Sept. 11, 1934. P. GUGGENHEIM 1,973,379

HOSIERY FILLER APPARATUS

Filed April 1, 1932

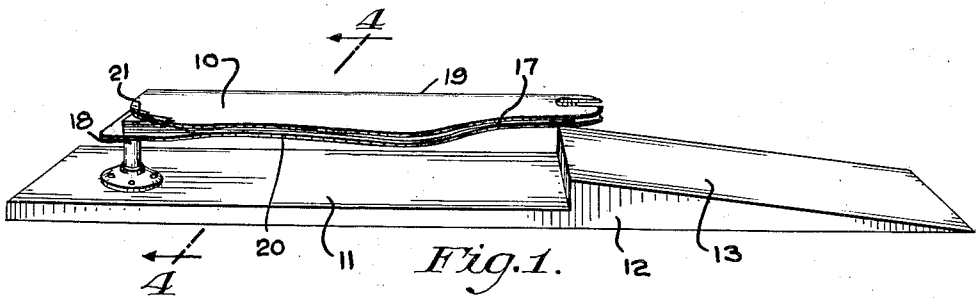


Fig. 1.

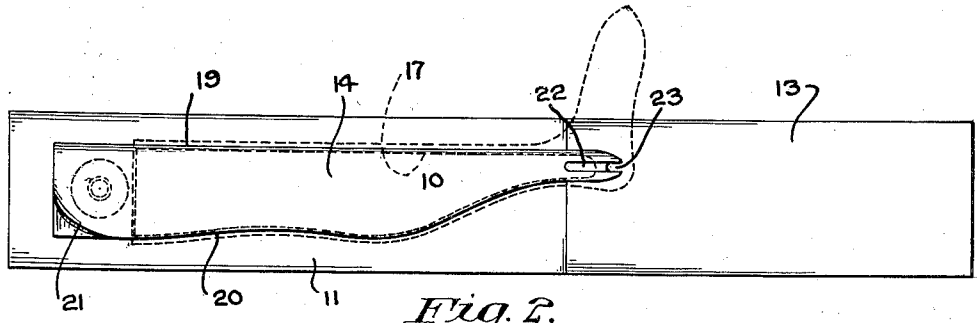


Fig. 2.

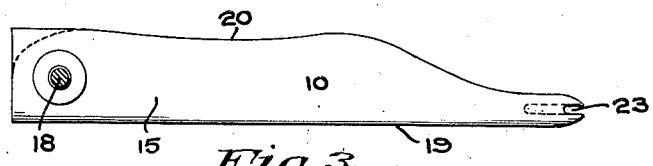


Fig. 3.

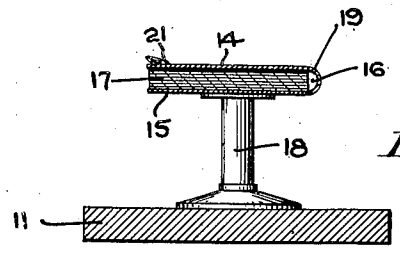


Fig. 4.

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HOSIERY FILLER APPARATUS

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Application April 1, 1932, Serial No. 602,443

2 Claims. (Cl. 223—59)

This invention generally relates to tissue paper inserters and more particularly to an apparatus for facilitating the insertion of a tissue paper filler or the like within the body of a stocking, the idea being that stockings thus provided with tissue paper inserts are less liable to be damaged or rumpled during the handling thereof. In addition, the filler constitutes a substantial and pleasing background insuring a better display of the design of the stocking fabric, this being particularly true where the fabric is of extremely sheer material or where the design is of a lace effect.

It is among the principal objects of the present invention to provide a device or apparatus which facilitates the ready insertion of these tissue paper fillers within the stockings, the apparatus being so designed as to insure, with minimum effort and handling and with no danger of injury to the stockings, the insertion of fillers each extending from the ankle zone of a stocking to the top thereof.

A further object of the invention is the provision of an apparatus having a magazine for holding a quantity of the tissue paper inserts, the apparatus being so designed that when a stocking is slipped over the magazine it may be readily removed therefrom with one of the inserts received within the body of the stocking.

A still further object of the invention is to provide an apparatus of the character and for the purpose above mentioned wherein a pack of inserts may be initially received within the magazine for subsequent removal therefrom one at a time, each stocking to be filled being slipped over the magazine containing the pack of inserts.

Still another and important object of the invention is to provide a tissue paper magazine of such design that it inherently includes means for insuring the proper positioning of the stocking to be filled. More specifically, the magazine is open along one longitudinal edge thereof, this opening serving not only to facilitate the insertion of the filler pack within the magazine but also as a definite guide for the leg seam of the stocking, thus insuring against the possibility of the insert overlapping the said seam.

Still other objects of the invention, such as those relating to simplicity of design and operation, the lack of any moving parts, and the general efficiency of the apparatus, will appear more fully hereinafter.

