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SUSPENSORY SUPPORT FOR MEN'S GARMENTS

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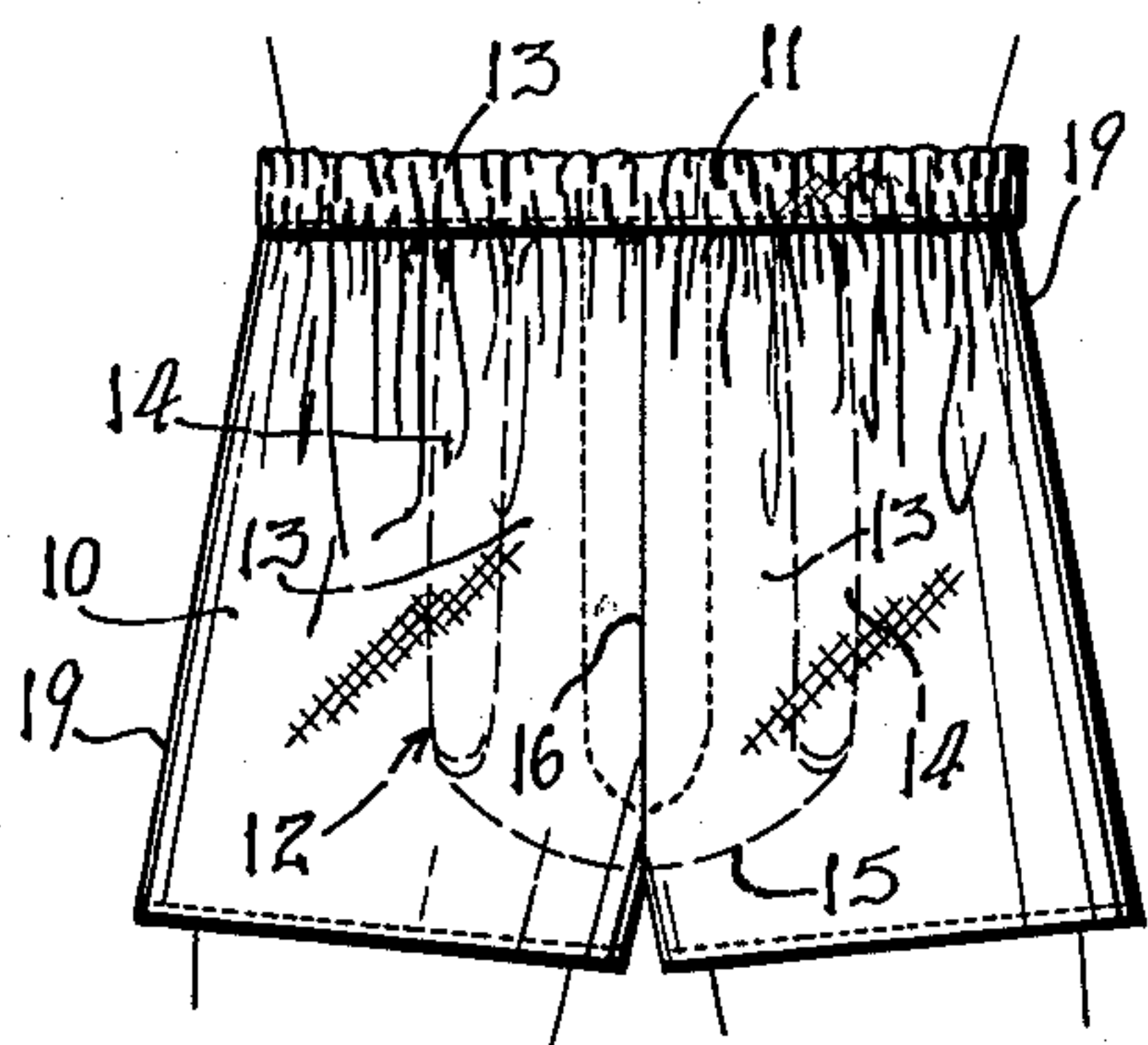


FIG. 1.

