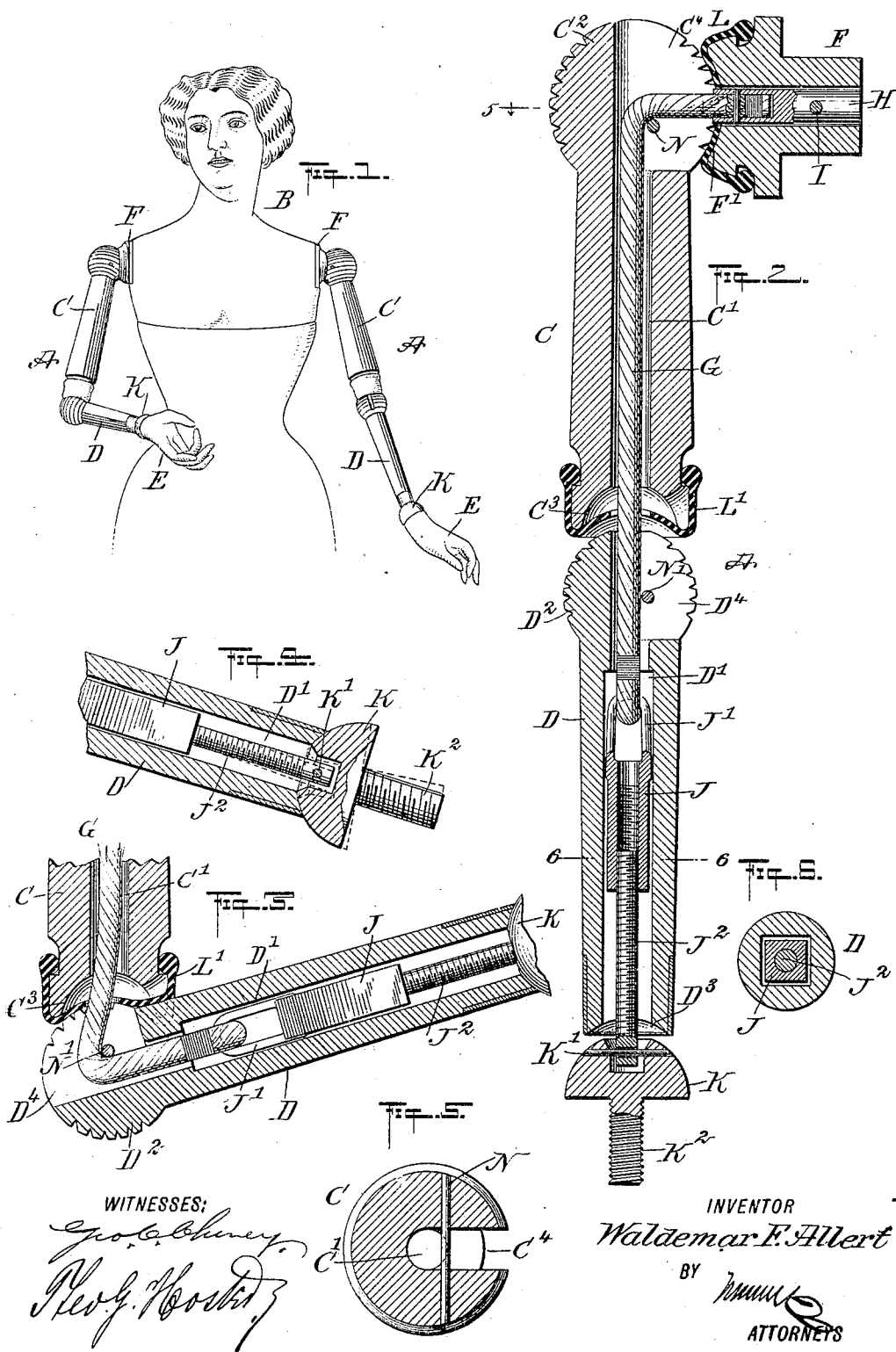


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W. F. ALLERT.
DISPLAY FORM.
APPLICATION FILED JUNE 29, 1905.



