

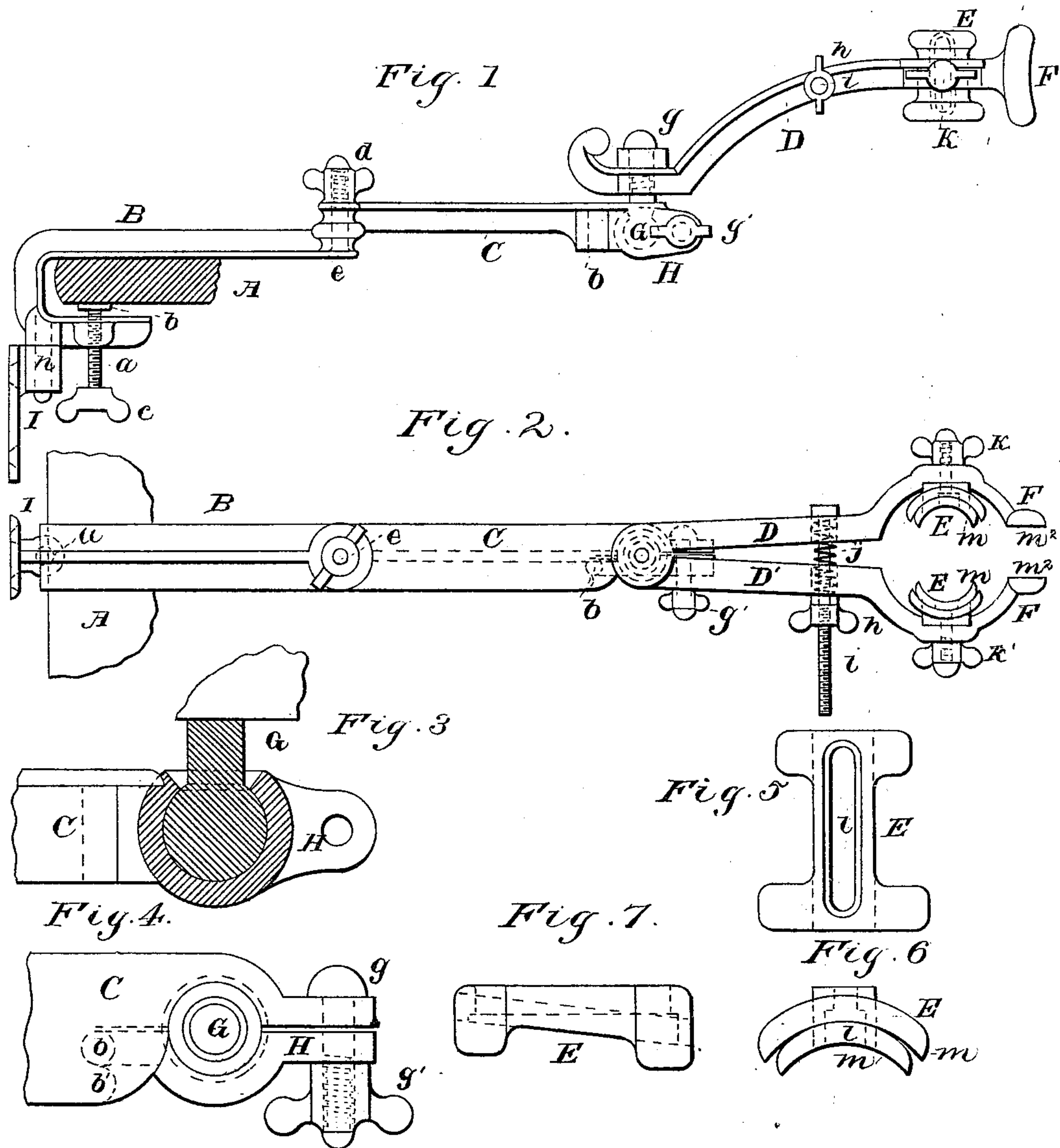
(No Model.)

