D. S. SEYMOUR.

PRESSER FOOT.

APPLICATION FILED OCT. 16, 1911.

1,198,780.

Patented Sept. 19, 1916.

Fig. 1.

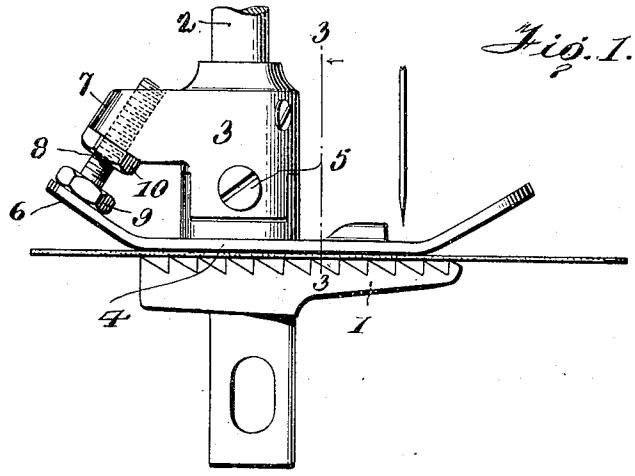


Fig. 2.

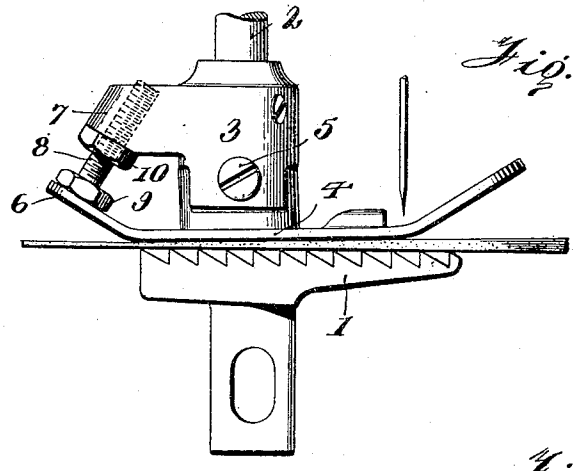


Fig. 3.

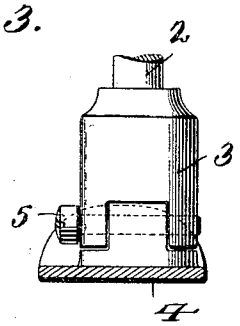
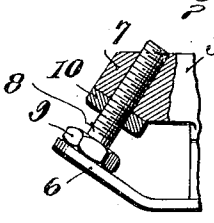


Fig. 4.



Witnesses

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THE HOOKER-PETERS CO. PHOTO LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

DUDLEY S. SEYMOUR, OF OAK PARK, ILLINOIS, ASSIGNOR TO UNION SPECIAL MACHINE COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS.

PRESSER-FOOT.

1,198,780. Specification of Letters Patent. **Patented Sept. 19, 1916.**

Application filed October 16, 1911. Serial No. 654,840.

To all whom it may concern:

Be it known that I, DUDLEY S. SEYMOUR, a citizen of the United States, residing at Oak Park, in the county of Cook, State of Illinois, have invented certain new and useful Improvements in Presser-Feet, of which the following is a description, reference being had to the accompanying drawing, and to the letters and figures of reference marked thereon.

My invention relates to an improvement in presser feet, and particularly to presser feet for use on sewing machines designed for the making of bags or sacks.

The object of the invention is to provide a special construction of presser foot which is adjustable so that the front portion may be tilted to prevent contact with the front end of the feed dog, which is desirable on certain kinds of material.

Another object of the invention is to provide a presser foot in which the adjustment can be effected while the machine is operated.

A large quantity of sacks are made from a cheap grade of cotton cloth, which is treated at a bleachery and filled with a clay product to make the fabric appear more closely woven, and at the same time to close the space between the threads composing the fabric to prevent flour or other fine granular material from sifting through the meshes. In the case of burlap or like material, no special adjustment of feed dog and presser foot is necessary, though preferably they should be parallel, but in connection with this clay-filled material they should be out of contact at the front and all the feeding done at the rear, so that puckering will be prevented, and the scraping of the filling material from the surface.

The invention, therefore, consists in the matters hereinafter described and referred to in the appended claims.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a side elevation illustrating my invention, the presser foot being adjusted so that it is parallel with the feed dog; Fig. 2 is a similar view, showing the front portion of the foot tilted; Fig. 3 is a view partly in section on line 3—3, Fig. 1, looking in the direction of the arrow; and Fig. 4 is a section showing the adjusting device.

In these drawings, 1 represents a sewing machine feed dog of a well known construction.

2 is the presser bar, 3 the presser foot shank secured to the bar and 4 the foot portion pivoted to the shank by the screw 5. The foot portion 4 is upturned at its forward end in the usual manner, and at its rear end has an upturned portion 6, the upper face of which is parallel with the under beveled face of the lug 7, projecting rearwardly from the shank 3. This lug has an inclined screw-threaded opening through it, in which is threaded a screw 8 having a head 9 and a jam nut 10 bearing against the under face of the lug 7.

In order to tilt upwardly the front of the presser foot, the jam nut 10 is loosened, the screw 8 turned to the left, and the head 9 forces down the rear portion of the pivoted foot; the jam nut is then tightened and the parts are held securely in position.

It will thus be seen that I have provided a means for positively swinging the foot portion about its pivot, and holding it in its adjusted positions.

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

1. A presser foot including in combination, a shank, a foot portion connected to the shank intermediate its ends, and means for adjusting said foot portion on said shank and holding the same in adjusted positions, whereby the fabric engaging surface of the presser foot may be inclined from front to rear relative to the work support.

2. A presser foot including in combination, a shank, a foot portion pivoted to said shank, and means engaging the shank and the foot portion for swinging said presser foot about its pivot and for holding the same in adjusted positions, whereby the fabric engaging surface of the presser foot may be inclined from front to rear relative to the work support.

3. A presser foot including in combination, a shank, a foot portion pivoted to said shank, said shank having a rearwardly extending lug, a headed screw passing into said lug, and bearing at its other end on the foot portion, whereby turning of the screw in one direction swings the foot portion on its pivot and holds it in its adjusted position.

4. A presser foot including in combina-

tion, a shank, a foot portion pivoted to said shank, said shank having a rearwardly extending lug with a beveled under face, the foot portion having an upwardly extending rear portion parallel with the beveled under face of the lug, a screw passing into said lug, and having the head thereof bearing upon the upwardly extending rear portion of the foot.

5. A presser foot, including in combination a shank, a foot portion pivoted to said shank, intermediate its ends, means connected to the rear end of the presser foot for positively raising the front end of said foot portion so as to incline the fabric engaging surface of the presser foot from front to rear relative to the work support.

In testimony whereof I affix my signature, in presence of two witnesses.

DUDLEY S. SEYMOUR.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."