

C. A. UFFORD.

DRESS FORM.

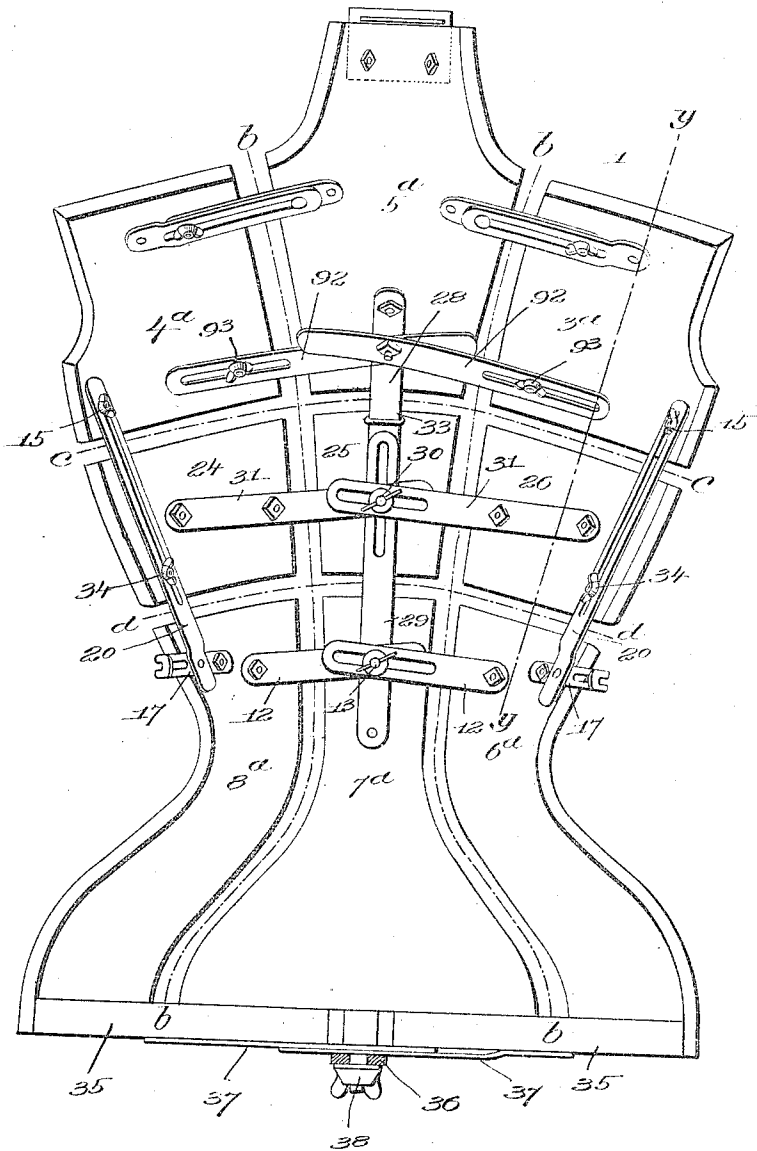
APPLICATION FILED MAR. 23, 1907.

908,910.

Patented Jan. 5, 1909.

4 SHEETS—SHEET 1.

Fig. 1.



