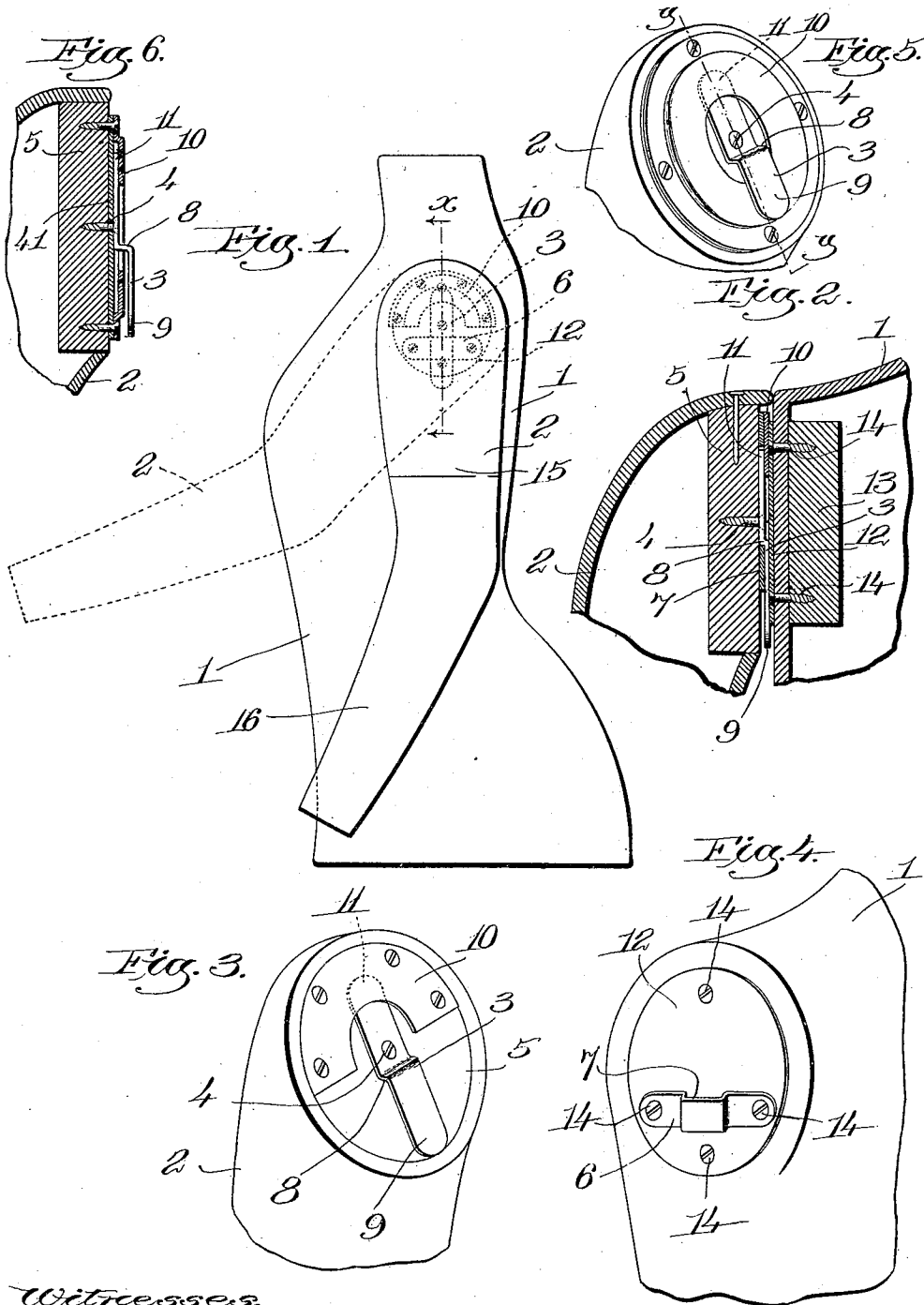


F. B. GRANGER.
DRESS FORM.
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Patented June 24, 1913.



Witnesses:
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UNITED STATES PATENT OFFICE.

FRANK B. GRANGER, OF NEW YORK, N. Y., ASSIGNOR TO HALL-BORCHERT DRESS FORM CO., OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

DRESS-FORM.

1,065,443.

Specification of Letters Patent.

Patented June 24, 1913.

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To all whom it may concern:

Be it known that I, FRANK B. GRANGER, a citizen of the United States, residing at New York, county of New York, State of New York, have invented an Improvement in Dress-Forms, of which the following description, in connection with the accompanying drawing, is a specification, like letters on the drawing representing like parts.

This invention relates to dress forms, and particularly to the arm thereof, and the object of the invention is to provide a simple connection for the arm, which permits the latter to be readily detached from and attached to the body of the form, and which also permits the arm to be swung into any angular position and holds it in its adjusted position.

The features wherein my invention resides will be more fully hereinafter described and then pointed out in the appended claims.

Referring to the drawings Figure 1 is a side view of the dress form embodying my invention; Fig. 2 is an enlarged sectional view on substantially the line $x-x$, Fig. 1; Fig. 3 is a perspective view of the upper end of the arm section; Fig. 4 is a perspective view of the shoulder portion of the body section; Fig. 5 is a perspective view of the upper end of the arm section showing a modified construction; Fig. 6 is a section on the line $y-y$, Fig. 5.

The body of the dress form is shown at 1 and the arm section at 2. The body and arm may be made of any suitable material and have any appropriate construction as the manner in which they are made forms no part of the invention. It is the common practice, however, to make the body and arm of papier-mâché material.

