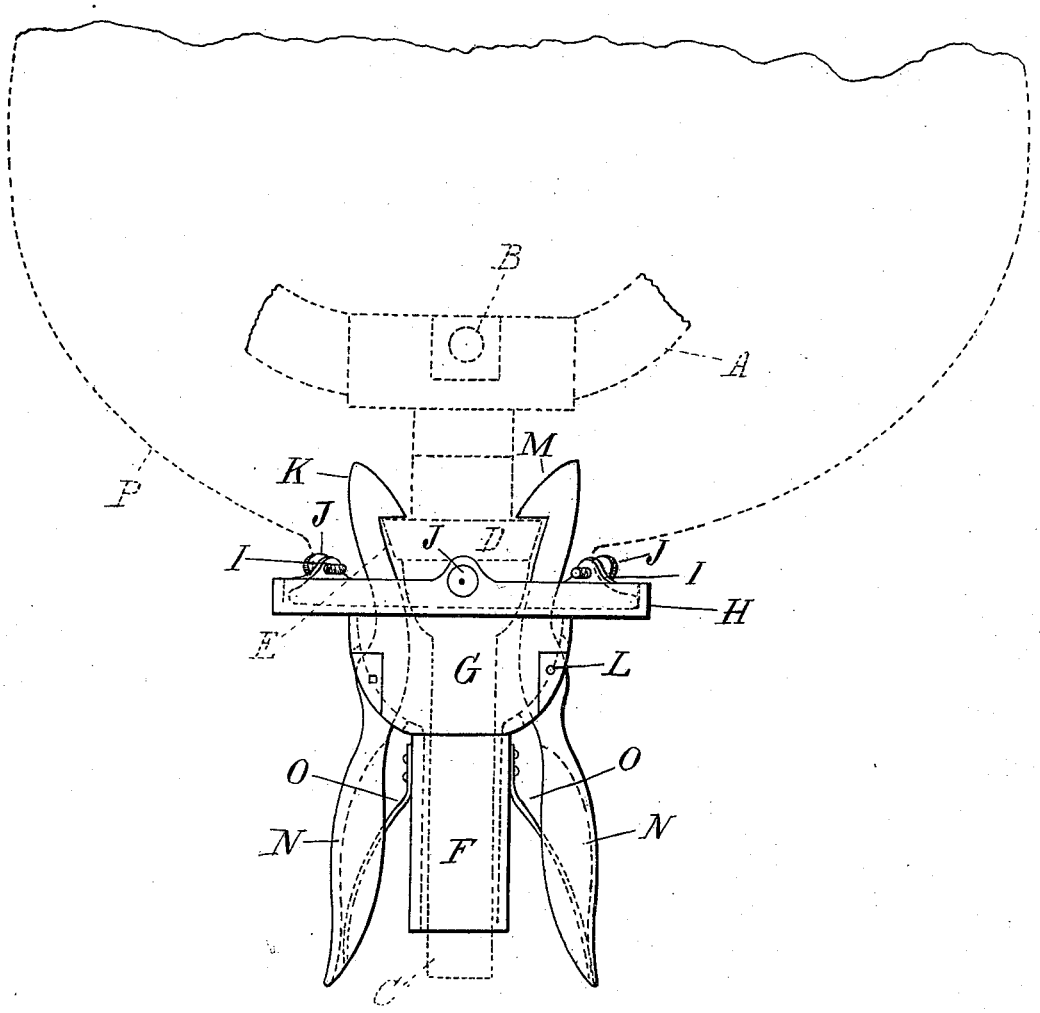
(No Model.)

W. A. TURBAYNE.

GLOBE HOLDER FOR ELECTRIC ARC LAMPS.

No. 494,499. Patented Mar. 28, 1893.



Witnesses:

W. B. Dogherty

Otto F. Barthel

Inventor:

William A. Turbayne

By Mos. Sprague & Son,

Att'ys.

UNITED STATES PATENT OFFICE.

WILLIAM A. TURBAYNE, OF DETROIT, MICHIGAN, ASSIGNOR TO THE LIGGETT, TURBAYNE & COMPANY, OF SAME PLACE.

GLOBE-HOLDER FOR ELECTRIC-ARC LAMPS.

SPECIFICATION forming part of Letters Patent No. 494,499, dated March 28, 1893.

Application filed July 1, 1892. Serial No. 438,694. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. TURBAYNE, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Globe-Holders for Electric-Arc Lamps, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to new and useful improvements in globe holders for electric arc lamps, and the invention consists in the peculiar construction of a detachable holder for globes adapted to be secured to the tail tube or rod of the lamp frame, and further in the peculiar construction, arrangement and combination of the various parts as more fully hereinafter described.

In the drawing, I show an elevation of the lower end of an electric arc lamp frame, having my invention applied thereto.

A is the lamp frame.

B is the carbon socket.

C is the tail tube or rod extending below the frame. This tube or rod is provided near its upper end with an annular flange D preferably having the beveled face E.

F is a sleeve of a size adapted to fit closely over the tube C and having a cup shaped upper enlargement G terminating in a recessed annular flange H. Upon this flange are suitable lugs I, having the usual screws J to enter the groove in the lower end of the globe to hold the same in position, the recess in the flange H being of suitable size to receive the lower flanged end of the globe. The top G of the sleeve is provided with apertures on opposite sides in which the vertical hooks K are pivotally secured upon lateral pivot pins L. These hooks have beveled ends M at their upper ends and the depending handles N at their lower ends, extending parallel with the sleeve F.

O are springs secured at one end to the sleeve and at the other end bearing against the inner faces of the lower end of the handles N acting by their tension to hold the hooks K inward. The parts being thus constructed the operator first engages the lower end of the globe P, as shown in dotted lines, into the socketed flange H and secures it in position by turning up the set screw J, then engaging the globe holder with the lower end of the tail tube C, pushes it upward until the hooks strike the beveled face E of the flange or rib D. The beveled faces M of the hook striking the beveled face E of the flange or rib will force the hooks outward until they have passed the bevel when the tension of the spring O will throw them in and engage them over the rod holding the lamp holder from disengagement. To disengage them the operator simply takes hold of the handles N and presses them inward which will withdraw the hooks M from the flange D and allow the withdrawal of the device; the sleeve F engaging the tube C prevents any lateral motion.

What I claim as my invention is—

1. In an electric arc lamp globe holder, the combination of the tail tube, a flange on said tube, a sleeve fitted upon the tail tube, an enlargement on the sleeve a recessed annular flange on the enlargement and spring hooks on the sleeve engaging the flange on the tail tube, substantially as described.

2. In an electric arc lamp globe holder, the combination of the tail tube, an annular flange on said tube having beveled faces thereon, a sleeve fitted upon the tail tube, a cup shaped enlargement on the sleeve, a recessed annular flange on the enlargement, and spring hooks pivotally secured to the enlargement adapted to engage the flange on the tail tube, substantially as described.

3. In an electric arc lamp globe holder, the combination of the tail tube, a flange on said tube, a sleeve fitted upon the tail tube, an enlargement on the sleeve, having apertures therein, a recessed annular flange on the enlargement, vertical hooks within the apertures pivotally secured to the enlargement having beveled upper ends engaging the flange on the tail tube, handles on the hooks and springs secured to the sleeve and bearing against the handles, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM A. TURBAYNE.

Witnesses:

M. B. O'DOGHERTY,

N. L. LINDOP.