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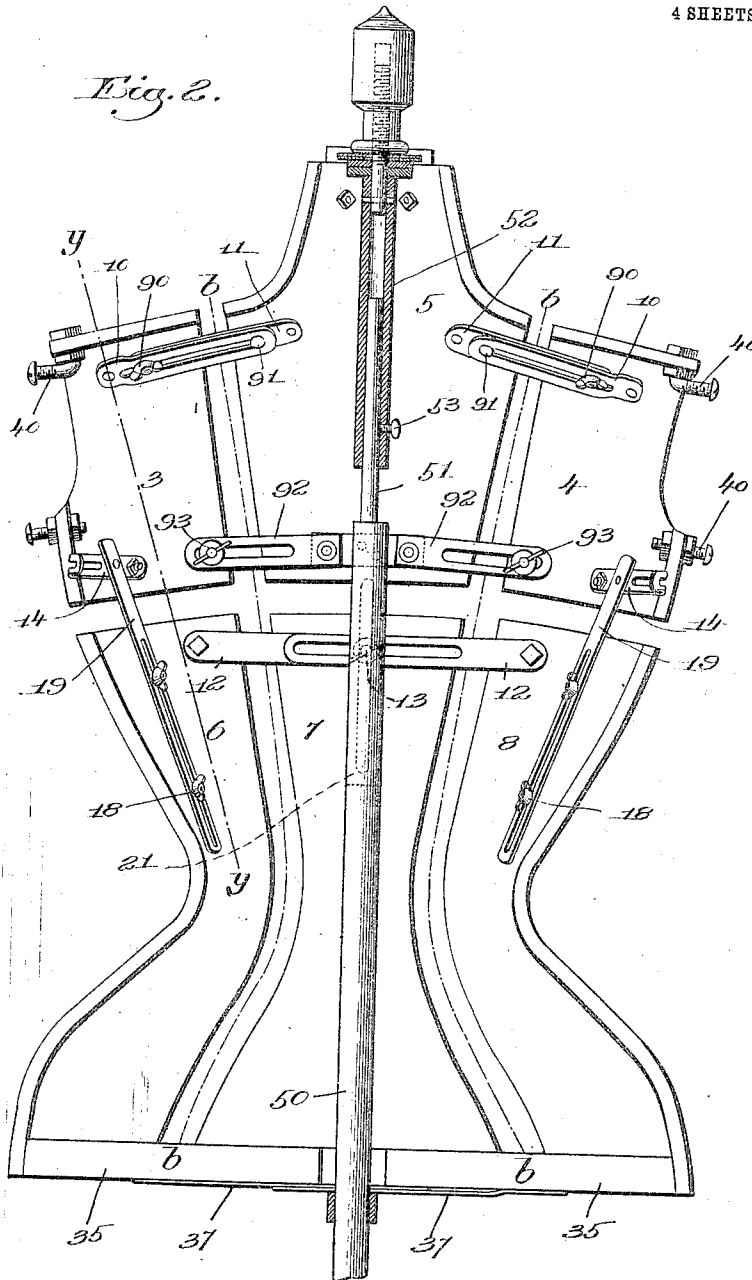
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Patented Jan. 5, 1909.

4 SHEETS—SHEET 2.

Fig. 2.



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4 SHEETS—SHEET 3.

Fig. 3.

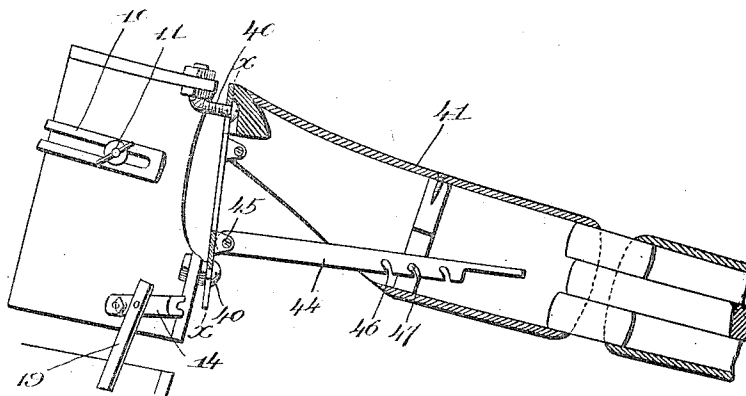


Fig. 5.