My improved connection between the arm and body comprises a holding finger pivotally connected to one of the parts and a keeper secured to the other part and with which the holding finger can be detachably engaged. The cooperation of the holding finger and keeper holds the arm in position and because the finger is pivoted to one of the parts the arm is permitted to be swung into any desired angular position. For holding the arm in its adjusted position, I have in this embodiment of my invention provided a friction plate adapted to frictionally engage the holding finger. The holding finger may be attached to either the

arm or the body. In the illustrated embodiment of the invention the holding finger is attached to the arm and the keeper to the body. Said holding finger is shown at 3 and it is illustrated as formed from a piece of sheet metal which is pivoted at 4 to the upper end of the arm 2. I have herein shown the arm as provided with a block 5 of wood or similar material which not only stiffens the shoulder portion of the arm, but also forms a firm support to which the holding finger 3 may be pivoted. The keeper is shown at 6 and it is in the form of a strip of sheet metal which is secured to the shoulder portion of the body and is provided with the offset portion 7 behind which the holding finger 3 may be inserted. I have herein shown the holding finger as provided with the offset portion 8 so that the portion 9 thereof which enters behind the keeper will be offset slightly from the block 5 while the opposite end of the holding finger will lie flatly against the block.

The arm 2 has secured thereto a friction plate 10 which overlies the upper end 11 of the holding finger and which holds it firmly against the face of the block 5. In fact the friction plate 10 is so supported that the end 11 of the holding finger will be pinched between it and the block 5 with sufficient pressure to provide a frictional engagement sufficient to hold the arm in any adjusted position.

In Figs. 1-4 the friction plate 10 is shown as particular in shape in which case the arm could have a limited movement only.

In Fig. 5 I have shown a construction wherein the friction plate is annular in shape so that the arm can be given a complete revolution without carrying the end 11 of the holding finger out from under the friction plate. In this latter embodiment of my invention also the portion 11 of the holding finger rests against a metal plate 41 which is secured to the block 5.

The shoulder of the body portion is shown as having a face plate 12 secured thereto to which the keeper 6 is secured and in order to make a firm support for this face plate and keeper I propose to place on the inside of the form 1 a stiffening block 13 of wood to form an anchorage for the screws 14 that hold the plate and keeper in position.

The arm can be placed on the form by merely slipping the lower end of the holding

finger 9 into the offset portion 7 of the keeper and may be removed by simply lifting the arm to disengage the holding finger from the keeper. When the arm is in position with the holding finger engaging the keeper, as shown in Figs. 1 and 2, the arm may be turned into any position, as shown in dotted lines Fig. 1, without disconnecting the holding finger from the keeper, for the keeper will prevent the holding finger from turning and the pivotal connection between said finger and the arm will permit the arm to turn relative to the holding finger and keeper. The frictional engagement between the upper end 11 of the holding finger and the face of the block and the friction plate 10 is sufficient to hold the arm in any adjusted position. The arm can be removed from the form when it is in any one of its adjusted positions.

My improved device is very simple and inexpensive to manufacture and can be readily applied to any dress form.

In using my improved arm in a display form it is possible to insert the arm into the dress and after the dress has been placed on the form to connect the arm to the dress form. Similarly when the dress is to be removed from the form the arm can be first disconnected from the form before it is withdrawn from the dress, and then can be removed from the dress after the latter has been removed from the form. By providing the detachable arm which can be readily applied to the form, it is possible to drape a dress on the form or remove it therefrom with much greater facility and with less liability of tearing or injuring the dress than if the arm were not detachable in this simple fashion.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent is:—

1. The combination with the waist portion of a dress form, of an arm section, a holding finger pivoted to one of the parts to turn about an axis at right angles to the length of said finger, a keeper secured to the other part to detachably receive the finger whereby the arm may be readily removed from the form by a movement in the direction of the length of the finger; said finger having an extension, and means to frictionally engage the extension thereby to hold the arm in different positions.

2. The combination with the waist portion of a dress form, of an arm section, a holding finger pivoted to one of the parts and having an extension provided with a friction face, a keeper on the other part

adapted to detachably receive the finger, and a friction plate secured to the part to which the finger is pivoted and adapted to frictionally engage the finger extension thereby to frictionally hold the arm in any adjusted position.

3. The combination with the waist portion of a dress form, of an arm section, a holding finger pivoted to the arm section and having an extension provided with a friction face, a keeper on the waist portion adapted to detachably engage the finger, and an annular friction plate secured to the arm section and frictionally engaging the finger extension whereby the arm will be frictionally held in any adjusted position.

4. The combination with the waist portion of a dress form, of an arm section, a keeper secured to the shoulder of the dress form, a holding finger pivoted to the arm section and adapted to detachably engage the keeper, and a friction plate secured to the arm and engaging the holding finger thereby to provide sufficient frictional resistance to the turning movement thereof to hold the arm in any adjusted position.

5. The combination with the waist portion of a dress form, of an arm section, a keeper secured to the shoulder of the waist portion and provided with a loop, a holding finger pivoted to the arm and having a flat face resting against the end of the arm and an offset portion to detachably engage said loop, and a friction plate engaging said finger and thereby to provide sufficient frictional resistance to the turning movement thereof to hold the arm in any adjusted position.

6. The combination with the waist portion of a dress form, of an arm section, a holding finger pivoted to the arm section and having an offset portion on one side of the pivot and an extension on the other side thereof, said extension being provided with a friction face, a keeper secured to the waist portion and adapted to engage the offset portion of the finger, and an annular friction plate overlying the friction face of the extension and underlying the offset portion of the finger and frictionally engaging said extension thereby to frictionally hold the arm in adjusted position.

In testimony whereof, I have signed my name to this specification, in the presence of two subscribing witnesses.

FRANK B. GRANGER.

Witnesses:

FRANK GARCIA,
ROBT. R. GREASON.