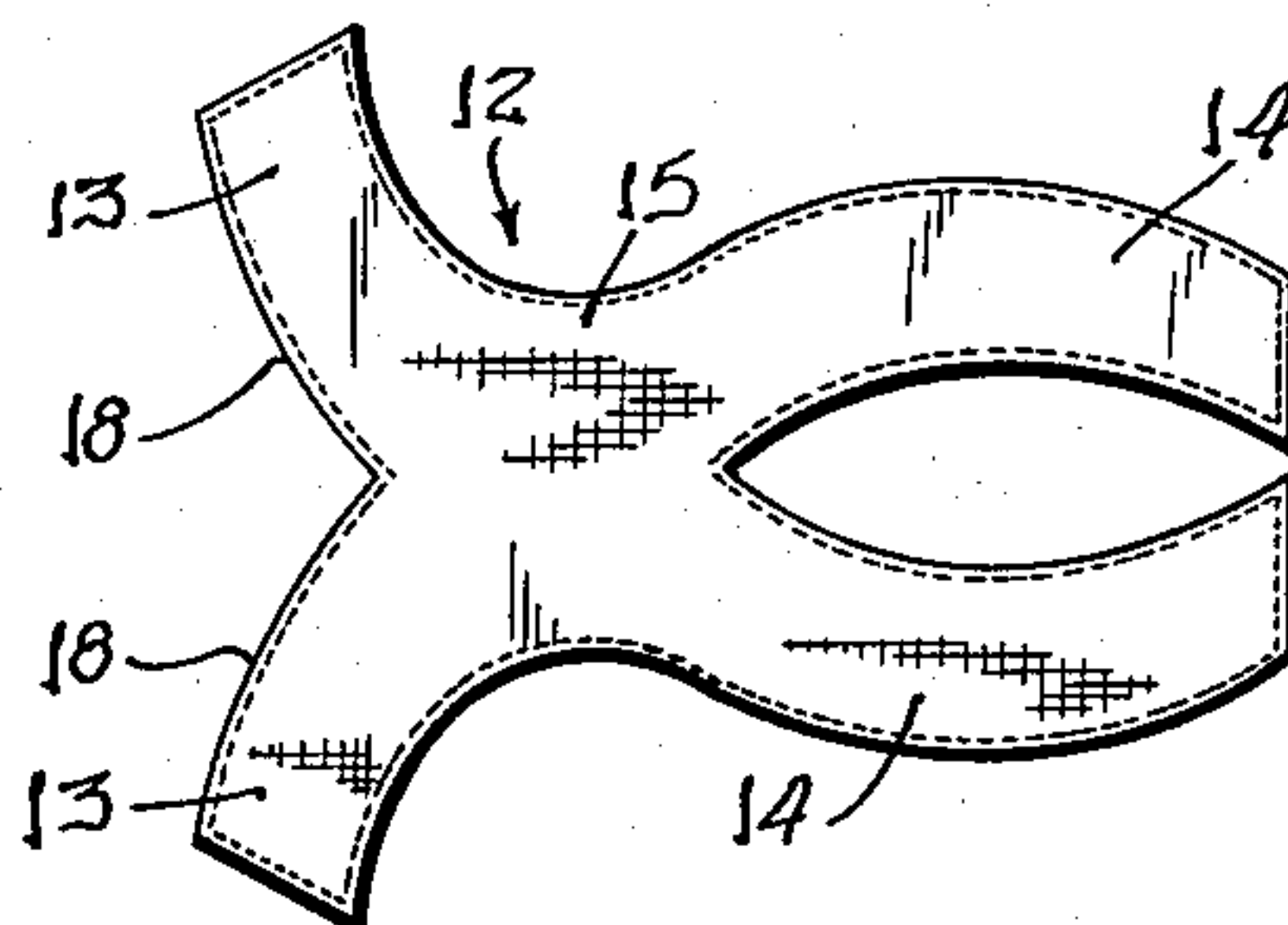


FIG. 2.

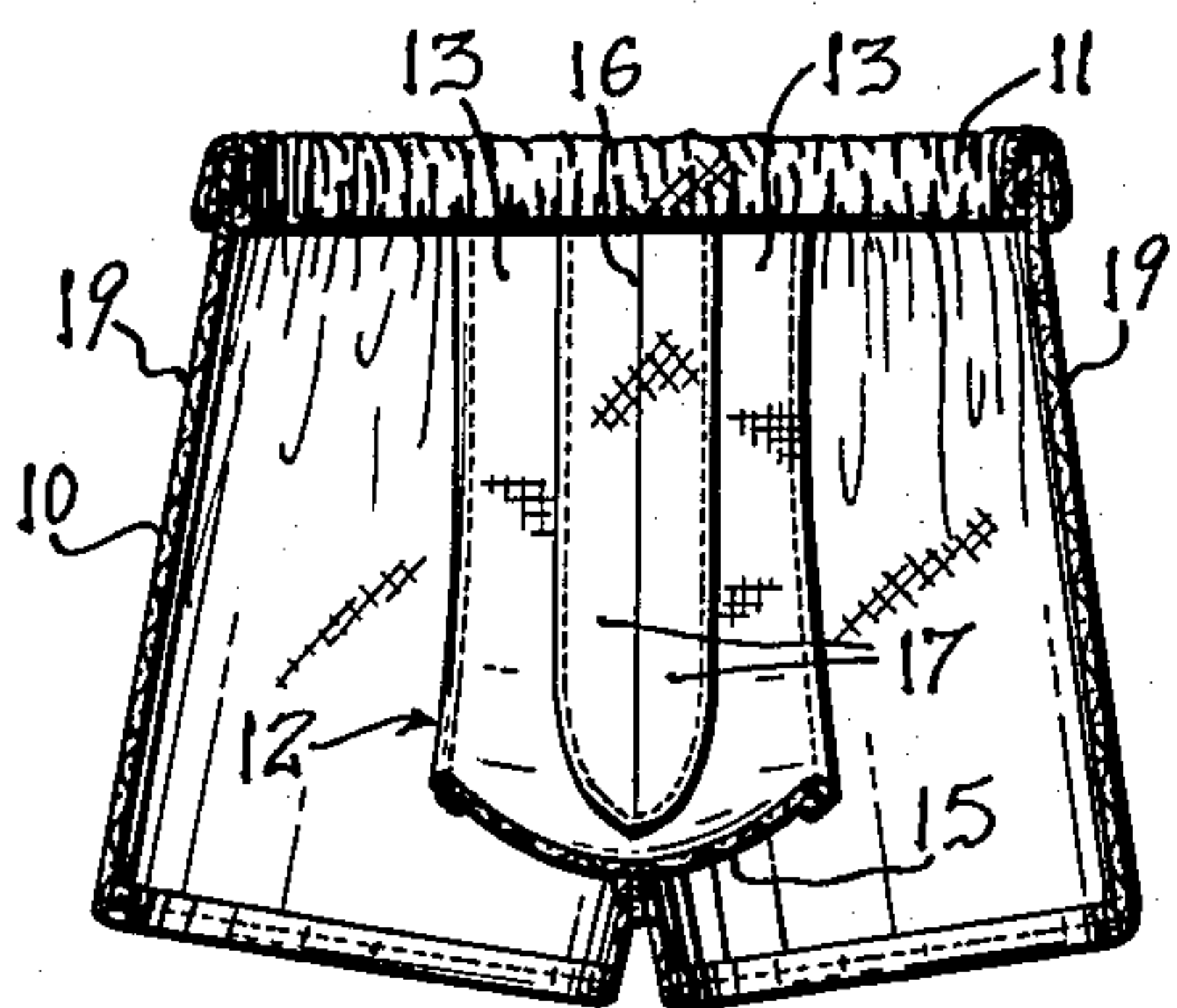


FIG. 3.