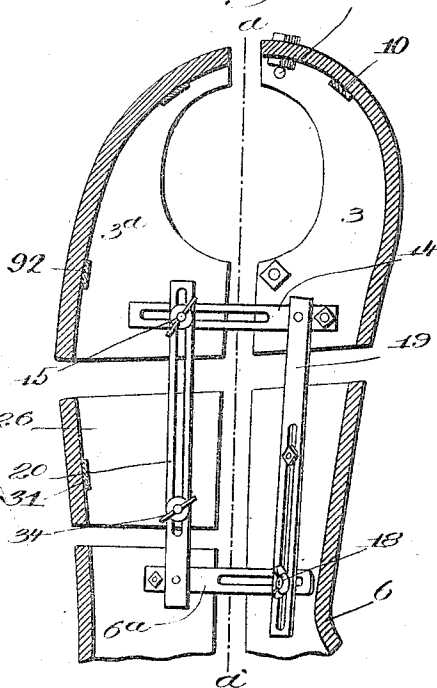


Fig. 4.

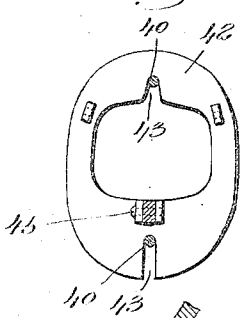
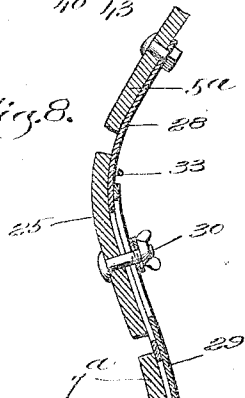


Fig. 8.



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4 SHEETS—SHEET 4.

Fig. 6.

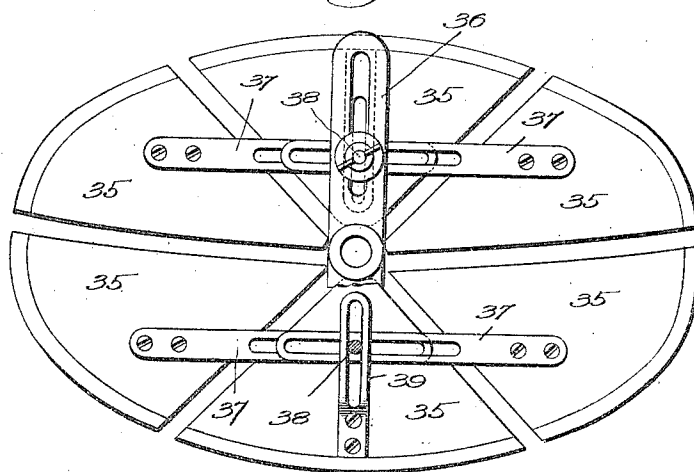
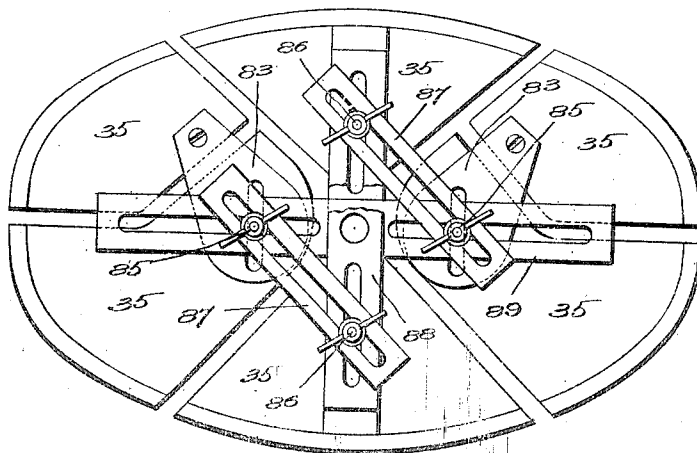


Fig. 7.



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UNITED STATES PATENT OFFICE.

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DRESS-FORM.

No. 908,910.

Specification of Letters Patent.

Patented Jan. 5, 1909.

