April 2, 1929. W. KOPS 1,707,810

APPAREL GARMENT

Filed Jan. 27, 1928 2 Sheets-Sheet 1

Fig. 1.

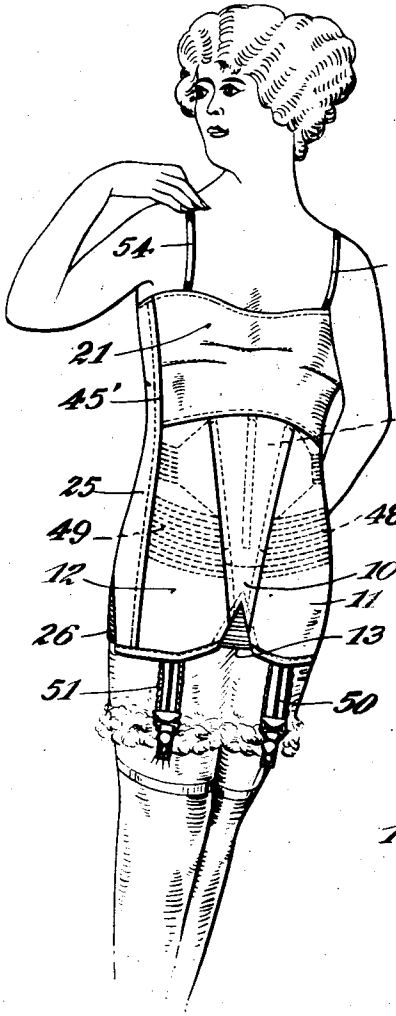
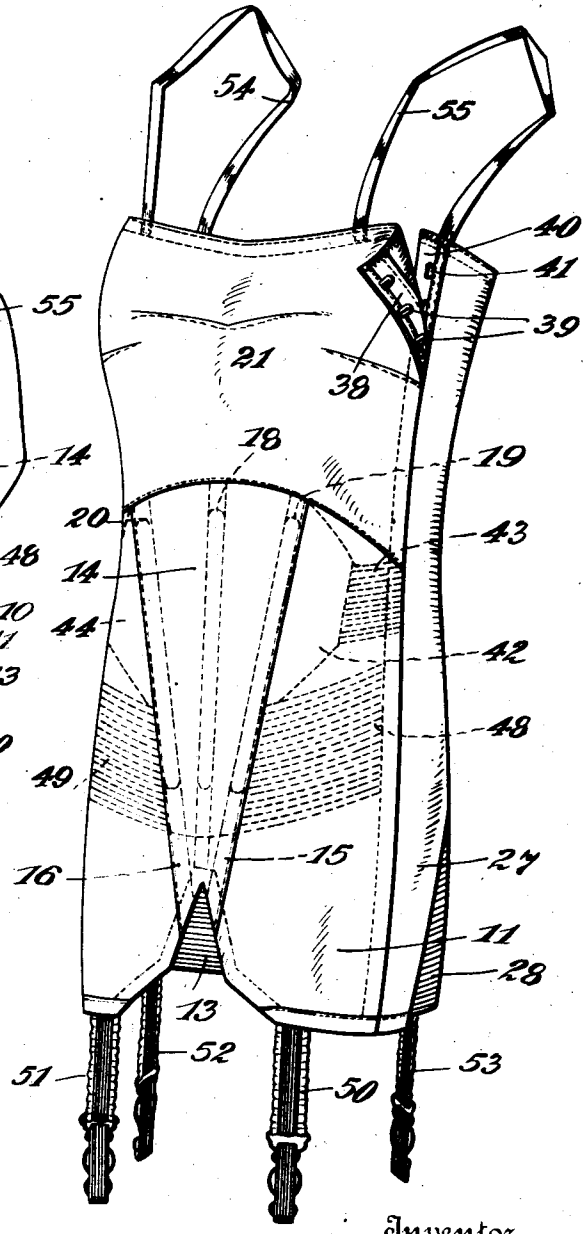


Fig. 2.



