

H. W. HAYDEN.
SHADE-HOLDER FOR LAMPS.

No. 174,524.

Patented March 7, 1876.

Fig. 2.

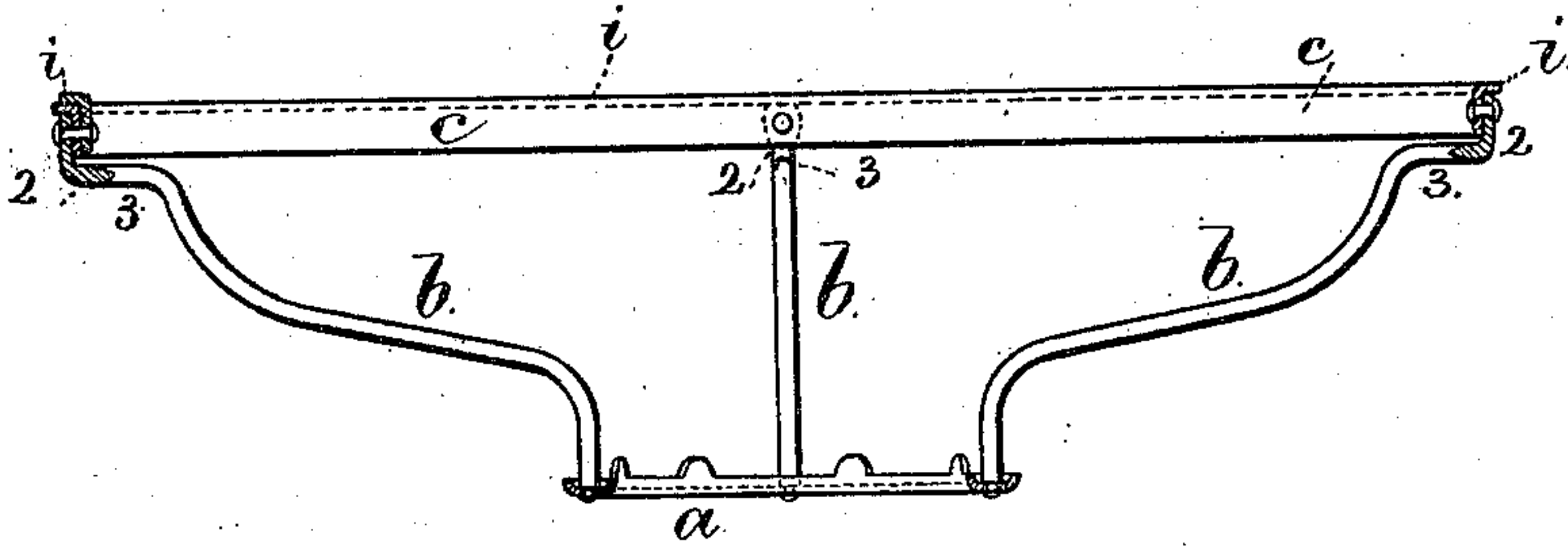
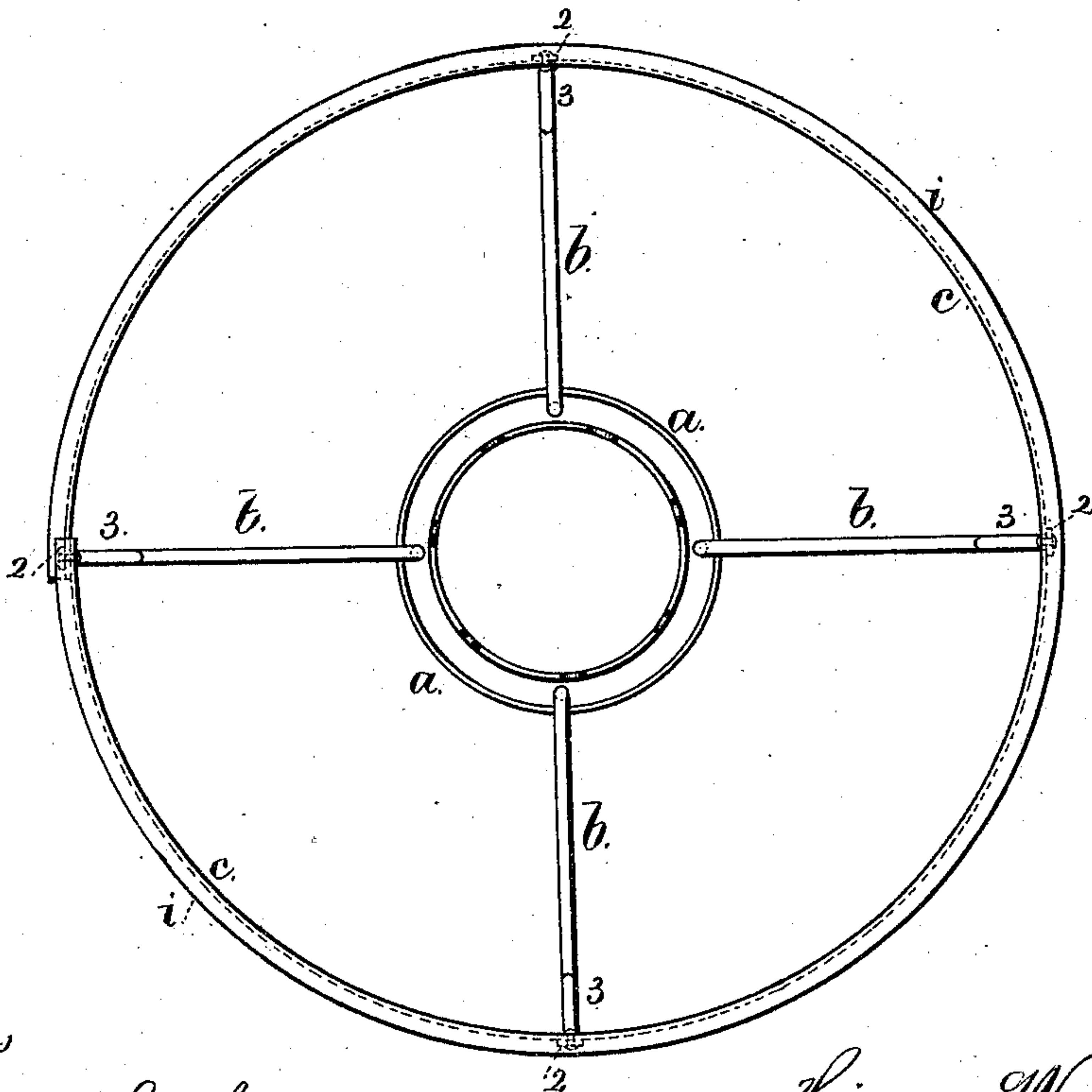


