

(No Model.)

J. S. FOSTER.
LAMP CHIMNEY FASTENING.

No. 350,125.

Patented Oct. 5, 1886.

Fig. 1.

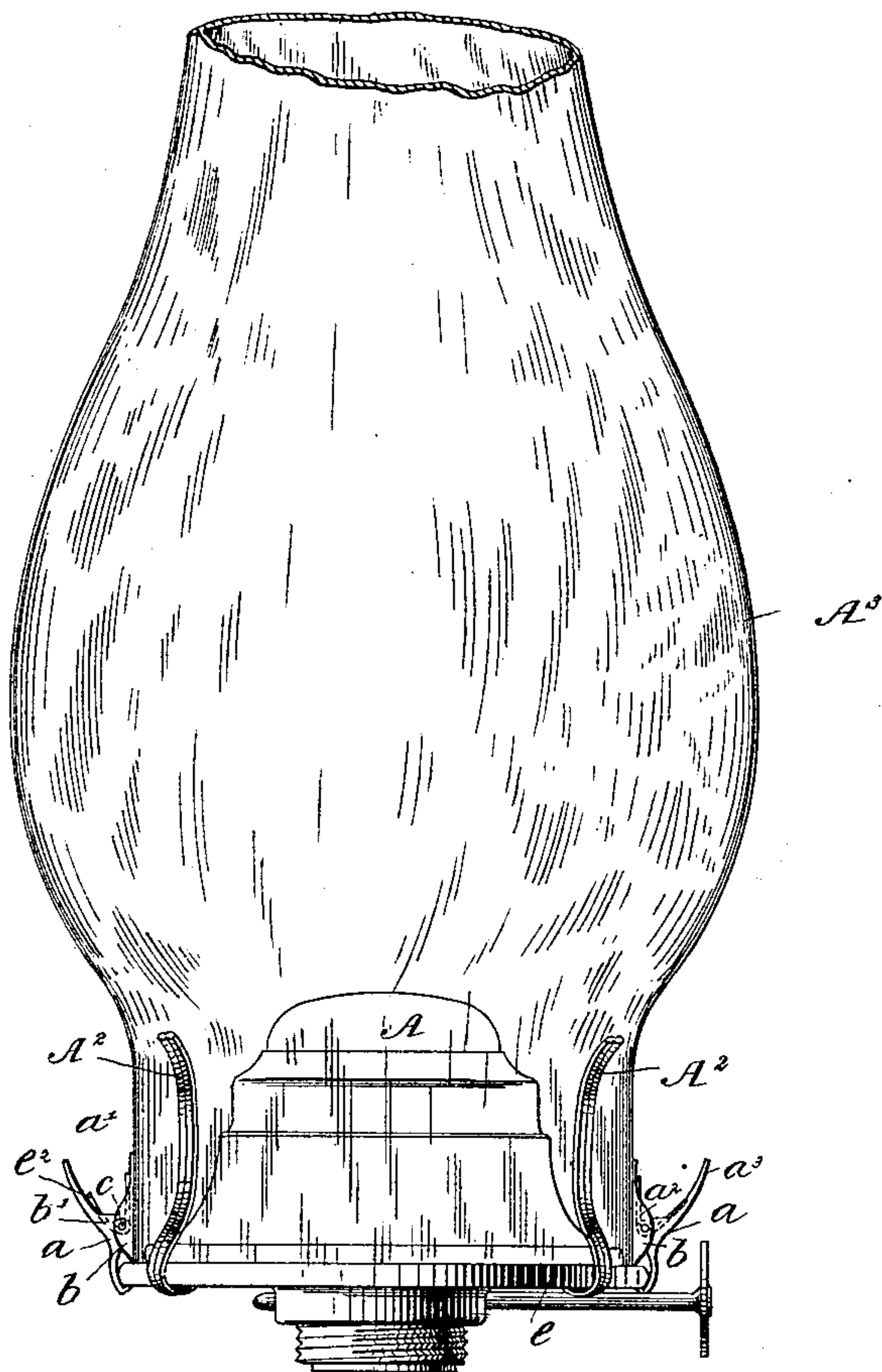


Fig. 2.

