

Dec. 23, 1924.

F. DEUTSCH

1,520,564

FORM

Filed July 17, 1922

Fig. 1.

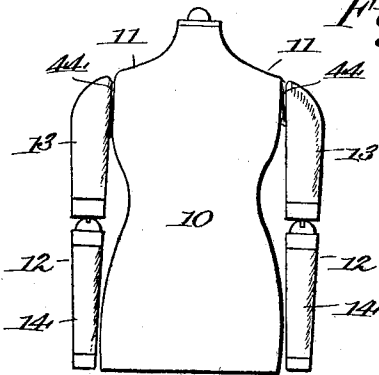


Fig. 3.

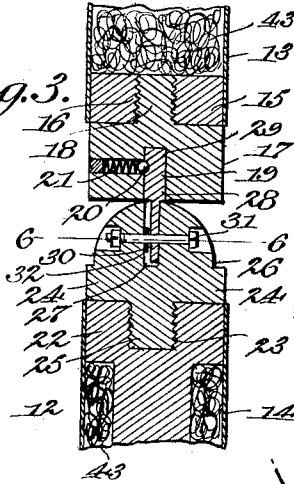


Fig. 6.

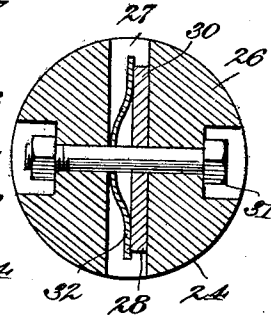


Fig. 2.

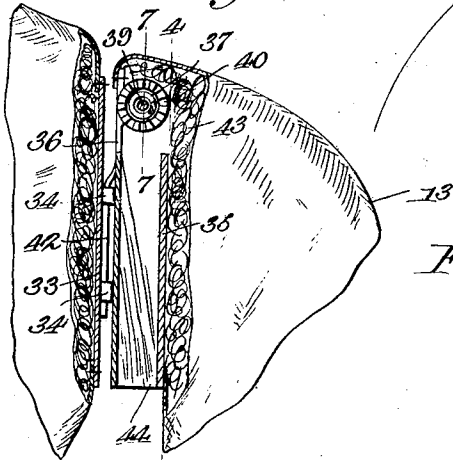


Fig. 4.

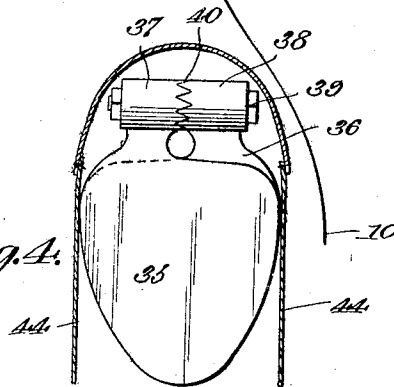


Fig. 5.

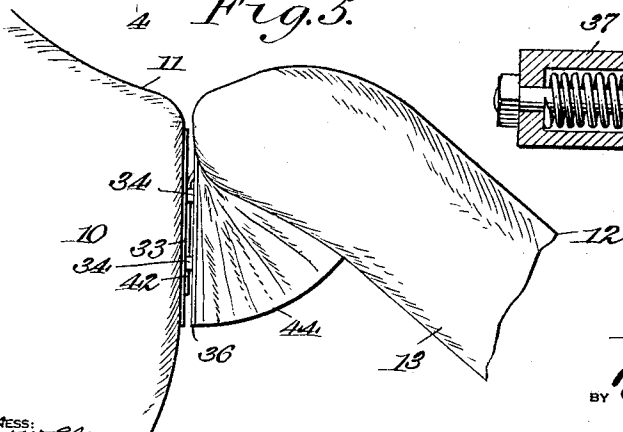
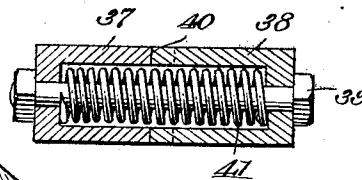


Fig. 7.



WITNESS:
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Patented Dec. 23, 1924.

1,520,564

UNITED STATES PATENT OFFICE.

FRANCES DEUTSCH, OF NEW YORK, N. Y.

FORM.

Application filed July 17, 1922. Serial No. 575,594.

To all whom it may concern:

Be it known that I, FRANCES DEUTSCH, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Forms, of which the following is a specification.

This invention relates to forms such as are used by garment makers.

Some of the objects of the present invention are: to produce a form of the character mentioned which is comparatively practical in use; to attach the arms to the body of the form in a novel manner; to employ extensible arms of flexible sections which are detachably connectable to the shoulder parts of the body of the forms to allow each arm to move laterally with respect to the body in a complete semi-circle; to employ gussets between each arm and one of its attaching plates; to employ in conjunction with each arm as characterized, means for temporarily maintaining the arm in different positions with respect to the body of the form; and with these and other objects in view, the invention resides in the particular provision, construction and functions of the parts hereinafter fully described and illustrated in the accompanying drawings, in which:

Figure 1 is an elevation of the form of the present invention.

Figure 2 is an enlarged sectional view illustrating the manner of attachment of one of the arms to the body of the form.

Figure 3 is a sectional view through one of the arms.

Figure 4 is a sectional view taken on the line 4—4, Figure 2.

Figure 5 illustrates one of the gussets attached to the arm and body.

Figure 6 is a detail sectional view taken on the line 6—6, Figure 3.

Figure 7 is an enlarged detail sectional view taken on the line 7—7, Figure 2.

