Dec. 22, 1931. B. D. FERRERO, NÉE WILLMANN 1,837,958

BUST SUPPORT

Filed March 29, 1930

Fig. 1.

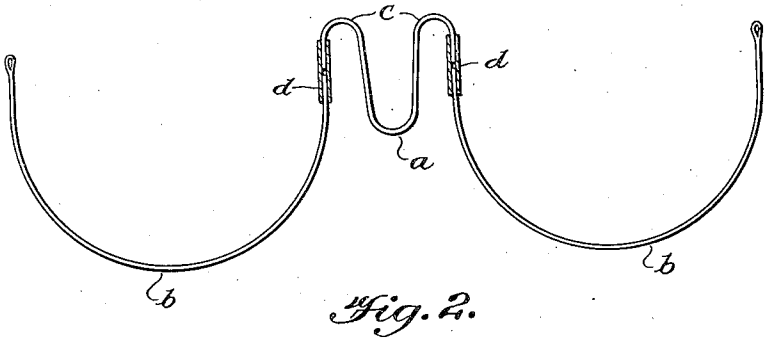
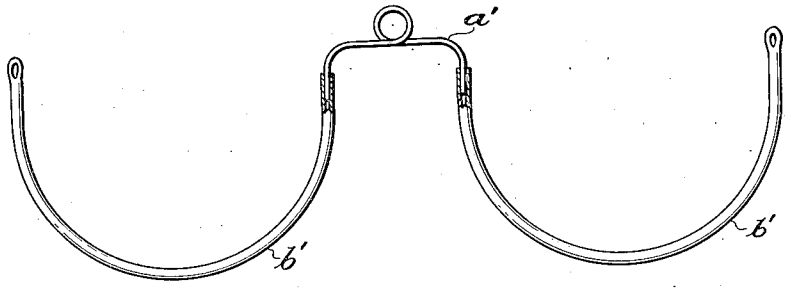


Fig. 2.



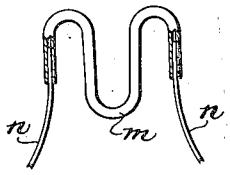


Fig. 3.

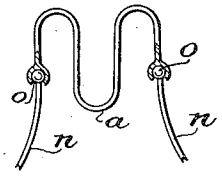


Fig. 4.

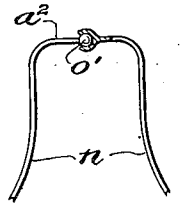


Fig. 5.

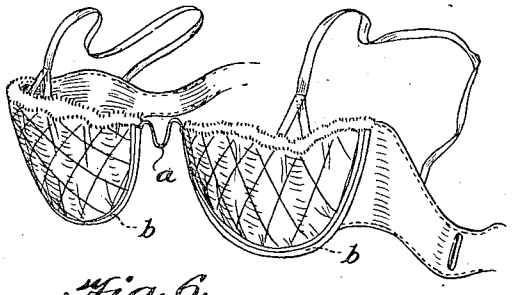


Fig. 6.

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UNITED STATES PATENT OFFICE

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BUST SUPPORT

Application filed March 29, 1930, Serial No. 440,110, and in France February 14, 1930.

The present invention relates to bust supports.

Bust supports are known which consist of a fitting formed of metal wire having a central portion of suitable shape, generally of V-shaped formation, designed for application on the bosom between the breasts in order to prevent them from coming together and provided with suitably shaped branches extending from said center portion and passing around the bottom of the breasts in order to support them without compression. This metal fitting is in a single piece sheathed so as not to wound, and acting as a support for the gussets.

The ends of the suitably shaped center portion are bent over at the points from which extend the branches passing under the base of the breasts and as a result the bends thus formed are subjected not only to pulling or tension when fixing the bust support by means of bands fastened in the back, but also to torsion or twisting due to the various movements of the body which because of their frequent repetition result in breaking of the wire.

The primary object of the present invention is to overcome these inconveniences and disadvantages.

The present invention essentially consists in forming the central portion of the fitting and the branches passing around the bottom of the breasts, by means of separate members united by joints capable of suppressing the effect of torsion and at the same time allowing the fitting to be more easily adapted to the shape of the body. These joints are preferably made by means of sockets or tubes engaging the ends of the central piece and the branches which pass around the bottom of the breasts and this very simple assembling device allows the different elements of the fitting to turn with respect to each other. Further, the central portion may be reinforced without being detrimental to the lightness which the entire fitting must possess.

In order that the invention and its mode of operation may be readily understood by those skilled in the art, I have in the accompanying drawings, and in the detailed description based thereupon, set out various possible embodiments of the same.

