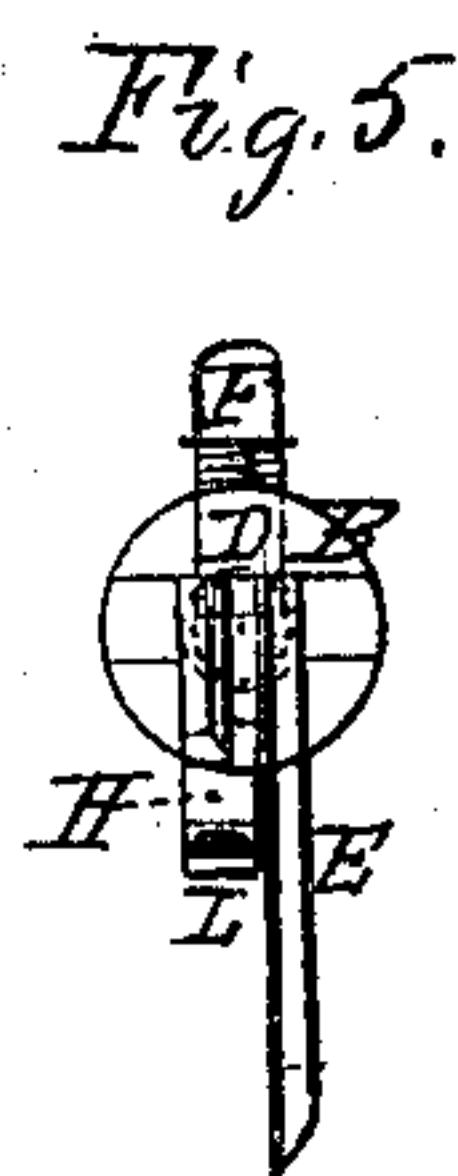
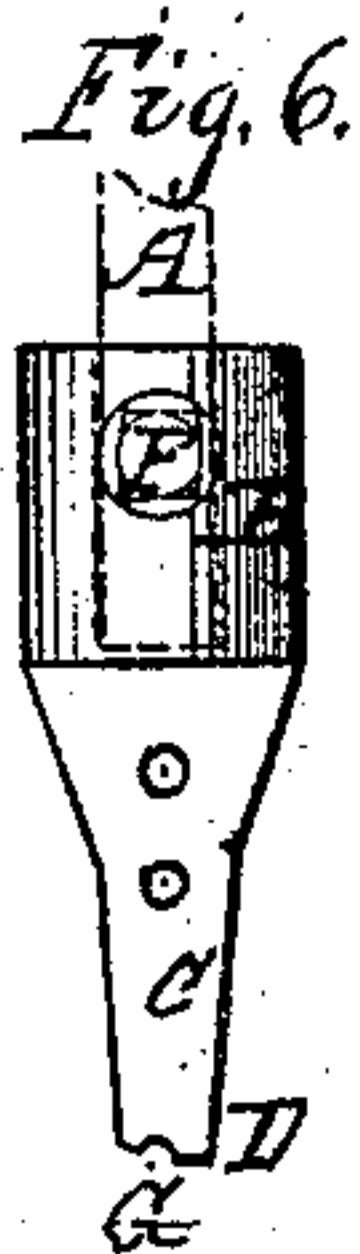