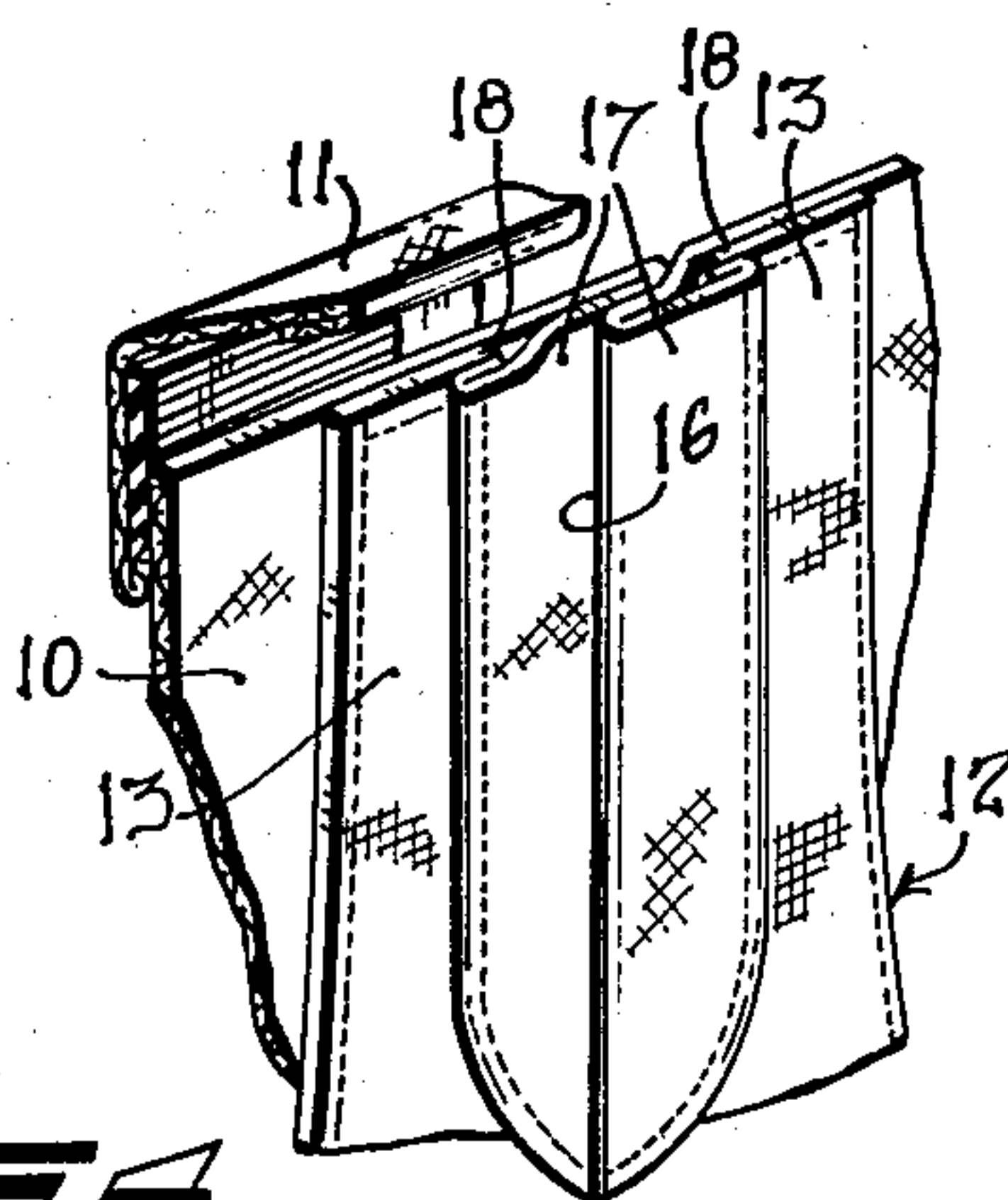


FIG. 4.

