

J. B. CHURCH & J. C. DRISCOLL.  
Lamp-Attachments for Sewing-Machines.

No. 146,988.

Patented Feb. 3, 1874.

Fig. 1.

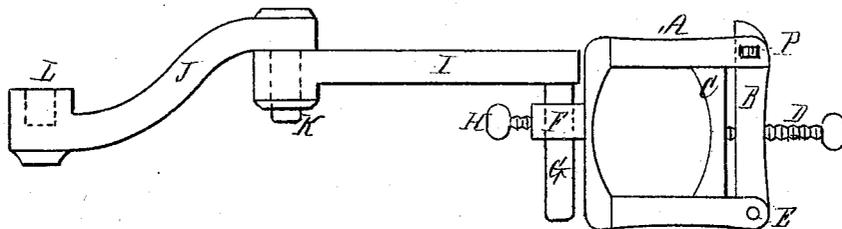
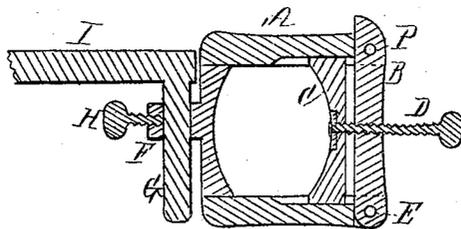


Fig. 2.



Witnesses  
H. E. Metcalf  
Lyman Wilson

Inventor,  
John B. Church,  
John C. Driscoll,  
By C. A. Shaw,  
Attor.

# UNITED STATES PATENT OFFICE.

JOHN B. CHURCH AND JOHN C. DRISCOLL, OF CAMBRIDGE, MASSACHUSETTS.

## IMPROVEMENT IN LAMP ATTACHMENTS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **146,988**, dated February 3, 1874; application filed January 10, 1874.

*To all whom it may concern:*

Be it known that we, JOHN B. CHURCH and JOHN C. DRISCOLL, of Cambridge, in the county of Middlesex, State of Massachusetts, have invented a certain new and useful Improvement in Lamp Attachments for Sewing-Machines, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which our invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part of this specification, in which—

Figure 1 is a side elevation of our improved attachment. Fig. 2 is a vertical longitudinal section of the same.

Like letters refer to like parts in the different figures of the drawing.

Our invention relates more especially to that class of sewing-machines in which the needle-bar is driven by a rotating shaft, or by a vibrating arm, in which the arm is incased; and consists in a lamp-holder provided with a clamp mechanism for attaching it to the arm of the sewing-machine, as hereinafter more fully set forth, the object being to provide a better means of furnishing light to sewing-machine operatives than has heretofore been used.

All practical operators of sewing-machines are aware of the difficulties attending the use of such machines by lamp-light furnished in the ordinary manner. If the lamp is placed on the table of the machine, it is very liable to be upset and broken; and if removed to any great distance, sufficient light will not be given to see by. These difficulties are entirely obviated by our invention, which will be appreciated by all sewing-machine operatives, especially where any other artificial light than gas is used.

In Fig. 1, A is the clamp or body of the attachment, provided with a swing-jaw, B, one end of which is pivoted to said body at E. A thumb-screw, D, is disposed in the part B, and has attached to its inner end the follower C, which is arranged to slide in grooves in the

body A, as shown in Fig. 2. A stud, F, projecting from the clamp A, is provided with a set-screw, H. The arms I J, jointed together at K, form a swinging bracket, which is supported in the stud F by the projection G. The screw D is attached to the follower C in such a manner as to be easily turned to the right or left without being withdrawn therefrom. There is a hole in the upper part of the body A, and a corresponding hole in the upper end of the jaw B, through which the pin P is passed to retain the jaw in position on the arm of the sewing-machine. The grooves in which the follower C slides in the body of the clamp A are so formed that when said clamp is moved outwardly (by turning the screw D to the left) until it is brought into contact with the jaw B, and the pin P is withdrawn, the jaw B may be turned down or outwardly on its hinge E, and will carry the follower C with it.

From the foregoing, the operation of our invention will be readily understood by all conversant with such matters. The jaw B of the clamp A being turned down, as described, the clamp is pushed onto the arm of the sewing-machine, and the jaw turned up or closed, and fastened by the pin P. The screw D is then turned inwardly until the follower C is brought forcibly into contact with said arm, by which means the clamp will be fastened firmly in position. A lamp is then inserted at L in the arm J, and can be readily adjusted for use by means of the jointed bracket and screw H.

Having thus described our invention, what we claim is—

The lamp attachment for sewing-machines described, consisting of the clamp A, provided with the hinged jaw B, screw D, follower C, and bracket-stud F for holding the lamp, constructed to operate substantially as specified.

JOHN B. CHURCH.  
JOHN C. DRISCOLL.

Witnesses:

C. A. SHAW,  
H. E. METCALF.