

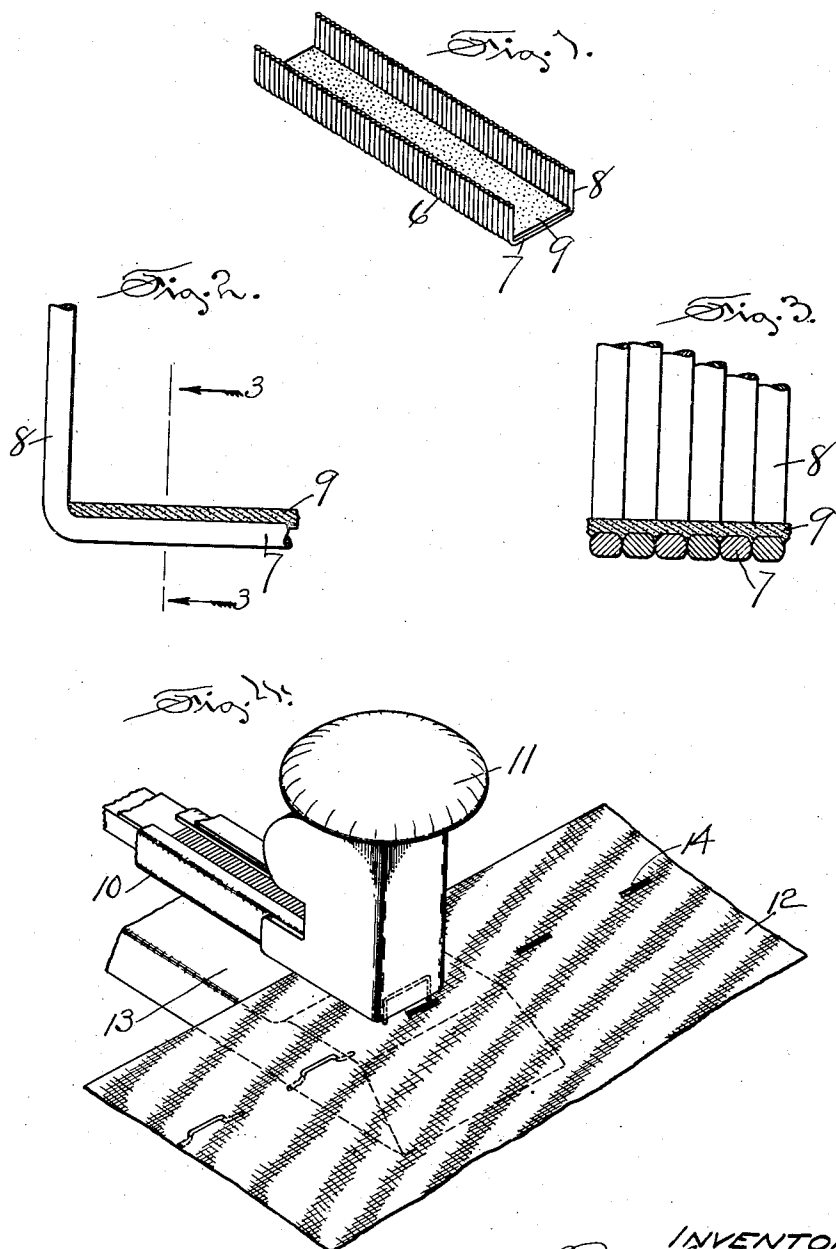
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MARKING DEVICE AND PROCESS FOR USING THE SAME

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MARKING DEVICE AND PROCESS FOR
USING THE SAME

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5 Claims. (Cl. 101-368)

My invention relates more particularly to means for marking material as a guide to further operations upon such material, as for instance, the marking of fabrics as a guide for stitching, cutting, etc., and more especially the marking of dresses to determine the proper lengths of skirts and for similar operations, and an object of my invention, among others, is the production of a device and a process for using the same that shall be most efficient in the results obtained thereby.

My improved marking device and a method of applying it to a fabric in the use of which the objects herein set out, as well as others, may be attained is illustrated in the accompanying drawing, in which—

Figure 1 is an isometric perspective view of an assemblage of staples embodying my invention, the coating being exaggerated by a heavy line.

Figure 2 is a view of part of a staple on greatly enlarged scale.