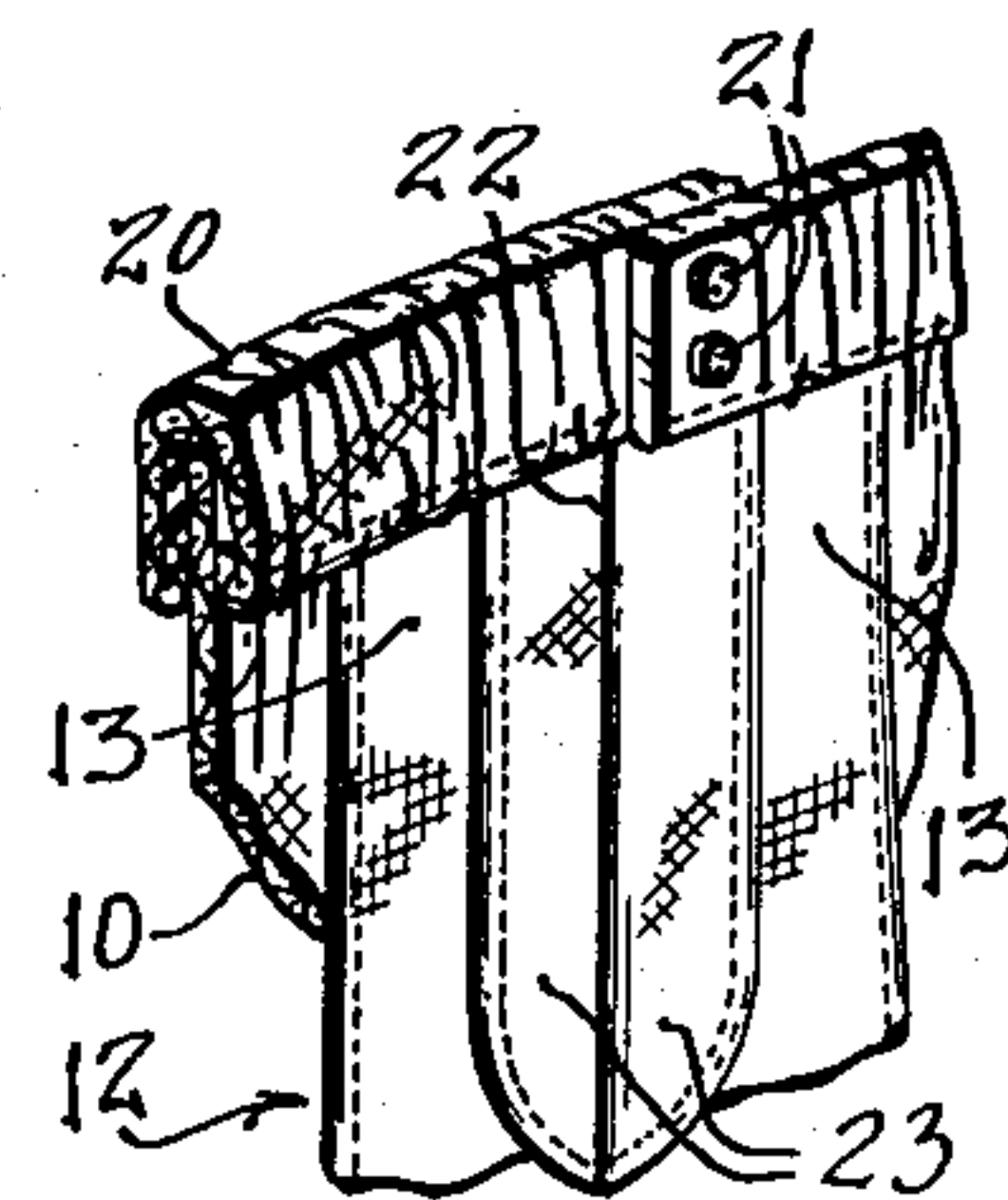


FIG. 5.

