

No. 817,511.

PATENTED APR. 10, 1906.

E. T. PALMENBERG.  
GARMENT FORM.  
APPLICATION FILED JULY 6, 1905.

2 SHEETS—SHEET 1.

Fig. 1.

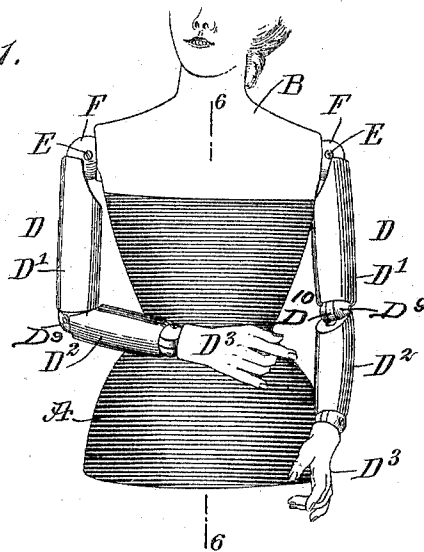
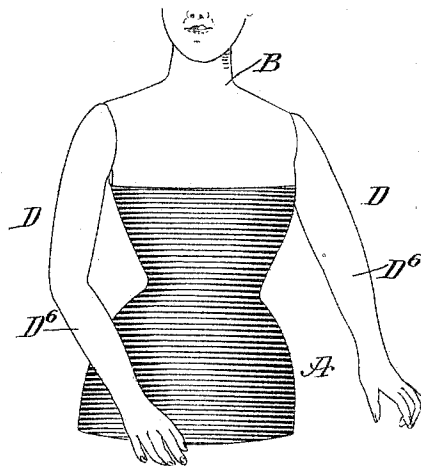
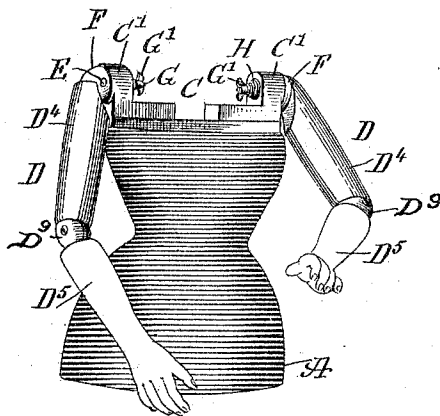


Fig. 3.

Fig. 2.



WITNESSES:

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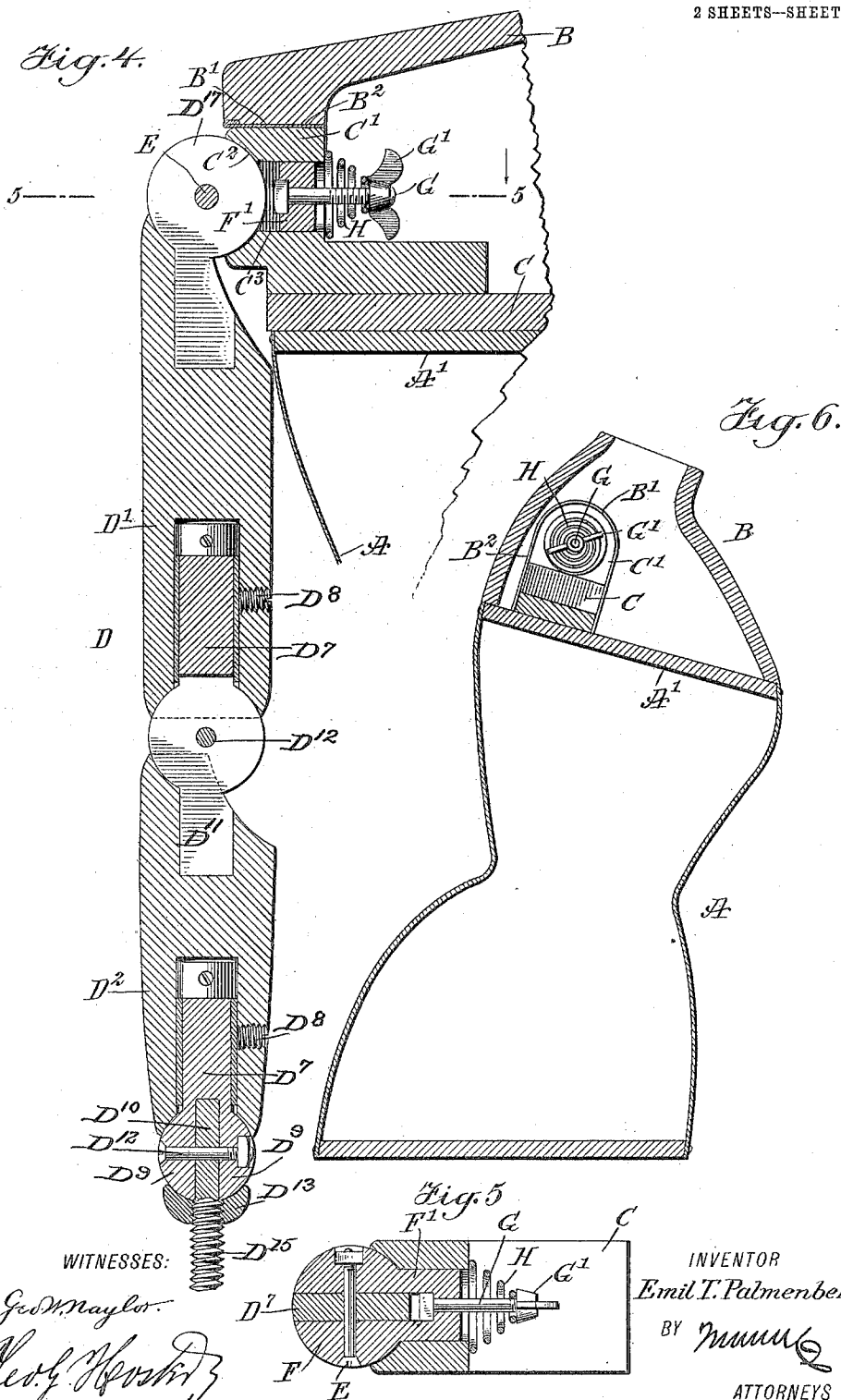
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2 SHEETS--SHEET 2.