Application filed March 23, 1907. Serial No. 364,059.

To all whom it may concern:

Be it known that I, CHARLES A. UFFORD, a citizen of the United States, residing at Boston, county of Suffolk, and State of Massachusetts, 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 which are made in sections and which are made adjustable relative to each other for varying or changing the size of the form, and one of the objects of the invention is to provide a novel and simple way of adjustably securing the sections to each other and holding them in place.

Another object is to provide an adjustable form in which the bust portion of the form may be adjusted without changing or adjusting the other portions thereof.

Still another object is to provide a novel way of detachably securing the arm of the form; and other objects are to improve generally the form in other particulars herein-after described and then pointed out in the claims.

In the drawings, Figure 1 is a vertical section through the form showing the inside of the front half of the form; Fig. 2 is a similar section showing the inside of the back half of the form; Fig. 3 is a vertical section through the arm showing its manner of adjustment to the form; Fig. 4 is a section on the line $x-x$, Fig. 3; Fig. 5 is a vertical section through the form on substantially the line $y-y$, Figs. 1 and 2; Fig. 6 shows the manner of adjusting the bottom; Fig. 7 shows a modification of the construction in Fig. 6; Fig. 8 is a vertical central section through a portion of the front of the form.

The form herein shown is divided vertically from side to side through the shoulders on the line $a-a$, Fig. 5, to form front and rear halves; it is also divided vertically from front to rear at each side the center, as at b , Figs. 1 and 2, and is divided horizontally across the bust. When a form is divided in this manner the back half presents the back shoulder sections 3, 4, the back neck section 5, the back waist sections 6, 7 and 8, as shown in Fig. 2; and the front half shown in Fig. 1 presents the front shoulder sections 3^a, 4^a, the front neck section 5^a, and the front waist sections 6^a, 7^a and 8^a.

For adjustably connecting the shoulder

sections to the neck section I have provided a construction which not only holds the shoulder sections properly spaced from the neck sections, but also serves to guide said shoulder sections as they are adjusted toward and from the neck sections. The device herein shown for accomplishing this comprises a slotted member 10 secured to the shoulder section and overlying a second slotted member 11 secured to the neck section. These slotted members are clamped together by means of clamping bolts 90, and the slotted members 10 have studs 91 rigid therewith which play in the slots of the member 11. By this construction, the shoulder section is always maintained in its proper position relative to the neck section and may also be clamped to hold it properly spaced from the neck section. 92 are other slotted members which are secured to the neck sections both front and rear at the lower edge thereof, and which are adjustably secured to the lower corners of the shoulder sections by clamping bolts 93.

The side waist sections are secured to the central waist section on both front and back by means of slotted members 12 each of which is rigidly secured at one end to the corresponding waist section. These two slotted members 12 for either the front or the rear overlap each other on the inside of the corresponding waist section and are clamped thereto by means of a clamping bolt 13. The adjacent shoulder sections 4, 4^a, 3, 3^a, are also adjustably secured together by means of suitable slotted members 14 each of which is rigidly secured to one shoulder section and overlies the other adjacent shoulder section and is fastened thereto by means of a clamping bolt 15, and the same construction is employed for adjustably securing together adjacent waist sections, one of two adjacent waist sections having the slotted member 17 secured thereto and overlying the other waist section and secured thereto by means of a clamping bolt 18.

For adjustably securing the sections above the horizontal division line to those below said division line, I propose to employ other slotted members 19, 20, the members 19 being rigidly secured to the rear shoulder sections and overlapping the rear waist sections and preferably secured thereto by the clamping bolts 18, and the slotted members 20 being rigidly secured to the front waist sec-