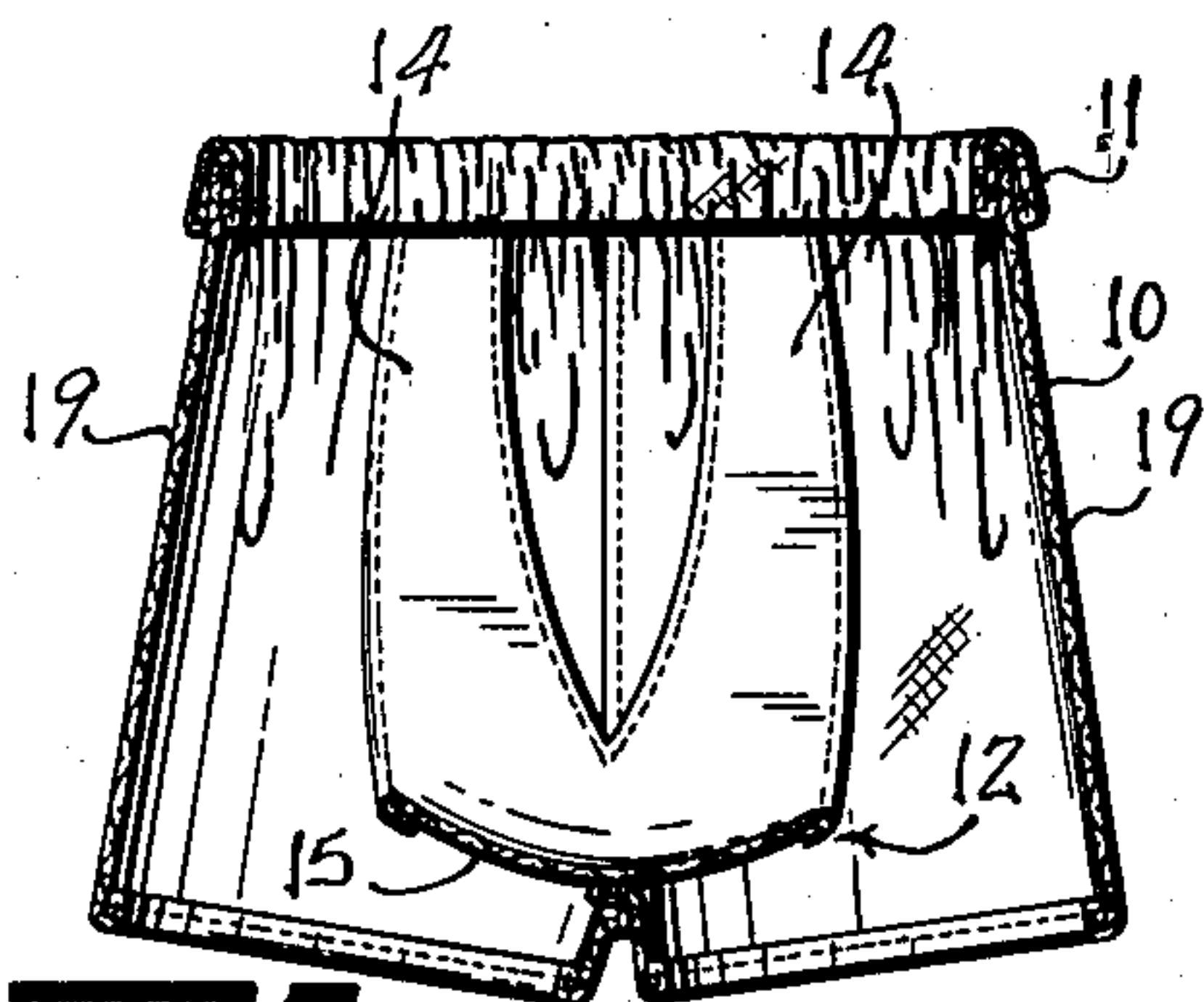


FIG. 6.

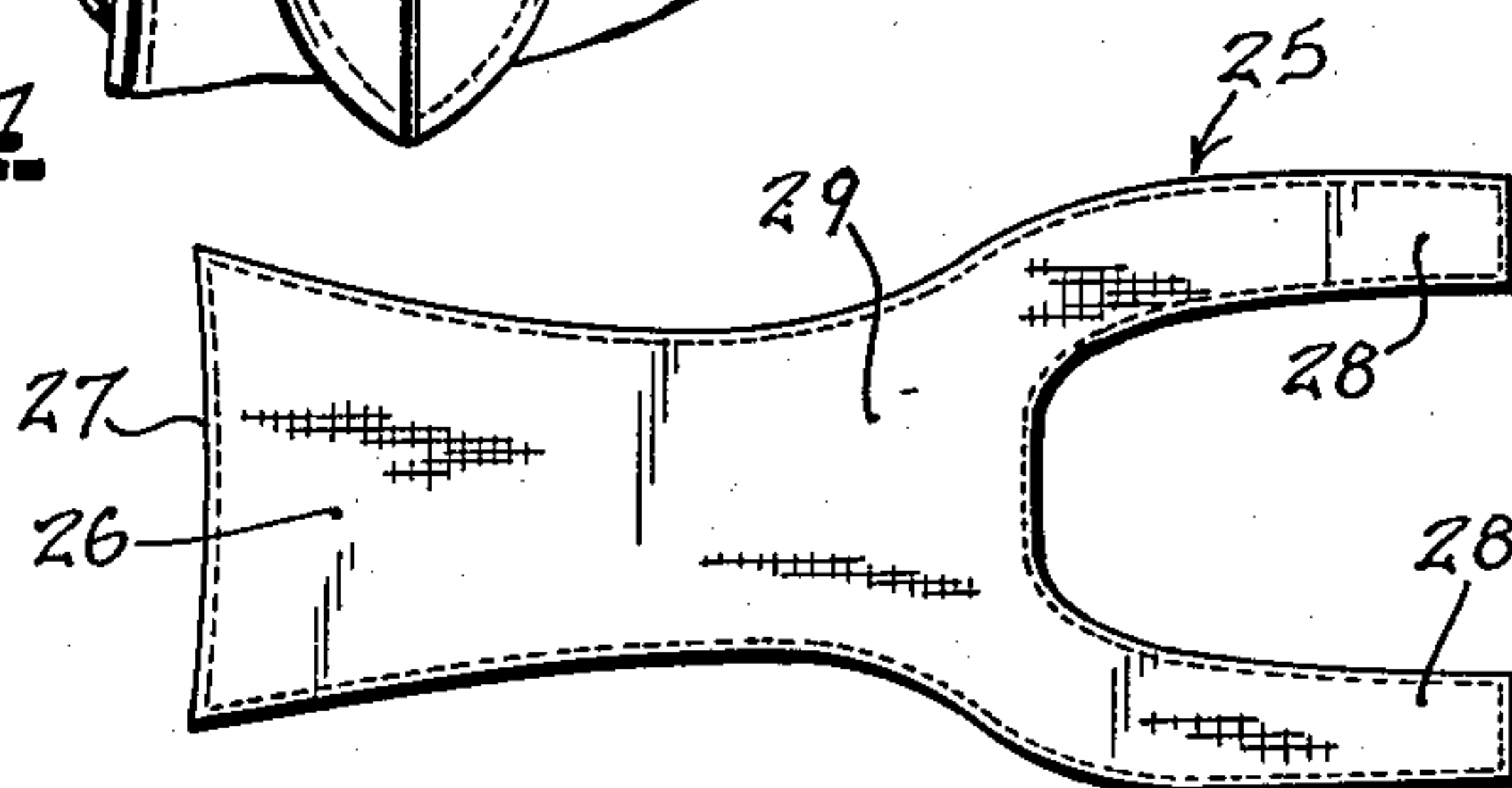


FIG. 7.

