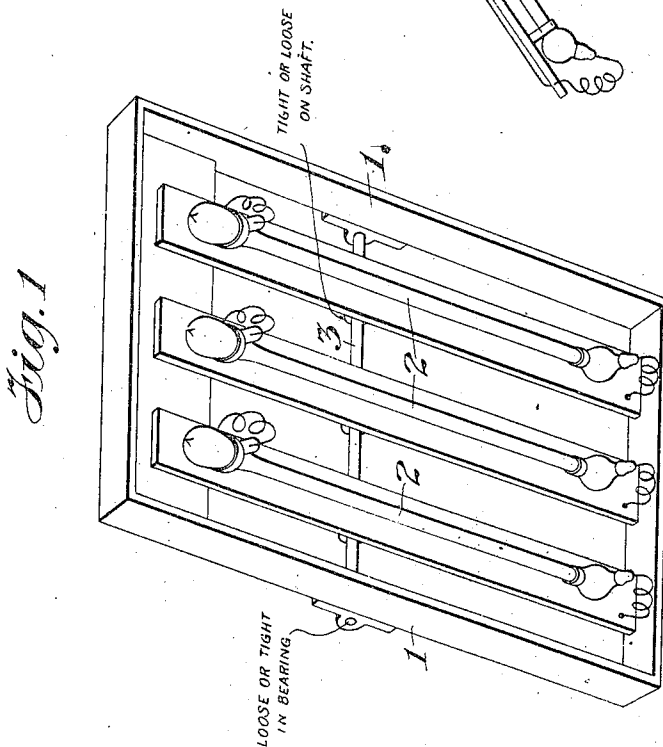
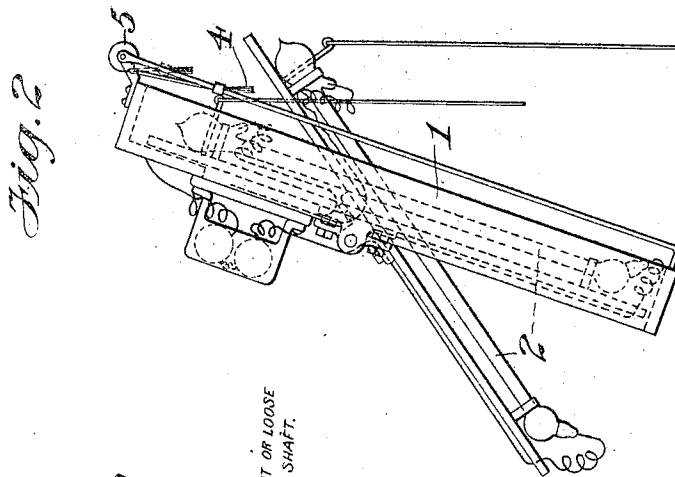


S. E. FLICHTNER.
 ADJUSTABLE SUPPORT FOR VAPOR LAMPS.
 APPLICATION FILED JAN. 9, 1905.

946,027.

Patented Jan. 11, 1910.



Witnesses
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UNITED STATES PATENT OFFICE.

STANWOOD E. FLICHTNER, OF ENGLEWOOD, NEW JERSEY, ASSIGNOR TO COOPER HEWITT ELECTRIC COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

ADJUSTABLE SUPPORT FOR VAPOR-LAMPS.

946,027.

Specification of Letters Patent.

Patented Jan. 11, 1910.

Original application filed July 28, 1904, Serial No. 218,473. Divided and this application filed January 9, 1905. Serial No. 240,273.

To all whom it may concern:

Be it known that I, STANWOOD E. FLICHTNER, a citizen of the United States, and resident of Englewood, county of Bergen, State of New Jersey, have invented certain new and useful Improvements in Adjustable Supports for Vapor-Lamps, of which the following is a specification.

The present invention relates to frames for vapor electric lamps such as are represented by the well-known mercury vapor lamps now in common use.

The special object of the invention is to provide means whereby the starting of such lamps may be readily accomplished either singly or in groups by means of tilting apparatus in which connection is first made between the negative and positive electrodes through a stream or column of mercury, and afterward such connection is broken by a proper manipulation of the apparatus, so that the current which originally flowed through the vapor column or stream shall pass through the vapor path between the main positive and the main negative electrodes.

It has been found in practice that a variety of tilting frames is required for various purposes, whether for photographing by means of mercury vapor lamps, or for printing, enlarging or copying, as the case may be.

This application is a division of my application filed July 28, 1904, Serial Number 218,473, and relates to a special application of the invention therein described and shown.

In the drawings, Figure 1 is a perspective; and Fig. 2 a side-view of an apparatus particularly adapted for photographic purposes.

Referring to the drawings, the lamps, 2, 2, 2, are independently mounted in a frame, 1. Each of the three lamps shown in Fig. 1 may be tilted for starting purposes and restored to operative position independently of the other two, or they may be so connected that a single operation will light the lamps simultaneously. The lamps are pivoted

either independently or in common upon a rod, 3, secured to the frame 1. By this it is meant that the several lamps may be pivoted on the rod 3 or they may be secured to the said rod, the rod itself being rotatable within its bearings. In the former case, each of the lamps would be provided with a separate cord or other means for tilting it, while in the latter case, it would only be necessary to attach a cord to a single one of the lamps.

In Fig. 2 I show a silk screen, 4, dyed with rhodamin or other fluorescent material, the screen being wound on a roller, 5, and adapted to be drawn down in front of the lamps 2, 2, 2, whenever it is desired to modify the normal light from the said lamps, as in preparing for a sitting by a photographic subject. When the full light of the lamps, 2, 2, 2, is desired, the curtain may be released and turned back on the roller 5, which may be of the well-known Hartshorn roller adapted for that purpose.

It will be understood that reflectors may be placed behind the lamps as in the other types of apparatus illustrated in my original application.

I claim as my invention:—

1. The combination with a plurality of vapor electric lamps, of an open frame within which the said lamps are mounted, a common pivot rod for all the lamps and means whereby the said pivot rod may be supported either rotatably or rigidly.

2. The combination with a plurality of vapor electric lamps of an inclined open frame within which said lamps are mounted, a common pivot rod for all the lamps, and means whereby the said pivot rod may be supported either rotatably or rigidly.

Signed at New York, in the county of New York, and State of New York, this 3rd day of January A. D. 1905.

STANWOOD E. FLICHTNER.

Witnesses:

WM. H. CAPEL,
GEORGE H. STOCKBRIDGE.