

1,037,650.

Fig.1.



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WAIST-FORM AND SKIRT-FRAME.

1,037,650.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ETTA McMULLEN, citizen of the United States, residing at Oskaloosa, in the county of Mahaska and State of Iowa, have invented new and useful Improvements in Waist-Forms and Skirt-Frames, of which the following is a specification.

My present invention pertains to waist forms and skirt frames; and it consists in the peculiar and advantageous construction hereinafter described and definitely claimed.

In the drawings accompanying and forming part of this specification: Figure 1 is an elevation showing my novel skirt frame and waist form properly arranged relative to each other. Fig. 2 is a view, partly in elevation and partly in section of the same; said view being taken at a right angle to Fig. 1. Fig. 3 is a detail view illustrative of the manner in which according to my invention a sleeve form is attached to the waist form.

Similar letters of reference designate corresponding parts in all of the views of the drawings.

The skirt frame comprised in my invention comprises uprights A grouped about and fixedly connected to a base board B, a top board C arranged within and fixed to the upper portions of the uprights A, and a pivot post D which extends downward through a central aperture in the top board C and is disposed at its lower end in a socket E in the base board B. It will also be observed by reference to Fig. 2 that the pivot post D extends a slight distance above the top board C for an important purpose hereinafter set forth. At this point I would have it understood that the skirt frame may be of the form shown in cross-section or of any other suitable form without involving departure from my invention as claimed.

F indicates the waist form of my improvement. Among other elements the waist form comprises a base board G, and in this board is formed an aperture H, Fig. 2, to receive the upwardly extended portion of the post D, this in order to permit of the waist form being turned around upon the pivot post and above the skirt frame. This capacity of function will be appreciated as important, when it is stated that a dress-maker may sit down and conveniently turn the waist form before her while fitting a waist upon the said form.

As will be observed by comparison of

Figs. 1 and 3, the waist form F is provided with arm protuberances I, and on one of said protuberances are arranged three (more or less) male fastener members J. These male fastener members are designed to co-operate with female fastener members K disposed in the upper chambered portion L of the arm form M. By virtue of this manner of fastening the sleeve form on the arm protuberance of the waist form, there is no liability of the sleeve form becoming casually detached, and yet when necessity demands the said sleeve form can be expeditiously and easily removed from the waist form. It will also be appreciated that the sleeve form is calculated to enable a person to set a sleeve properly, and especially when the sleeve is to be worn by the person making the same. In addition to the base board G, the waist form F comprises an upper portion which is constructed in the following peculiar and advantageous manner and is then affixed to the said base board G. In producing the said upper portion of the waist form, I first place a jacket on the body of the party whose form the waist form is to simulate. This jacket, which is indicated by P in Fig. 2, is preferably a heavy fleece-lined shirt. It is fitted to the body of the person as tight as it can be pinned, and is then removed and stitched up. With this done the jacket is again put on the body of the person, with its smooth side out, and while it is so positioned one coat of plastic material is applied to the jacket. The first coat, indicated by R in Fig. 2, is composed of the following formula, viz: water one pint, liquid glue one-half teaspoon, common wheat flour one and one-half ounces, and plaster of Paris two ounces. In preparing the first coat the ingredients mentioned are thoroughly mixed while in a cold state, and the mixture is then cooked to a thick paste. The jacket is covered well with the said paste while the same is in a hot state, and after the coat of paste has hardened the jacket is taken from the party's body and is permitted to dry for several hours. Subsequent to the drying operation the jacket is coated with a layer of plastic material, indicated by S in Fig. 2.

The layer or coat S is composed of the following formula, viz: water—one pint, common wheat flour, one and one-half ounces, plaster of Paris, two ounces, and a full tea-

spoon of liquid glue. After the jacket is well coated with the second layer or coat S it is let stand from ten to fifteen hours until it is well hardened. It is then covered with building paper, and in the attachment of such paper a paste composed of the following ingredients is employed, viz: water one pint, liquid glue one teaspoon, and common flour one ounce, these ingredients being mixed together and cooked to a paste. The building paper referred to is indicated by T in Fig. 2, and the paste used in the attachment of the building paper is indicated by U in said figure.

When desired the upper portion of the form produced in the manner described may be covered with shellac, but this is not essential to my invention, and I therefore do not desire to be understood as confining myself to the same.

The upper portion of the waist form produced as described is arranged over and suitably connected to the base board G; the heavy building paper being by preference lapped over and connected by adhesive to the under side of the said base board, as appears in Fig. 2.

It will be gathered from the foregoing that the waist form produced in the manner described is an exact simulation of the form of the party upon whom it is produced, and that it may be used for the purpose of fitting in proper manner any number of waists to be worn by such party. It will also be gathered that the said waist form while easy of production and inexpensive is strong and durable and will last with proper use for an indefinite period.

The arm portion or form M may be and preferably is produced on the arm of the particular person for whom the apparatus is designed, and in the same manner as the waist form; the lower end of the said arm form being closed after the production thereof, and the chamber L being provided in the upper portion of the arm form.

Having described my invention, what I

claim and desire to secure by Letters-Patent, is:

1. In an apparatus for the purpose described, the combination of a waist form having a lateral protuberance, a sleeve form having in its upper portion a chamber shaped to receive and surround the said protuberance, and fastening devices arranged at intervals around the said protuberance and interposed between the same and the opposed wall of the chamber in the sleeve form; each of said fastening devices comprising a male fastener member and a complementary female fastener member, and said members being attached to the protuberance and the sleeve form, respectively, and serving to detachably connect the sleeve form to the waist form.

2. In an apparatus for the purpose described, the combination of a waist form having a short lateral protuberance at the shoulder point, a sleeve form having in its upper end portion a chamber shaped to receive and surround the said protuberance and also having its upper end shaped in conformity to the waist form, whereby it is adapted to snugly fit against the same, and means on the side of the protuberance and the opposed side wall of the chamber, whereby the sleeve form is detachably connected to the waist form.

3. A dress form simulating the human form and comprising a base board, an inner layer of soft material, plastic material applied to the outer side of the inner layer, and a covering of heavy paper arranged on and secured by adhesive to the plastic material and having its lower portion lapped over and permanently attached to the under side of the base board.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ETTA McMULLEN.

Witnesses:

L. C. HAWKINS,

JOHN McCUTCHEN.