(No Model.)

T. H. BRADY.

HOLDING ATTACHMENT FOR ARC LAMPS.

No. 413,220. Patented Oct. 22, 1889.

Fig. 1.

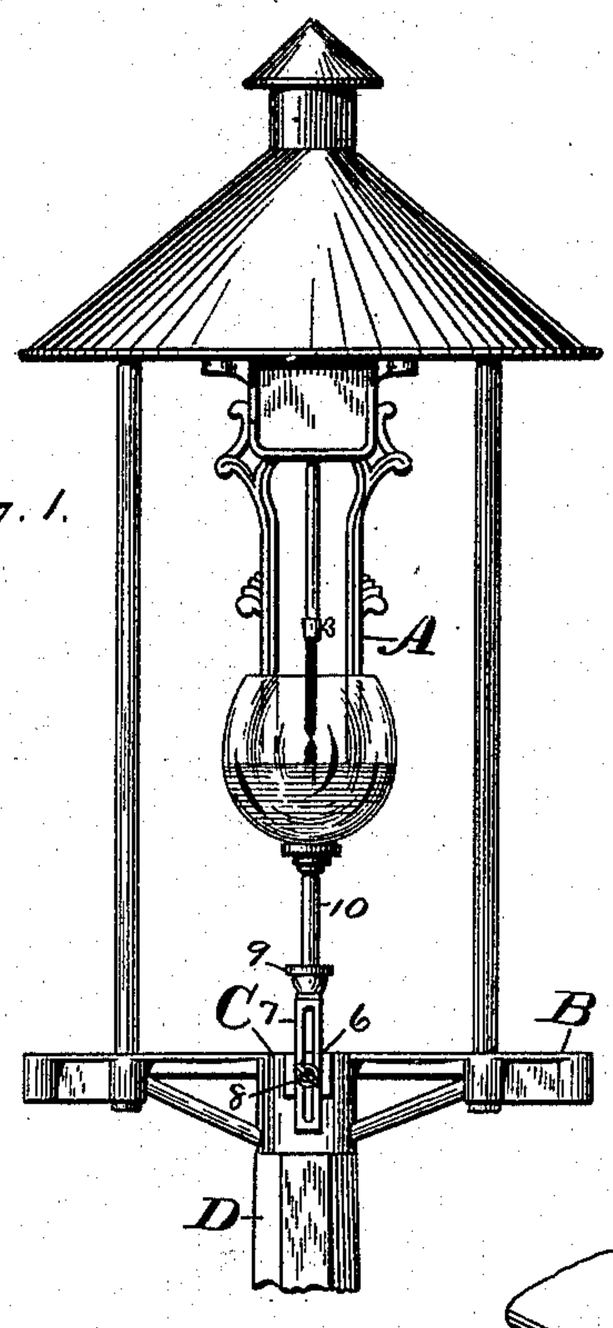


Fig. 2.

