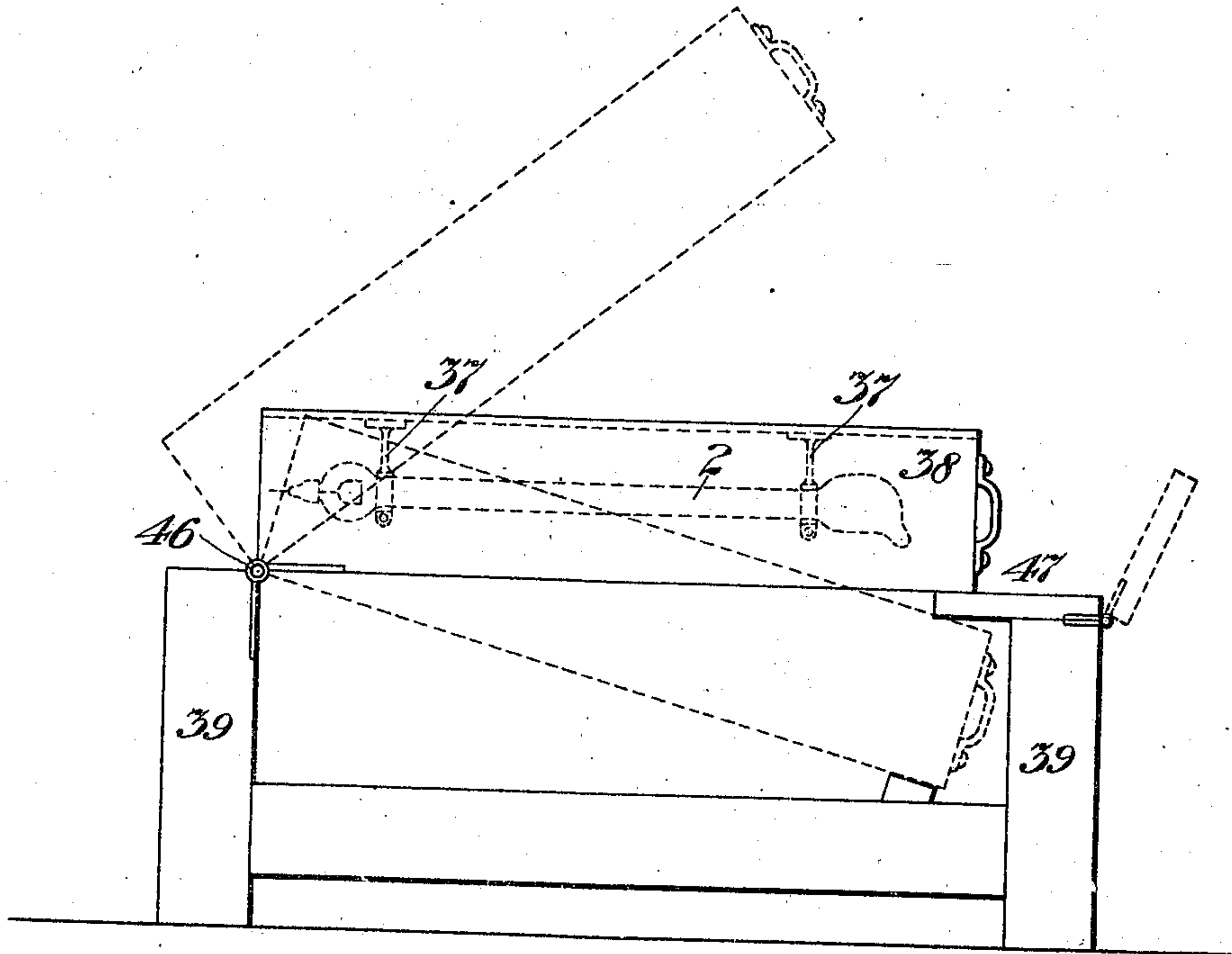


No. 847,566.

PATENTED MAR. 19, 1907.

S. E. FLIGHTNER.  
ADJUSTABLE SUPPORT FOR VAPOR LAMPS.  
APPLICATION FILED JULY 28, 1904.



Witnesses  
Chas. J. Clagett  
Wm. D. Capel.

Inventor  
Stanwood E. Flightner  
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# UNITED STATES PATENT OFFICE.

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

## ADJUSTABLE SUPPORT FOR VAPOR-LAMPS.

No. 847,566.

Specification of Letters Patent.

Patented March 19, 1907.

Application filed July 28, 1904. Serial No. 218,473.

*To all whom it may concern:*

Be it known that I, STANWOOD E. FLICHTNER, a citizen of the United States, and a 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.

The drawing represents a side elevation of one embodiment of my invention, the same consisting of an apparatus for so-called "continuous" blue-printing.

In the drawings the printing-frame 38 is hinged at 46 to the base by standard 39.

At 47 is indicated a shelf, which is also hinged to the base or standard 39, supporting

the other end of the frame 38. The lamp adapted is shown in its normal operating condition. To start the lamp by the tilting method, the end of the frame is lifted to the position indicated by the dotted lines, when the mercury forms a connection between the two electrodes. The shelf 47 is thrown back into the dotted-line position, permitting the frame to drop into the position shown by the lower dotted lines, thus allowing the mercury to flow back to its proper position. The frame 38 is then raised, the shelf 47 is returned to its place, and the frame is dropped upon the said shelf and supported in a horizontal position.

I claim as my invention—

1. In a printing apparatus, vapor electric-lighting apparatus mounted upon a plate, a hinge at one end of said plate, a hinged support at the opposite end thereof, and means whereby the said plate can be moved to an inclined position either above or below its normal operating position.

2. In a printing apparatus, vapor electric-lighting apparatus mounted on a suitable plate, a hinge at one end of the said plate, a hinged support at the opposite end of the said plate, means whereby the plate may be moved to an upwardly-inclined position, and means whereby the support may be withdrawn for moving the plate to a downwardly-inclined position.

Signed at New York, in the county of New York and State of New York, this 21st day of July, A. D. 1904.

STANWOOD E. FLICHTNER.

Witnesses:

WM. H. CAPEL,

GEORGE H. STOCKBRIDGE.