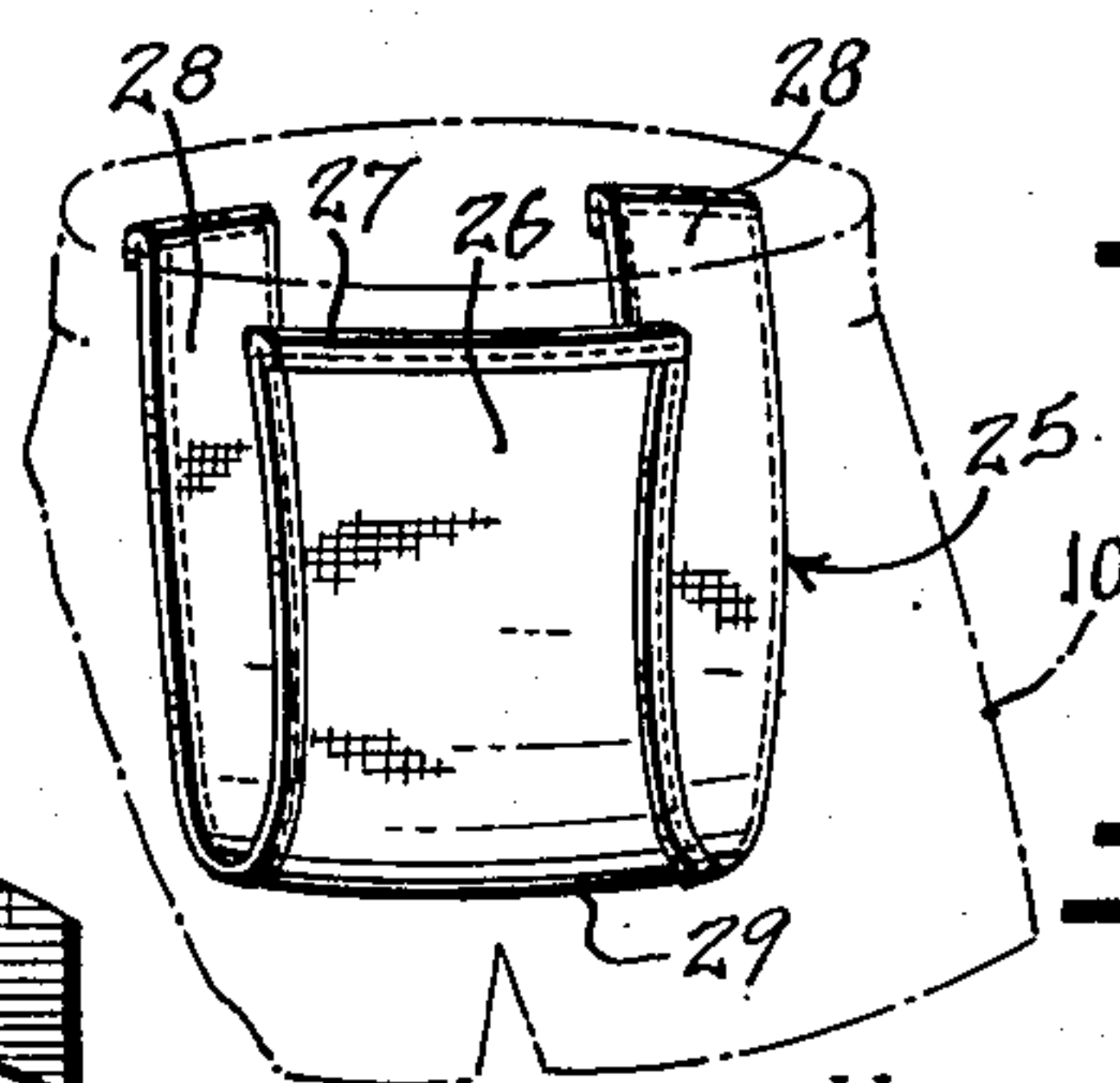


FIG. 8.

