

E. J. BLACKHAM.
Lamps.

No. 199,254.

Patented Jan. 15, 1878.

Fig. 1.

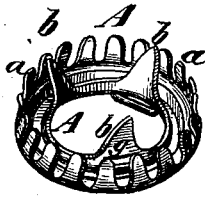


Fig. 2.

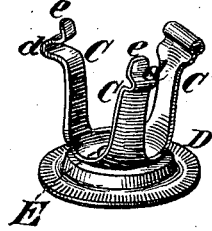
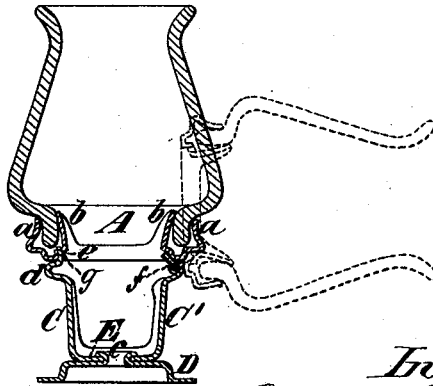


Fig. 3.



Witnesses

John Becker
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Inventor

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by His Attorneys
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UNITED STATES PATENT OFFICE.

ELI J. BLACKHAM, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE
WILMOT MANUFACTURING COMPANY, OF SAME PLACE.

IMPROVEMENT IN LAMPS.

Specification forming part of Letters Patent No. **199,254**, dated January 15, 1878; application filed
December 10, 1877.

To all whom it may concern:

Be it known that I, ELI J. BLACKHAM, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Lamps; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification.

This invention consists in a novel construction of a shade-holder or chimney-holder, and mode of applying the same with a hinged connection to the burner-cap of a lamp.

Figure 1 in the drawing is a perspective view of the holder. Fig. 2 is a perspective view of the crown of the burner-cap and the holder-supports. Fig. 3 is a vertical section of the crown of the burner-cap, with the holder-support, holder, and shade attached.

The holder A is represented in Fig. 3 as applied to a lamp-burner, in which the lower edge of the shade or chimney is elevated above the burner-cap; but it may be applied to a lamp in which the shade is not so elevated. It consists of a ring of brass or other metal, having all round its outer margin a series of upwardly-projecting prongs, *a a*, within which the base or shade of the chimney B is received; and it has on its inner margin three or more upwardly-projecting prongs, *b b*, outside of which the base of the chimney or shade is received, the base resting upon the ring between the said prongs *a a* and *b b*, which, by their elasticity, are caused to press upon the sides of the chimney or shade *o*, the external prongs *a a* pressing against its exterior, and the internal prongs *b b* pressing against its interior, and the two sets of prongs combining to hold the shade or chimney securely, so that it will not drop out of the holder when it and the holder are turned aside to light or trim the lamp, as shown in the dotted outline in Fig. 3.

The holder A is shown supported by elastic elevated arms C C C', which stand upon the

crown D of the burner-cap. These arms, of which there may be three or more, are represented as made of the same piece of metal, with a central hub, E, which is riveted or otherwise secured to the burner-cap, and through the center of which is an opening, *c*, for the wick-tube. One of the said arms (marked C') has the holder A hinged to it at *f*, and the others, C C, are bent near the upper ends, as shown in Figs. 2 and 3, to form shoulders *d d* for the holder A to rest upon, and tongues *e e*, above the said shoulders, to enter inside of the holder.

The elastic arms C C' are so set that when the holder A is brought down over them it will press against the exteriors of the tongues *e e*, draw the arms C C or the tongues inward, and pass down the said tongues to the shoulders *d d*; and, when it rests on the said shoulders, it will be held by the outward pressure of the said tongues, which is due to the elasticity of the arms C C. When it is desired to turn the shade or chimney and its holder aside, as shown in dotted outline in Fig. 3, the arms or their tongues spring inward, to allow the holder to pass over them.

Holes *g g* may be made in the rings behind the prongs *b b*, for the tongues *e e* to enter.

What I claim as my invention, and wish to secure by Letters Patent, is—

1. The holder composed of a ring, A, with external prongs *a a* and internal prongs *b b*, substantially as and for the purpose herein described.

2. The combination of the burner-cap, the shade-holder or chimney-holder, and the elevated arms C C C', one of the said arms having the said holder hinged to it, and the other being provided with shoulders *d d* and tongues *e e* above said shoulders, substantially as herein described.

ELI J. BLACKHAM.

Witnesses:

ISAAC C. FOWLER,
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