

(No Model.)

J. L. RANDOLPH.
TREADLE ATTACHMENT.

No. 346,562.

Patented Aug. 3, 1886.

Fig. 1.

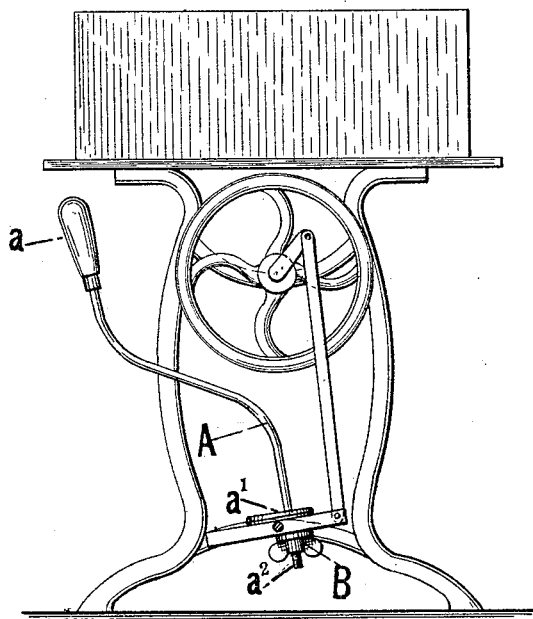


Fig. 2.

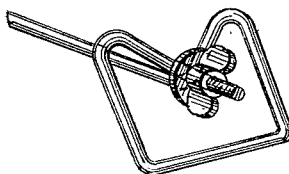
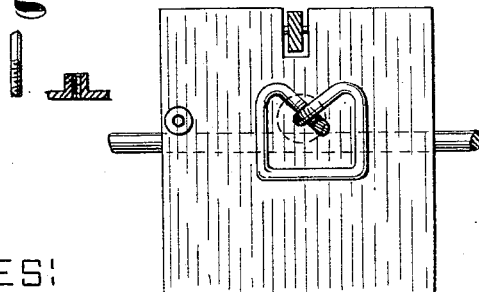


Fig. 4. Fig. 3.



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JAMES L. RANDOLPH, OF MARTINSBURG, WEST VIRGINIA.

TREADLE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 346,562, dated August 3, 1886.

Application filed September 5, 1884. Serial No. 142,370. (No model.)

To all whom it may concern:

Be it known that I, JAMES L. RANDOLPH, of Martinsburg, county of Berkeley, and State of West Virginia, have invented new and useful Improvements in Treadle Attachments; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

This invention is a lever of special construction, which is adapted for convenient attachment to the treadle of any sewing-machine for the purpose of enabling it to be actuated by the hand of the operator or helper, instead of by the feet of the operator.

In the drawings, Figure 1 represents one form of my improvement attached to the treadle of a sewing-machine; Fig. 2, a perspective view of the lower end of the lever; Fig. 3, a plan view of a treadle having the lever attached thereto, and Fig. 4 detached views illustrating a different form of my invention.

To enable others skilled in the art to make and use my invention, I will describe fully the construction of the same.

A represents one form of the lever, which may consist of a rod having at one end the handle *a*, and at the other end the right-angled bearing-face *a'*, formed by bending the rod in any suitable manner.

*a*² represents a projecting end of the rod, which is provided with a screw-thread and nut, as shown in Figs. 1 and 2.

B represents a thumb-screw and washer, which is employed to obtain a better bearing-surface.

The lever-rod may be so bent as to bring the handle into any easy and convenient position to the hand of the operator or helper.

The manner of applying the lever will be readily understood. The projecting end *a*² is

passed through any proper opening in the treadle, and the washer having been slipped on the same the thumb-screw is turned to place.

If desired, a threaded opening or other proper opening may be made in the treadle itself, and the lower end of the lever be modified in form to engage with the same, as shown in Fig. 4.

The advantages of the use of such a lever are well-known, some of which are its simplicity, durability, ease of attaching to, and ease of detaching from, the treadle of the machine, and its cheapness, which brings it within reach of every one.

I do not confine myself to this particular construction of the bearing-face *a'*, as shown in Figs. 2 and 3, nor to the particular point of attachment of the lever to the treadle.

The bearing-face may be made in any well-known manner, and the point of attachment may be placed in the most convenient position on the treadle to bring the handle of the lever-bar within easy reach of the hand of the operator or helper.

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

1. In combination with the ordinary treadle of a sewing-machine, a removable lever attached to the treadle in such manner that by the reciprocation of the upper end of the lever the treadle is rocked in its pivot-bearings.

2. The described lever, consisting of the handle A, with bearing-face *a'*, projecting end *a*², and thumb-screw B, as described.

This specification signed and witnessed this 5th day of September, 1884.

JAMES L. RANDOLPH.

Witnesses:

H. W. BEADLE,
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