

(No Model.)

J. H. GRIFFIN.

PRESSER FOOT AND GUIDE FOR USE WITH SEWING MACHINE TRIMMERS.

No. 292,747.

Patented Jan. 29, 1884.

Fig. 3.

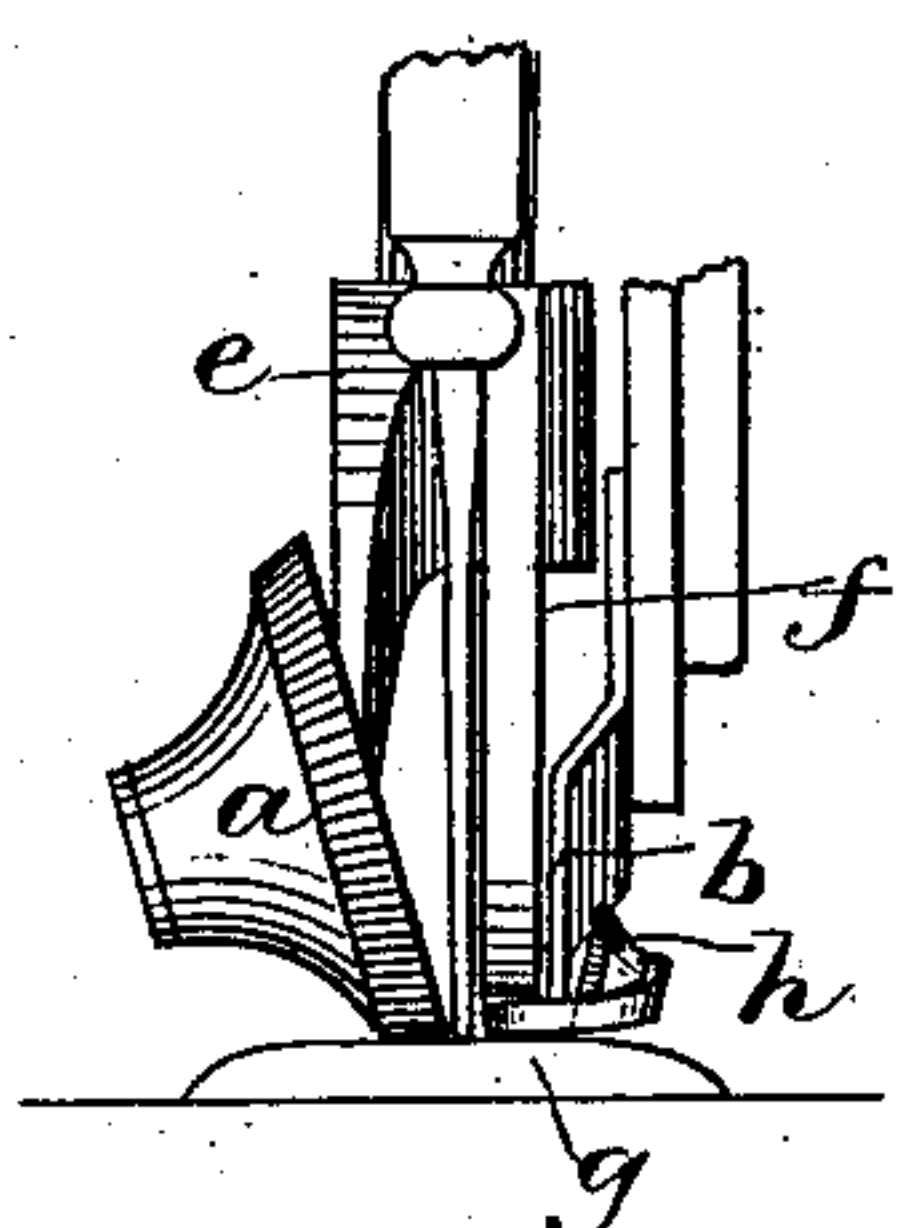


Fig. 1.