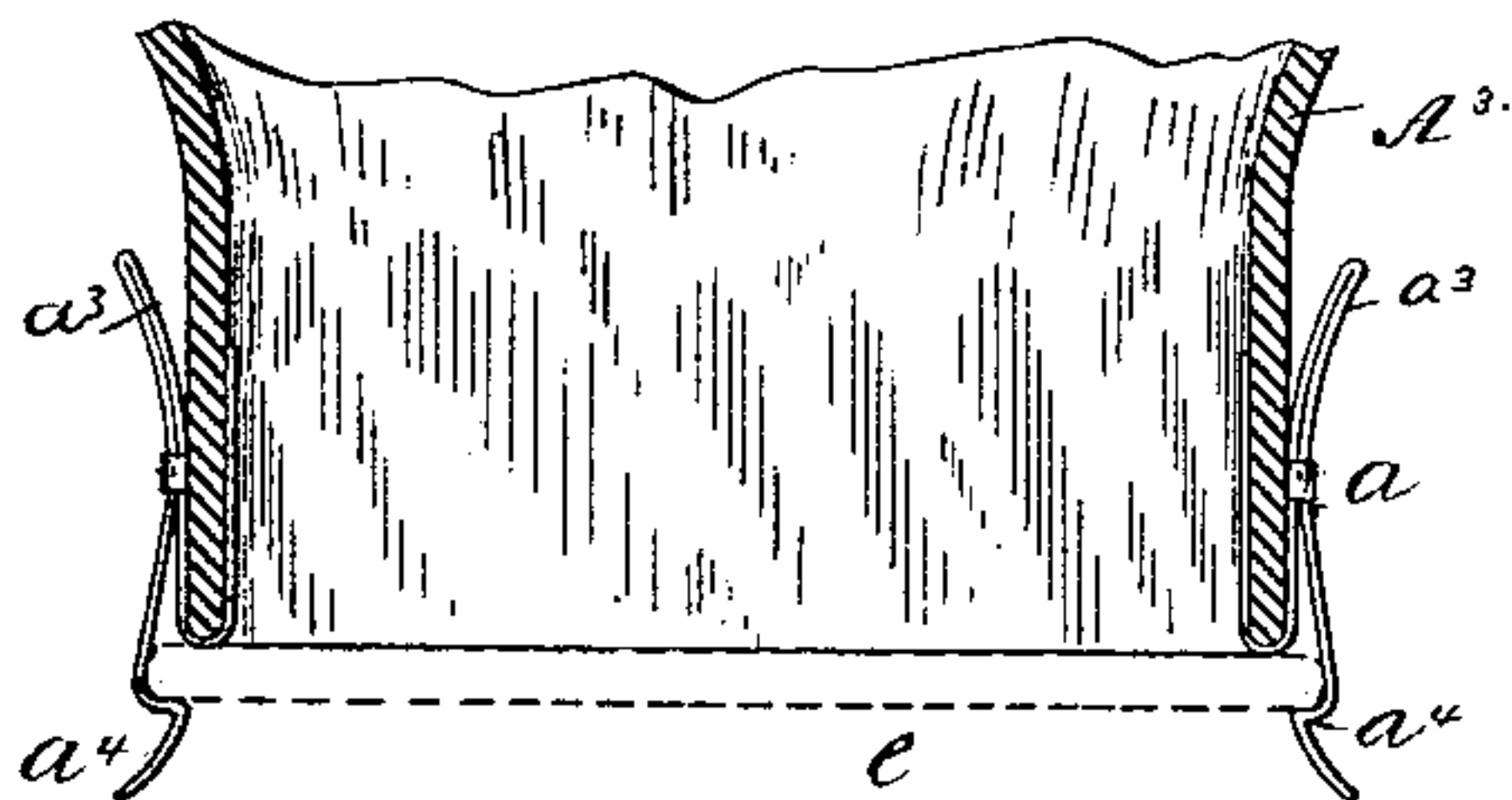
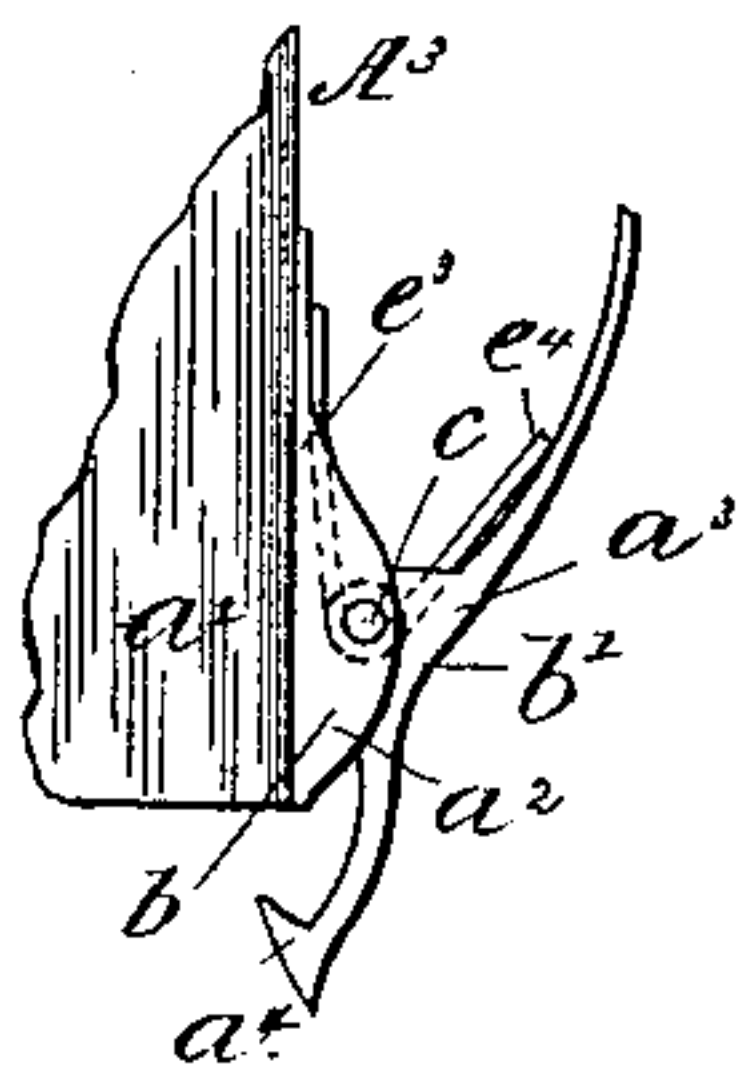


