March 10, 1925. 1,529,165

E. CARROLL

WAIST

Filed Aug. 13, 1921

Fig. 1.

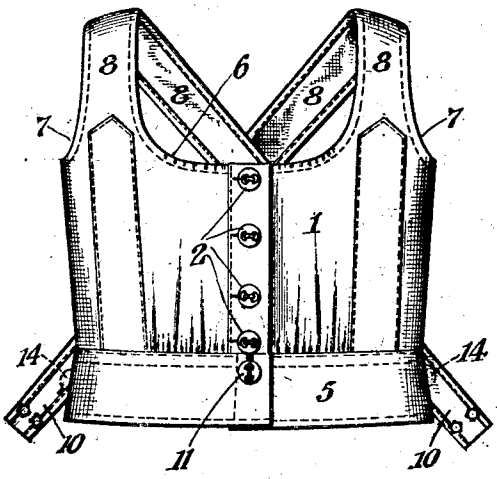


Fig. 2.

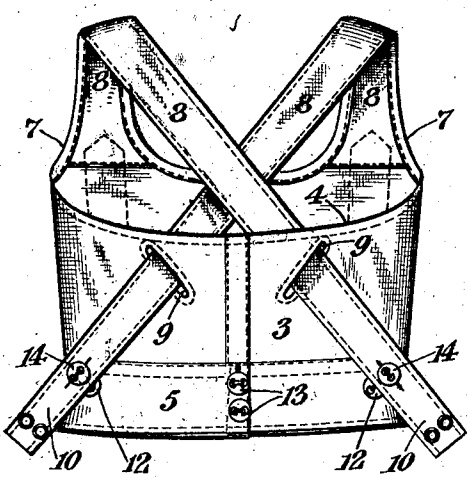


Fig. 3.

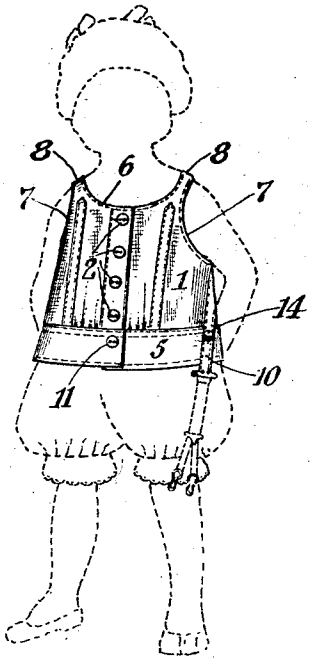
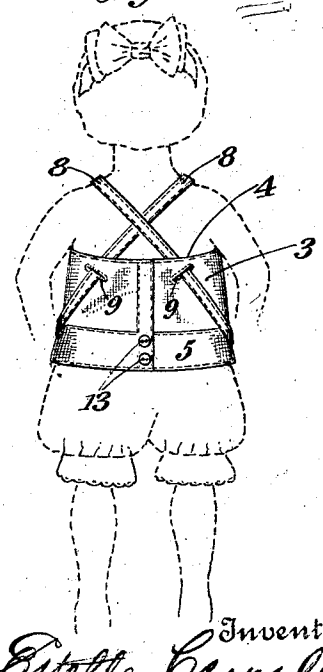


Fig. 4.



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UNITED STATES PATENT OFFICE.

ESTELLE CARROLL, OF NEW YORK, N. Y.

WAIST.

Application filed August 13, 1921. Serial No. 491,892.

To all whom it may concern:

Be it known that I, ESTELLE CARROLL, a citizen of the United States, a resident of New York, in the county of Bronx and State of New York, have invented a certain new and useful Improvement in Waists, of which the following is a specification.

My invention relates to waists designed to be worn as an undergarment and providing means for the attachment thereto of the nether garments of the wearer, and my invention has particular applicability to waists for children, although it is not confined thereto.

An object of my invention is to provide a waist having straps or supporters so arranged as to brace the shoulders backwards and yet permit complete freedom of movement of the wearer; and my invention has particular applicability to the maintenance of a correct posture in children and the prevention and correction of round shoulders.