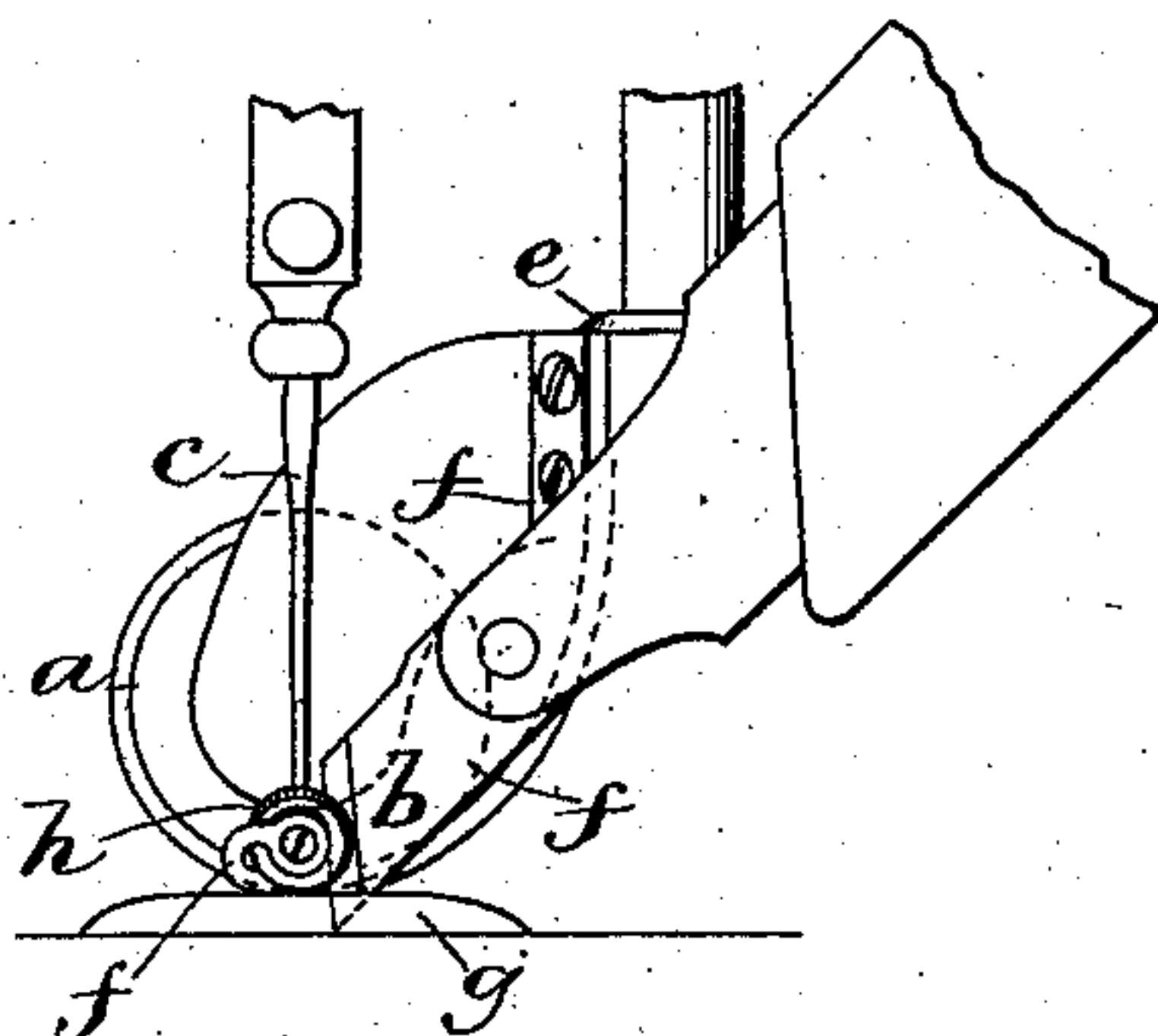
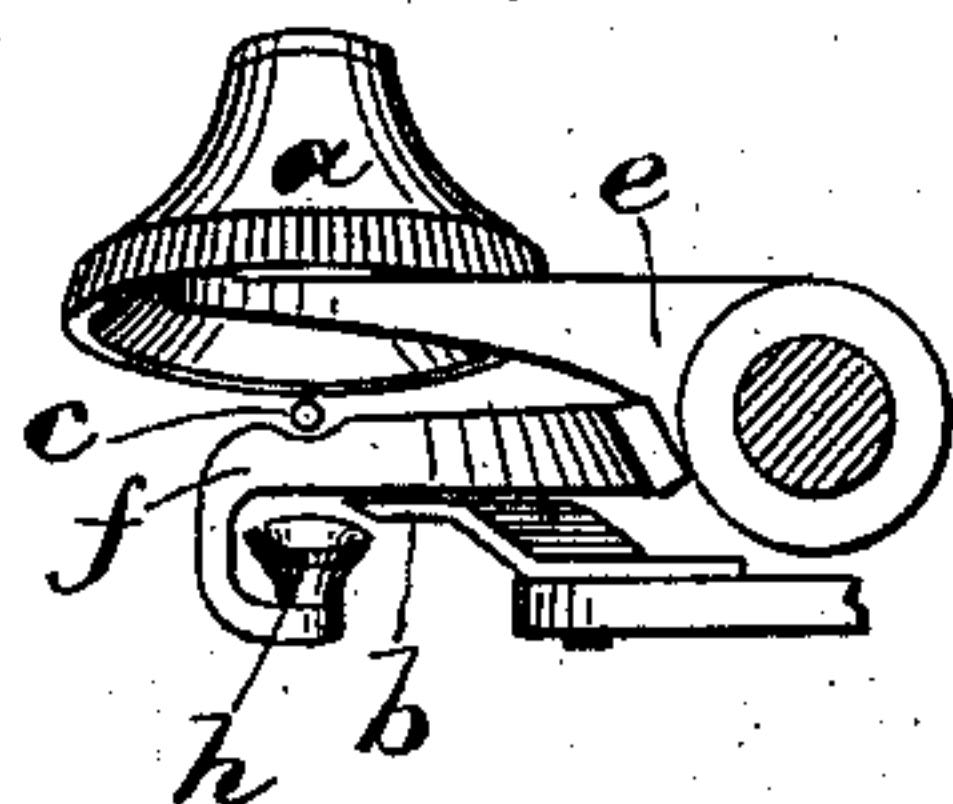


