

(No Model.)

W. R. WEARN.
SHADE HOLDER FOR CANDLES.

No. 493,198.

Patented Mar. 7, 1893.

Fig. 1.

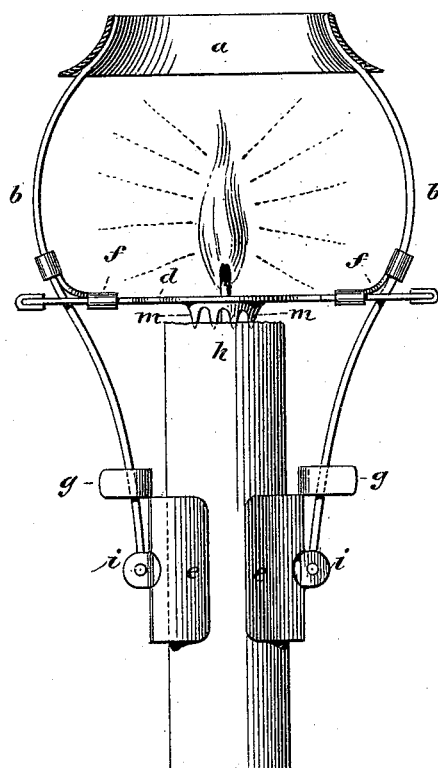


Fig. 2.

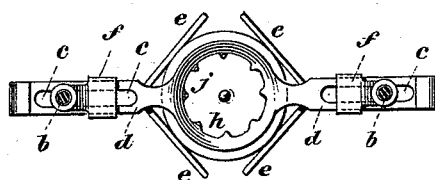
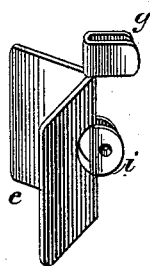


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WALTER R. WEARN, OF BROOKLYN, NEW YORK, ASSIGNOR OF ONE-HALF
TO GEORGE N. MILLER, OF SAME PLACE.

SHADE-HOLDER FOR CANDLES.

SPECIFICATION forming part of Letters Patent No. 493,198, dated March 7, 1893.

Application filed September 27, 1892. Serial No. 447,015. (No model.)

To all whom it may concern:

Be it known that I, WALTER R. WEARN, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Shade-Holders for Candles, of which the following is a specification.

The invention relates to improvements in shade holders for candles, and its object is to produce a holder which can be readily adapted to the various sizes of candles and will have when in use a regular perpendicular descent, thus preventing the shade from tilting or becoming scorched or burned.

To these ends, the invention comprises a holder having the usual shade supporting ring, side arms adapted to have a lateral movement toward or from each other and carrying at their lower ends pivotally secured guides to clasp the sides of the candle, and an intermediate transverse bar adapted to rest upon the upper end of the candle and provided with a central opening to receive the candle wick, all as hereinafter more fully described and particularly pointed out in the claims.

Referring to the accompanying drawings, Figure 1 is a side elevation, partly in section, of a shade holder for candles constructed in accordance with and embodying the invention. Fig. 2 is a transverse section of same looking downward upon the intermediate transverse bar which rests upon the upper end of the candle, and Fig. 3 is a detached perspective view of one of the guides which clasp the sides of the candle.

In the drawings *a* indicates the usual ring for supporting the shade, and *b, b*, the side arms secured at their upper end to said ring and at their lower end being provided with the pivotally secured guides *e, e*, which in the present instance are angular in cross section, as illustrated more clearly in Figs. 2 and 3, and provided at their upper ends with the guides *g, g*, adapted to pass on opposite sides of the side arms *b, b*. The clamps *e* are each struck up from a single piece of metal with lips which are folded to form the guides *g* and additional lips *i* which are folded to form

bearings for the pivots securing said guides *e, e* to the lower ends of the side arms *b, b*. By reason of the angular form of the guides *e* it will be apparent, upon reference to Fig. 2, that the surfaces of the candle are in contact with the guides only at definite opposing points and not along their entire inner circumference, and hence there will be no danger of the guides hugging the sides of the candle so firmly as not to move downward under the weight of the shade and holder.

At a suitable point intermediate the guides *e* and the ring *a*, the side arms *b, b*, are provided with the sleeves *f, f*, extending inward on a horizontal plane and receiving the transverse bar *d*, which is slotted at its outer ends, as shown at *c*, to receive said arms *b*, and is of suitable form to permit the said sleeves *f, f*, to slide toward or from each other under the movement of the said arms *b, b*. The sleeves *f, f*, do not rigidly receive the ends of the transverse bar *d* and hence when desired the arms *b, b*, may be moved toward or from each other as desired, the said sleeves during such operation moving on the transverse bar *d*. The elongated slots *c* admit of the movement of the said arms *b, b*, toward or from each other without affecting the central position of the transverse bar *d*. At the center of the transverse bar *d* there is provided the aperture *j* which passes over the wick of the candle and is encircled by the downwardly projecting serrations or teeth *m* which engage the upper surface of the candle as indicated in Fig. 1. The transverse bar *d* resting on the upper end of the candle forms a central support for the shade holder and lowers as the candle is consumed, thus maintaining in the usual way the uniform relation between the flame and the shade. The teeth *m* engage the upper end of the candle firmly but at the same time permit the circulation of air around the lower central portion of the transverse bar *d* and thus avoid a too rapid or an uneven consumption of the candle.

The object of having the side arms *b, b* capable of movement toward or from each other is to adapt the holder for candles varying in size, without at the same time having the guides *e* so firmly closed against or so loosely

encircling the candle as to prevent the descent of the holder on a regular perpendicular plane. The guides *e, e*, will be closed against the sides of the candle with just the pressure necessary to properly guide and afford sufficient support to the holder. The sleeves *f* permit the lateral movement of the side arms *b, b*, without affecting the position of the transverse bar *d*, but at the same time the friction of the sleeves *f* on said transverse bar *d* will be sufficient to maintain the side arms *b* in the position given them. The guides *e, e*, being pivotally secured to the lower ends of the side arms *b* will adapt themselves to the vertical sides of the candle whether said arms *b* are pushed outward to receive a large candle or inward to inclose a smaller one. The upper ends of the arms *b, b*, may be soldered or otherwise secured to the ring *a* and said arms may have owing to their own elasticity an appropriate spring tension toward each other, thus maintaining the clamps against the candle.

In the use of the holder, it is simply necessary to pass the guides *e, e*, on opposite sides of the candle and close them against the same after resting the transverse bar *d* around the candle wick.

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

1. A shade holder consisting of the side

arms *b, b*, capable of movement toward or from each other and supporting the shade ring at their upper ends combined with a supporting bar carried by said arms and resting on the candle, and the sheet metal guides *e, e* secured to the lower end of said arms and being angular in cross section; substantially as and for the purposes set forth.

2. The shade holder having side arms capable of movement toward or from each other, and a support to rest upon the candle, combined with pivotally mounted guides *e* angular in cross section and provided with the guides *g*; substantially as set forth.

3. The shade holder having side arms, combined with the transverse supporting bar *d* having the central opening *j* and slots *c*; substantially as set forth.

4. The shade holder having the side arms *b* carrying sleeves *f*, combined with the transverse bar *d* secured in said sleeves and having the central opening *j* and downwardly depending teeth *m*; substantially as set forth.

Signed at New York, in the county of New York and State of New York, this 24th day of September, A. D. 1892.

WALTER R. WEARN.

Witnesses:

CHAS. C. GILL,
GEO. N. MILLER.