Another object of my invention is to provide a waist having straps or supporters so arranged over the shoulders of the wearer as to remain thereon without any tendency to slip therefrom and yet provide a comfortable garment and without a binding effect restricting the movements of the wearer.

A further object of my invention is to provide a waist having shoulder straps and yet with the front and back portions of the waist so relatively movable, particularly longitudinally of the wearer, that strain is not exerted upon the buttons or other fastening means attaching the waist to the nether garments in bending movements of the wearer.

Still another object of my invention is to provide for the accomplishment of the foregoing objects in a necessary garment such as a waist as distinguished from braces or supporters worn additionally and especially for the purposes indicated.

These and other objects of my invention will more fully appear from the following detailed description of a preferred embodiment thereof, which, however, is to be understood as merely illustrative of my invention, and my invention is not to be restricted thereto.

In the accompanying drawings forming a part of the detailed description referred to:

Fig. 1 is an elevational view of the front of the waist with the same buttoned and flattened to present only a front and back thereof;

Fig. 2 is a similar elevational view of the back of the waist;

Fig. 3 is a perspective view of the front and part of one side of the waist in position in use upon a child, the child's figure in corresponding perspective being indicated in dotted lines;

Fig. 4 is a rear elevational view of the waist in use as in Fig. 3.

Like reference numerals indicate like parts in the various views.

The waist proper may be of any usual type or style having a body adapted to encompass the torso of the wearer either by slipping the same over the head and shoulders into wearing position or by buttoning and unbuttoning in coat-fashion. In the illustrated embodiment a waist of the latter type, opening and buttoning in the front portion 1 by the usual buttons and button holes 2, is shown.

The back portion 3, in the illustrative embodiment, is of the same material as the front portion 1 and continuous therewith in the sense of not being a separate piece attached to the front portion, although the back portion may be made of a separate piece and of different material if desired. The back portion 3 is directly connected or united to the front portion 1 only about the torso of the wearer below the arm pits in the position of the waist in use, as shown in Figs. 3 and 4, the terms "connected or united" being here used to indicate a union between the two portions whether because they are formed of one piece of cloth or whether of separate pieces attached together to form a garment. As shown in Fig. 2, the back portion, therefore, has an upper free edge 4 the entire width of the garment and not attached or connected or united in any manner to the front portion.

The waist band 5 is shown in the illustrative embodiment as substantially even about the body of the garment and with the front portion 1 of greater length therefrom than the back portion 4, as shown in Fig. 2, so that in the position of the waist upon the wearer, the front portion 1 extends upwardly from the waist line to a properly curved neck line 6, as shown in Fig. 3, while the back portion 4 extends a less distance upwardly from the waist line to the slightly curved free edge 4 referred to extending,

as shown in Fig. 4, entirely across the back of the wearer and merging into the edges 7 of the arm openings, as shown in Fig. 3.

Shoulder straps are provided to extend from the front portion of the garment over the shoulders of the wearer and across the back portion, and in the illustrative embodiment these shoulder straps, 8, extend from the upper edge of the front portion 1 of the waist on opposite sides of the neck line 6, the opposite ends of the curve of the neck line 6 and the upper ends of the curve of the arm holes 7 merging into the side edges of the straps, as shown in Fig. 3.

These straps are extended obliquely over the shoulders, inwardly toward the median line of the back of the wearer, and in crossed relation, as shown in Fig. 4, through slits 9, provided in the back portion 3 of the waist and thence obliquely over the body portion 3 downwardly and in a curve following the contour of the figure of the wearer toward the hip and toward the front portion of the waist, terminating in free ends 10 having the usual provisions for attachment of garters thereto to support the stockings or other nether garments of the wearer, as shown in dotted lines in Fig. 3.

