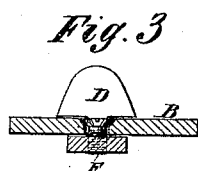
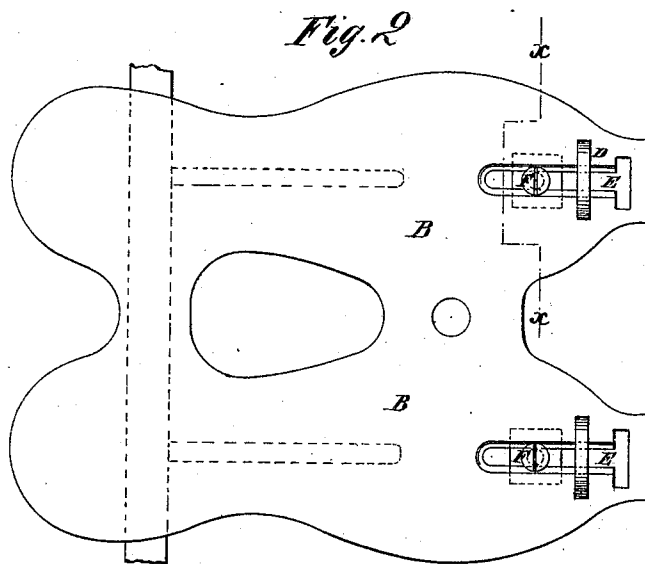
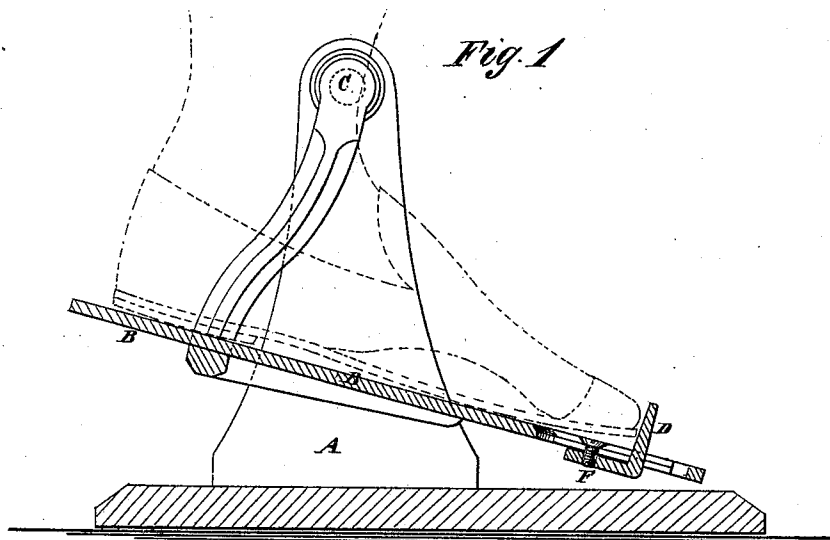


W. H. STEWART.
SEWING-MACHINE TREADLE.

No. 175,386.

Patented March 28, 1876.



Witnesses:
Aug^t Hayward
Alfred Robinson

Inventor:
William H. Stewart.

UNITED STATES PATENT OFFICE.

WILLIAM H. STEWART, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN SEWING-MACHINE TREADLES.

Specification forming part of Letters Patent No. **175,386**, dated March 28, 1876; application filed September 15, 1875.

To all whom it may concern:

Be it known that I, WILLIAM H. STEWART, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Sewing-Machine Treadles, of which the following is a specification:

The object of my invention is to prevent motion at either the knee or hip joints in running the sewing-machine; and this is accomplished by making the axis of the treadle and the ankle-joints to coincide, and the foot and treadle move in the arc of a circle of which the ankle-joint is the center, thereby saving that unnecessary exertion and waste of power occasioned by the motion of the legs whenever the ankles are in any other position. To effect this object perfectly it is necessary to place the foot on the foot-board of the treadle, so that the ankle-joints may be directly in line with the axis or center of motion of the treadle, and to secure the foot and ankle-joint in this position. I secure this position of the ankle-joint by placing a ledge or stop directly in front of the foot on the foot-board. A fixed ledge or stop does not effect the object, owing to the varying lengths of feet. It might be right for one person's feet, but entirely wrong

for another. Hence I make the ledge or toe-stop movable on the foot-board, capable of being set quickly at any point desired, and secured in that position by a screw or equivalent device.

In the accompanying drawing, A represents the frames of the sewing-machine, which are of the usual character; B, the foot-board of the treadle; C, the journals or pivots on which the treadle swings; D, the ledge or toe-stop; E E, Fig. 2, the slot in which the toe-stop is adjustable; F, screw for fastening the toe-stop in any desirable position.

Figure 1 is a side view of the treadle in section. Fig. 2 is a plan of the treadle. Fig. 3 is an elevation of the toe-stop and a portion of the foot-board.

I claim as my invention—

The toe-stop or ledge, adjustable horizontally or otherwise upon the foot-board, in combination with a treadle, substantially as and for the purposes set forth.

WILLIAM H. STEWART.

Witnesses:

ALFRED ROBINSON,
AUGT. HAYWARD.