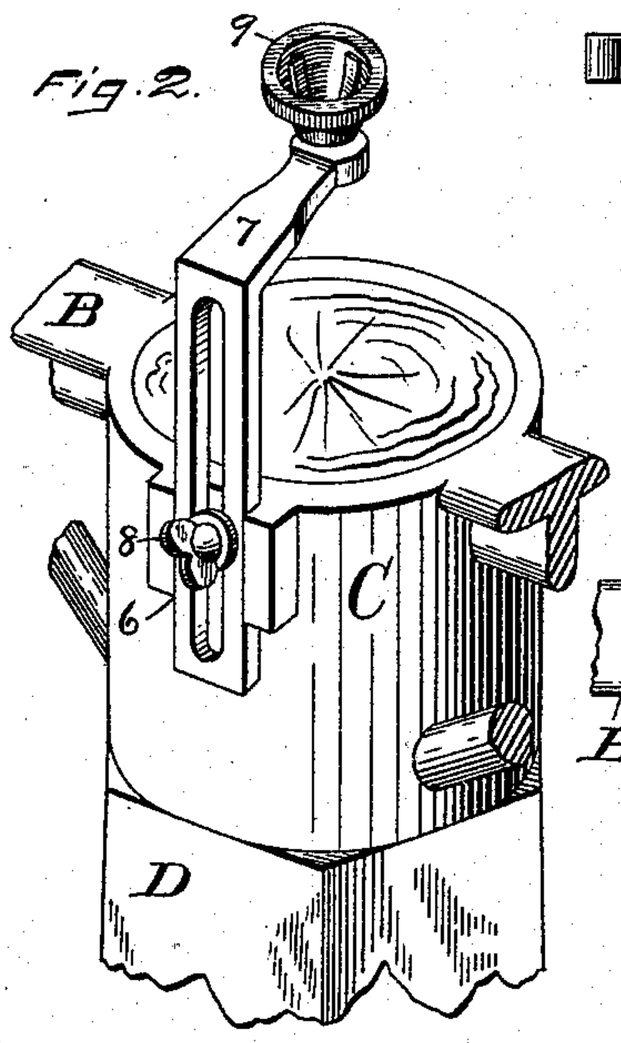


Fig. 3.

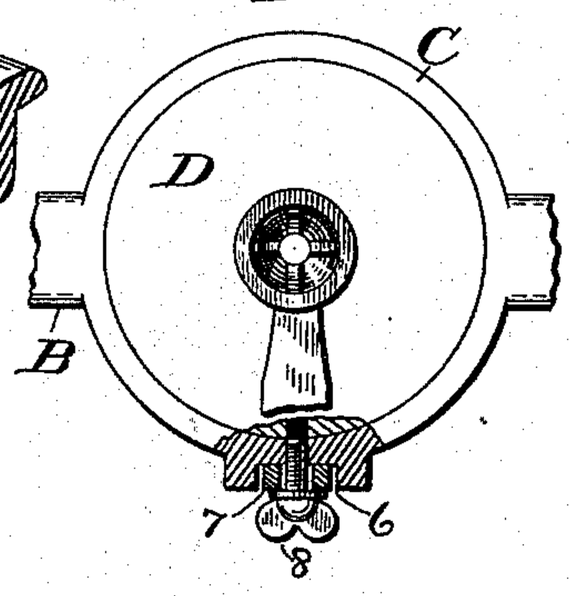


Fig. 4.

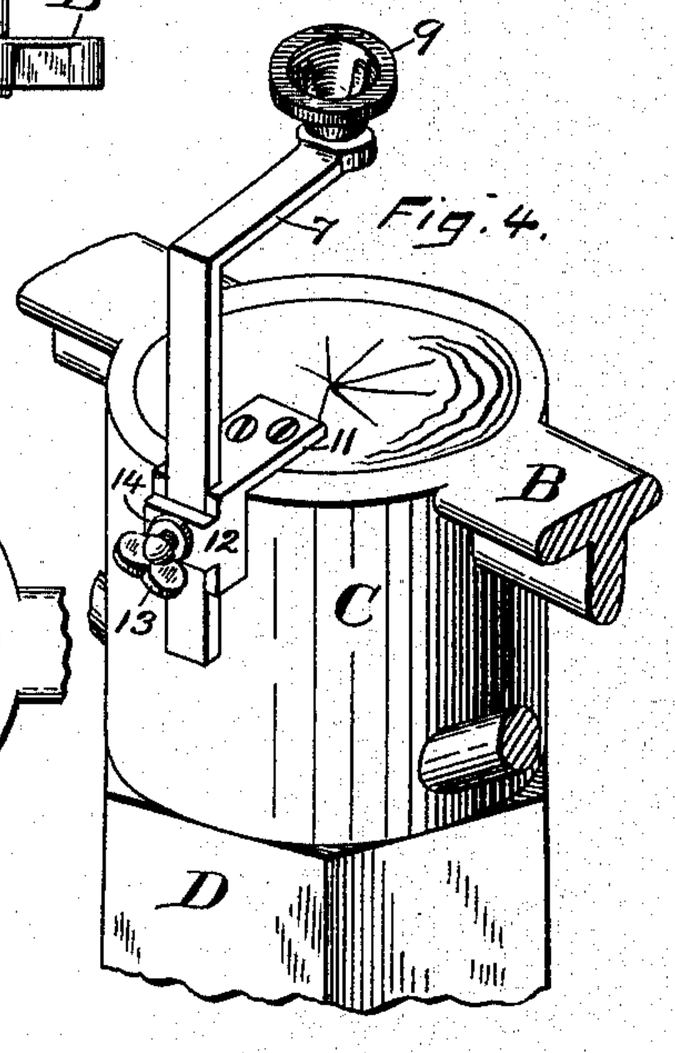
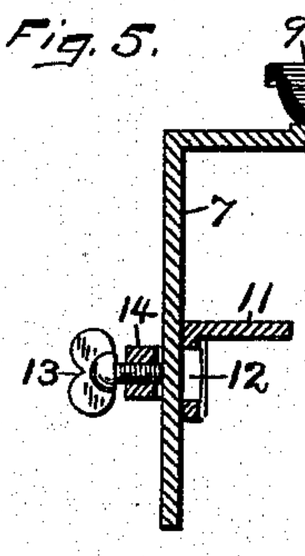


Fig. 5.



