(Model.)

E. PITMAN.

PRESSER FOOT AND GUIDE FOR SEWING MACHINES.

No. 246,907. Patented Sept. 13, 1881.

Fig. 1.

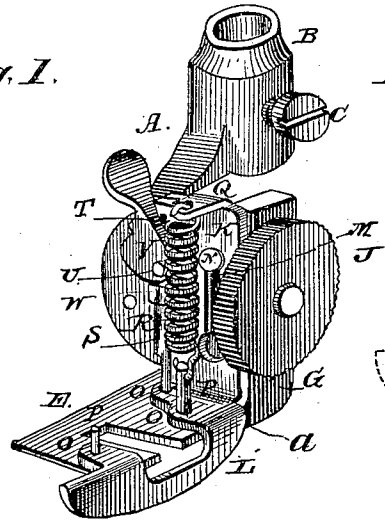


Fig. 2.

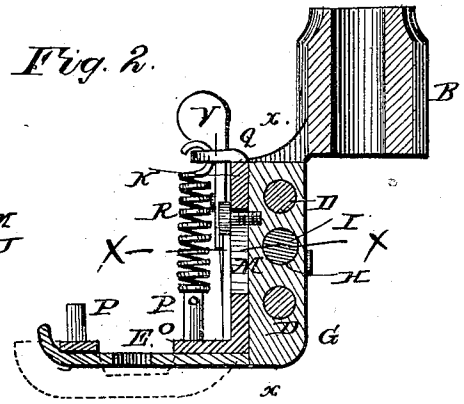


Fig. 3

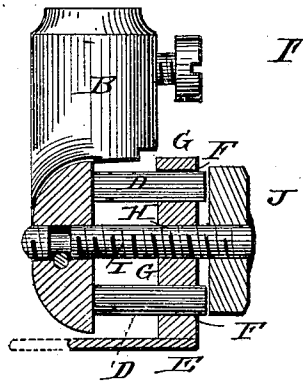


Fig 4

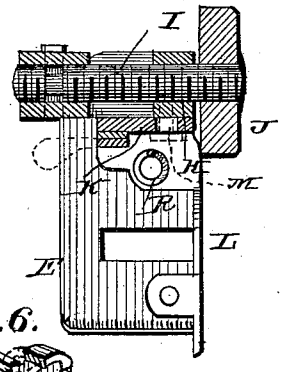


Fig. 5.

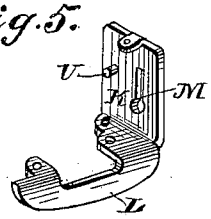
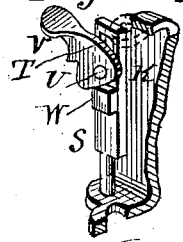


Fig. 6.



WITNESSES

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UNITED STATES PATENT OFFICE.

EBEN PITMAN, OF PUTNAM, CONNECTICUT.

PRESSER-FOOT AND GUIDE FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 246,907, dated September 13, 1881.

Application filed April 29, 1881. (Model.)

To all whom it may concern:

Be it known that I, EBEN PITMAN, of Putnam, in the county of Windham and State of Connecticut, have invented certain new and useful Improvements in Presser-Feet and Guides for Sewing-Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view of my improved presser-foot. Fig. 2 is a vertical longitudinal sectional view. Fig. 3 is a vertical cross-section; and Fig. 4 is a horizontal sectional view on the line *x x*, Fig. 2. Figs. 5 and 6 are detail views to be hereinafter referred to.

Corresponding parts in the several figures are denoted by like letters of reference.

My invention relates to certain new and useful improvements in applying a guide in connection with the presser-foot which confines the cloth to the table, whereby said guide is adapted to be adjusted to any suitable distance from the needle and be self-adjustable to various thicknesses of cloth under operation; and to this end the invention consists in novel features of construction and combination and arrangement of parts, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents the presser-foot, which may be secured in the usual manner to the lower end of the foot-bar by the collar B and set-screw C, or in any other suitable well-known manner. The foot A is provided with laterally-projecting guide-rods D D, upon which the foot-plate E is adjusted to slide laterally by means of horizontal perforations F F in the vertical shank G of said foot-plate. The said shank G is also provided with a threaded perforation, H, in which works a screw, I, swiveled in the foot A, and provided with a milled handle or thumb-piece, J. It will be seen that by operating the latter the foot-plate may be adjusted laterally in relation to the foot-bar.

K is a flat vertical plate, carrying the vertical guide-strip L, (see Fig. 5,) which is fitted against the side of the foot-plate E and provided with a slot, M, by which it is moved upon a stud, N, upon the front side of the shank G of the foot-plate.

The guide-strip L is provided with laterally-projecting vertically-perforated brackets O O, by which it is adjusted upon pins P P, projecting upward from the foot-plate.

The plate K is provided at its upper end with a forwardly-projecting lug or bracket, Q, connected by a spring, R, with the rear pin, P, so as to force the said plate and the guide-strip automatically in a downward direction.

S is an upright, secured upon the foot-plate in front of the vertical plate K, and having a vertical slot, T, in which slides a pin, U, projecting forward from the said plate K. (See Fig. 6.) V is a cam-lever, pivoted upon the pin U and bearing against a shoulder or offset, W, upon the upright S, so that by operating said cam-lever the vertical plate and the guide-strip may be raised and retained in an elevated position.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation and advantages of my invention will be readily understood.

By means of the thumb-piece J and cam-lever V the guide-strip L may be laterally and vertically adjusted, thus adapting it to different kinds of work or throwing it out of gear, as the case may require.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination, with the presser-foot A, of the laterally-adjustable foot-plate E, having pins P P and upright S, plate K, provided with bracket Q, and guide-strip L, the latter having brackets O O, spring R, pin U, and the cam-lever V, all combined and operating as herein described, for the purpose set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

EBEN PITMAN.

Witnesses:

P. J. O'LEARY,

S. H. SEWARD.