tions and extending upwardly and being secured to the front shoulder sections by the clamping bolts 15. In addition, the back neck section 5 has rigidly secured thereto a
 5 slotted member 21 which extends downwardly and overlies the middle back waist section 7 and is adjustably secured thereto by the clamping bolt 13. With this construction the form can be adjusted to lengthen
 10 or shorten the shoulders, increase or decrease the size of the waist or of the bust, and also lengthen the waist, and any one of these adjustments can be made independently of the other adjustments or simultaneously therewith. In addition to these adjustments, I have so constructed my dress
 15 form that the bust portion thereof may be raised or lowered independently of adjustments of other sections, or may be expanded or contracted independently. To accomplish this I divide the front half of the form horizontally in two places, as at *c* and *d*, see
 20 Fig. 1. When the form is divided in this manner it comprises the shoulder neck portion including the sections 4^a, 5^a, 3^a, the bust portion including the sections 24, 25 and 26, and the waist portion comprising the waist
 25 sections 8^a, 7^a and 6^a, and I have so constructed the bust portion that it may be adjusted vertically without disturbing the adjustment of the other portions of the form.

As shown in Fig. 1, the neck section 5^a has rigidly secured thereto a slotted member 28 which extends downwardly to overlap the
 35 central bust section 25, and the central waist section 7^a has secured thereto a slotted member 29 which extends upwardly to overlap the said slotted member 28, and the bust section 25 is clamped to these two slotted
 40 members by means of a clamping bolt 30 which is made fast to the section 25. The sections 24 and 26 each have slotted members 31 secured thereto and extending inwardly therefrom which overlie the central
 45 section 25 and are also secured thereto by the clamping bolt 30.

Referring now to Fig. 8, it will be seen that the slotted members 28 and 29 are curved and preferably the member 28 extends through a loop or guide 33 carried by the central bust section 25. The side bust
 50 sections 24 and 26 have secured thereto clamping bolts 34 which are received in the slots of the slotted members 20. With this construction it will be seen that by simply loosening the clamping bolt 30 the central bust section may be raised or lowered, and because the members 31 are rigidly secured to the side bust sections 24 and 26 they will
 55 also partake of this movement. This construction makes the form much more elastic and capable of a much greater range of adjustment than forms as now commonly made. The bottom of each waist section has secured
 60 thereto a base piece 35 and to hold the form

rigid when adjusted, I have provided the novel clamping device for clamping these base sections in their adjusted position. This clamping device comprises two slotted
 70 arms 36 which extend from front to rear of the form and which overlie the front and rear section 35, and two pairs of slotted members 37 which are rigidly secured to the side base pieces and overlap the central base
 75 piece. These overlapping slotted members are secured to the arms 36 by clamping bolts 38. If desired also the front and rear base pieces 35 may have the slotted clip 39 secured thereto which overlies and is secured
 80 to the members 37, as best seen in Fig. 6.

In Fig. 7 I have shown a modified form of the invention wherein two slotted plates 88 and 89 are employed which cross each other substantially at right angles, and are adjustably connected by other slotted connecting
 85 pieces 87, said connecting pieces being clamped to the slotted plates 88, 89 by clamping bolts 86 and 85. The bolts 86 are rigidly secured to the front and rear base pieces 35, while the bolts 85 are secured to the
 90 two side base pieces 35. The other two side base pieces have secured thereto slotted members 83 which overlie both the plate 89 and the connecting members 87 and which are secured to them by the bolts 85. In this
 95 construction the base of the form may be enlarged or reduced in size by merely loosening the bolts 85 or 86. I have also provided a novel way of detachably securing the arm to the figure. As herein shown one of the
 100 shoulder sections on each side has extending therefrom two headed studs 40, and the arm 41 carries the ring-like attaching member 42 which is provided with two slots 43 that are adapted to receive the shanks of the headed
 105 studs 40. The arm is preferably hinged to this plate so that it can be moved into different positions, and to hold it in any adjusted position I have shown a latch 44 hinged to the attaching member, as at 45, 110, said latch having notches 46 one of which is adapted to engage a pin 47 carried by the arm.

