W. B. PLANNETT.

METHOD OF REPRODUCING OUTLINES OF A FORM.

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1,115,567. Patented Nov. 3, 1914.

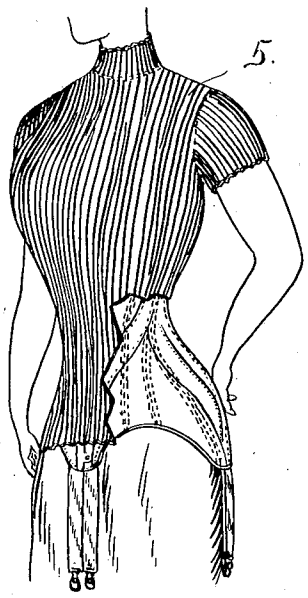


Fig. 1.

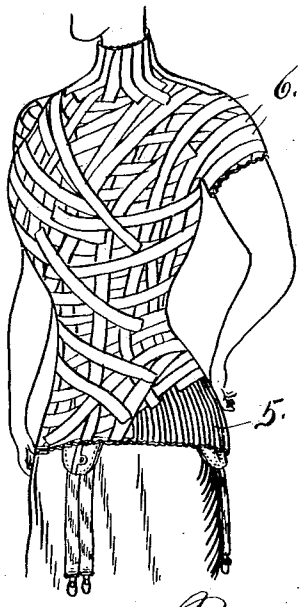


Fig. 2.



Fig. 3.

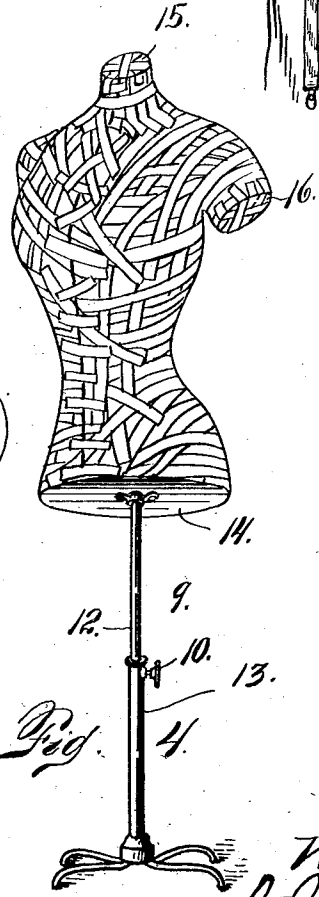


Fig. 4.

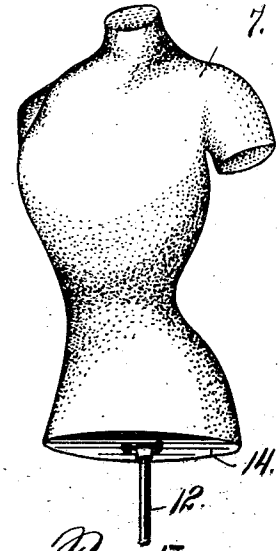


Fig. 5.

Witnesses

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METHOD OF REPRODUCING OUTLINES OF A FORM.

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To all whom it may concern:

Be it known that I, WILLIAM B. PLANNETT, a citizen of the United States, residing in the city and county of Denver and State of Colorado, have invented certain new and useful Improvements in Methods of Reproducing Outlines of a Form; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to improvements in a method of reproducing the outlines of a form. The invention is more particularly applicable to the reproducing of bust forms of ladies, and in this manner providing an exact form upon which they themselves may fit garments in the same manner as garments may be fitted to the natural form.

My improvement consists in first covering the form to be reproduced with a vest, applying pieces of adhesive fabric, preferably paper, to the vest, for the purpose of giving a certain degree of stiffness and rigidity to the form whereby it will maintain its shape during its removal, dividing the form thus constructed in the front and rear, removing it from the body, mounting it upon a frame, applying additional paper strips, some of which are caused to intersect the joints where the article was divided in the front and rear, whereby the parts or sections are connected; applying a thin coating of a size or glutinous substance to the outer surface of the article, and finally sprinkling a powdered substance, preferably ground felt, usually termed flock, upon the outer surface of the form, whereby a certain degree of roughness is given to this surface to facilitate the draping of garments thereon. Without this partially roughened surface, garments have a tendency to slip from the form, which is a disadvantage in the use of articles of this class.

The pieces of adhesive fabric which are applied to the vest preferably consist of relatively narrow strips of paper, which are covered on their inner surface, or that which is applied to the vest with a gum or glue which, while originally dry, is slightly dampened before the pieces are applied; though it must be understood that the invention is not limited to the particular shape of the pieces, or to the particular kind of fabric. The strip form is, however, believed preferable, inasmuch as this particular shape of the pieces is more readily adaptable to the curves of the form to be reproduced.