Referring now more particularly to the several views of the drawing for details, it will be apparent that, the form of the present invention will include a body 10 which may be of any desired and suitable construction. The body 10 of course will afford shoulders 11, and arms 12 are attached to these shoulders 11. The arms are identical in construction therefore a description of one will suffice.

The arm 12 comprises a biceps-section 13 and a forearm-section 14. The sections 13

and 14 are detachably connectable and are relatively adjustable, and accomplished by means presently described which forms an elbow or joint for the arm and affords means for changing the length of the arm. One end of the section 13 has a member 15 with a screw threaded bore 16 therein. A member 17 is adjustably connected to the member 15 by virtue of a screw threaded stud 18 disposed centrally of the member 17 and capable of being screwed in said bore 16. The member 17 has a central bore 19, and a bore in which is arranged a ball 20 pressed by a spring 21 so that the nose of the ball will extend into the bore 19. One end of the section 14 has a member 22 with a screw threaded bore 23 therein. A member 24 is adjustably connected to the member 22 by virtue of a screw threaded stud 25, disposed centrally of the member 24 and capable of being screwed in the bore 23. The member 24 has a part 26 with a kerf 27 therein. A member 28 is employed between the member 17 and the part 26. The member 28 has a part 29 and a part 30. The member 28 is carried by the part 26. The part 30 is disposed in the kerf 27 and a bolt 31 is disposed in aligned holes in the part 26, and extends through the hole in part 30. A spring member 32 is held in place in the kerf 27 and it coacts with the part 30 to temporarily hold the member 28 in different positions. The part 29 is insertable in the bore 19 whereupon the ball 20 will be allowed to spring its nose into a depression in the part 29 for the detachable connection of the section 14 to the section 13. It should now also be understood that the section 14 may be moved relatively to the section 13 to temporarily maintain the section 14 disposed at any desired angle with respect to the section 13; and that the sections 13 and 14 may be extended to lengthen or shorten either of the sections themselves, or to lengthen or shorten the arm.

In devices of this character it is important that the arms be attached to the shoulders of the body of the form so as not to break joint and yet allow free movement of the arms in a semi-circle. To this end the body 10 has attached thereto below each shoulder 11 a plate 33 having upstruck parts 34. Each arm has attached thereto a plate 35. Another plate 36 substantially similar in outline to the plate 35 is also employed. The plates 35 and 36 are connected together by virtue of a member 37 formed on the plate

35 and a member 38 formed on the plate 36 and a bolt 39. Each of the members 37 and 38 has teeth 40 which coact. A spring 41 is employed to hold the teeth 40 in meshing relation, and at the same time allows them to move out of meshing relation. It follows that the plates 35 and 36 may be moved relatively to different relations and at the same time may be temporarily held against movement by virtue of the co-action of the teeth 40. The plate 35 has tongues 42 which are extendable behind the upstruck parts 34 in the attachment of the arm to the body. By providing the tongue with projections, and the plate 33 with small holes, upon the extension of the tongues 42 behind the parts 34, the projections will spring into the holes as a temporary but effected attachment or connection. This connection is in fact a means which allows the quick attachment or detachment of the arms 12. The fabric of the arm is sewed or otherwise attached to the plate 36.

Each section of each arm is stuffed with a soft filling material or padding 43 to make sections sufficiently light in weight.

In order to prevent the breaking or tearing of the fabric of each section 13 of each arm, stout gussets 44 are employed. Two gussets 44 are employed in connection with each section 13. Each gusset is attached in part to the fabric of the section 13 and in part to the plate 36 as shown in Figure 5.

It is to be understood that the right is reserved to make any and all changes, alterations, and modifications to the different features of the present invention as expressed in the claims hereunto appended, whenever it is deemed necessary or desirable.

What is claimed is:

1. A garment form comprising a body having shoulders, a plate mounted adjacent each of said shoulders, upstruck portions formed with the said plate, arms for attachment to each of said shoulders, each arm comprising a pair of sections, a plate carried by one section of each arm, tongues carried by said plate for co-action with said

upstruck portions to detachably secure said arm to said body, a second plate carried by one of the sections of each of said arms, and mounted adjacent the first mentioned plate, and co-acting means on each of said plates for holding said arms in adjusted position with respect to said body.

2. A garment form comprising a body having shoulders, a plate mounted adjacent each of said shoulders, upstruck portions formed with the said plate, arms for attachment to each of said shoulders, each arm comprising a pair of sections, a plate carried by one section of the arm, tongues carried by said plate for co-action with said upstruck portions to detachably secure said arm to said body, a second plate carried by one of the sections of each of said arms, and mounted adjacent the first mentioned plate, and co-acting means on each of said plates for holding said arms in adjusted position with respect to said body, and a gusset connecting the plates of each of said arms for limiting lateral movement thereof.

3. A garment form comprising a body having shoulders, arms for attachment to said shoulders, a plate carried by each arm, co-acting means on said shoulder and said plate for attaching said arm to said shoulder, a second plate carried by said arm, and co-acting means on both of said plates for permitting lateral movement of the arm and for holding the arms in adjusted position.

4. A garment form comprising a body having shoulders, arms for attachment to said shoulders, a plate carried by each arm, co-acting means on said shoulder and said plate for attaching said arm to said shoulder, a second plate carried by said arm, and co-acting means on both of said plates for permitting lateral movement of the arm and for holding the arms in adjusted position, and means connecting the plates of each of said arms for limiting the lateral movement thereof.

In testimony whereof I hereby affix my signature.

FRANCES DEUTSCH.