

W. I. MANN.

Sewing-Machine Treadles.

No. 147,415.

Patented Feb. 10, 1874.

Fig. 1

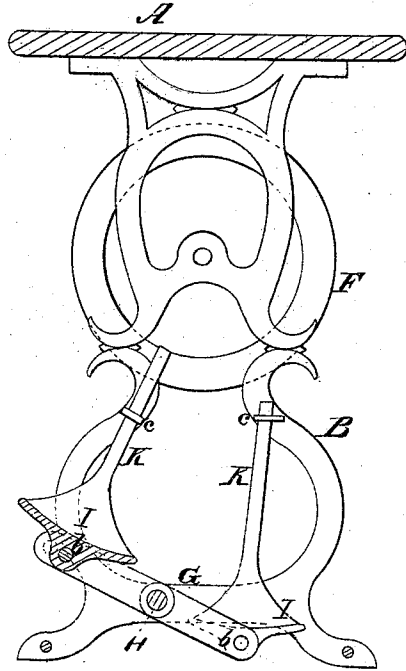
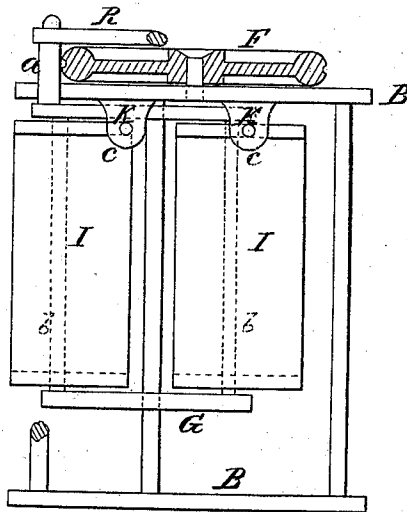


Fig. 2.



WITNESSES

Mary S. Westy.
E. E. Upham.

INVENTOR

William I. Mann.
Chipman Fossum & Co

By

ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM I. MANN, OF PITTSBURG, PENNSYLVANIA.

IMPROVEMENT IN SEWING-MACHINE TREADLES.

Specification forming part of Letters Patent No. **147,415**, dated February 10, 1874; application filed January 17, 1874.

To all whom it may concern:

Be it known that I, WILLIAM I. MANN, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and valuable Improvement in Sewing-Machine Treadles; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical section of my sewing-machine treadle. Fig. 2 is a horizontal section of the same.

This invention has relation to treadle movements for sewing-machines, lathes, and other light-running machines; and it consists in the combination of two treadles and a rocker with guides for the treadles, which will cause them to maintain convenient angles to accommodate the feet of the operator while at work, as will be hereinafter explained.

The following is a description of my improvement:

In the annexed drawings, A represents the top of a sewing-machine table, and B B are the legs thereof, which may be constructed in the usual well-known manner, with the exception that on the inner side of one of the legs lugs *c c* are cast or otherwise applied, through which eyes are made. G represents a rocking frame, which is applied on a hori-

zontal shaft, H, located near the floor, and having its bearings in the table-legs B B. Motion is communicated to the fly-wheel F from the rocking frame G by means of a pitman-rod, R, the lower end of which is pivoted to an offset, *a*, on one end of the said frame. I I are two treadles, arranged one in front of the other, and pivoted to the frame G by means of the rods *b b* thereof. These treadles I I have arms K K rising from their ends, which arms pass through the guides or lugs *c c* on one of the legs B, and are allowed free play in these guides. The guides *c c* are so arranged that the treadles will be caused to assume the most convenient positions for the feet of the operator while at work.

It will be seen from the above description that the movements of the legs while operating the machine correspond to their natural movement in walking, and that there will be little or no articulation and strain on the ankles.

What I claim as new, and desire to secure by Letters Patent, is—

The rocking frame G, in combination with the independently-rocking treadles I I and their arms K, guided substantially as described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM IMRIE MANN.

Witnesses:

JOHN C. LEWIS,
GRAM CURTIS.