# UNITED STATES PATENT OFFICE.

EMIL T. PALMENBERG, OF NEW YORK, N. Y.

## GARMENT-FORM.

No. 817,511.

Specification of Letters Patent.

Patented April 10, 1906.

Application filed July 6, 1905. Serial No. 268,367.

*To all whom it may concern:*

Be it known that I, EMIL T. PALMENBERG, a citizen of the United States, and a resident of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Garment-Form, of which the following is a full, clear, and exact description.

The invention relates to apparel apparatus, and its object is to provide a new and improved garment-form arranged to allow convenient and quick interchange of different arms, heads, and shoulders, according to the style of dress to be displayed.

The invention consists of novel features and parts and combinations of the same which will be more fully described hereinafter, and pointed out in the claims.

A practical embodiment of the invention is represented in the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a front elevation of the improvement. Fig. 2 is a perspective view of my improvement, the head and shoulder piece being omitted and with a forearm of display material. Fig. 3 is a like view of the improvement, showing different arms. Fig. 4 is an enlarged sectional side elevation of the improvement. Fig. 5 is a sectional plan view of the same on the line 5 5 of Fig. 4, and Fig. 6 is an enlarged transverse section of the improvement on the line 6 6 of Fig. 1.

The body A of the garment-form is of usual shape and suitable material, and on the top A' of the said form A is seated the shoulder and head piece B, usually made of wax or like material. On the upper face of the top A' is secured a shoulder-support C, having rising bearings C' onto which fit, exteriorly, the U-shaped metallic linings B', arranged on the walls of recesses B<sup>2</sup>, formed on the sides of the shoulder and head piece B, so as to hold the latter against lateral movement when seated on the top A' of the body A. Thus by the arrangement described the shoulder and head piece B can be readily placed in position on the top A' of the body A or removed therefrom and placed in position on another body A of different form, whenever it is desired to do so. Thus one single expensive shoulder and head piece B can be used on differently-shaped bodies, usually made of cheap material. Furthermore, by making the shoulder and head piece removable in the

manner described the body A and head-piece, usually made of an expensive material, can be separately packed and conveniently shipped from one place to another.

The arms D of the garment-form are removable and interchangeably connected with the bearings C' of the arm-support C to permit of conveniently and separately shipping the arms and to allow of using different sets of arms on one and the same garment-form. Thus, for instance, as illustrated in Fig. 1, each of the arms consists of an upper arm D', a forearm D<sup>2</sup>, and a hand D<sup>3</sup>, of which the upper arm D' and the forearm D<sup>2</sup> are of wood or like cheap material, while the hand D<sup>3</sup> is made of wax or similar expensive material. This dress-form is designed for displaying dresses having long sleeves which cover the upper arm D' and the forearm D<sup>2</sup>, and reach onto the wrist portion of the hands D<sup>3</sup>. Hence when this dress is in position on the garment-form it is evident that only portions of the nicely-finished head-piece B and the hands D<sup>3</sup> are exposed to view.

