S. E. FLICHTNER.

ADJUSTABLE SUPPORT FOR VAPOR LAMPS.

APPLICATION FILED JAN. 9, 1905.

900,719. Patented Oct. 13, 1908.

Fig. 2

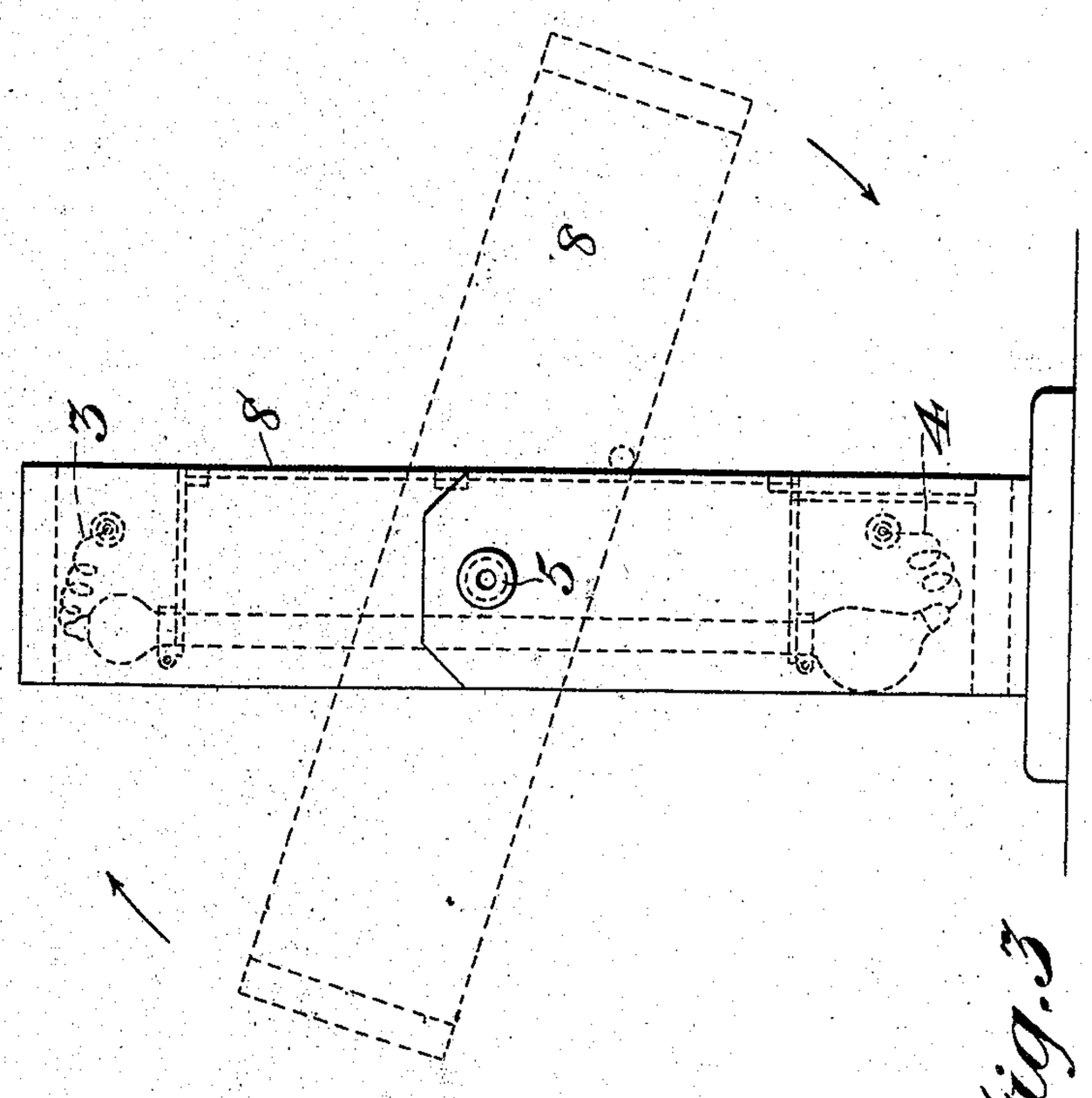


Fig. 3

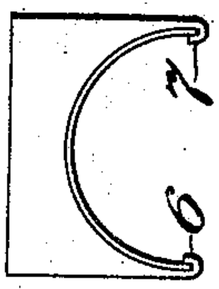
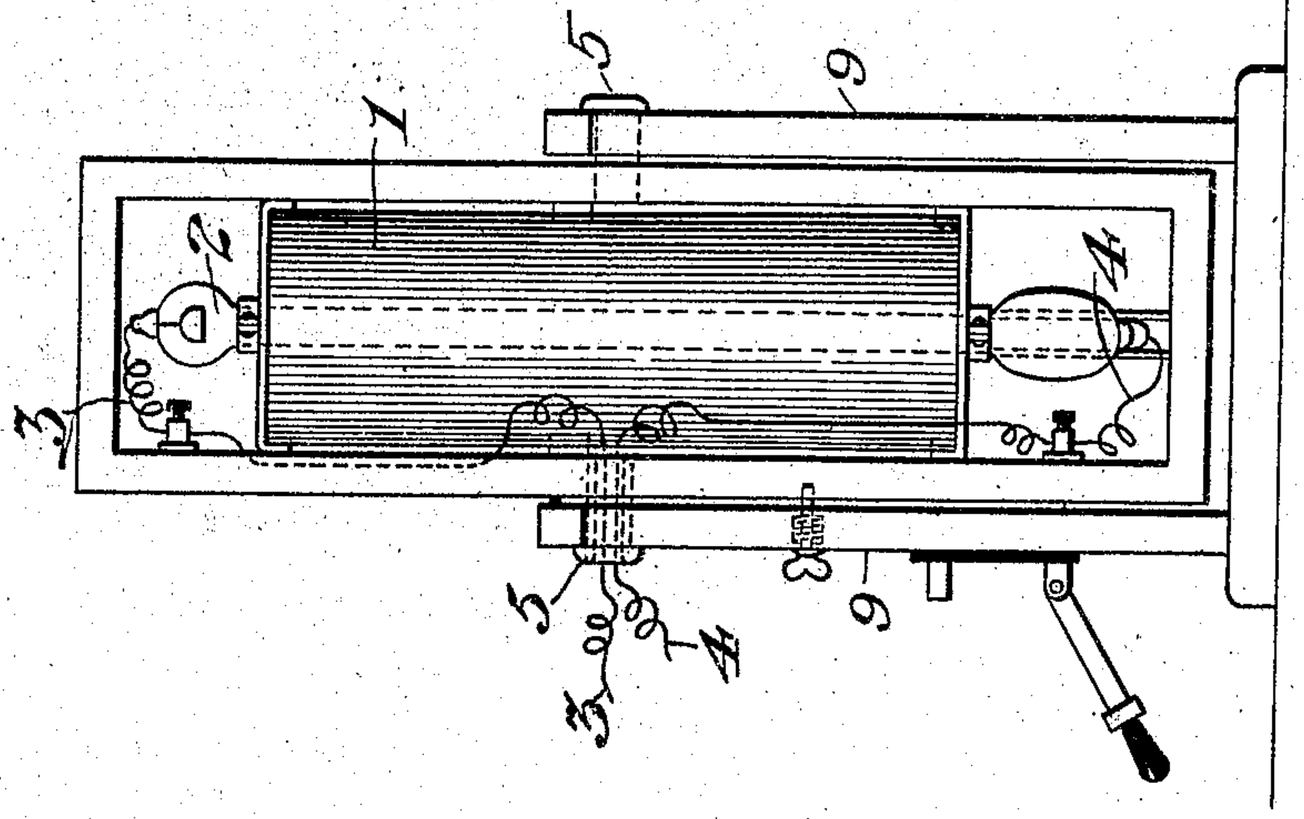


Fig. 1



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.

No. 900,719. Specification of Letters Patent. Patented Oct. 13, 1908.

Original application filed July 28, 1904, Serial No. 218,473. Divided and this application filed January 9, 1905. Serial No. 240,277.

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 afterwards 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, Figures 1 and 2 are, respectively, front and side elevations of one type of apparatus commonly used for copying work; and Fig. 3 is a detail view.

In the first figure of the drawings, 1 is a reflector arranged behind a mercury vapor lamp, 2. Lead-wires, 3 and 4, are shown as connected with the terminals of the lamp, such lead-wires passing through a pivot, 5.

The reflector 1 and the lamp 2 may be supported upon a suitable frame 8 which is pivoted centrally at 5, 5, in suitable standards, 9, 9.

The view shown in Fig. 2 is a side view of the apparatus appearing in Fig. 1.

In Fig. 3 is shown a section of the reflector with its edges turned over at 6 and 7 to receive a white paper or other material as a reflecting surface. This reflecting material can, of course, be renewed at any time by simply withdrawing the reflector already in the apparatus and replacing it by a new one.

The lamp may be started by first tilting the supporting frame 8 into the position shown in dotted lines in Fig. 2 and afterwards restoring the frame to the full line position whereby the mercury in the two ends of the lamp will be first brought into contact and afterwards separated for starting purposes. It will be understood that the frame 8 may support a plurality of lamps as well as the single lamp illustrated.

I claim as my invention:—

The combination with a tilting frame and a vapor electric lamp supported thereby, of a guide located behind the lamp and extending along practically the entire luminous body thereof, the said guide being of curved form and being adapted to receive reflecting material.

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.