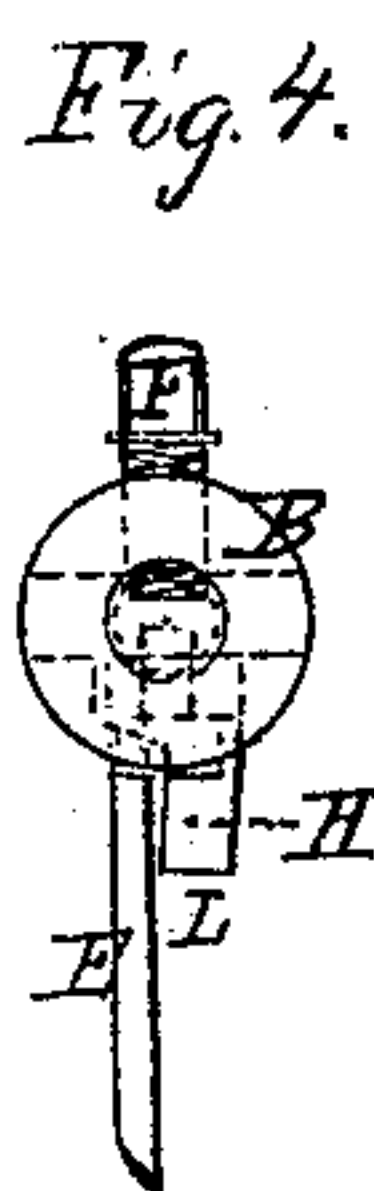
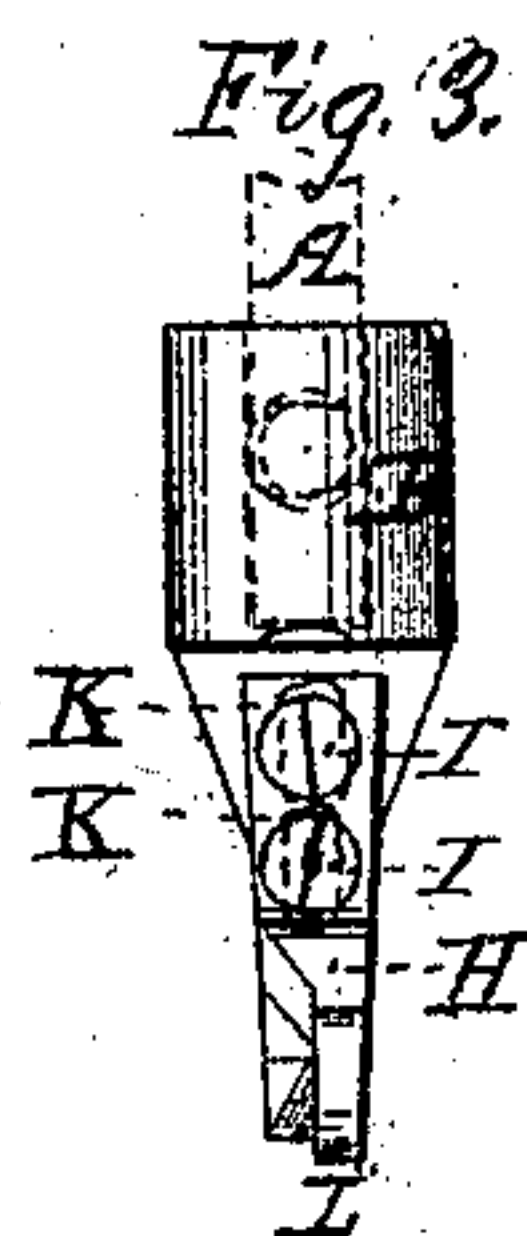