In these drawings,

Figure 1 is an elevation of my improved device with portions in cross section to indicate the mode of uniting the branches thereof;

Figure 2 is a similar view of a slightly modified form of the invention;

Figure 3 is a detail showing a modification of the joint;

Figure 4 is a similar representation of another modification of the joint;

Figure 5 illustrates a still further modification of the joint; and

Figure 6 is a perspective of a complete bust support with its gussets.

Having more particular reference to the drawings wherein like characters of reference will designate corresponding parts throughout, my improved device may be stated to comprise a fitting for bust supports, and consisting of a pair of outlining rods or bands of metal or the like b, which are bent to conform to the lower curves of both breasts.

As shown in Figure 1 of the drawings, the present invention essentially consists in forming the central member a and the branches b from separate pieces of material and joining their ends by inserting them in tubes or sockets d, thus providing joints eliminating torsion at the points c and further allowing the fitting to be more easily adapted to the shapes of the body.

Moreover, it will be understood that this device allows the central portion a to be strengthened in such a way as to give more resistance to the curved points c without appreciably increasing the weight of the piece a at the center.

Figure 2 shows a modification of the invention, wherein the branches which are adapted to pass around the bottom of the breasts are formed of flexible tubes b^1 and the ends of the center piece a^1 being folded over upon itself, to engage the tubes b^1. This arrangement provides a joint analogous to that described with reference to Figure 1.

Figure 3 illustrates a construction wherein the center portion is formed of a suitably

shaped tube *m* and the branches *n* which pass around the bottom of the breasts are made of wire sections each having one end engaged in the tube *m* forming the central portion.

Figure 4 shows a construction wherein the central part *a* is connected to branches *n* by means of swivel or ball joints *o* which allow the various elements to rotate in various directions with respect to each other.

Figure 5 shows a modification in the construction of the device represented in Figure 4, and embodies only one ball joint *o'* interpose in the medial portion of the central part *a'* of the branches *n*.

Figure 6 shows a bust support ready for use, wherein the fitting hereinbefore described is sheathed and provided with gussets as well as the brassière serving for attachment in the back and in position upon the wearer.

Manifestly, the construction shown and described is capable of considerable modification and such modifications as come within the scope of my claims, I consider within the spirit of my invention.

I claim:

1. In a bust support a pair of spaced and disjoined supporting elements, each bent to conform to the lower curves of the breasts, a pivotal connection between the adjacent branches of the bent disjoined elements, to keep the breasts apart and associated with the ends of said adjacent branches to establish a pivoted connection between said elements.

2. In a bust support, a pair of spaced supporting elements, each bent to conform to the lower curves of the breasts, a separate element interposed between the adjacent branches of the bent supporting elements, to keep the breasts apart and having pivotal connections with said supporting elements.

3. In a bust support, a pair of spaced supporting elements, each bent to conform to the lower curves of the breasts, a separate generally V-shaped element interposed between the adjacent branches of said bent supporting elements and placed between the breasts to form a separating means therefor, the branches of said V-shaped separating element being bent downwardly upon themselves and having pivotal engagement with the adjacent branches of the bent supporting elements.

4. In a bust support, a pair of spaced supporting elements, each bent to conform to the lower curves of the breasts, a separate generally V-shaped element interposed between the adjacent branches of said bent supporting elements and placed between the breasts to form a separating means therefor, the branches of said V-shaped separating element being bent downwardly upon themselves, and means between the downwardly bent end portions of said V-shaped element and the adjacent extremities of said bent supporting elements forming a pivotal connection therebetween.

5. In a bust support, a pair of spaced supporting elements, each bent to conform to the lower curves of the breasts, a separate generally V-shaped element interposed between the adjacent branches of said bent supporting elements and placed between the breasts to form a separating means therefor, the branches of said V-shaped separating element being bent downwardly upon themselves, and short tubular members freely receiving the downwardly bent end portions of said V-shaped element and the adjacent extremities of said bent supporting elements, forming a pivotal connection therebetween.

6. In a bust support, a pair of spaced supporting elements, each bent to conform to the lower curves of the breasts, a tubular member bent in a generally V-shaped formation interposed between the adjacent branches of said breast supporting elements and placed between the breasts to form a separating means therefor, the branches of said V-shaped tubular separating member being bent downwardly upon themselves and freely receiving therein the adjacent extremities of said bent supporting elements to form a pivotal connection therebetween.

7. In a bust support, a pair of spaced supporting tubular elements bent to conform to the lower curves of the breasts, a length of wire interposed between the adjacent branches of said supporting elements and placed between the breasts to form a separating means therefor, the end portions of said wire being bent downwardly and engaged within the adjacent extremities of said supporting tubular elements, and forming a pivotal connection therebetween.

BLANCHE DENISE FERRERO, née WILLMANN.