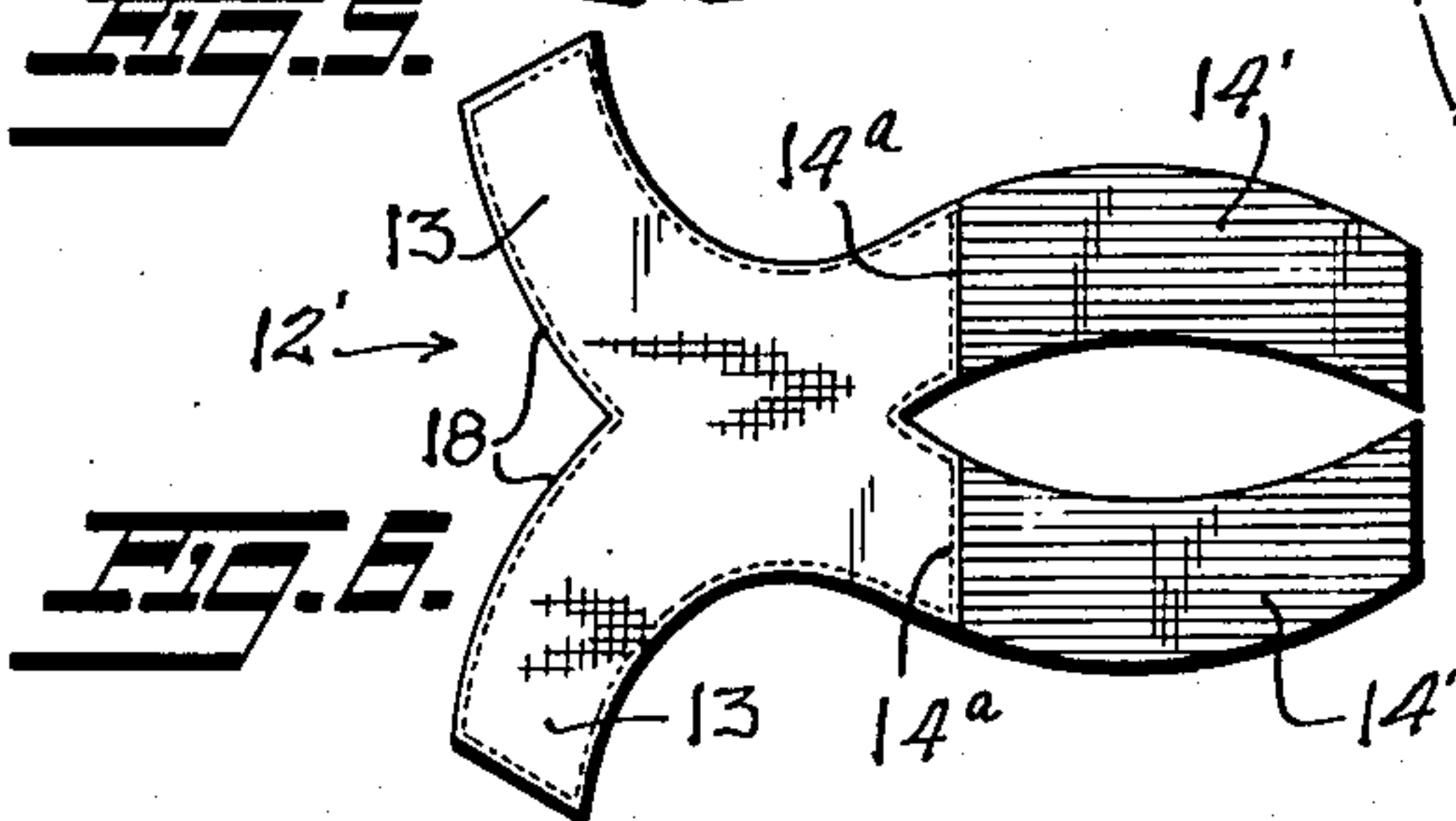


FIG. 9.

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SUSPENSORY SUPPORT FOR MEN'S GARMENTS

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2 Claims. (Cl. 128—159)

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This invention relates to new and useful improvements in a suspensory support as applied to men's garments; such as undershorts, pajama pants, swimming trunks and the like.

More particularly, the present invention proposes the formation of an improved suspensory support which is to be mounted in men's undergarments having freely openable fly areas, which suspensory support provides a pocket for receiving and supporting the depending portions of the male body, providing greater privacy and permitting the garment to be safely worn about the house and other semi-public places.

The present invention contemplates the provision of an undergarment of the shorts variety or a pair of pajama pants which ostensibly is the same as others of its type but which has a suspensory support incorporated therein.

The present invention further contemplates the provision of an undergarment of the shorts or pajama type having a suspensory support therein while also being provided with the ordinary frontal opening.

The present invention further contemplates the provision of athletic trunks and the like having a support incorporated therein while also being provided with a buttoned or similarly closed frontal opening.

For further comprehension of the invention, and of the objects and advantages thereof, reference will be had to the following description and accompanying drawings, and to the appended claims in which the various novel features of the invention are more particularly set forth.

In the accompanying drawings forming a material part of this disclosure:

Fig. 1 is a front view illustrating one embodiment of the present invention as applied to undershorts of the boxer type;

Fig. 2 is a plan view of the first embodiment of the suspensory support.

Fig. 3 is a vertical sectional view looking at the front of the garment to illustrate the manner in which the support is stitched to the inner face of the front portion of the garment;

Fig. 4 is a fragmentary detailed perspective view further illustrating the stitching of the support to the front portion;

Fig. 5 is a vertical sectional view looking at the rear of the garment to illustrate the manner in which the support is stitched to the inner face of the rear portion thereof;

Fig. 6 is a view similar to Fig. 2, but illustrating the suspensory support constructed in accordance with a modification of the present invention;

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Fig. 7 is a fragmentary detail view showing the support as applicable to and stitched to the front portion of gripper or button type undershorts;

Fig. 8 is a plan view of a further modification of the suspensory support;

Fig. 9 is a perspective and phantom view of a pair of swim trunks having incorporated therein the support embodiment of Fig. 8.

Referring first to the embodiment shown in Figs. 1 to 5, the garment provides a pair of undershorts 10 of the boxer type, that is, the type provided with an elastic waistband 11 and adapted to fit a wearer snugly above the hips and thereby held up. Incorporated in the said shorts 10 is a suspensory support 12 which may be formed of the same material as the shorts or of net or gauze-like fabric and, as best seen in Fig. 2, comprises a pair of front laterally extended arms 13, a pair of rear extension arms 14, and a support portion 15 disposed substantially midway between the said front and rear arms. It will also be seen in Fig. 2 that the marginal edges of the said suspensory support 12 are rolled and stitched to the support proper, which prevents the fraying of the net or gauze fabric at the edges thereof. The ends of the front and rear extension arms 13 and 14, respectively, in addition to being folded and sewn in the manner just described, are folded again and stitched to the support proper. This reinforces the said ends in order that they may be securely stitched to the said shorts 10 at the front and rear portions thereof.

With particular reference to Figs. 3 and 4, it is seen that the shorts 10 are provided with the usual vertical fly opening 16 in the front portion thereof. Said opening 16 has the side edges 17 thereof folded inwardly and are adapted to be stitched to the inside front portion of the shorts 10. However, prior to the stitching of the folded edges 17, the inner edges 18 of the aforementioned front extension arms 13 of the support 12 are inserted in said folded edges 17, and thereafter, both the inner edges 18 and the folded edges 17 are stitched to the front portion of the shorts 10. Also, the waistband 11 is formed of a strip of material folded lengthwise and has its ends stitched together in order to be circuitous, and is adapted to have inserted in its fold and stitched therein the upper edges of both the front and rear portions of the shorts 10. However, prior to the stitching of the waistband to the edge of the front portion of the shorts 10, the reinforced ends of the aforesaid front extension arms 13 are inserted in the folded waistband also; and a stitching operation thereafter secures

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the ends 13 and the waistband 11 to the said front portion.

