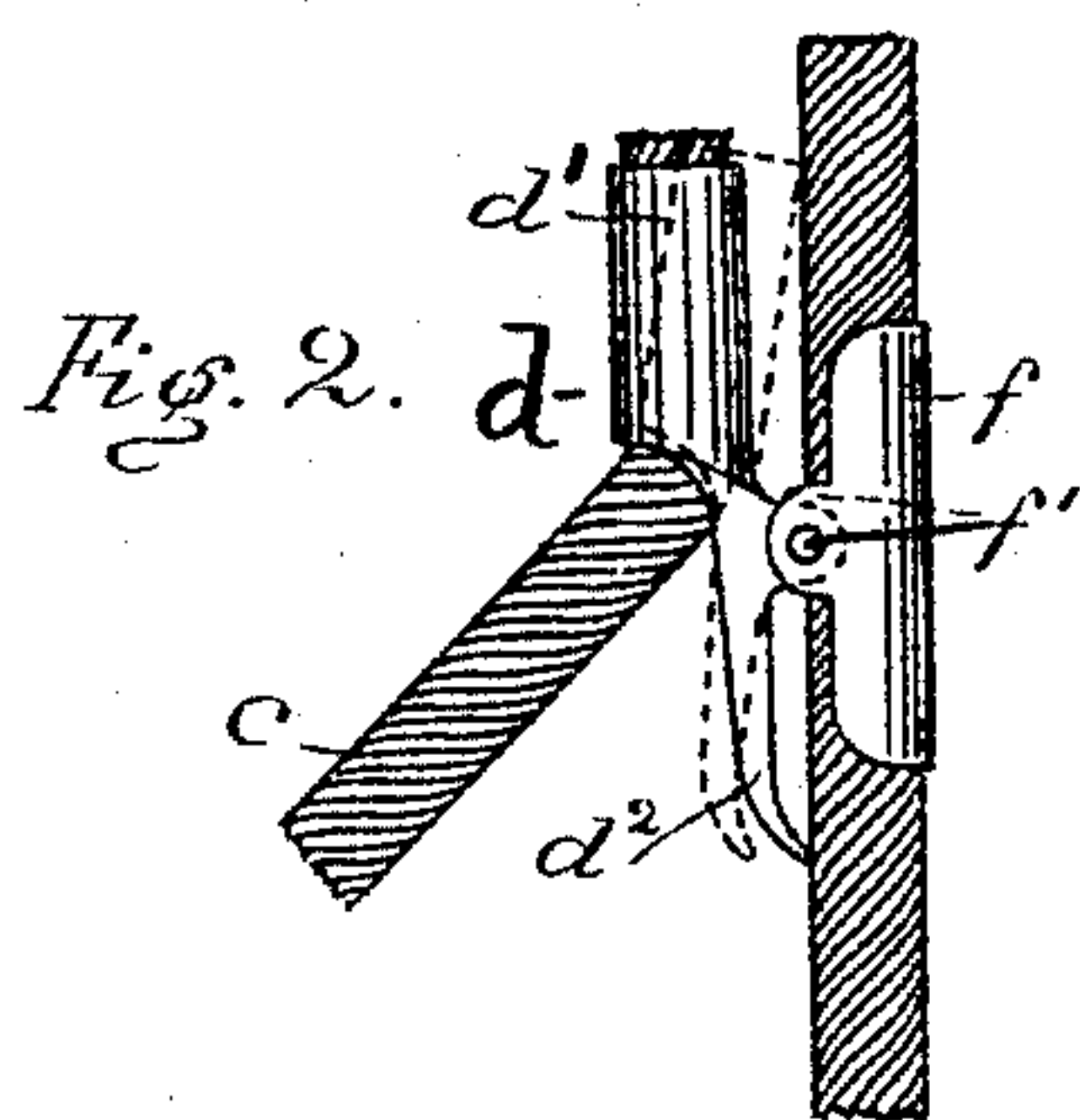
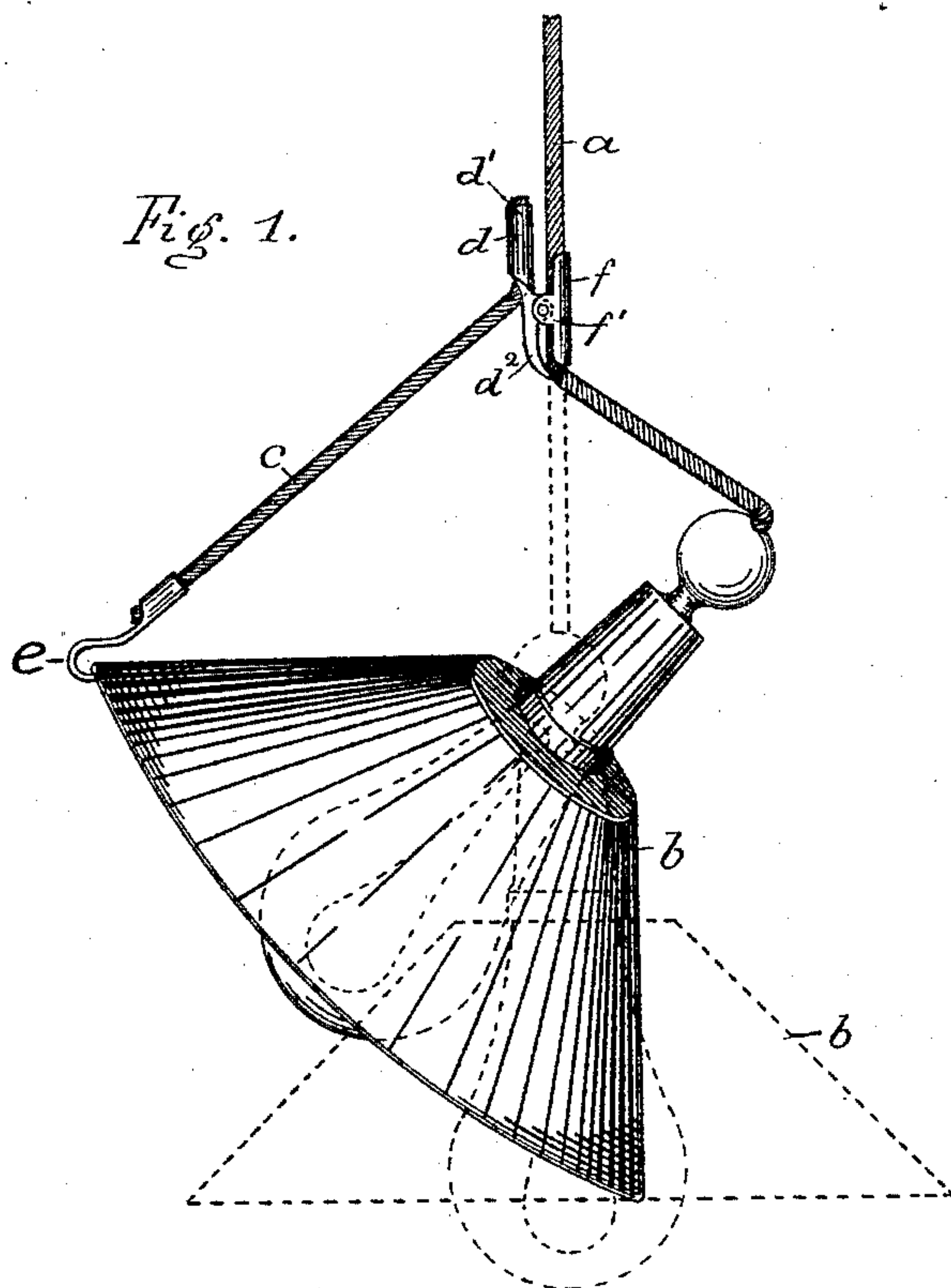