Fig. 3.



Witnesses:
John A. Kennie.
Lucas L. Emery.

Inventor,
Joseph S. Foster
Per: Emory & Gregory
His Attys.

UNITED STATES PATENT OFFICE.

JOSEPH S. FOSTER, OF SALEM, MASSACHUSETTS.

LAMP-CHIMNEY FASTENING.

SPECIFICATION forming part of Letters Patent No. 350,125, dated October 5, 1886.

Application filed September 11, 1885. Serial No. 176,828. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH S. FOSTER, of Salem, county of Essex, and State of Massachusetts, have invented an Improvement in Lamp-Chimney-Fastening Devices or Clutches, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

As heretofore constructed, lamps have been wanting in means to securely hold the usual chimney in place upon the burner, so that the said lamp may be handled without danger of dislodging the chimney. To prevent the chimney from falling off the burner, the latter has been provided with upwardly-extended yielding arms, down between which the base of the chimney is pressed to a seat on the said burner, the said yielding arms pressing against the circumference of the base part of the chimney to hold it in its proper position. The chimney has also been surrounded at its top by a spiral spring connected by rods with the burner; and so, also, the base of the chimney has been surrounded by a clamp, as in United States Patent No. 34,900, dated April 8, 1862.

My invention has for its object to obviate this defect; and it consists, essentially, of a chimney provided with spring-actuated fastening devices, to be described, preferably located outside and near the base of the chimney, said fastening devices being bent or hooked at their ends, to engage the rim of the burner and hold the chimney securely in place until positively released by hand.

Figure 1 is a vertical elevation of a burner and chimney, the latter provided with my improved fastener or clutch; Fig. 2, a sectional view with the chimney broken off, showing a modification of the fastener; and Fig. 3 is a detail view, to be referred to.

The burner A and the yielding arms A² are of usual construction. The chimney A³, of glass or other usual material, is provided with fastening devices a a, which are secured to the outside of the chimney A³, near its base a', by means of glue or cement capable of retaining its adhesive property, even though exposed to a high temperature. The fastening

device a (shown in Figs. 1 and 3) is composed of two independent pieces of metal, a² a³, each provided with ears or projections b b', through which rod c is extended, the said rod serving as a pivot for the pieces a² a³, the piece a³ being longer than the piece a², and being curved or bent at its end, so as to form a hook, a⁴, to grasp the rim e of the burner when the chimney is placed in position thereon. The rod c is encircled by a spring, e², having its opposite ends e³ e⁴ bearing against the pieces a² a³, so as to force the said pieces together, so that the hooked end a⁴ will be in line with the edge or the rim e of the burner, the ends e³ e⁴ of the said spring being brought or moved toward each other when the hooked end a⁴ strikes the said rim, the said spring being of sufficient strength to hold the chimney firmly on the burner when the hooked end a⁴ has engaged the rim e.

Other modifications of the fastener or clutch—such as shown in Fig. 2—may be used without departing from my invention; and so I do not limit myself to the special form of fastener shown.

In Fig. 2 the fastening device is shown as a piece of spring metal bent to embrace the end of the chimney and to present a spring-hook, as at a⁴. It is obvious that by forcing the outwardly-turned upper ends of the arms a² of the fastening devices inward the hooks a⁴ at the lower ends thereof may be disengaged from the rim e of the burner, so that the chimney may be readily removed.

I claim—

The combination, with a lamp-chimney, of spring fastening devices secured to the base thereof and provided at their lower ends, below said base, with hooks, and having at their upper ends outwardly-turned arms, which, when forced inward, release said hooks, substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH S. FOSTER.

Witnesses:

MARY T. HANNAN,
HENRY M. MEEK.