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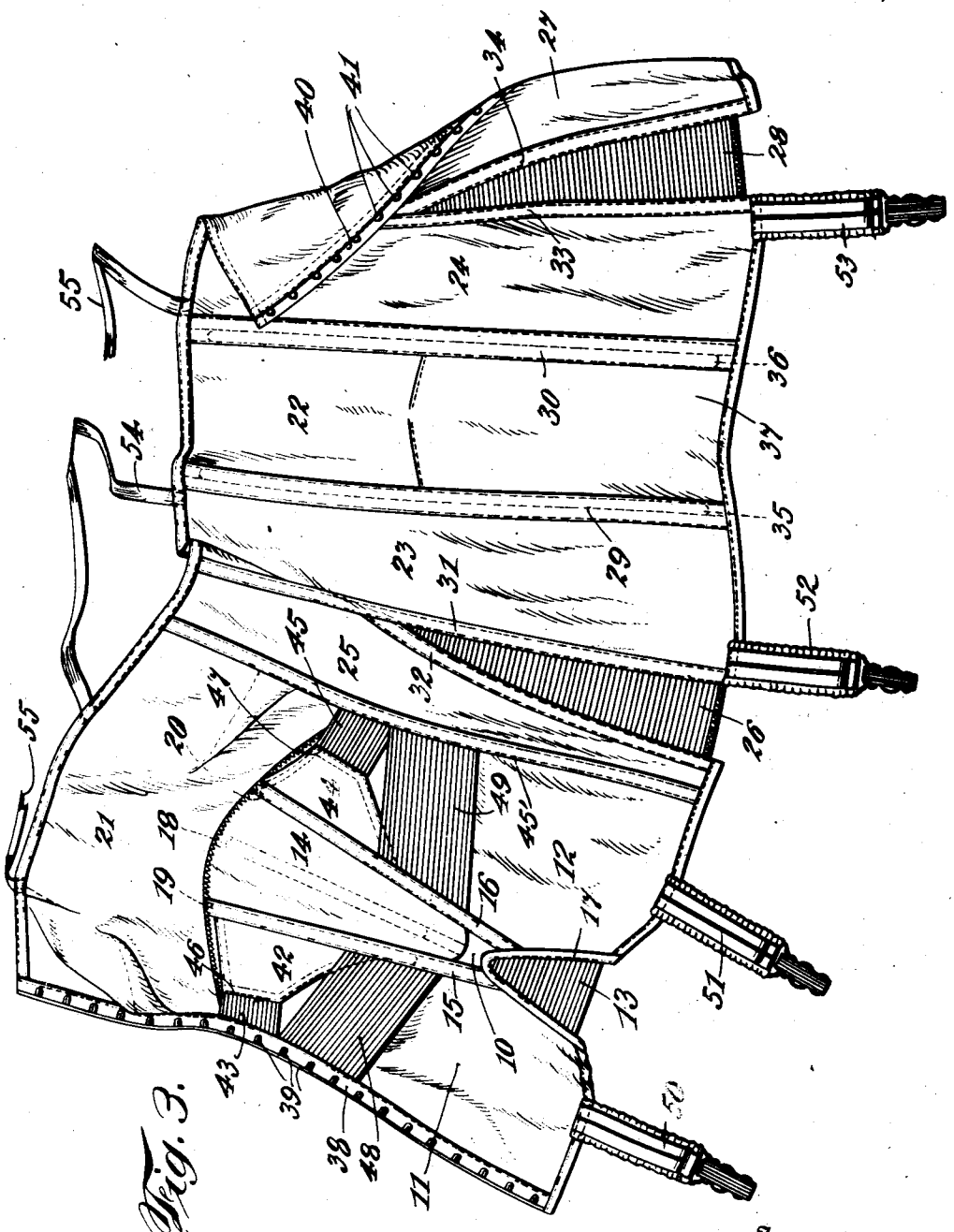


Fig. 3.

