

R. F. WILLCOX.

Treadles for Sewing-Machines.

No. 155,133.

Patented Sept. 15, 1874.

Fig. 1.

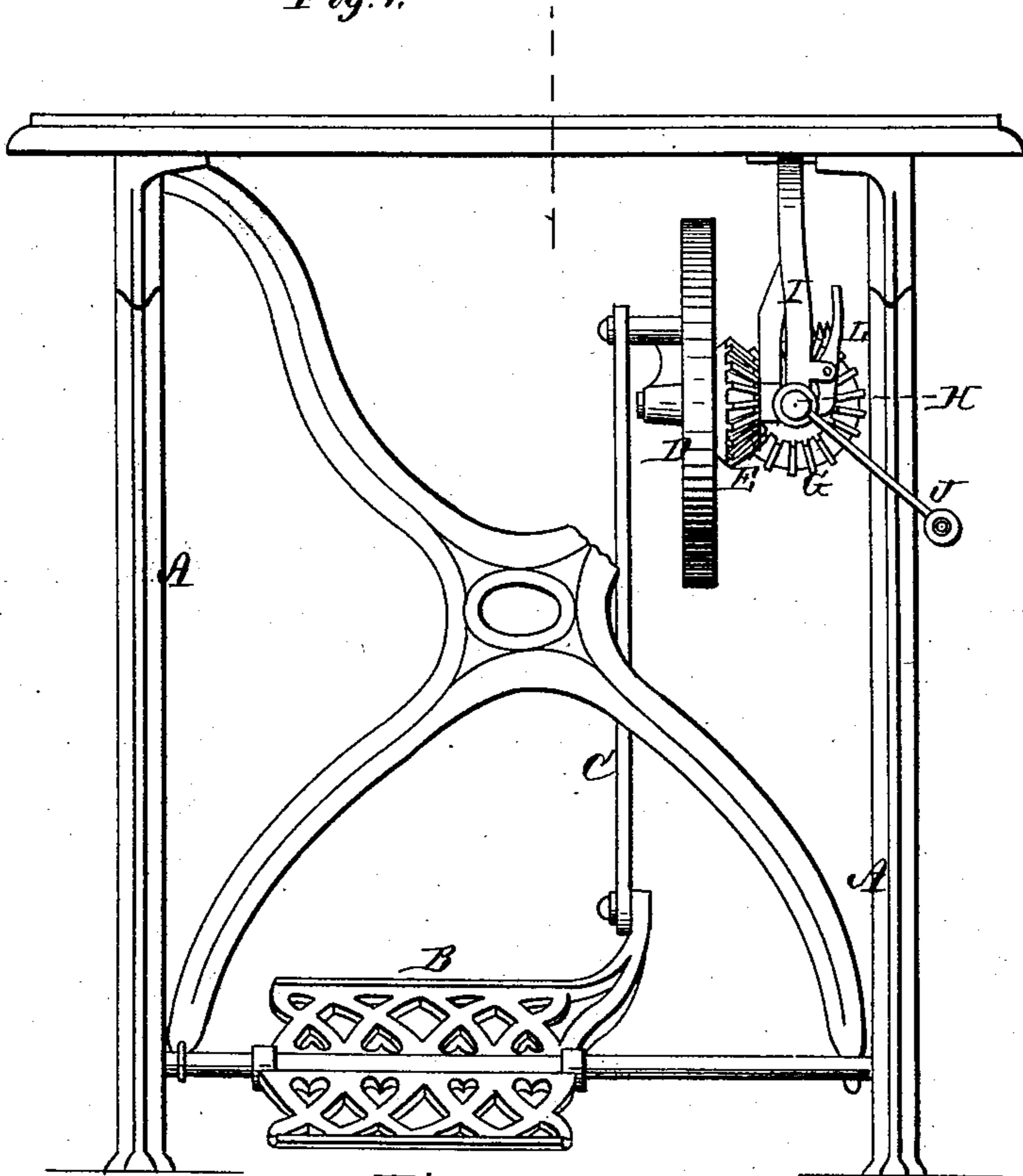


Fig. 2.

