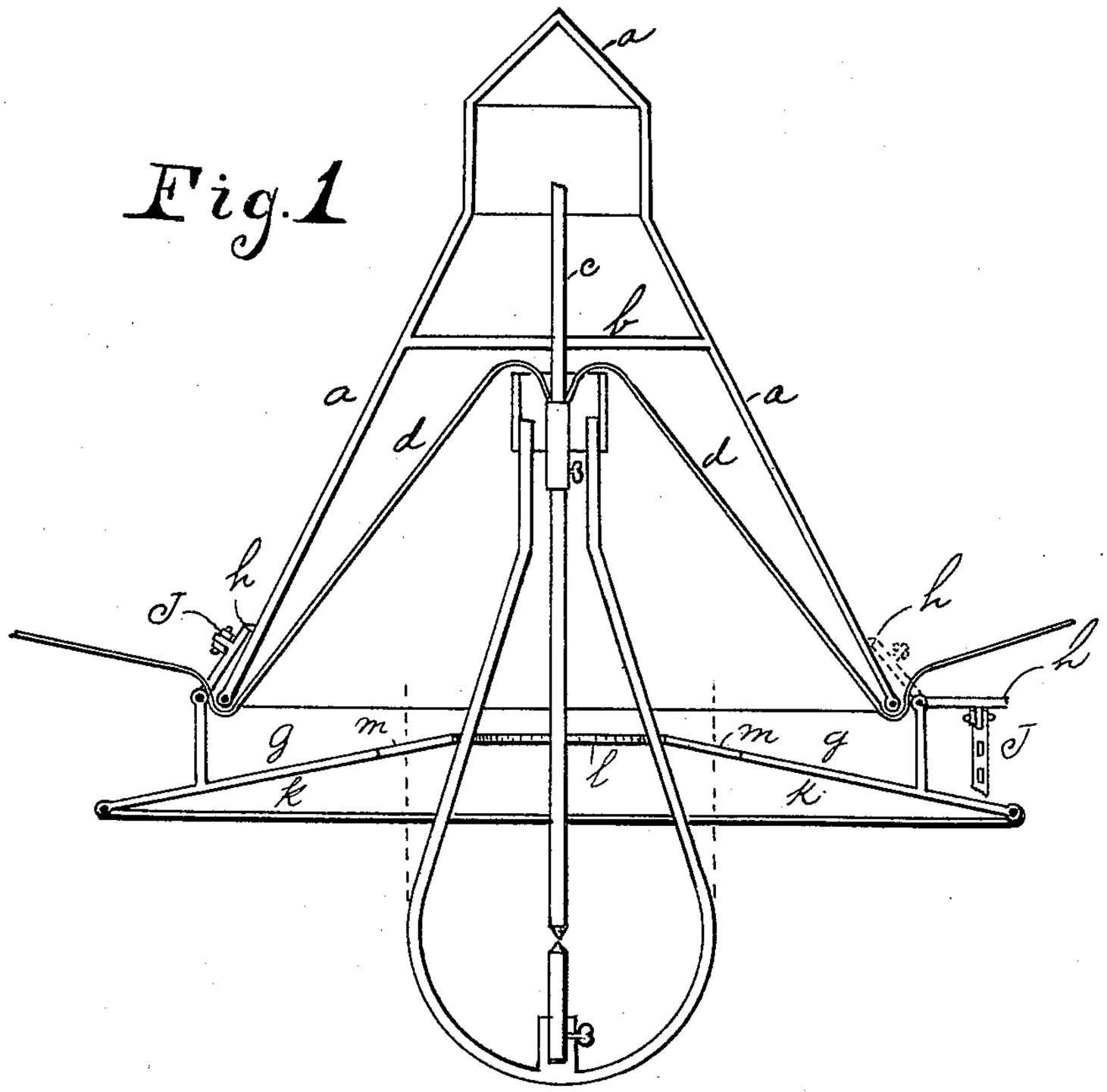
(No Model.) 2 Sheets—Sheet 1.

C. M. BOLLES.

ELECTRIC ARC LIGHT REFLECTOR.

No. 586,986. Patented July 27, 1897.

Fig. 1



Witnesses.
D. F. McBride
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Attorney.

(No Model.) 2 Sheets—Sheet 2.

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Fig. 2.