Now, prior to the stitching of the upper edge of the rear portion of the shorts 10 in the waistband 11 (Fig. 5), the reinforced ends of the rear extension arms 14 are inserted in the waistband, each adjacent one of the side seams 19. A stitching operation thereafter stitches both the ends of the arms 14 and the upper edge of the rear portion of the shorts 10 in the folded waistband 11.

In the just described arrangement, the suspensory support 12 is firmly secured in the shorts 10, and the support portion 15 provides a pocket, see Figs. 3 and 5, for receiving and supporting the lower parts of the male body. The stitching of the inner edges 18 of the support, in addition to providing for the frontal opening 16, provides for a more adequate means of securing the said suspensory support to the front portion of the garment and shapes the support into the desired pocket.

In the modified form of the invention shown in Fig. 6, the rearwardly extended arms of the support 12' are formed to include elastic portions 14' which are stitched to the material of the support 12' slightly rearward of the support portion 15 by lines of stitches 14^a.

The elastic portions 14' in the rearwardly extended arms of the support 12' provide greater resiliency in the construction of the support and permit greater degree of body movement as well as adjustment of the support to different body contours and positions.

In other respects the form of the invention illustrated in Fig. 6 is similar to that shown in Figs. 1 to 5 and like reference numerals identify like parts in each of the several views.

While the supports 12 and 12' of the foregoing forms of the present invention are shown applied to a pair of undershorts of the boxer type, such disclosure is by way of illustration only as the supports are equally well adapted for application in pajama pants or other garments of masculine attire having freely openable fly areas.

As seen in Fig. 7 the support 12 is also applicable to the gripper or button-type of undershorts or to any similar garment, such as, playshorts, swim trunks, etc., which have a frontal opening adapted to be closed by snaps, buttons, zippers, etc. Herein, a waistband 20 is provided and formed by folding lengthwise a strip of material and is adapted to have stitched therein the upper edges of the front portion of the shorts 10. However, said waistband 20 is non-circuitous and is provided with grippers or buttons 21 for closing a frontal opening 22 in the said shorts 10. The side edges 23 of the opening 22 are folded inwardly, as in the first described arrangement. And, as also in the first arrangement the inner edges 18 of the support 12 are stitched under the folded side edges 23 of the opening 22 to the front portion of the shorts 10, and the ends of the extension arms 13 of the support 12 are stitched between the folded waistband 20 to the front portion of said shorts 10. In the present application of the support, the rear extension arms 14 are stitched at the rear of the shorts in the same manner as heretofore described with respect to the first application.

A further modification of the suspensory support 25 is seen in Fig. 8 and is formed of a net or gauze-like material also, and comprises a front extension 26 having an arcuate edge 27, a pair of rear extension arms 28, and a substantially central support portion 29. Here, as in the first

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embodiment, the marginal edges are folded and sewed to prevent fraying and the ends of the rear extension arms are reinforced by a double fold. The arcuate edge 27 is also doubly folded and sewed for reinforcing purposes.

This embodiment, as seen in Fig. 8, is particularly adaptable to some swimming trunks or any form of men's shorts which are not provided with frontal openings.

In a manner similar to that in which the ends of the front extension arms 13 of the first embodiment were stitched to the front portion of the shorts 10 between the folded waistband 11, the reinforced arcuate edge 27 of the present embodiment is stitched between a folded waistband to a front position of a pair of shorts or trunks. In an identical manner to that employed in the stitching of the ends of the rear extension arms 14 of the former embodiment to the rear portion of the shorts 10, the reinforced ends of the rear extension arms 28 of the present embodiment are stitched to the rear portion of a pair of trunks between a folded waistband and adjacent the side seams which conjoin the said front and rear trunk portions.

While I have illustrated and described the preferred embodiments of my invention, it is to be understood that I do not limit myself to the precise constructions herein disclosed and the right is reserved to all changes and modifications coming within the scope of the invention as defined in the appended claims.

Having thus described my invention, what I claim as new, and desire to secure by United States Letters Patent is:

1. A suspensory support mounted within a man's garment having a front portion including a fly opening, a back portion, a crotch area between the portions and a waistband, comprising a one-piece fabric member having an intermediate portion positioned within the crotch area, a pair of rear extension arms extended from the rear of said intermediate support portion and upward along the inner face of the back portion and secured at their top ends to the waistband, and a pair of outwardly flared front extension arms continuing from the front of said intermediate support portion, said front extension arms being drawn inward and projected substantially vertically within the inner face of the front portion on opposite sides of the fly opening to raise the outer sides of said intermediate support portion forming a pocket thereof, said front extension arms having their top ends secured to the waistband and their inner edges secured to the inner face of the front portion on opposite sides of the fly opening.

2. A suspensory support mounted within a man's garment having a front portion including a fly opening, a back portion, a crotch area between the portions and a waistband, comprising a one-piece fabric member having an intermediate portion positioned within the crotch area, a pair of rear extension arms extended from the rear of said intermediate support portion and upward along the inner face of the back portion and secured at their top ends to the waistband, and a pair of outwardly flared front extension arms continuing from the front of said intermediate support portion, said front extension arms being drawn inward and projected substantially vertically within the inner face of the front portion on opposite sides of the fly opening to raise the outer sides of said intermediate support portion forming a pocket thereof, said front exten-

sion arms having their top ends secured to the waistband and their inner edges secured to the inner face of the front portion on opposite sides of the fly opening, said rear extension arms being bowed inward toward one another.

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