No. 822,340. PATENTED JUNE 5, 1906.

A. BIVINS.

PRESSER FOOT FOR SEWING MACHINES.

APPLICATION FILED JUNE 6, 1904.

Fig. 1.

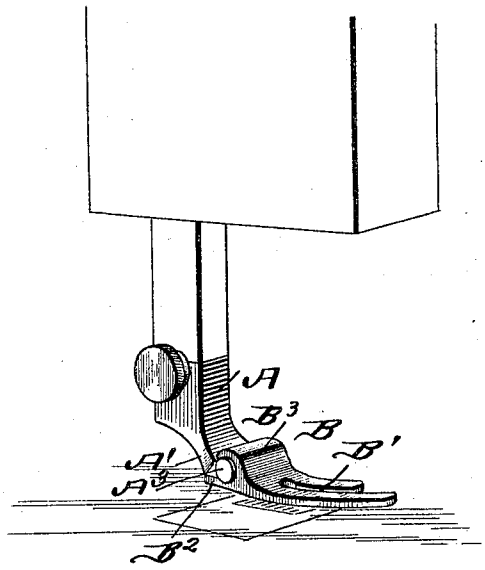


Fig. 2.

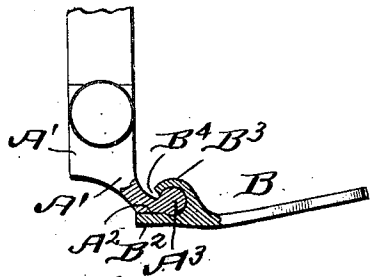


Fig. 3.

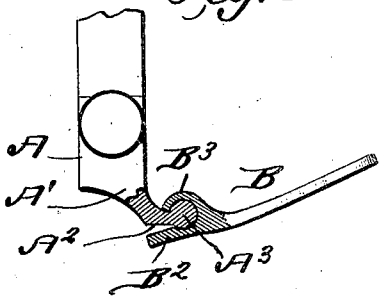


Fig. 4.

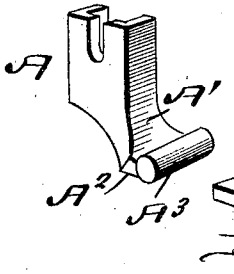


Fig. 5.

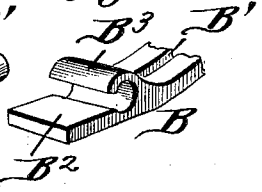
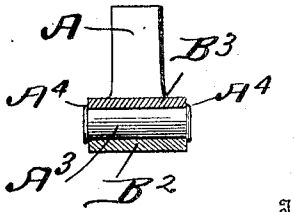


Fig. 6.



Witnesses

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PRESSER-FOOT FOR SEWING-MACHINES.

No. 822,340. Specification of Letters Patent. Patented June 5, 1906.

Application filed June 6, 1904. Serial No. 211,343.

To all whom it may concern:

Be it known that I, ABRAHAM BIVINS, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented a new and useful Presser-Foot for Sewing-Machines, of which the following is a specification.

This invention is an improved construction of presser-foot for sewing-machines, the object being to overcome the objections incidental to the presser-foot now in common use; and with this object in view the invention consists, essentially, in pivotally connecting the foot proper to the ankle portion, which in turn is adjustably connected to the reciprocating member of the sewing-machine, to which the presser-foot is connected, as usual.

The invention consists also in certain details of construction hereinafter fully described, and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective view of a presser-foot constructed in accordance with my invention. Fig. 2 is a detail view, partly in elevation, showing the foot in its normal position. Fig. 3 is a similar view showing the foot in its tilted position. Fig. 4 is a detail perspective view of the ankle portion. Fig. 5 is a detail perspective view of a portion of the foot proper, and Fig. 6 is a transverse section.

In carrying out my invention I employ an ankle portion A, which is provided with a forwardly and downwardly projecting member A′, which is flat upon the lower side, as shown at A^2, and which carries the transverse pivot A^3 at the extreme forward end.

B indicates the foot proper, which is bifurcated, as usual, as shown at B′, and has the solid heel portion B^2, which is adapted to contact with the flat face A^2 of the ankle portion. Intermediate the heel and toe portions is the transverse barrel portion B^3, which receives the transverse pivot A^3, and thereby provides the pivotal connection between the foot and ankle portions. The barrel portion nearly surrounds the pivot, a small space B^4 being left to permit the tilting movement of the foot, as most clearly shown in Fig. 3. The ends of the transverse pivot are swelled or enlarged after the parts have been connected, as shown at A^4 in Fig. 6.

A presser-foot constructed as herein shown and described will operate easier than the rigid form of foot, and whenever a bulky cross-seam or any other irregularity is encountered the foot will tilt and permit the passage of the same without interfering with the other operation of the machine.

It will be further noted that the presser-foot B is slightly concave immediately under the hinge, whereby the foot can readily pass over a seam or other irregular surface.

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

1. A device of the kind described comprising an ankle terminating in a transverse pintle, and having a flat tread to the rear of said pintle, and a foot portion having a solid heel and bifurcated toe and a transverse barrel intermediate the heel and toe, and adapted to embrace the transverse pintle, the ends of said pintle being enlarged beyond the ends of the barrel.

2. A device of the kind described, comprising an ankle terminating in a transverse pintle and having a flat tread to the rear of said pintle, and a foot portion having a solid heel and bifurcated toe, a transverse barrel formed in the foot intermediate the heel and toe adapted to be turned down and nearly surround the transverse pintle, the ends of the pintle being enlarged beyond the end of the barrel.

ABRAHAM BIVINS.

Witnesses:
SAM WALKER,
JOHN F. FORTUNE.