Figure 3 is a view in section on a plane denoted by the dotted line 3-3 of Figure 2 and showing a number of staples.

Figure 4 is a perspective view of a portion of a stapling machine illustrating the manner of applying the staples.

In the operation of obtaining the desired lengths for skirts in the art of dress making it is customary practice to denote in some way on the fabric the place where the bottom edge of the garment will be located, and it is my aim in making this invention to provide ready means for effecting this purpose with no intention, however, of limiting the invention to use for such purpose, as it may otherwise be used in instances where it is desired to establish a line on fabric or other material to be used as a guide for subsequent operations.

In my co-pending application for patent S. No. 117,606, filed Dec. 24, 1936 I have illustrated and described a machine for marking a guide line around the bottom of a skirt suspended upon the wearer and in which machine a stapling device is employed for producing such line and which stapling device comprises, in some cases, the use of staples coated with a marking material, as chalk, which, when the staples are removed leaves a broken line or chalk mark around the skirt at the points which are to become the bottom edge of said skirt. The stapling device used in this machine is of well-known construction and embodies means for supplying the staples to the point where they are to be forced by a plunger to penetrate the goods or material.

It is my purpose to coat the cross bars of these

staples with a marking material, as chalk, or other suitable substance, so that when a staple has been applied to the fabric and then removed a mark the length of the cross bar of each staple will have been made on the fabric, and these staples having been applied in a row along and around the fabric and then removed, a line consisting of short marks will be left to form a guide in the further operation of establishing the bottom edge of the skirt.

In a well-known manner of arranging these staples for use in the machines, such staples are secured together side by side as shown in Figure 1, an adhesive being used to cause temporary adherence of the staples one to another until such time as the staples are removed one by one by operation of the plunger of the stapling device on the staples at the advance or front end of the row of staples. In a most satisfactory manner of accomplishing my purpose I apply the marking material to the bottom of the trough 6 created by the arrangement of the staples side by side, as just described, so that the inner surfaces of the cross bar 7 of each staple 8 when separated by the plunger from the group or row comprising the trough will be supplied with the marking material, and while it is my purpose to apply such material in the manner just set forth, any means whereby each staple will have the marking material thereon when applied to the fabric as described will be within the spirit and intent of my invention.

In a preferred manner of applying the marking ingredient to the staples such ingredient is moistened so that it will comprise a paste which may be applied by a brush to the bottom of the trough, and when dried will be in such state that it will adhere to the material to which the staple is applied and in a manner to leave a mark of such ingredient when the staple is removed, but it will be understood that my invention is not limited to this means for applying the ingredient to the material.

As illustrated in the drawing herein the trough shaped assemblage to which a coating 9 has been applied, as hereinbefore set out, is contained in a magazine 10 and each of the staples is forced by the plunger 11 into the fabric 12, as the bottom portion of a skirt. These staples will be applied in succession in a row as the fabric is moved past an anvil 13, and when the row is completed the staples are removed and a row comprising a succession of small lines or dashes will have been formed upon the fabric to indicate a subsequent operation in finishing the bottom of

the skirt, such now being denoted by the numeral 14 in Figure 4.

In accordance with the provisions of the patent statutes I have described the principles of operation of my invention together with the device which I now consider to represent the best embodiment thereof; but I desire to have it understood that the device shown is only illustrative and that the invention may be carried out by other means and applied to uses other than those above set out.

I claim:

1. A marking device comprising a staple having a transferable marking substance applied to the under side of the cross bar thereof for contact with material when the staple is inserted therein.

2. An assemblage of staples side by side in the form of a trough and having a transferable marking substance applied to the inside of the bottom of the trough for contact with material when the staples are inserted therein.

3. The process for marking material that consists in inserting in such material a staple having its cross bar treated with a transferable ingredient, contacting the cross bar with the material and then removing such staple to leave a mark upon the material.

4. The process for marking material that consists in inserting in such material a succession in a row of staples having their cross bars treated with a transferable ingredient, contacting the cross bar with the material and then removing such staples and thereby leaving a row of short marks or dashes extending along said material.

5. An assemblage of staples in which said staples are temporarily separably attached one to another side by side in the form of a trough and having a transferable marking substance applied to the inside of the bottom of the trough for contact with material as each staple is separated from the assembly and inserted into such material.

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