

(No Model.)

2 Sheets—Sheet 1.

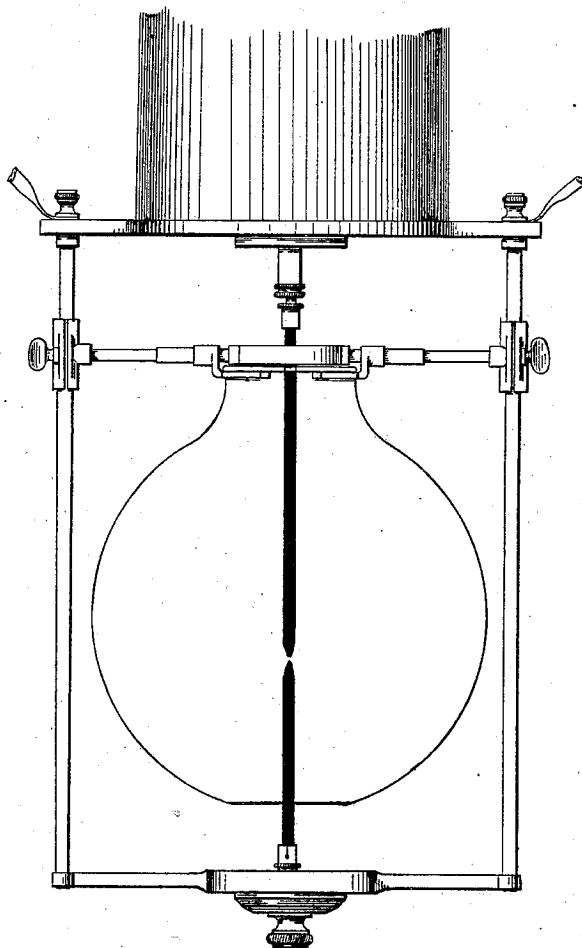
J. TREGONING & L. H. LATIMER.

GLOBE SUPPORTER FOR ELECTRIC LAMPS.

No. 255,212.

Patented Mar. 21, 1882.

Fig. 1.



Witnesses.

Henry G. Becker
Frank Sulay et.

Inventors.

John Tregoning
Lewis H. Latimer
per Parker W. Page atty.

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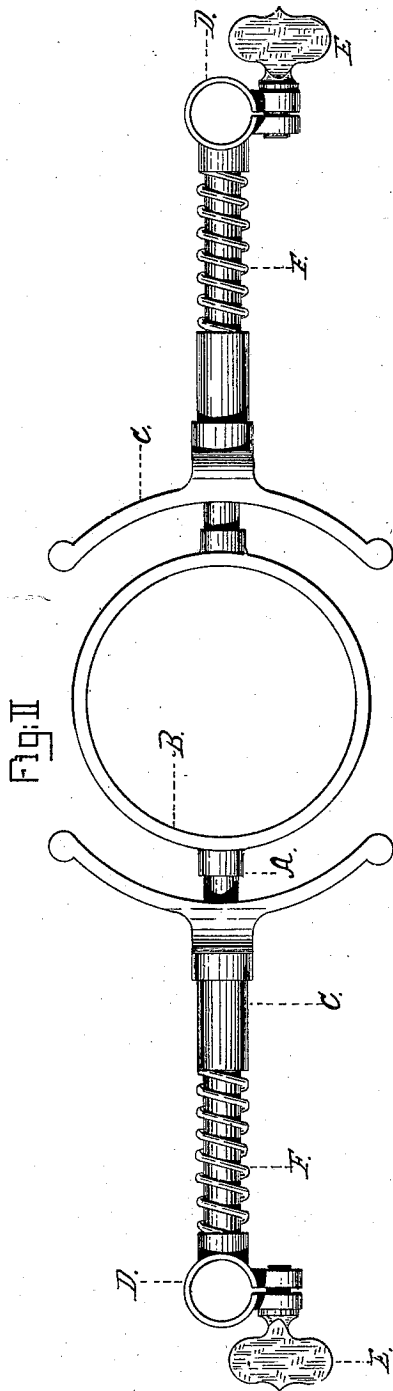


Fig. II

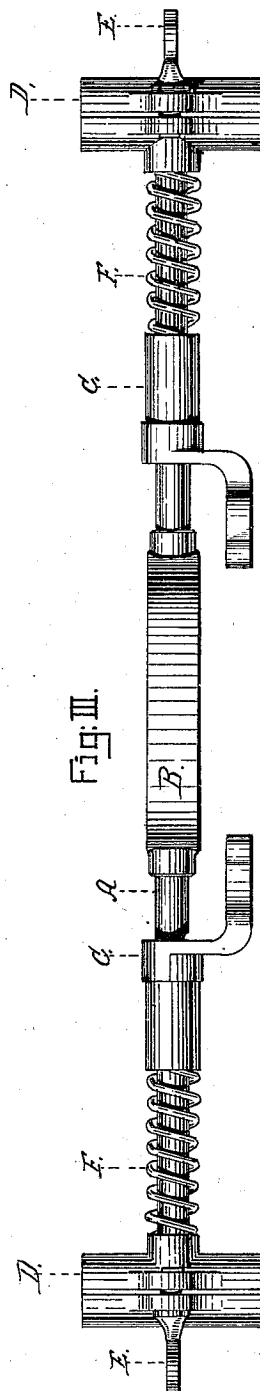


Fig. III

Witnesses.