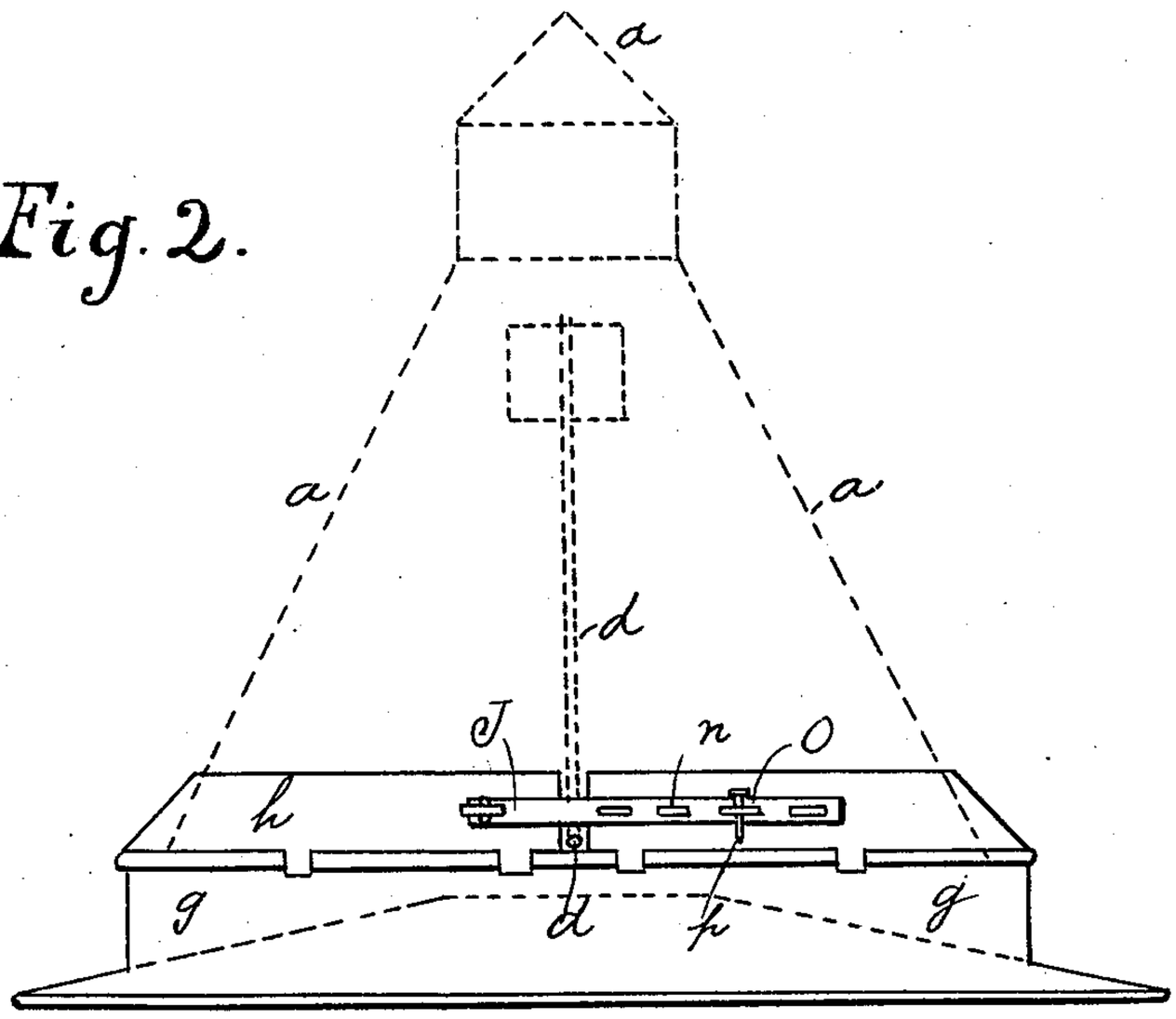
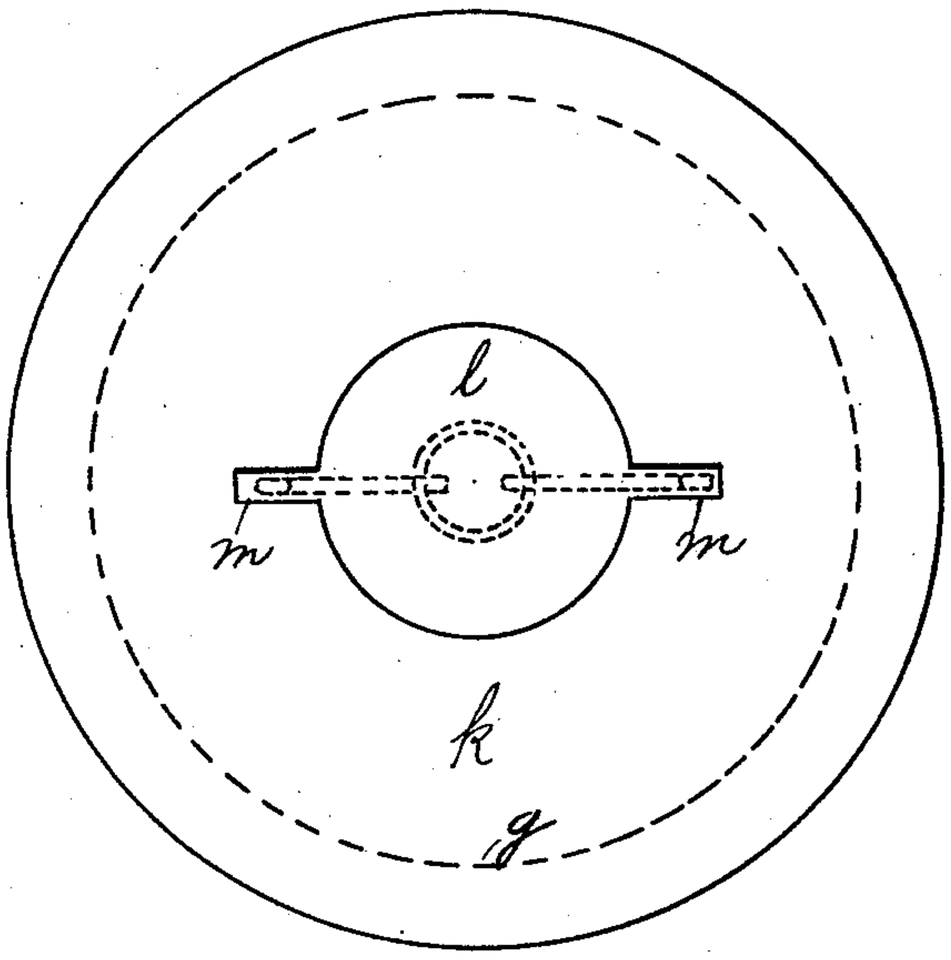