UNITED STATES PATENT OFFICE.

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DISPLAY-FORM.

No. 807,895.

Specification of Letters Patent.

Patented Dec. 19, 1905.

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To all whom it may concern:

Be it known that I, WALDEMAR F. ALLERT, 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 Display-Form, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved display-form for use in stores, store-windows, and other places for displaying dresses and other garments to the best advantage, the display-form being arranged to permit of conveniently placing the garment in position on the form while the sectional movable members thereof are in a limp position to allow of giving the members, such as the arms, legs, or the like—the desired pose and to finally secure the members in the adjusted position to properly display the garment in the desired pose.

The invention consists of novel features and parts and combinations of the same, which will be more fully described hereinafter and then 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 perspective view of the improvement, showing the arms in the adjusted position. Fig. 2 is an enlarged sectional side elevation of one of the arms in a limp position. Fig. 3 is an enlarged sectional side elevation of the upper and fore arms in an adjusted position. Fig. 4 is an enlarged sectional side elevation of the forward end of the forearm and showing the means for carrying the hand. Fig. 5 is a sectional plan view of the improvement on the line 5 5 of Fig. 2, and Fig. 6 is a similar view of part of the improvement on the line 6 6 of Fig. 2.

The improvement represented in the drawings is shown applied to the arms A of a display-form B; but it is evident that the improvement can be equally well applied to the legs or other movable members of the display-form. Each arm A is made of joined parts C, D, and E, of which the part C is the upper arm and has a ball-and-socket connection with the shoulder part F, fixed on the body of the display-form B. The part D is the forearm and the part E is the hand, usually made of wax or like expensive material, while the parts C and D are preferably made

of wood or similar inexpensive material. When the garment to be displayed is in position on the form, the parts C and D are covered by the sleeve of the garment, and hence these parts need not be as delicately formed as the exposed hand E.

The parts C and D are formed with openings C' and D', extending lengthwise from end to end of the parts, and through the opening C' extends a flexible connection, such as a rope G, secured at its upper end to a rod H, secured in the shoulder part F by a pin I, which is also used for fastening the shoulder part F to the body of the display-form B. The rope G also extends into the opening D' of the forearm part D, and the loose end of this rope is connected with a loop J', extending from a nut J, preferably made polygonal in cross-section to fit the correspondingly-shaped opening D' to allow the nut J to slide in the said opening, but not to turn therein. In the nut J screws a screw-rod J², extending through the outer end of the part D to pivotally connect with a pin K', held in a ball K, having a screw-rod K², on which screws the hand E to support the latter, the ball K thus forming part of the hand E.

The upper end of the part C is provided with a ball C², seated on a socket F', formed on the shoulder-support F and lined with a flexible material, such as rubber, as indicated at L, to permit of forming a very tight joint between the ball C² and the socket F'. The upper end of the part D is likewise provided with a ball D², adapted to be seated on the rubber lining L', held on the socket C³, formed on the lower end of the part C.

The ball K, previously mentioned, is adapted to be seated on a socket D³, formed on the forward end of the part D, and this socket may also be lined with rubber, the same as the sockets F' and C³. Now when the ball K, which forms a handle, is turned to partly unscrew the screw-rod J² in the nut J it is evident that the several parts C, D, and E are loosely connected at their joints, or, in other words, the said parts assume a limp position, and when the parts are in this position the garment can be readily placed in position on the display-form and the sleeves conveniently engaged with the arms, the parts of which are very limp. When this has been done and it is desired to give a pose to an arm, it is only necessary for the operator to swing the parts C, D, and E into the desired pose, and when this has been attained

it is only necessary for the operator to turn the hand E at the ball K, so as to screw the screw-rod J² in the nut J with a view to draw the several parts tight to hold the parts in the pose given.