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UNITED STATES PATENT OFFICE.

THOMAS H. BRADY, OF NEW BRITAIN, CONNECTICUT.

HOLDING ATTACHMENT FOR ARC LAMPS.

SPECIFICATION forming part of Letters Patent No. 413,220, dated October 22, 1889.

Application filed March 5, 1889. Serial No. 301,895. (No model.)

To all whom it may concern:

Be it known that I, THOMAS H. BRADY, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Holding Attachments for Electric Lamps, of which the following is a specification.

My invention relates to improvements in holding attachments for electric lamps; and the object of my improvement is to provide an attachment to be applied to the lower end of the lamp to prevent it from swinging or moving out of place.

In the accompanying drawings, Figure 1 is a side elevation of an electric lamp with my holder attached. Fig. 2 is a perspective view of the main portion of the cap-iron and my holding attachment. Fig. 3 is a plan view of the same, a portion thereof in the plane of the holding-screw being shown in horizontal section. Fig. 4 is a perspective view of the same when modified so as to be attached to previously-constructed lamps, and Fig. 5 is a vertical section of my said attachment thus modified.

A designates the lamp of any ordinary construction supported upon the cross-arm B of the cap-iron or socket C at the top of the post D in any ordinary manner. For new work I form upon one side of the cap-iron C a vertical socket 6, to receive the adjustable holder 7. Said holder is made in the form of an angle-arm, the vertical member of which is slotted and fitted to slide in the socket 6, within which it may be adjusted and held in position by means of fastening devices—as, for instance, the screw 8—which passes through the slot in said holder into a threaded hole in the body of the cap-iron. The other member of the holder extends to a point immediately under the center of the lamp, and is provided with a threaded hole, into which is screwed the insulated socket 9, said socket being open at the top and adapted to receive the lower projecting member 10 of the lamp. The form of the insulated socket may be varied to conform to the shape of the end of the lower member 10 in different kinds of lamps. I also prefer to form a passage through the insulated socket and to rib or groove its interior in order to provide for the passage of water through the said socket in stormy weather. By loosening the fastening-screw 8 the holder may be dropped down out of the way of the lamp for any purpose that may be desired, and then raised again so as to press its insulated socket against the end of the lower member 10 of the lamp, when the holder is again secured in place. This will steady the lamp and effectually prevent it from swaying with the breeze.

In Figs. 4 and 5 I have shown the holder specially adapted to be applied to previously-constructed lamps. The insulated socket 9 and the upper member of the holder 7 are the same as first described. The vertical member is made solid instead of slotted. The holding-socket 12 is cast separately from the cap C, and is provided with a lug 11, adapted to be screwed to the top of the post D, and the holder is held in its adjusted position by means of the set-screw 13, which passes through a threaded hole in the bridge 14 of the socket, so as to bear against the vertical member of the holder 7. Its use and manner of adjustment is the same as that before described.

This holder may be applied to previously-constructed lamps whether they are the kind shown or other styles that are supported at the top of a post.

I claim as my invention—

1. The combination of the post D, cross-arm B at its top, the lamp A, suspended from the upper ends of the uprights on said cross-arm, the holder 7, adjustably secured at the top of said post, and the insulating-socket secured to the upper member of said holder and engaging the lamp at the end farthest from its point of suspension, substantially as described, and for the purpose specified.

2. The combination of the post D, cap-iron C, and cross-arm B at the top of said post, the lamp A, supported on said cross-arm, the vertically-recessed socket at one side of said cap-iron, the insulating-socket 9, and the holder 7, fitted to said vertically-recessed socket and provided with fastening devices for said holder, substantially as described, and for the purpose specified.

THOMAS H. BRADY.

Witnesses:
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