A button 11 or like fastening means is provided at about the center of the front portion of the waist band 5, or otherwise expressed, in the median line of the front portion of the waist, and side buttons 12 which are substantially in the median side lines of said waist in position of the same on the wearer, and one or preferably a pair of buttons 13 in the middle of the back portion of the waist band and hence in the median line of the back portion of the waist, all for attachment thereto at the points indicated of the drawers, bloomers or other nether garments of the wearer. Buttons 14 upon the waist band, closely adjacent the buttons 12 and hence located approximately at the hips of the wearer of the waist, and cooperating button holes in the straps 8 detachably affix these straps to the waist band adjacent the lower free ends of the straps, as shown on one side in Fig. 3. When garters are not affixed to the lower extremities of the straps, as shown in Fig. 3, the straps are therefore anchored to the waist band alone.

With the arrangement of parts referred to, when the straps 8 are themselves connected to any of the nether garments by garters as shown, there is a direct pull exerted on the straps thereby, and when the straps 8 are not thus connected but connected only to the waist band 5 by the buttons 14, any pull exerted by the nether garments attached to said waist band is transmitted therethrough to the straps, and such pull in either case is exerted along said straps in a direction over the shoulders of the wearer solely from front to rear, thus tending to throw the shoulders back in a bracing effect.

Because of the inclination of the straps 8 across the back of the wearer and inwardly of the shoulders, it is also apparent that the pull exerted on the straps tends to retain them upon the shoulders, thus preventing the continual slipping from the shoulders, so inconvenient and annoying in the use of waists with the customary shoulder straps.

Because of the crossed relation of the straps 8 upon the back of the wearer, and the inclination of those straps not only downwardly but forwardly of the back toward the front of the wearer, the pull upon the ends of the straps produces not only the bracing effect to the shoulders referred to but a support for and bracing effect upon the back of the wearer.

Another function of extreme importance accomplished by the structure described is the accommodation of the various parts of the waist to the movements of the wearer, which renders the invention of particular usefulness to children at play. With a waist of the usual type, having front and back portions directly connected together by shoulder straps extending from the upper edge of the front portion to the upper edge of the back portion, and with the nether garments attached to the waist band in the customary way by buttons at the center of the front and back portions and at the sides of the waist-band corresponding in position to the buttons 11, 12 and 13, shown in Figs. 1, 2 and 4, when forward bending movements are made, there is no substantial strain upon the side buttons due to the fact that the side buttons are located approximately at the hip and the pivotal movement of the torso is from the hips and does not substantially increase the distance from the normal position of the side buttons on the waist band to the anchorage of the waist at the shoulders. Such forward bending movement does, however, produce a very substantial strain upon the buttons in the center of the back portion of the waist band, due to the fact that the forward bending movement tends to pull the back portion of the waist bodily along the back of the wearer in a direction toward the shoulders and away from drawers or bloomers of the wearer because the latter are necessarily anchored.

By my invention however, the absence of the customary anchorage over the shoulders of the back portion to the front portion of the waist permits the back portion to remain in its normal position relative to the drawers or bloomers to which it is attached, when the body is bent forwardly, the back portion partaking of a downward sliding movement relative to the straps 8; and hence strain upon the buttons attaching this back

portion to the drawers or other lower garment is avoided, and an extremely comfortable arrangement of garments upon the body effected.

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

1. A child's underwaist including a body having front and back portions, straps attached to the front portion extending over the shoulders when the waist is in position on the wearer, the upper part of the back portion being vertically movable with regard to said straps, said straps extending in a downward direction at the rear below the upper back portion of the waist, together with means for holding the rear ends of said straps in position free of the central back portion of the garment as regards vertical movement.

2. The combination set forth in claim 1, wherein said straps extend oblique to each other to cross at the back portion.

3. The combination set forth in claim 1, wherein the rear ends of such straps are disposed at the sides of the waist.

4. The combination set forth in claim 1, wherein the rear portion of the straps are provided with devices for attaching them to nether garments of the wearer.

5. The combination set forth in claim 1, wherein said straps extend oblique to each other to cross at the back portion, and the back portion is provided with slots slidably receiving said strap.

6. The combination set forth in claim 1, wherein the back portion is provided with slots slidably receiving said straps.

7. The combination set forth in claim 1, wherein the rear ends of such straps are disposed at the sides of the waist, with means for securing the straps respectively to such sides.

In testimony that I claim the foregoing, I have hereunto set my hand this 11th day of August, 1921.

ESTELLE CARROLL.