An important advantage of my improvement over methods heretofore in vogue consists in the fact that as soon as the form is completed, it is practically dry, and it is not necessary that it should be allowed to stand any length of time in order that it may be ready for use.

Having briefly outlined my improvement, I will proceed to describe the same in detail, reference being made to the accompanying drawing, which will serve to illustrate my improved method or process.

In this drawing, Figure 1 is a view showing the form with the vest applied, the latter being partly broken away to disclose the corset underneath. Fig. 2 is a similar view, illustrating the sceond step of the process, showing the strips of paper in place upon the vest, the said strips being partly broken away on one side to disclose the vest beneath. Fig. 3 is a view illustrating the form after it has been divided in the front and rear, for the purpose of removing it from the body. In this view, one-half of the article is partly removed. Fig. 4 is a view illustrating the two sections, or parts, of the article mounted upon a frame, additional strips of fabric having been applied to further increase the stiffness or rigidity of the article, certain of the strips being caused to intersect the joints or the lines of division in the front and rear whereby the two sections are secured together to form an integral device. Fig. 5 is a view also illustrating the article mounted upon the frame, but showing the same completed and ready for use.

In the drawing, the manner of reproducing a woman's form is illustrated, though it is evident that the same method may be employed in reproducing other shapes or forms.

Referring again to the drawing, a closely fitted vest of knitted material is first placed upon the form, which contains only the corset, or such articles as the person is to wear with the ordinary garments. Strips of paper, or other suitable fabric, are then applied to the vest while still in place upon the body,

or form, whose outlines are to be reproduced. These strips, as heretofore stated, are covered on their inner surface with a coating of any suitable adhesive substance which normally is in a dry state. This surface, of course, is dampened before the strips are applied, but the moisture is so little that the strips are practically dry as soon as they are applied. These strips may extend in all directions, and ordinarily are irregularly applied in any manner which the operator may think best in order to cause them to conform to take the curves of the form without wrinkling; in other words, the strips of paper, or other fabric, when applied should lie perfectly smooth, in order that the best results may be obtained when draping garments thereon. After a sufficient number of the adhesive strips have been applied to the vest to cause the latter to maintain its shape during removal from the body, the article is divided from top to bottom in both front and rear, and a narrow strip cut from the edges, in order that the two sections or pieces when put together may be of the exact size of the form upon which the article was originally placed. These sections or pieces are then mounted upon a suitable frame, after which additional strips are applied to give the necessary strength and rigidity to the article, that are required for the use to which it is to be put. In applying the last named strips, a part of them, in both the front and rear, are caused to intersect the joints, or lines of division, whereby the two parts or sections are held together, forming a substantial integral device. In mounting the article, a piece of wood is placed at the bottom, and a piece of paste-board at the top, the latter being fitted into the neck of the device, and secured in place by applying paper strips across the same, and bending their extremities downwardly. The arm-holes of the article are also filled with paste-board disks, secured by the use of the paper strips in the same manner. A thin coating of size, or some suitable glutinous substance is then placed upon the outer surface of the paper covered article, after which the powdered substance, as flock, is sprinkled thereon, giving the outer surface of the device the necessary roughness for draping purposes, as heretofore stated.

In the drawing, the numeral 5 designates the vest. 6 the strips of adhesive paper, and 7 the powdered surface. The numeral 8 indicates the front division between the two parts of the article, a narrow space being left between the edges before either section is removed from its normal position, resulting from the cutting of a very narrow strip from each adjacent edge along the line of division, for the purpose heretofore explained.

Referring to Figs. 4 and 5: The numeral 9 designates a stand or frame of ordinary character, the same being vertically adjustable by means of a set screw 10, the upper part, 12, of the leg telescoping within the lower part, 13. In mounting the article upon a stand or frame, the lower parts of the two pieces are secured to the block, or disk 14, which is preferably composed of wood. The strips of paper applied to the paste-board inserted in the neck opening are designated 15, while those employed for the same purpose at the arm-holes are designated 16.

The article thus constructed is practically dry when it is completed, and therefore ready for immediate use.

Having thus described my invention, what I claim is:

The herein described method of reproducing the outlines of a form consisting in first covering the said form with a vest, applying pieces of adhesive fabric thereto, cutting the article from top to bottom in both front and rear, removing it from the form, mounting it upon a frame, applying additional strips of adhesive fabric, whereby it is given additional stiffness or rigidity, and the pieces or sections connected to form an integral device, inserting disks in the arm holes, applying still more additional strips of adhesive fabric to said disks, applying a coat of size to the article and finally applying a powdered substance to the size for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

WILLIAM B. PLANNETT.

Witnesses:
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