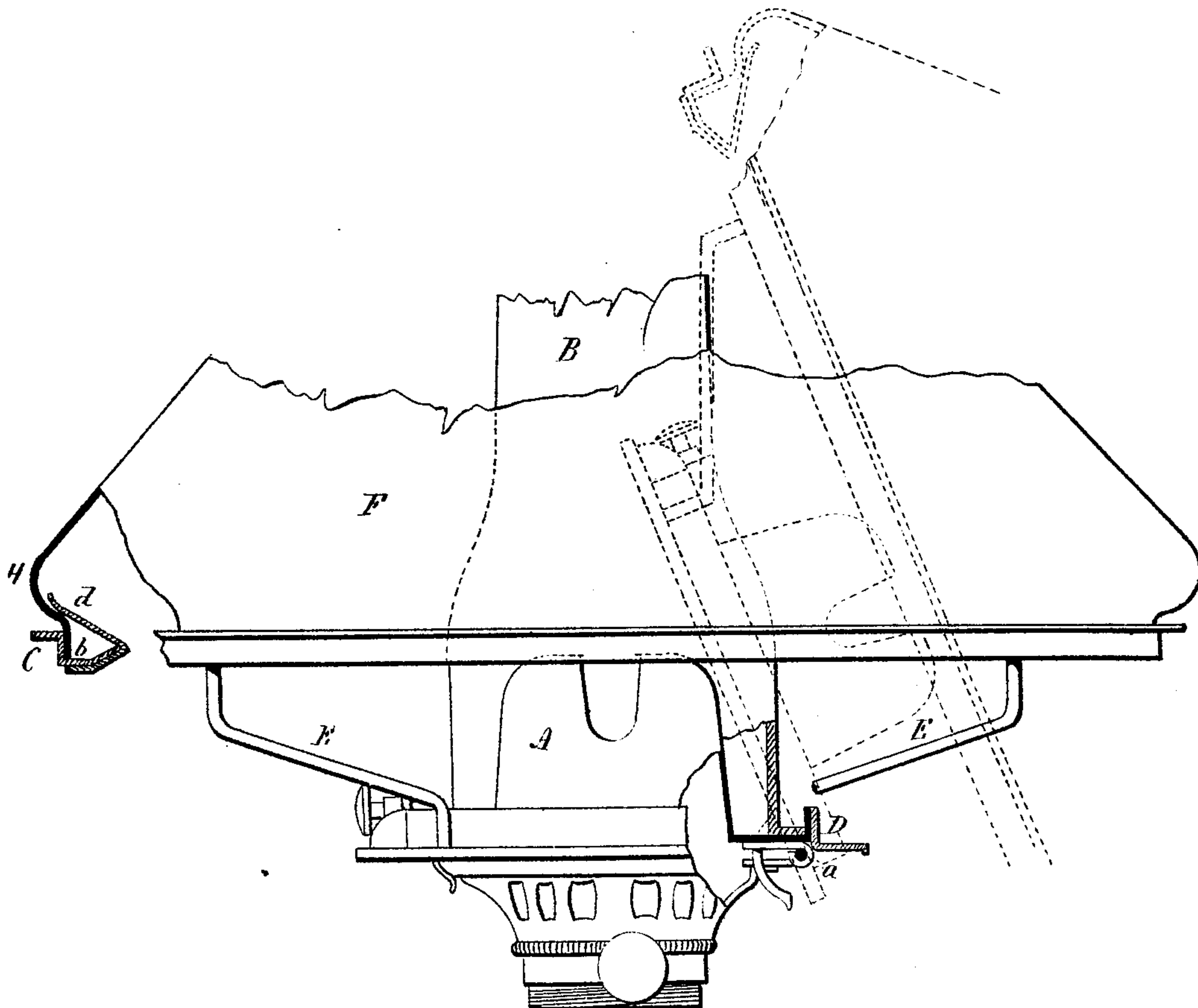


O. N. PERKINS.
SHADE-HOLDER.

No. 183,965.

Patented Oct. 31, 1876.



Orson N. Perkins
Inventor

Witnesses

W. H. Channing
Clara Broughton.

Wm. E. Earle

UNITED STATES PATENT OFFICE.

ORSON N. PERKINS, OF WEST MERIDEN, CONNECTICUT, ASSIGNOR TO
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IMPROVEMENT IN SHADE-HOLDERS.

Specification forming part of Letters Patent No. **183,965**, dated October 31, 1876; application filed
August 14, 1876.

To all whom it may concern:

Be it known that I, ORSON N. PERKINS, of West Meriden, in the county of New Haven and State of Connecticut, have invented a new Improvement in Shade-Holders; 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 a sectional side view of a burner and shade illustrating the improvement.

This invention relates to an improvement in that class of shade-rings which are attached to the chimney-holder hinged to the burner, so that both chimney and shade may be turned away from over the wick for the purpose of trimming or lighting, the object being to secure the shade to the ring, in order to prevent its falling from the ring when turned away from the burner. It consists in combining with the ring of a combined hinged chimney and shade holder an internal hook, which will bear upon an internal shoulder of the shade above the seat on the ring, so as to hold the shade down into its seat, as more fully hereinafter described.

The burner represented is that known to the trade as the "Sun hinge." Its construction is too well known to require description. The construction of the burner, however, has nothing to do with this invention.

a is the hinge, by which the cone A and the chimney-rest are connected to the burner, the chimney B secured to the chimney-rest in

the usual manner. C is the shade-ring connected to a ring, D, which is set over and fits closely to the chimney-rest. From the ring D several supports, E, extend to the shade-ring. This shade-ring is constructed with an internal shoulder, *b*, onto which the shade F sets. The shade is constructed with an enlargement, H, just above the ring, and from the inside of the ring, a hook-shaped piece, *d*, extends upward and outward over the shoulder formed by the enlargement H of the shade, as shown. This piece *d* may be made with a considerable degree of elasticity, but must be substantially rigid in order to hold the weight of the shade when it is turned from the burner, and its position is opposite the hinge *a*. The shade is placed in position by first introducing the edge into the ring C beneath the hook *d*, and then turning the shade down until it rests upon the ring throughout. In this condition, when the shade and chimney rest are turned up, as for the purpose of trimming or lighting, as indicated in broken lines, the hook *d* holds the shade upon the ring and prevents the possibility of its accidental removal.

Any shoulder or projection upon the shade, upon which the hook *d* may bear, will answer the same purpose as the enlargement shown.

I claim—

In a combined hinged lamp-shade and chimney holder, the internal hook *d* arranged relatively to the hinge, substantially as described.

O. N. PERKINS.

Witnesses:

E. C. BIRDSEY,
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