Fig. 1.



Witnesses

Charles H. Smith
Harold Terrell

Inventor

Hiram W. Hayden.

per Lemuel W. Terrell

[Signature]
att'y.

UNITED STATES PATENT OFFICE

HIRAM W. HAYDEN, OF WATERBURY, CONNECTICUT, ASSIGNOR TO HOLMES,
BOOTH & HAYDENS, OF SAME PLACE.

IMPROVEMENT IN SHADE-HOLDERS FOR LAMPS.

Specification forming part of Letters Patent No. **174,524**, dated March 7, 1876; application filed
February 21, 1876.

To all whom it may concern:

Be it known that I, HIRAM W. HAYDEN, of Waterbury, in the county of New Haven and State of Connecticut, have invented an Improvement in Shade-Holders for Lamps, of which the following is a specification:

Before my invention shade-rings had been made of an L-shaped strip of sheet metal, rolled up into a ring of the proper diameter, with the ends riveted together, and the ring resting upon the ends of wire arms, to which arms the flat or bottom flange of such ring has been attached by rivets or solder. In this construction the broad bottom flange of the ring receives the base of the shade, but it obstructs the light, and dust accumulates thereon.

My invention consists of a shade-holder, formed with wire arms, upon which the shade rests, and with a sheet-metal ring within and connected to the turned-up ends of such arms, and serving to connect such arms together, and strengthen the holder, at the same time confining the shade horizontally to its position.

This construction is cheaper to make than the holders heretofore in use. The light is not obstructed. There is no bottom flange for dust to rest upon, and the appearance of the shade-holder is improved.

In the drawing, Figure 1 is a plan of the shade-holder, and Fig. 2 is a vertical section of the same.

The base-ring *a*, and arms *b* extending from

the same, are of ordinary construction, except that the ends of the arms are turned up vertically, and the arms are of such length that the vertical ends 2 pass outside the ring *c*, and the horizontal portions 3 form rests for receiving the shade. The ring *c*, instead of having a broad flat base for receiving the shade, is made of a flat wire or strip of sheet metal, preferably with a small rib, *i*, upon the outside, at the top, or bottom edge, or both, so as to stiffen said ring, and to the outside of this ring the arms *b* are attached.

It is preferable to employ rivets, and to use the same rivet for attaching one of the arms that is employed for holding the lapping ends of the ring together.

By this construction, the ring can be of greater thickness than heretofore without increasing the weight. The light is not necessarily obstructed, and the shade rests upon the arms when in use, as aforesaid.

I claim as my invention—

The shade-holder made of the metal arms *b*, upon which the shade rests, and the ring *c*, that is a strip of metal rolled up and attached to the vertical ends of the arms *b*, as set forth.

Signed by me this 17th day of February, A. D. 1876.

H. W. HAYDEN.

Witnesses:

A. M. BLAKESLEY,
E. S. HAYDEN.