieving the cap from the hand, it will be drawn down over the wick by the contraction of the spiral spring which by its elastic force, will hold the cap tightly upon the wick. When the cap is lifted off the wick tube, the contraction of the spring carries it down by the side of the tube, where it hangs, as clearly shown in the drawings.

By the above description it will be seen that the evaporation of the fluid from the wick is effectually prevented, as the cap is tightly held upon the same by a constant pressure, which result has never been attained in the lamp caps that have heretofore been devised, while the manner of attaching the cap to the lamp obviates the objections attendant upon the use of chains, or other modes commonly employed.

Having thus described my improvements, I shall state my claims as follows:

What I claim as my invention and desire to have secured to me by Letters Patent is—

Attaching the cap or extinguisher to the lamp, by means of a spiral spring coiled around the wick tube, and secured at one end to the cap, and at the other to the screw plate *c*, or any other convenient locality, whereby the cap is tightly drawn down over the wick as described.

F. A. JEWETT.

Witnesses:

FREEMAN P. HOWLAND,
ELIZA B. HOWLAND,
C. W. HOWLAND.