Henry G. Becker
Frank Encargo

Inventors

John Tregoning and
Lewis H. Latimer
per Parker W. Page, atty

UNITED STATES PATENT OFFICE.

JOHN TREGONING, OF PHILADELPHIA, PENNSYLVANIA, AND LEWIS H. LATIMER, OF NEW YORK, N. Y., ASSIGNORS TO THE UNITED STATES ELECTRIC LIGHTING COMPANY, OF NEW YORK, N. Y.

GLOBE-SUPPORTER FOR ELECTRIC LAMPS.

SPECIFICATION forming part of Letters Patent No. 255,212, dated March 21, 1882.

Application filed September 7, 1881. (No model.)

To all whom it may concern:

Be it known that we, JOHN TREGONING and LEWIS H. LATIMER, residing respectively in the cities of Philadelphia, county of Philadelphia, and State of Pennsylvania, and New York, in the county and State of New York, have invented certain new and useful Improvements in Globe or Shade Supporters for Electric Lamps, of which the following is a specification.

It has been usual heretofore in electric lamps—such as arc-lamps, which have open glass globes or shades—to hold the globe in place upon the lower cross-bar of the lamp by means of globe supporting and fastening devices applied to that part of the lamp. This mode of holding the globe is objectionable and inconvenient on several accounts, principally because with this arrangement it is necessary to remove the globe for the insertion of fresh carbons, and because the shade or globe, when rigidly held, is liable to be broken by jars and to swing the lamp when exposed to the wind. Under our improvement we suspend the globe by its upper end, making use for this purpose of a holder or supporter which extends across, between, and is adjustably fastened to the side rods of the lamp, so that it may be moved up and down thereon, and is provided with spring closing clamps or yokes, which fit tightly around and clasp between them the neck or upper end of the globe. The latter is to be formed with a flange or outward swell or projection above the point where the yokes clasp it, said flange or projection forming a shoulder, which will prevent the globe from dropping down out of the grasp of the yokes.

The nature of our improvement, and the manner in which the same is or may be carried into effect, will be understood by reference to the accompanying drawings, which represent the preferred embodiment of our invention.

Figure 1 is a front elevation of so much of an electric lamp as needed to illustrate the improvement. Fig. 2 is a plan; and Fig. 3 is

an elevation, on enlarged scale, of the globe supporter or holder.

A is a cross-bar, formed at its center so as not to impede or interfere with the passage of the upper carbon, *a*, of the lamp. In the present instance it is formed for the purpose with a central ring, B. At each end of the cross-bar A is a split spring-sleeve, D, provided with ears, through which passes the clamp-screw E. These sleeves fit upon the side rods, *b*, of the lamp, and are held tightly thereon in any required position by means of the clamp-screws. When the screws are loosened the bar can be moved up or down on the rods *b*, as desired. Upon the cross-bar, on each side of the central ring, B, are mounted sliding sleeves C, provided with curved jaws or yokes C', between which the globe is clasped. The yokes are pressed inwardly or toward one another by means of springs suitably arranged. The springs in this instance are spiral springs, F, confined between the outer end of each sleeve and a shoulder on the outer end of the bar A.

The globe G is clasped at its upper end with yielding pressure between the yokes C', and, as shown in Fig. 1, is provided with a flange, *c*, or its equivalent, forming a shoulder, which will rest on top of the yokes, so as to prevent the globe from dropping down away from them.

The device constitutes an efficient globe-holder. It is convenient, and open to none of the objections which attach to the kind of holder heretofore ordinarily employed.

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

1. A globe or shade holder for electric lamps, consisting of a cross-bar or frame formed to permit the passage of the carbon or carbons, and provided with end clasps, by which it may be adjustably fastened to the side rods of the lamp, in combination with spring closing yokes or jaws, which receive and clasp between them the globe, substantially as hereinbefore set forth.

2. The cross-bar provided with central ring

and end split spring sleeve and clamping-
screws, in combination with the globe-holding
jaws or yokes mounted on said bar, and the
jaw or yoke actuating springs, under the ar-
5 rangement and for operation as shown and
described.

3. The combination, substantially as herein-
before set forth, of the side rods of the electric
lamp, the globe-holder adjustably connected
10 with and supported by said side rods, and the

globe carried by and suspended from said
globe-holder.

In testimony whereof we have hereunto affixed
our signatures this 22d day of August, 1881.

JOHN TREGONING.
L. H. LATIMER.

Witnesses:

BENTON O. SEVERN,
PARKER W. PAGE,
W. FRISBY.