W. KIRK.

LAMP HOLDER AND BRACKET.

No. 273,857.

Patented Mar. 13, 1883.



Witnesses
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UNITED STATES PATENT OFFICE.

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LAMP HOLDER AND BRACKET.

SPECIFICATION forming part of Letters Patent No. 273,857, dated March 13, 1883.

Application filed March 24, 1882. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM KIRK, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented a new and useful Lamp Holder and Bracket, of which the following is a specification.

My invention relates to an improved lamp holder and bracket in which are combined a device for securing the same to a table, shelf, or to the wall, and extension jointed arms, with a clamping device that firmly secures the lamp in an upright position and enables me to change the position of the lamp at will, keeping it in an upright position and preventing its being overturned. I attain these objects by the mechanism illustrated by the accompanying drawings, in which—

Figure 1 is a side view. Fig. 2 is a top view. Fig. 3 is a detailed section of ball-and-socket joint. Fig. 4 is a detailed top view of the same; Figs. 5, 6, and 7, details of the adjustable-clamp.

Similar letters refer to similar parts throughout the several views.

A, Figs. 1 and 2, shows the edge of a table or shelf, onto which is secured the arm B by the screw *a*, forcing the collar *b* up against the table or shelf A. On the lower end or corner of the arm B, back of the screw *a*, I arrange the pivot-point *n*, cast with the arm B, by which I can secure the arm B to a side wall by the socket 1, Figs. 1 and 2, that is secured to the wall by ordinary screws, said socket having a recess for the pivot *a*. This allows the arm B to swing to the right or left. To the opposite end of the arm B, I secure the arm C, by the bolt *e* and nut *d*, in such a manner that it forms a hinge-joint. On the opposite end of the arm C, I arrange for the ball-and-socket joint G. One side of the socket is cast with the arm C. The other side is a separate piece, as shown by H, Fig. 4. This cap or side is held in position by the rounded end *b*, running back of the projection *b'*, and the bolt *g* and the nut *g'* on the opposite end. In this socket is secured the ball cast with the arm D in one piece. I also connect with the arm D the hinged arm D', hinged at *d'*. To control the arm D and D', I arrange in their center the bolt *i* and nut *h*, while the spring *j*, wound around the bolt *i* and

abutting against the arms D D', forces the arms apart. At the outer end of these arms D and D' is cast the segment-shaped clamp F and F'. Back of these clamps F and F' the arms P and D' are curved outwardly, and a groove formed at right angles to the arm, in which I fit the concave adjusting-clamps E and E'. These clamps are slotted, as shown at *l*, Figs. 5 and 6, for the bolts K and K', by which they are held in connection with the arms D and D' and allow of an up-and-down adjustment. The concave faces of the clamp E E' and the inner faces of the clamps F and F' are faced with rubber *m m* and *n n*.

In using my invention the holder is secured to the edge of a table or shelf by the screw *a*, the arm B resting on the top of the table and pointing in any direction desired. I then secure the lamp between the concave clamps E E' (if the lamp used has a standard or column that connects it with its base) and close the clamps firmly with the bolt *i* and nut *h*, allowing the base of the lamp to rest on the table. I then fasten the ball-and-socket joint G, so that it will hold the clamp in an upright position no matter in what direction I may swing the lamp. This socket-joint G, with the adjusting-clamps E and E', enables me to clasp the standard of the lamp at the best place. If the lamp is small, and has the handle on its side, I clasp it by the clamps F and F', and if I wish to use the lamp from the side wall I release the holder from the table and set the pivot-point into the socket 1. The lamp, in either position, is held securely against overturning.

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

1. The arm B, hinged to arm C, the ball-and-socket joint G, combined with the hinged clamping-arms D and D', and the screw *i*, nut *h*, and spring *j*, substantially as described and shown.

2. The arm B, hinged arm C, ball-and-socket joint G, with clamp H, hinged arms D D', adjusting-clamps E E', pivot-point *n*, socket 1, screw *a*, when combined and arranged as specified and shown.

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