

(No Model.)

E. WISEMAN.

PRESSER FOOT FOR STRAW BRAID SEWING MACHINES.

No. 285,333.

Patented Sept. 18, 1883.

Fig. 1.

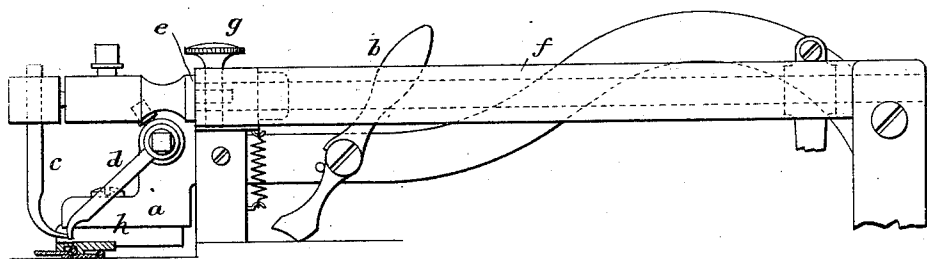


Fig. 2.

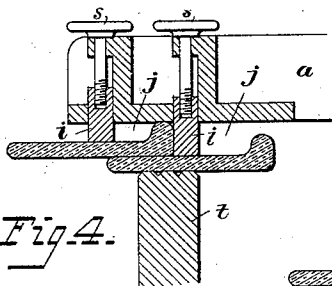


Fig. 4.

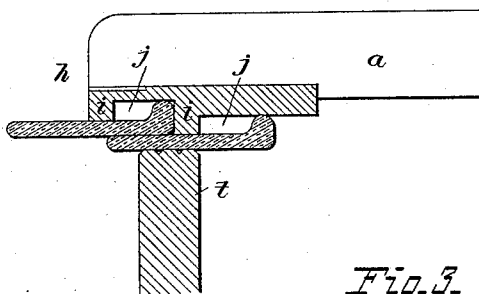
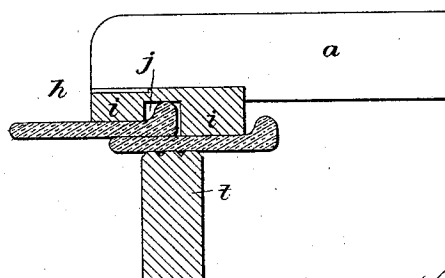


Fig. 3.



Attest:

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# UNITED STATES PATENT OFFICE.

EDMUND WISEMAN, OF LUTON, COUNTY OF BEDFORD, ENGLAND.

## PRESSER-FOOT FOR STRAW-BRAID SEWING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 285,333, dated September 18, 1883.

Application filed April 19, 1883. (No model.) Patented in France April 15, 1882.

*To all whom it may concern:*

Be it known that I, EDMUND WISEMAN, of Luton, Bedford county, England, have invented certain Improvements in Presser-Foot for Straw-Braid Sewing-Machines, of which the following is a specification.

My invention relates to improvements upon the straw-braid sewing-machines for which I obtained Letters Patent of the United States of America, bearing date June 8, 1880, No. 228,711, and May 2, 1882, No. 257,425; and it consists in a presser-foot having faces on different planes, with a recess in one or more of said faces for protecting the beaded or fancy edge of the overlapping braids from being crushed between the feeder and presser-foot.

The improvements are applicable to my aforesaid machines or to other straw-braid machines.

Figure 1 of the drawings is a side elevation of part of a machine substantially as described in my Patent No. 257,425, having the improved presser-foot applied thereto. Fig. 2 is a cross-section through the presser-foot, showing the recesses; and Figs. 3 and 4 represent modifications of the presser-foot.

In the accompanying drawings, the letter *a* indicates the presser-foot holder, *b* the lift-handle, *c* and *d* the loopers, *e* the rocking spindle mounted on the lever *f*, *g* an adjusting-screw, and *h* a presser-foot having steps arranged on different planes, all the parts being arranged as described in my aforementioned Patent No. 257,425, to which reference is made for a fuller description of such parts.

When sewing very coarse braids plaited with a fancy edge, or with what is called a "large head" upon one edge—that is to say, having one edge of the braid considerably thicker than the body of the same, caused by the straw having been twisted into a braided or fancy edge when plaited or otherwise ornamented at the edge—it becomes necessary to prevent the presser-foot from pressing upon the said heads or beaded or fancy edges of the braids, as the pressure of the presser-foot upon the braids, when advanced through the machine by the feeder, would crush the heads or beaded or

fancy edges of the braids, and thus spoil the appearance of the hat or bonnet when sewed. The presser-foot as ordinarily made is, as is well known, provided with a groove for the passage of the upper braid, the edge of the groove forming also a guide for the upper braid. This groove, it is obvious, may be made of sufficient depth to receive the whole thickness of the upper braid; or it may admit only a part, and thus prevent its beaded or fancy edge from being crushed during the operation of sewing. This does not, however, prevent the head of the under or entering braid from crushing by the action of the feeder. I therefore provide the presser-foot at its under side with one or more ridges or tongues, *i*, and with grooves *j*, making the grooves of such depth that the presser-foot shall not press heavily upon the heads or beaded or fancy edges of the braids. The ridge or tongue *i* bears upon the body or thin part of the braid, thus protecting the beaded or fancy edge of such braid from pressure, and as the pressure of the feed device *t* is resisted by the opposite tongue *i*, the feeder is prevented from compressing the heads of either of the braids. Two or more braids can thus be carried through the machine without the edges being subject to compression.

The tongues *i* may be adjustable by means of adjusting-screws *s* or other suitable devices to adapt the foot to operate on braids of different thicknesses; but for ordinary use I prefer making a series of presser-feet having projections of various depths.

In Fig. 3 the presser-foot is represented with faces in different planes, but having only one recess, the tongue *i* being extended so as to form one face, and the space outside of the tongue being practically a recess.

Without limiting myself to the device shown, and reserving for future applications for Letters Patent such novel features as are not herein claimed,

I claim—

1. A presser-foot of a straw-braid sewing-machine, provided with two or more steps or faces at the under part thereof, arranged successively on different planes, each step or face

being separated from the others by a recess adapted to receive the beaded edge of the overlapping braids, substantially as described.

2. A presser-foot of a sewing-machine, provided with tongues and adjusting devices, whereby to secure bearing-faces on different planes, the faces being separated by recesses adapted to receive the beaded edges of the overlapping braids, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

EDMUND WISEMAN.

Witnesses:

CHAS. H. WILLCOX,  
GILMAN E. JOPP.