

T. MORAN.
Shade-Holder.

No. 166,884.

Patented Aug. 17, 1875.

Fig: 1.

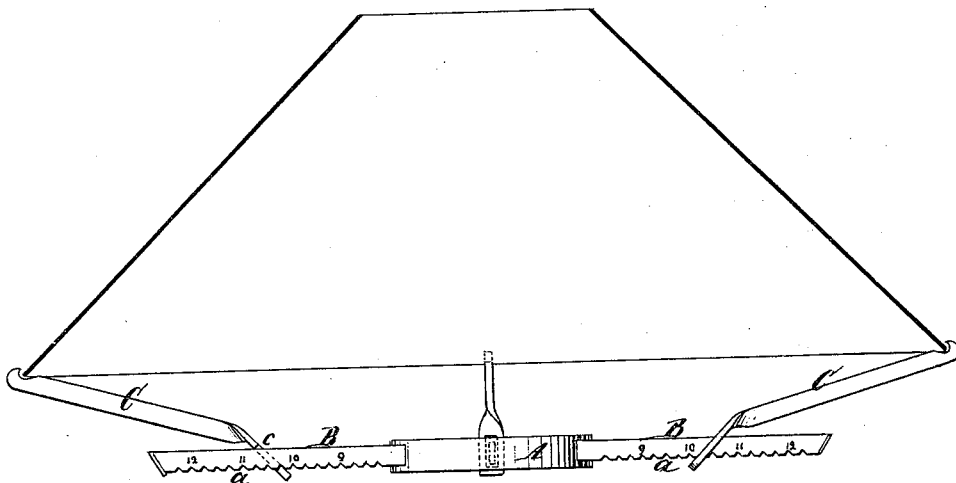
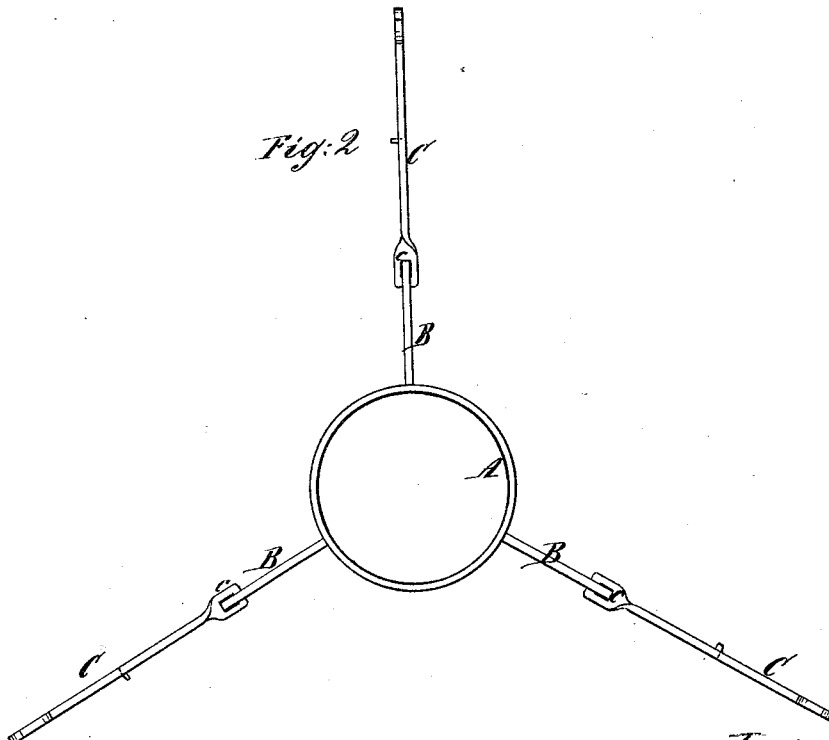


Fig: 2



Witnesses:
Ernst Billhuber.
Chas Wablers

Inventor:
Thomas Moran
per
Van Santvoord & Hauff
Attys

UNITED STATES PATENT OFFICE.

THOMAS MORAN, OF NEW YORK, N. Y.

IMPROVEMENT IN SHADE-HOLDERS.

Specification forming part of Letters Patent No. **166,884**, dated August 17, 1875; application filed February 13, 1875.

To all whom it may concern:

Be it known that I, THOMAS MORAN, of the city, county, and State of New York, have invented a certain new and Improved Shade-Holder, of which the following is a specification:

This invention is illustrated in the accompanying drawing, in which—

Figure 1 represents a sectional side view. Fig. 2 is a plan or top view.

Similar letters indicate corresponding parts.

This invention relates to a shade-holder of that class which can be adjusted to shades of different diameters, which result has been heretofore secured by connecting with the holder a series of radiating arms, each provided with a slide, which is capable of being moved back and forth on said arms.

My improvement consists in the combination of slotted gravitating-arms with radius-arms extending from the central collar, and having notches in their lower edges, the bottom edges of the slots in the gravitating-arms being made to engage with the serrated edges of the radius-arms, in such a manner that when said gravitating-arms are permitted to follow their inherent gravity, and to the weight of the shade resting on them, they are securely retained in the required position on the radius-arms, and when it is desired to adjust the holder to a shade of larger or smaller size, the gravitating-arms can be readily and quickly moved in the required position, the shade being sustained at the proper elevation above the central collar. The outer edges of the radius-arms are bent over to form stops, so as to prevent the gravitating-arms from dropping off accidentally.

In the drawing, the letter A designates the central collar of my shade-holder, from which radiate three arms, B B B. The lower edges of these arms are provided with a series of notches, *a*, and on their sides are correspond-

ing figures or numbers, to indicate the distances from the central collar. With the radius-arms B are combined gravitating-arms C, each of which is provided with a slot, *c*, that fits loosely on the corresponding radius-arm, so that when such gravitating-arms are permitted to follow their inherent gravity they assume an oblique position, as shown in the drawing, and in this position the lower edges of the slots *c* engage with the serrated edges of the radius-arms, and the gravitating-arms are prevented from sliding in or out. The outer ends of the gravitating-arms are provided with recesses *d* to receive the shade, and, if the shade is put on, its weight assists in keeping said arms in position.

By means of the figures on the sides of the radius-arms the gravitating-arms can be readily so adjusted that the shade when put on will be in position concentric with the central collar, and at the same time the shade is elevated to such a height that the light will be properly reflected.

The outer ends of the radius-arms are bent so as to form stops *e*, whereby the gravitating-arms are prevented from dropping off accidentally.

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

The combination, in a shade-holder, of the gravitating-arms, provided with slots, with radius-arms extending from a central collar, said gravitating-arms and radius-arms being constructed to operate substantially as and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 11th day of February, 1875.

THOS. MORAN. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.