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UNITED STATES PATENT OFFICE.

WALDEMAR KOPS, OF NEW YORK, N. Y., ASSIGNOR TO KOPS BROS. INC., OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

APPAREL GARMENT.

Application filed January 27, 1928. Serial No. 249,784.

My present invention relates to an apparel garment and more particularly to that type of undergarment so constructed as to include a combined girdle and brassière having the parts adapted for connection at the side for adjustment to position on the body. The invention still more particularly relates to a construction of the front member of the garment by providing therein a diaphragm and abdominal control and support. To this end in carrying out the invention the garment includes a front member, a back member, and side members together with a part associated with the front member adapted to overlie the diaphragm and abdomen of the wearer and having associated therewith tension devices for co-acting with each other for producing a pressure over the diaphragm and a support for the abdomen, as will hereinafter more particularly described.

In the drawing Figure 1 is a perspective view illustrating the use of the garment made in accordance with this invention,

Fig. 2 is an enlarged elevation of the same, and

Fig. 3 is a plan looking at the inner side of the garment and showing the same in a flat position.

As hereinbefore stated, the garment made in accordance with this invention is constructed to include a front member, a back member, side members, the said members being suitably connected to each other and adapted to be secured in position on the body at the side thereof. As illustrated, the front member preferably includes a central section 10 which is substantially triangular in outline and has the opposite edges thereof diverging upwardly. The front member also includes lateral sections 11 and 12. In the lower central portion of the front member there is an elastic insert 13 and overlying and conforming with the greater portion of the central section 10 there is a liner member 14. The central section 10 and the liner member 14 are connected to the lateral section 11 by a reinforcing strip 15 and suitable lines of stitching. The central section 10 and the liner member 14 at their opposite edges are connected to the lateral section 12 by a reinforcing strip 16 and suitable lines of stitching. Also, as illustrated, the edges of the elastic insert 13 are connected to the central section 10 and the lateral sections 11 and 12 by a suitable binding 17 and the necessary lines of stitching, the binding 17 being continued to complete the lower edge of the front member of the garment. In the liner member 14 I may employ a centrally disposed stay 18 and in pockets provided therefor in the reinforcing strips 15 and 16 I may employ stays, as indicated at 19 and 20. The parts of the front member to which reference has been made are those which include the front member of the girdle portion of the garment. These may be continued upwardly by a brassière section 21 which at its lower edge is connected to the upper edges of the respective sections 10, 11 and 12, as hereinbefore described.

Also, as illustrated, the back member of the garment includes a central section 22 and lateral sections 23 and 24. The side members of the garment are preferably constructed to include a section of inelastic and also a section of elastic material, for example, the right hand side member comprises a section 25 of inelastic material and a section 26 of elastic material, whereas, the left hand side member includes a section 27 of inelastic material and a section 28 of elastic material. The sections 26 and 28 of elastic material are preferably gore shaped with the wider portions thereof in or adjacent to the lower edge of the garment, these sections tapering upwardly to substantially the waist line whereby in the lower portion of the garment there is provided a sufficient stretch and corresponding tension, both of which gradually decrease upwardly to approximately the waist section.

The back central section 22 is connected to the section 23 by a reinforcing strip 29 and suitable lines of stitching. The section 23 is connected to the sections 25 and 26 by a reinforcing strip 31 and the necessary lines of stitching, while that portion of the section 25 below the waist line is connected to the section 26 by a reinforcing strip 32 and suitable lines of stitching. In like manner the section 24 is connected to the sections 27 and 28 by a reinforcing strip 33 and suitable lines of stitching while that portion of the section 27 below the waist line is connected to the section 28 by a reinforcing strip 34 and the necessary lines of stitching. It will be understood that the back member and the side members, as described, extend from the upper to the lower edges of the garment and are constructed to form the parts of both the brassière and girdle members thereof. In pockets provided

therefor in the reinforcing strips 29 and 30 I may employ suitable stays 35 and 36. Furthermore in the lower portion of the back section 22 I may employ a liner member 37 which extends upwardly from the lower edge of the garment to a line appreciably below the waist line. Also, as illustrated, the free edge of the section 11 and the continuing edge of the section 21 are provided with a reinforcing strip 38 secured in spaced positions in which there are hooks 39. Similarly at the free edge of the section 27 on the left hand side member there is a reinforcing strip 40 in which there is secured a series of eyes 41. Each of the eyes 41 is adapted to be engaged by a hook 39 in securing the garment in position on the body at the side thereof.