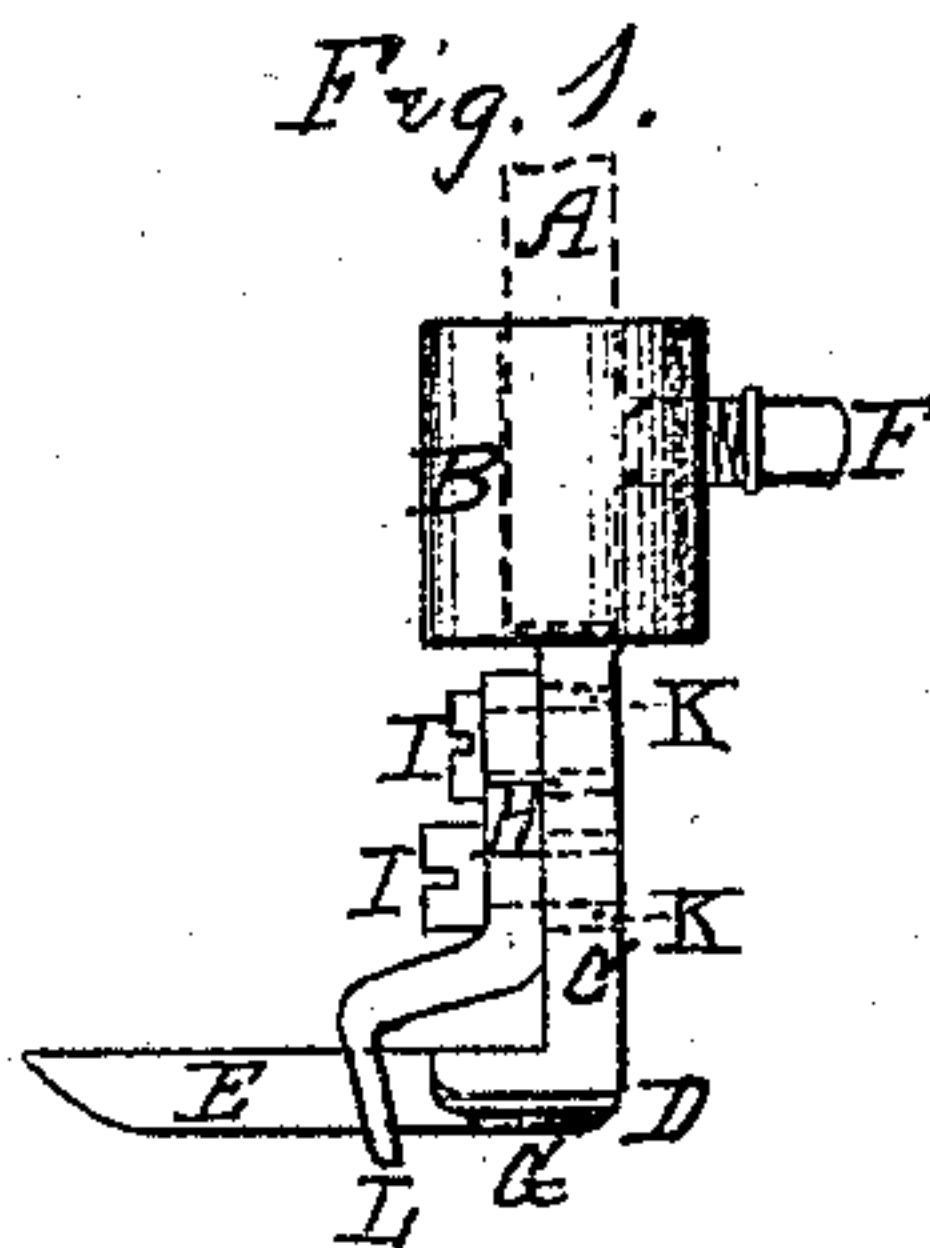
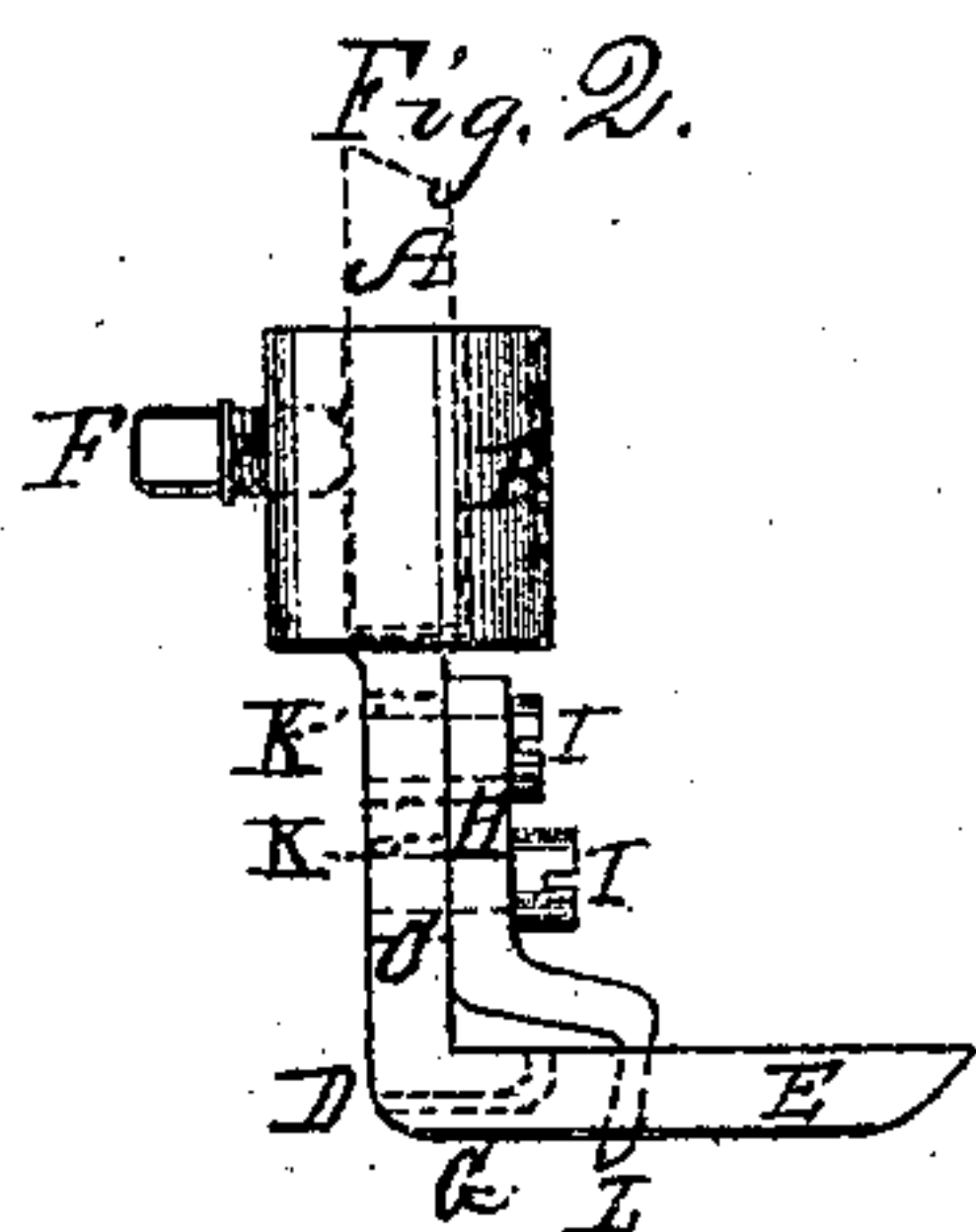