In the arrangement shown in Fig. 2 each of the arms D is provided with an upper arm D<sup>4</sup> and a forearm and hand D<sup>5</sup> made in one piece and of wax or similar expensive material, while the upper arm D<sup>4</sup> is made of wood. This form is used for displaying a garment having short sleeves which cover the upper arms D<sup>4</sup> and extend onto the forearm and hand D<sup>5</sup>.

If desired, each arm may be made entirely of an expensive material, such as wax, as shown, for instance, in Fig. 3, and this form is mainly used for displaying sleeveless or full-dress garments, in which the arms D<sup>6</sup> and the main portion of the head and shoulder piece B are exposed to view.

From the foregoing it will be seen that by the arrangement described several sets of arms of different construction may be employed on the same form, thus enabling the storekeeper to readily interchange the arms, according to the form of dress to be displayed on the garment-form.

As shown in Fig. 1, the several portions of an arm are articulated to permit of moving the portions into the desired positions for properly displaying the sleeves of the garment. The ball-and-socket connection employed for connecting the several portions of an arm D with each other are of usual construction, so that further description of the same is not deemed necessary.

Each of the arms D has the upper end of the upper arm D' provided with a projection D<sup>7</sup>, engaged by a pivot E, extending transversely through a ball F, seated on a seat C<sup>2</sup>, formed on the outer end of the corresponding bearing C' of the arm-support C. From each ball F extends an offset F', fitting into an aperture C<sup>3</sup>, formed in the bearing C' and axial with the seat C<sup>2</sup>. On the offset F' is secured an inwardly-extending bolt G, on which screws a wing-nut G' against one end of a coil-spring H, resting with its other end on the inner face of the corresponding bearing C'. By screwing the wing-nut G' inward or outward more or less tension is given to the spring H, and consequently the ball F is drawn with more or less force into frictional contact with the seat C<sup>2</sup> to allow of turning the ball F in its seat to bring the corresponding arm D into the desired position and to securely hold the arm D in its adjusted position.

It is understood that when the head and shoulder piece B is removed from the form A convenient access is had to the wing-nuts G' (see Fig. 2) to permit of conveniently regulating the tensions of the springs H for the purpose mentioned. It will also be seen that when the head and shoulder piece B is removed the wing-nut G' can be unscrewed from the bolts G to allow of removing the arms D, and with the same the balls F and bolts G from the arm-support C to permit interchange of the arms for the purpose above described.

The device is very simple and durable in construction, can be cheaply manufactured, and is not liable to get easily out of order. It will further be seen that by the arrangement above set forth it is not necessary to make the arms completely of an expensive material, but different sets of arms may be employed, according to the nature of the garments to be displayed, the arms thus being less expensive, especially if only a portion, such as the hand D<sup>3</sup>, is made of an expensive material.

The elbow and wrists joints may be of any preferred form, in the present instance comprising a lug D<sup>7</sup>, inserted within a longitudinal opening in the upper arm and secured therein by a set-screw D<sup>8</sup>, the outer end of the lug being provided with spaced ears D<sup>9</sup>,

receiving between them an ear D<sup>10</sup> upon another lug D<sup>11</sup>, secured within a longitudinal opening in the forearm, a bolt D<sup>12</sup> traversing alined openings in the lugs for maintaining them in proper position. The wrist-joint is similar to that of the elbow-joint, except that the lug D<sup>11</sup> is replaced by a lug D<sup>15</sup>, having a screw-threaded end for engaging a screw-threaded opening in the hand, a washer D<sup>13</sup> being arranged upon the screw-threaded portion and engaging the spaced ears D<sup>9</sup> of the lug D<sup>7</sup>.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A garment-form comprising a body, arm-supports secured to the body, arms movably connected with the arm-supports, means for fixing the arms with respect to the supports, and a removable head and shoulder piece for inclosing and concealing the supports and fixing means.

2. A garment-form comprising a body, an arm-support secured to the said body and having rising bearings, arms having a ball-and-socket-joint connection with the said bearings, and fastening devices for holding the arms to the said bearings and for holding the balls with more or less friction in place in the sockets.

3. A garment-form comprising a body, an arm-support secured to the top of the said body and provided with rising bearings, each having a socket, arms having balls at their upper ends for engaging the said sockets, a bolt projecting from each ball and extending through the said bearing, and a spring interposed between each bearing and the nut of the corresponding bolt.

4. A garment-form comprising a body, an arm-support secured to the said body and provided with rising bearings, arms removably held on the said bearings, and a shoulder and head piece seated on the said body and having a metallic lining fitting the said bearings.

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

EMIL T. PALMENBERG.

Witnesses:

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EVERARD B. MARSHALL.