Fig 3



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UNITED STATES PATENT OFFICE.

CHARLES MORRIS BOLLES, OF DALLAS, TEXAS.

ELECTRIC-ARC-LIGHT REFLECTOR.

SPECIFICATION forming part of Letters Patent No. 586,986, dated July 27, 1897.

Application filed July 13, 1896. Serial No. 599,017. (No model.)

To all whom it may concern:

Be it known that I, CHARLES MORRIS BOLLES, a citizen of the United States of America, residing at Dallas, in the county of Dallas and State of Texas, have invented a new and useful Improvement in Electric-Arc-Light Reflectors, of which the following is a specification.

In the accompanying drawings, Figure 1 is a vertical section through the device. Fig. 2 is a side elevation of the reflector, showing the manner in which it is locked and secured around the base of the cone, the cone being shown in dotted lines. Fig. 3 is an inverted view of the reflector, showing the rod which supports the carbons in the dotted lines.

Similar letters of reference refer to similar parts throughout the several views.

a is the cone with the cross-arm *b*, having attached thereto the vertical rod *c*, to which is secured the ends of the negative and positive wires *d*.

g is a band having hinged to its uppermost edge another band *h*, which is divided into two or more parts, to which is attached the hinged hasp *j*. At the lower edge of the band *g* is rigidly secured the concave reflector *k*, provided with an orifice *l* and slots *m*.

As to the adjustments of my device to the cone of the electric light the sections of the hinged band *h* are thrown back, as shown on the right of Fig. 1. The device is carried upwardly, the loop-shaped rod passing through slots *m m*, while the wires *d d* are secured in the open spaces between the ends of the sections of the hinged band *h*, allowing them to pass under the lower edge of the cone up to their required positions. The hinged hasps (which are provided with a number of slots *n* to admit of adjustment to cones of different diameters) are then secured to the disengaged end of hinged band by means of the staple *o* and pin *p*, thus securing the reflector to the lower edge of the cone.

Having described all that is necessary for the understanding of those skilled in the art to which it appertains, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a reflector for an electric-arc light, the combination of the annular band *g*, and reflector *k* secured upon the lower edge of said band, and extending inwardly therefrom, having an aperture for the passage of the arc-light conductor, and means for securing said band upon an arc-light cone, substantially as described.

2. In a reflector for an electric-arc light, the combination of the reflector *k*, having an aperture for the passage of the arc-light conductor, and means for supporting the said reflector upon the arc-light cone, said reflector extending inwardly from the point of attachment to its supporting means, substantially as described.

CHARLES MORRIS BOLLES.

Witnesses:
J. S. WYLER,
A. N. MORGAN.