A. S. Woodward, Sewing Machine.

No. 110,945.

Patented Jan. 10, 1871.



Witnesses:
Arthur O'Neill
Emile Mott

Inventor:
Alfred S. Woodward

UNITED STATES PATENT OFFICE.

ALFRED S. WOODWARD, OF NEW YORK, N. Y.

IMPROVEMENT IN PRESSERS AND STITCH-DIVIDERS FOR SEWING-MACHINES.

Specification forming part of Letters Patent No. **110,945**, dated January 10, 1871.

To all whom it may concern:

Be it known that I, ALFRED S. WOODWARD, of the city, county, and State of New York, have invented an Improved Presser and Stitch-Divider for Boot and Shoe Sewing Machines, of which the following is a specification:

My invention relates to that class of devices connected with and forming part of a sewing-machine known as the "presser," which is employed for holding the work to be sewed in position while the needle is entering the leather or material to be sewed; but pressers, as constructed heretofore, merely performed the office of holding the leather in position, as stated, while marking and dividing the stitches, to give the sewing a workmanlike and finished appearance, had to be done by hand, and not always with accuracy, although much time, labor, and expense had been consumed in the operation.

To obviate the necessity for hand-labor in connection with the presser suggested to me the present invention, the nature of which consists in forming the foot of the presser concave or arched, so that it will press on the leather on both sides of the line of stitching, and at the same time permit the stitching to project a little above the surface of the sole of the boot or shoe, or other portions of the same to be sewed, and retain the natural round form after marking and dividing the stitches; and it also consists in attaching to the presser a marker or stitch-divider, for the purpose of marking and dividing the stitches with accuracy, giving to the stitching of the boot or shoe a neat, accurate, and workmanlike finish, as I will further explain by reference to the drawing, in which—

Figure 1 is a side elevation of a presser, showing the concave foot and stitch-divider attachment; Fig. 2, an elevation of opposite side, Fig. 3 a front elevation, Fig. 4 a top

view, Fig. 5 an under-side view, and Fig. 6 a rear view, of same, showing concave foot.

In the said drawing, A indicates the presser-shaft, which is operated by the sewing-machine, and represented in dotted lines. B is the hub of the presser; C, the leg; D, the concave heel; E, the foot, and F a set-screw for attaching the presser to the operating-shaft A.

The movements of the presser are reciprocating up and down, permitting the work to be fed along at the proper time, as with ordinary pressers, while the concave heel D permits the stitching to retain its round form by passing under the concave heel, the presser, when down, bearing on both sides of the line of sewing.

H is the adjustable stitch-divider, attached to the leg C of the presser by set-screws I I, which pass through slots K K in the stitch-divider, said divider being rectangular in shape, (see Figs. 1 and 2,) with its marking-point L extending a little below the foot E of the presser.

The stitch-divider, being attached to the presser, partakes of the movements of the presser, and the stitching being always in advance of the divider, as the presser is brought down on the work the divider strikes between the ends of the stitches, making a cross, crease, or finish, as set forth.

I claim—

The presser D, having the concave recess G in the heel, and the adjustable stitch-divider H L secured thereto, substantially as and for the purposes described and specified.

In testimony whereof I have hereunto set my signature this 22d day of June, 1870.

ALFRED S. WOODWARD.

Witnesses:

ARTHUR NEILL,
EMILE MOLTZ.