(No Model.)

J. E. HAMILTON.
ADJUSTER FOR ELECTRIC LAMP REFLECTORS.

No. 453,002.

Patented May 26, 1891.



Witnesses
Chas H. Wood.
Charles Kelly

Inventor
By his Attorney James E. Hamilton
W. Zimmerman

UNITED STATES PATENT OFFICE.

JAMES E. HAMILTON, OF CHICAGO, ILLINOIS.

ADJUSTER FOR ELECTRIC-LAMP REFLECTORS.

SPECIFICATION forming part of Letters Patent No. 453,002, dated May 26, 1891.

Application filed January 3, 1891. Serial No. 376,571. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. HAMILTON, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Adjusters for Electric-Lamp Reflectors, which are fully set forth in the following specification, reference being had to the accompanying drawings, forming a part hereof, and in which—

Figure 1 shows my incandescent-lamp reflector or shade-adjuster applied to a lampshade arranged to throw the light in a lateral direction, the dotted outlines showing the original and natural position of the shade. Fig. 2 shows the form of clamp used on the cord *a*, on an enlarged scale.

Like letters refer to like parts.

The object of my invention is to produce a device which may be readily applied to any incandescent-lampshade or reflector, by means of which the shade or reflector may be made to throw its light in any desired direction, and to attain said desirable result I construct and apply my said new device substantially as follows, namely:

I provide a cord *c*, of any suitable size and length, and secure to one end of it a hook *e*, adapted to pass over the lower edge of the reflector or shade *b*, and to the opposite end of said cord I attach a clamp *d*, of any suitable construction that is adapted to hold onto the pendent or conductor-cord *a*; but preferably I use the construction here shown, in which said clamp consists of a semi-cylindrical shell *f*, provided with lugs near its center, which are united by pins *f'* to a similar pair

of lugs forming a part of the opposite member *d'* *d*², thus forming a hinge-joint. The cylindrical shell *d'* receives and holds one end of the said cord *c*, and by the weight thrown on said cord *c* causes the foot *d*² to press upon the cord *a*, so as to bind said clamp *d* onto the cord *a* at any desired point that it may be placed.

To operate my said device I hitch the hook *e* over the lower edge of the shade *b* and then regulate the degree of inclination to be given to the shade by sliding the said clamp *d* up or down on the cord *a*. This is accomplished by pressing the part *d'* toward the part *f*, so as to release the foot *d*² from the cord *a*, and then raising or lowering the said clamp *d* on the cord *a* until the reflector assumes the necessary angle to obtain the light in the desired direction.

What I claim is—

1. The combination, with a cord, of a lamp and reflector suspended thereby, and a cord *c*, extending from the suspending-cord to the reflector and constructed to adjustably hold the reflector at the desired angle, substantially as specified.

2. The combination, with the cord, of a lamp and reflector suspended thereby, and a cord *c*, provided at one end with a clamp for adjustably securing it to the suspending-cord and at the other end with a hook for engaging the edge of the reflector, substantially as specified.

JAMES E. HAMILTON.

Witnesses:

CHAS. H. WOOD,
WM. ZIMMERMAN.