The invention consists substantially in the combination, construction, arrangement and relative location of parts, all as will be described more fully hereinafter, as shown in the accompanying drawing, and as finally pointed out in the appended claims. In the said accompanying drawing, which illustrates a preferred embodiment of the present invention:—

Figure 1 is a perspective view of the apparatus constructed in accordance with and embodying the principles of the invention;

Figure 2 is a top plan view of the filler magazine showing, in dotted lines, a stocking slipped thereover preparatory to removing the same with one of the inserts received within the body thereof;

Figure 3 is a bottom plan view of the magazine; and

Figure 4 is a cross-sectional view taken along the line 4—4 of Figure 1.

Referring now more particularly to the drawing, it will be observed that the filler magazine, designated generally by the reference numeral 10, is mounted upon a suitable base 11 preferably of the form shown wherein the section 12 is provided with an inclined surface 13 forming a bed for receiving the stockings as they are removed from the magazine. It will be understood, however, that the base 11 forms no part of the invention itself and may be entirely dispensed with, as where the magazine is mounted upon a table or the like.

The magazine 10 is formed of a single sheet of material the surface of which is suitably treated to insure against any rough edges or spots which may damage the stocking fabric during the operation of inserting the filler therewithin. As clearly appears in the drawing, the material of which the magazine is formed is doubled upon itself to provide an upper panel 14 and a lower panel 15. The panels 14 and 15 are relatively so arranged as to provide a space or pocket 16 therebetween within which is received a pack 17 of tissue paper inserts, each of these inserts being of a shape substantially that of the leg of the stocking when in flat or pressed condition.

The magazine 10 is supported in horizontal position above the base 11 or table, if the latter be used, by a pedestal 18 or the like depending from the bottom panel 15, this pedestal being arranged immediately adjacent the enlarged end of the magazine.

The rear or closed edge 19 of the magazine 10 is substantially straight from end to end thereof, while the front or open edge 20 is of a shape corresponding to the seamed edge of the stocking when the latter is in flat or pressed condition.

The upper panel is rounded and curved upwardly at the enlarged free edge thereof, as at 21, to facilitate the initial insertion of the pack of inserts within the pocket 16 of the magazine.

For a purpose which will be immediately apparent, the reduced ends of the panels 14 and 15 are respectively slotted, as at 22 and 23, these slots being in registering relation. The lower slot 23 is, however, of less depth than the upper slot 22. The shaped, longitudinally extending, free edges of the panels 14 and 15 serve as an effective means for properly guiding the stocking when the same is slipped over the magazine 10, it being observed that by maintaining the leg seam of the stocking between said free edges of the panels 14 and 15 each filler will be properly positioned within the stocking leg. The reduced, that is, slotted end of the magazine 10 extends to a point well within the ankle zone of the stocking when the latter is slipped over the magazine.

It is preferable that the magazine 10 be so formed that the panels 14 and 15 thereof exert a slight pressure upon the pack of inserts contained therebetween, thereby maintaining the pack as a whole against displacement and yet permitting the ready removal of the uppermost insert as desired. The pack of inserts are received within the magazine with the reduced ends thereof terminating short of the slot 23 in the bottom panel 15, this slot being thus fully exposed.

In operation, the operator, before slipping a stocking over the magazine, draws the uppermost tissue paper insert longitudinally of the magazine and into such position that the reduced end thereof lies between the slots 22 and 23. The stocking to be filled with the insert is then slipped over the magazine 10, the seam of the stocking leg being positioned so that it lies between the free edges of the panels 14 and 15, the stocking being drawn over the magazine so as to position the reduced end thereof well within the ankle zone of the stocking. The operator then grasps the stocking at the points immediately embracing the slots 22 and 23 and withdraws it from the magazine, at the same time removing therewith that one of the inserts which had been initially moved into position between the slots. This operation is continued, until all of the fillers within the magazine have been inserted within the stockings after which the magazine is replenished with a new pack of inserts.

It will be understood, of course, that the invention is not intended to be limited to the precise embodiment herein shown inasmuch as various changes and modifications may be made without departing from the general principles or real spirit of the invention. Accordingly, the invention is claimed broadly, as well as specifically, as indicated by the appended claims.

What is claimed as new and useful is:—

1. In an apparatus of the character described, in combination, a substantially flat member folded to provide a pair of spaced panels for receiving therebetween a pack of tissue paper blanks, the folded edge of said member being substantially straight from end to end thereof, and the opposite free edges of said panels being shaped to conform approximately to the seamed edge of a pressed stocking, said panels being respectively provided with slots in the reduced extremities thereof, the slot in the upper panel being of a depth sufficient to overlie the pack of inserts received between the panels while the slot in the bottom panel is of a depth extending to a point short of the said pack of inserts.

2. In an apparatus of the character described, in combination, a substantially flat member folded upon itself to provide a pair of spaced panels for receiving therebetween a tissue paper insert shaped to conform approximately to the pressed shape of a stocking leg, said panels being respectively notched at the ankle ends thereof to provide registering slots of unequal length through which the corresponding end of the paper insert may be grasped in order to longitudinally withdraw the same from between said panels, said slots being of such relative lengths that the said end of the paper insert, when the latter is properly positioned between said panels, is located intermediate the inner extremities of said slots.

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