It is understood that when screwing up the screw-rod J² and the nut J the several parts are drawn together and the ball-and-socket joints are moved in firm engagement with each other to securely hold the parts in the adjusted position. Thus by the arrangement described the parts are firmly fastened together by turning the terminal member of the arm.

In order to allow the several parts to assume angular positions with each other, it is necessary that the balls C² and D² be formed with slots C⁴ and D⁴, respectively, and pins N and N' extend transversely through the balls adjacent to the rope G to hold the latter in proper lengthwise engagement with the parts and to allow portions of the rope to enter the slots C⁴ and D⁴, as will be readily understood by reference to Fig. 3.

It is expressly understood that by the arrangement described the several parts of the arm are firmly secured in place after the sleeve is in position and after the desired pose has been given to the arm and sleeve, the entire adjustment being from the terminal member of the arm—that is, the hand—and without the use of screw-drivers or other auxiliary devices.

By providing the rubber linings L and L' at the sockets it is evident that the balls C² and D² can be drawn very hard in contact with the linings without danger of breaking any of the parts, at the same time insuring a firm contact between the balls and their sockets and without danger of accidental movement of the balls in their sockets.

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

1. A display-form provided with a support, a member comprising a plurality of parts, one of the parts being adjustably connected with the said support, the parts being flexibly connected one with the other, and means acting in the longitudinal direction of the parts, whereby to loosen the parts or to draw the same tight.

2. A display-form provided with a support and a member comprising a plurality of parts, one of the parts being adjustably connected with the said support, the parts being flexibly jointed one with the other, and means for loosening the joints or drawing the same tight, the said means being manually controlled from the terminal member.

3. An adjustable member for a display-form, consisting of joined parts, and means for tightening or loosening the parts from the terminal of the member.

4. An adjustable member for a display-form, consisting of joined parts, a flexible connection for connecting the parts with each other, and means for tightening or loosening the said flexible connection.

5. An adjustable member for a display-form, consisting of joined parts, a flexible connection for connecting the parts with each other, and means for tightening or loosening the said flexible connection from one end of the said member.

6. An adjustable member for a display-form, comprising a plurality of joined hollow parts, a rope fixed at one end and extending through adjacent parts, and a tightening device connected with the loose end of the rope and controlled by the terminal part.

7. An adjustable member for a display-form, comprising a plurality of joined hollow parts, a rope fixed at one end and extending through adjacent parts, a tightening device connected with the loose end of the rope and controlled by the terminal part, and transverse pins on the joined ends of the parts.

8. An adjustable member for a display-form, comprising a plurality of joined hollow parts, a rope fixed at one end and extending through adjacent parts, a tightening device connected with the lower end of the rope and controlled by the terminal part, and rubber sockets at the joints of the parts.

9. An adjustable member for a display-form, comprising a plurality of joined hollow parts, a rope fixed at one end and extending through adjacent parts, a nut secured on the loose end of the said rope, a screw-rod screwing in the said nut, and a handle pivoted on the said screw-rod for turning the latter.

10. An adjustable member for a display-form, comprising a plurality of joined hollow parts, a rope fixed at one end and extending through adjacent parts, a nut secured on the loose end of the said rope, a screw-rod screwing in the said nut, and a handle pivoted on the said screw-rod for turning the latter, the said handle having means for supporting the terminal part of the member.

11. An adjustable member for a display-form, comprising a plurality of joined hollow parts, a rope fixed at one end and extending through adjacent parts, a nut secured on the loose end of the said rope, a screw-rod screwing in the said nut, and a handle pivoted on the said screw-rod for turning the latter, the said handle carrying the terminal part of the member and having a ball-and-socket connection with the adjacent part.

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

WALDEMAR F. ALLERT.

Witnesses:

THEO. G. HOSTER,
JNO. M. RITTER.