

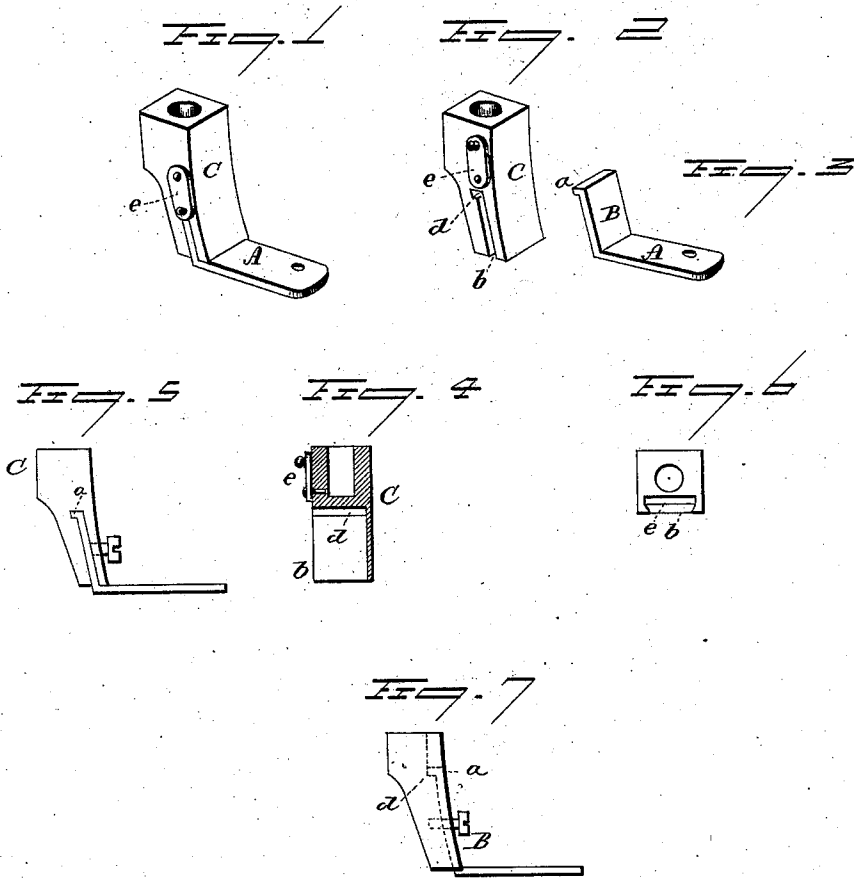
(No Model.)

S. HALLIWELL.

PRESSER FOOT FOR SEWING MACHINES.

No. 293,867.

Patented Feb. 19, 1884.



Witnesses
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UNITED STATES PATENT OFFICE.

SAMUEL HALLIWELL, OF NEW HAVEN, CONNECTICUT, ASSIGNOR OF ONE-HALF TO J. S. SACKETT & CO., OF SAME PLACE.

PRESSER-FOOT FOR SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 293,867, dated February 19, 1884.

Application filed September 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL HALLIWELL, of New Haven, in the county of New Haven and State of Connecticut, have invented a new
5 Improvement in Presser-Feet for Sewing-Machines; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of the presser-foot socket with the foot attached; Fig. 2, the
15 socket with the foot detached; Fig. 3, the foot detached; Fig. 4, a vertical section of the socket through the transverse slot; Figs. 5, 6; and 7, modifications.

This invention relates to an improvement in that class of presser-feet for sewing-machines in which the foot is constructed to be detached from the socket, so that a plain foot may be used for common sewing, or attachments made a part of the foot introduced, the object of the
20 invention being an easy and ready adjustment of the foot to the socket, and whereby the proper position may be insured; and it consists in the construction of the presser-foot and its socket, as more fully hereinafter described, and particularly recited in the claim.

In the best construction of my invention the presser-foot A is constructed with a shank, B, at its rear end, extending upward, and at or
35 near its upper end a flange, a, is turned rearward at substantially right angles to the shank B, as seen in Fig. 3. The socket C is constructed with a transverse slot, b, corresponding to the shank, and with a shoulder, d, formed therein corresponding to the flange a
40 on the shank. The slot B opens at the lower end of the socket, and so that the shank of the presser-foot may be passed into the slot b from one side, the flange a passing onto the shoulder d, and when thus introduced a turn-button, e, is arranged to be turned down over the
45 edge of the shank, as seen in Fig. 1, to lock it in position, it being understood that the slot b extends only so far through the socket as to equal the width of the shank, and so that the

closed side of the slot forms a shoulder or
50 bearing for the edge of the shank to locate it in its proper position transversely, as seen in Fig. 4. The socket is fitted for attachment to the presser-foot spindle in the usual manner.

Instead of the turn-button a set-screw may
55 be introduced from the front or rear, as seen in Fig. 5.

Instead of making a transverse slot and shoulder in the socket, as described, the socket may be constructed with a vertical recess in
60 its face—say of dovetail shape—as seen in Fig. 6, and so as to leave a shoulder, d, at the right position for the flange a on the shank. In this case the shank is constructed to correspond to the dovetail slot b, so as to be introduced
65 from the upper end of the socket and drawn down until the flange a shall bear upon the shoulder d, as seen in Fig. 7. Then a set-screw through the shank may be introduced to clamp the presser-foot in position, as seen
70 in Fig. 7. In either case the transverse shoulder d and the flange a serve to locate the presser-foot in its proper horizontal plane, and the sides of the recess serve to locate the
75 presser-foot transversely, and so that different attachments applied to their respective presser-feet may each be introduced into the socket and brought to their proper horizontal plane without any special attention or care on the
80 part of the operator.

I claim—

The herein-described presser-foot attachment for sewing-machines, consisting of the presser-foot A, constructed with the shank B, extending upward therefrom, the said shank
85 constructed with a horizontal flange, a, combined with the socket C, constructed with a recess corresponding to the shank, said recess provided with a vertical bearing or shoulder, and with a transverse shoulder, d, corresponding
90 to the flange a on the shank, and a device, substantially such as described, to secure the shank in said recess, all substantially as specified.

SAMUEL HALLIWELL.

Witnesses:

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