The form is to be supported on a suitable standard 50 which may extend upwardly
 115 from any usual base. This standard passes through the arms 36 and has extending from its upper end a portion 51 of reduced diameter that is adapted to telescope within a tubular member 52 secured to and depending
 120 from the neck of the member. This tubular member 52 may be clamped to the spindle 51 by means of a clamping bolt 53. When it is desired to lengthen the waist by separating the shoulder portion from the waist portion,
 125 the clamping bolt 53 will be loosened to permit the shoulder portion to be elevated.

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

1. A dress form divided horizontally across the front in two planes to constitute a shoulder portion, a bust portion and a waist portion, a slotted member rigidly secured to the shoulder portion and overlying the bust portion, another slotted member rigidly secured to the waist portion and overlying the bust portion, and a clamping screw extending through said slotted members and into the bust portion for adjustably supporting the latter.

2. A dress form divided horizontally across the front in two planes to constitute a shoulder portion, a bust portion and a waist portion, and also divided vertically to subdivide the bust and waist portions each into two side sections and a central section, a slotted member secured to each side section and overlying the corresponding bust section, the opposing slotted members overlapping each other, and means to adjustably secure said slotted members to the central sections of the waist portion and the bust portion.

3. A dress form divided horizontally below the shoulders and divided vertically to constitute front and rear shoulder sections on each side and front and rear neck sections, combined with means to pivotally connect the lower inner corner of each shoulder section to the adjacent neck section, and means to adjustably connect the upper inner corner of each shoulder section to the adjacent neck section.

4. A dress form divided horizontally below the shoulders and vertically in a plurality of planes to constitute front and rear shoulder sections on each side and a front and rear neck section, means connecting the upper portion of each shoulder section with the neck section to permit said portion of the shoulder section to move in and out only, and means constituting a pivotal connection between the lower edge of each shoulder section and the neck section.

5. A dress form divided horizontally across the bust and vertically either side of the central line to constitute a neck section and two shoulder sections above the horizontal line, combined with a T-shaped member secured to the neck section and having three slotted arms overlying the shoulder sections and the portion of the form below the horizontal division line, and clamping bolts secured to the shoulder sections and the section below the horizontal line and received in said slots.

6. A dress form divided horizontally across the bust and vertically each side of the center to constitute a neck section and two shoulder sections above the division line and three waist sections below the division

line, a slotted member secured to the neck section and overlying the central waist section, a slotted member secured to each side waist section and overlying the center waist section, and a single bolt secured to said center waist section and passing through all said slotted sections, thereby clamping said members together.

7. A dress form having the front half thereof divided horizontally across the bust in two places to constitute a shoulder and neck portion, a bust portion and a waist portion, slotted members rigidly secured to said shoulder and neck portion and extending downwardly over the bust portion, another slotted member rigidly secured to the waist portion and extending upwardly over the bust portion, and a clamping bolt carried by the bust portion and engaging both said slotted members.

8. A dress form divided horizontally across the front in two places to constitute a shoulder and neck portion, a bust portion and a waist portion divided vertically each side of the center, slotted members secured to the center shoulder and waist sections and overlying the center bust section, other slotted members secured to the side waist sections and overlying the center bust section, and a single clamping bolt carried by said center bust section and clamping all of said slotted members together.

9. A dress form divided vertically in three different places to constitute six waist sections, a base piece secured to each waist section, slotted members secured to the side base pieces on each side of the form and overlapping the center base piece, and a two-armed slotted member overlying the center base pieces and clamped thereto and to the other slotted members by clamping bolts.

10. The combination with a dress form having two headed studs extending from the shoulder thereof and situated one above the other, of an arm having a metallic attaching member provided with two open-ended radially-extending aligned slots to fit over said headed studs.

11. The combination with a dress form having two headed studs extending through the shoulder thereof of a ring-like attaching member provided with two slots to be received over said studs, and an arm adjustably hinged to said attaching member.

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

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Witnesses:

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