Fig. 2.



Witnesses.

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PRESSER FOOT AND GUIDE FOR USE WITH SEWING-MACHINE TRIMMERS.

SPECIFICATION forming part of Letters Patent No. 292,747, dated January 29, 1884.

Application filed May 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. GRIFFIN, of Brockton, in the county of Plymouth and State of Massachusetts, have invented certain Improvements in Presser Foot and Guide for Use with Sewing-Machine Trimmers, of which the following is a specification.

This invention relates to sewing-machines provided with trimming attachments which trim the work while it is being stitched, and has for its object to provide an auxiliary presser attachment for use in connection with the usual presser-foot to hold down the material between the needle and the trimming-knife, and also to hold down the waste edge trimmed by the knife, thus preventing the trimmed edge and the waste scrap from curling upwardly and interfering with the operation of the knife, as I will now proceed to describe and claim.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a side elevation of my improved device or attachment applied to the bar or arm of an ordinary roll-presser. Fig. 2 represents a top view of the same. Fig. 3 represents a front elevation.

The same letters of reference indicate the same parts in all the figures.

In the drawings, *a* represents the usual presser-foot of a sewing-machine, which may be a roll or a flat presser. *c* represents the needle.

b represents the trimming-knife, operated by a connection with the operating mechanism of the machine. Said knife may be of any of the well-known forms adapted to trim in a line parallel with the line of stitches formed by the stitch-forming mechanism of the machine. In the present instance, for the sake of illustration, I have shown a diagonally-movable knife like that in Letters Patent No. 272,805, issued to A. E. Wallace and myself February 20, 1883; but I do not limit myself to this nor any particular form of knife.

In carrying out my invention, I secure to the shank *e* of the presser-foot an arm, *f*, which extends downwardly to a point immediately over the throat-plate *g* and bears on the work between the needle and the trimming-knife,

constituting an auxiliary presser-foot, which holds down the trimmed edge or margin of the work outside of the line of stitches. The forward end of the arm *f* is curved outwardly from the needle, and then inwardly, to form a bearing for a small roll-presser, *h*, which is arranged to bear upon the scrap or waste edge removed from the work by the trimming-knife and prevent said scrap from bending or curling, so as to obstruct or interfere in any way with the operation of the trimming-knife.

It will be seen that the arm *f* and roll-presser *h* constitute, practically, continuations of the ordinary presser-foot bearing on the work at both sides of the line along which the trimming-knife cuts. This improvement is particularly useful when the machine is employed on soft or flabby goods, such as cloth and certain kinds of leather.

It is obvious that the smaller roll-presser *h* may be connected to some other part of the arm *f* than the outer end thereof, or may be connected to the presser-bar by an independent arm.

I do not limit myself to the employment of the arm *f* as an auxiliary presser, for said arm may be formed to support the roll-presser *h* without bearing on the work.

It will be seen that the attachment of the auxiliary devices described to the usual presser-bar enables them to be raised and depressed with the ordinary presser.

I do not limit myself to making the presser *h* a roll-presser, since it may be a flat or non-rotating presser without departing from the spirit of my invention.

I claim—

1. The combination, with the presser, as *a*, of a separate detachable presser secured thereto, substantially as described, said presser having a bearing, as *f*, between the knife and needle-aperture, and a roll, *h*, adapted, as described, to bear on the scrap cut from the work, the same being adapted for use in the prescribed relation to the needle and knife, substantially as set forth.

2. As a new article of manufacture, a presser-foot attachment having a shank adapted for attachment to the main presser-foot, sub-

stantially as described, and having a bearing-
surface, *f*, arranged at an angle with said
shank, as shown, and having a roll, *h*, at the
extremity of a curved arm, which is a contin-
5 uation of the plate forming said bearing-sur-
face *f*, there being a space between the surface
f and roll *h*, substantially as described.

In testimony whereof I have signed my

name to this specification, in the presence of
two subscribing witnesses, this 12th day of 10
May, 1883.

JOHN H. GRIFFIN.

Witnesses:

C. F. BROWN,

A. L. WHITE.