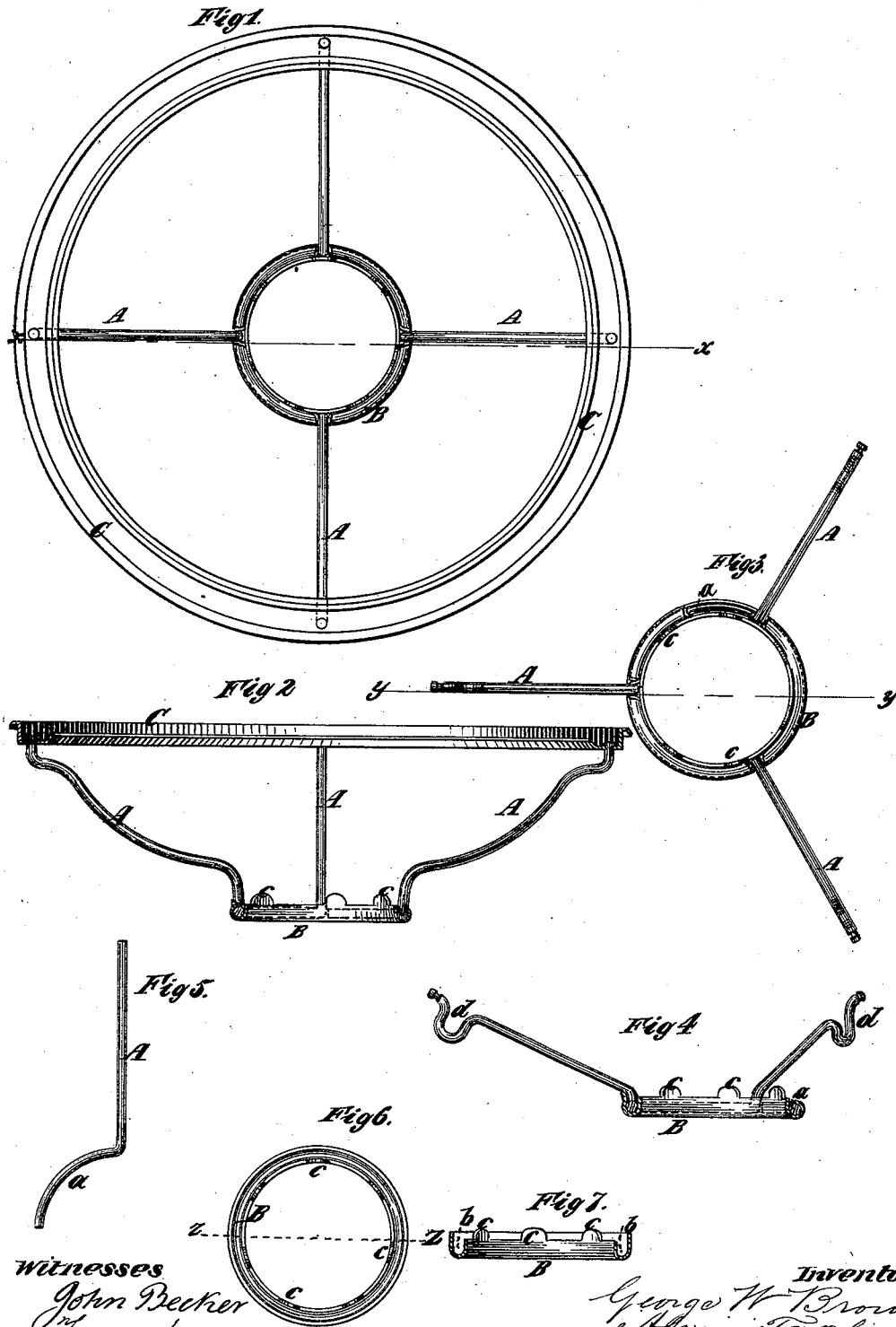


G. W. BROWN & A. TAPLIN.  
Shade-Holder for Lamp.

No. 212,437.

Patented Feb. 18, 1879.



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# UNITED STATES PATENT OFFICE.

GEORGE W. BROWN AND ALVIN TAPLIN, OF FORESTVILLE, ASSIGNORS TO  
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## IMPROVEMENT IN SHADE-HOLDERS FOR LAMPS.

Specification forming part of Letters Patent No. **212,437**, dated February 18, 1879; application filed  
December 20, 1878.

*To all whom it may concern:*

Be it known that we, GEORGE W. BROWN and ALVIN TAPLIN, both of Forestville, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Shade-Holders for Lamps, of which the following is a specification:

Our invention consists in the combination, in a shade-holder for lamps, with a band formed of sheet metal, provided with a circumferential channel or groove, opening at the top, of a series of arms, each of which is provided at its inner end with an arc-shaped portion, fitting the said channel or groove and extending to the next arm, the said arms being secured in place by closing portions of the band over their arc-shaped portions, whereby each arm serves to brace the other laterally.

In the accompanying drawings, Figure 1 represents a plan of a shade-holder embodying our improvements, which is provided with a ring, upon which the shade may rest. Fig. 2 represents a transverse section thereof on the dotted line *x x*, Fig. 1. Fig. 3 represents a plan of a "tripod" holder, also embodying our improvements; Fig. 4, a transverse section thereof on the dotted line *y y*, Fig. 3; Fig. 5, a view, showing one of the arms detached; Fig. 6, a plan of the band in which the arms are secured; and Fig. 7, a transverse section on the dotted line *z z*, Fig. 6.

Similar letters of reference designate corresponding parts in all the figures.

A designates arms, of which three, four, or more may be used, and which are provided at their inner ends with arc-shaped portions *a*, extending transversely to the main portions, and which are preferably round in their cross-section.

B designates a band, preferably formed of sheet metal, and of such size as to fit snugly around a lamp-burner. A channel or groove, *b*, is formed in the band B for the reception of the arc-shaped portion *a* of the arms A, and in which they may be secured. The arc-shaped portion *a* of each arm extends to the next arm, thus occupying a third or a quarter of the circumference of the band, whereby the arms are held securely against displacement in a horizontal direction.

The band B is provided with closing portions, adapted to be bent or closed over the arc-shaped portions *a* of the arms A, as clearly represented in Fig. 4, and by which the tilting or displacement of the arms vertically is prevented. The band B is preferably, also, provided with an internal upwardly-extending portion or portions, *c*, whereby an extended bearing is afforded the band upon the outside of a lamp-burner, and the liability of the holder to tilt or rock is lessened.

The arms A may have their outer ends bent, as clearly represented at *d*, in Fig. 4, in order to properly hold a shade in place; or, if desirable, a ring, C, forming a seat for a shade, may be secured to their ends, as represented in Figs. 1 and 2.

As by our invention the arc-shaped portion of each arm extends to the next arm, the said arms are very securely braced laterally, and the shade-ring usually employed may be dispensed with.

We are aware that shade-holders have been made comprising a band in which was a circumferential groove, and arms having arc-shaped portions fitting said groove; but as such groove was made opening on the inner side of the band, and not at the top, the arms had to be inserted through holes in the band; and the arc-shaped portions of the arms did not fill the entire length of the groove, and did not brace each other, as in ours.

What we claim as our invention, and desire to secure by Letters Patent, is—

In a shade-holder, the combination, with a band formed of sheet metal, provided with a circumferential channel or groove opening at the top, of a series of arms, each of which is provided at its inner end with an arc-shaped portion, fitting the said channel or groove and extending to the next arm, the said arms being secured in place by closing portions of the band over their arc-shaped portions, substantially as specified.

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