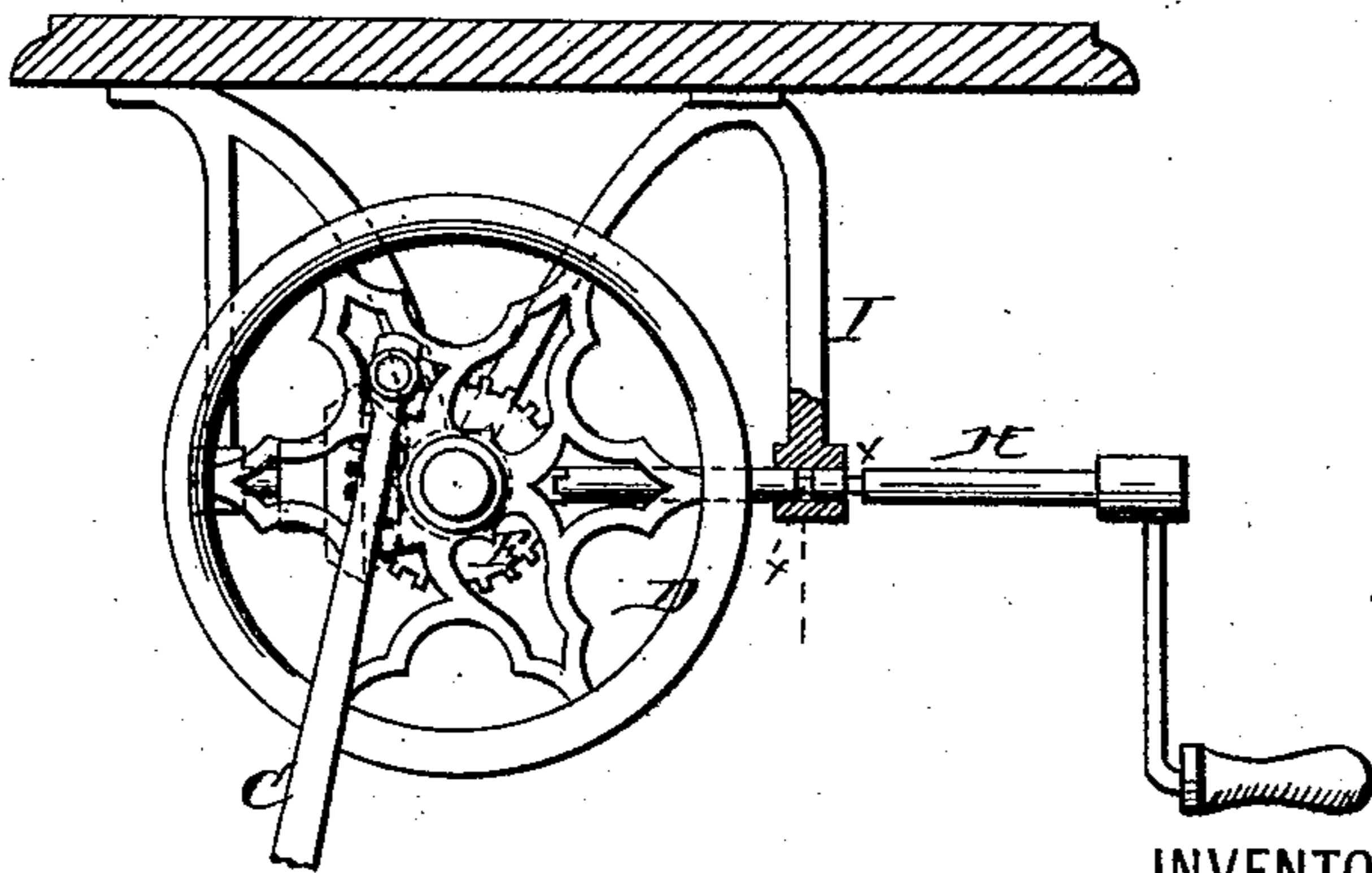
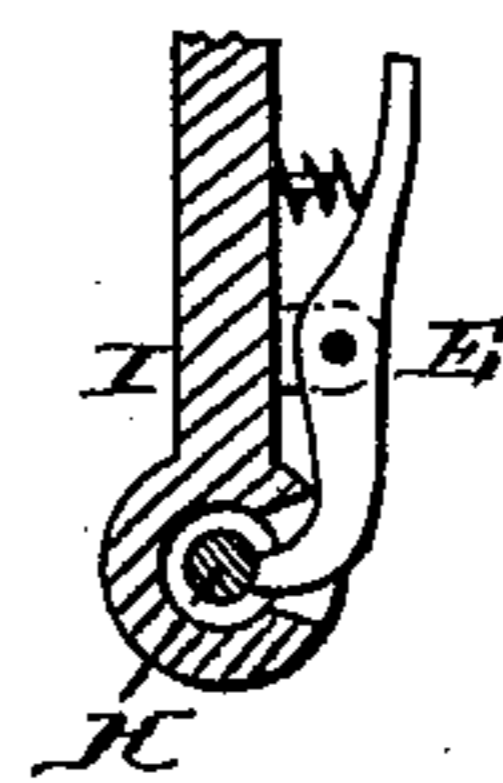


Fig. 3.



WITNESSES

Henry N. Miller
C. R. Ewert.

INVENTOR

Robert F. Willcox,
per

Charles Mason

Attorneys

UNITED STATES PATENT OFFICE.

ROBERT F. WILLCOX, OF MEMPHIS, TENNESSEE.

IMPROVEMENT IN TREADLES FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **155,133**, dated September 15, 1874; application filed July 23, 1874.

To all whom it may concern:

Be it known that I, ROBERT F. WILLCOX, of Memphis, in the county of Shelby and in the State of Tennessee, have invented certain new and useful Improvements in Sewing-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in an attachment to the band-wheels of sewing-machines, whereby the motive power may be changed from treadle to hand-crank, and vice versa, when desired, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a front elevation of a sewing-machine stand embodying my invention. Fig. 2 is a section of the same through the line *xx*, Fig. 1; and Fig. 3 is a section, showing the catch for holding the crank attachment in position.

A represents the stand of a sewing-machine. B is the treadle; C, the pitman, and D the band-wheel, all constructed in any of the known and usual ways. On the axis of the band-wheel D is secured a bevel-gear wheel, E, which meshes with a similar wheel, G, on a shaft, H. This shaft has its bearings in

suitable hangers I I, attached to the under side of the sewing-machine top, or to the stand, as desired. On the front end of the shaft H is a crank, J.

This device is so arranged that the crank will be placed to the right of the operator, at a natural and easy position for the hand and arm—say, about on a level with the lap of the operator while sitting before the machine.

The shaft H can be moved backward and forward in its bearings I I, so as to instantly change from hand to treadle, and vice versa. In either position the shaft is held by means of a spring-catch, L, entering circumferential grooves *x* on the shaft H.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the band-wheel D of a sewing-machine, of the bevel-gear wheels E G, adjustable shaft H, and crank J, substantially as and for the purposes herein set forth.

2. The combination of the adjustable shaft H, having circumferential grooves *xx*, and the spring-catch L, as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 30th day of June, 1874.

ROBERT FRANCIS WILLCOX.

Witnesses:

C. L. EVERT,

JOHN A. REYNOLDS.