As hereinbefore stated, in the front of the garment I employ devices for flattening the diaphragm and abdomen of the wearer and also for adequately supporting the abdomen. Together with the front member 10 and the liner member 14, as hereinbefore described, I employ strap members 42 and 44 together with elastic extensions thereof, 43 and 45. The strap member 42 is secured along one edge to the liner member 14 and the central section 10 and also to the lateral section 11 by the same reinforcing strip and lines of stitching which connect the parts referred to. This connected edge of the strap member 42 extends from the upper edge of the front member an appreciable distance downwardly and this strap member is otherwise not connected with the parts of the garment which overlie the same. The strap member 44 is similarly constructed and attached in a like manner to the central section 10, the liner member 14, and the section 12 by the reinforcing strip 16 and the lines of stitching for connecting these parts. The lower edges of these strap members 42 and 44 preferably diverge upwardly while the upper edges of these strap members may incline so as to approximately conform with the upper edges of the sections 11 and 12. The outer edge of the strap member 42 is connected to the elastic strap member 43 along the line of stitching indicated at 46 and the opposite edge of the elastic member 43 is secured to the section 11 by the same lines of stitching which connect the reinforcing strip 38 thereto. In the same way the outer edge of the strap member 44 is connected to the elastic member 45 by a line of stitching indicated at 47 and the opposite end of the elastic member 45 is secured to the section 12 of the front member of the section 25 of the right hand side member by a reinforcing strip 45′ and suitable lines of stitching, it being understood that the reinforcing strip 45′ extends from the upper to the lower edges of the garment and also secures the brassière section 21 to the side section 25. These parts, as will now be understood, co-operate with the front member to create a tension and consequently a pressure against the diaphragm and the abdomen to flatten and control the same.

In the front member of the garment I also employ elastic tension straps 48 and 49. At one end the strap 48 is secured in position by being connected to the reinforcing strip 15 by the lines of stitching which connect the central section 10, the liner member 14 and the lateral section 11, while at its opposite end this tension strap 48 is secured to the section 11 and the reinforcing strip 38 by the same lines of stitching that connect the reinforcing strip to the section 11. Other than these connections this tension strap is not secured to the overlying parts of the front member. In a similar manner the forward end of the tension strap 49 is secured in place by the reinforcing strip 16 and the lines of stitching which connect the same and the central section 10, the liner member 14 and the lateral section 12. At its opposite end this tension strap 49 is secured in place by the reinforcing strip 45′ and the lines of stitching which connect the same and the section 12 of the front member to the section 25 of the adjacent side member. Otherwise than as specified this tension strap 49 is not attached to the overlying parts of the front member. The tension straps 48 and 49 are preferably so placed as to incline upwardly and the lower edges thereof may be adapted to conform substantially with the groin line of the wearer so that co-acting with the central section 10 and its liner member 14 these tension straps function as an abdominal support.

The garment may also be fitted with suitable hose supporters. As illustrated, there are hose supporters 50 and 51 depending from the front member, and hose supporters 52 and 53 depending from the back member. The garment, as is customary, may also be fitted with suitable shoulder straps which are indicated at 54 and 55.

I claim as my invention:

1. In a garment of the type described, a front member including a central section of inelastic material, straps of inelastic material connected at their adjacent edges to the upper side edges of the said central section of the front member and extending laterally therefrom, elastic straps connected to the distant edges of the aforesaid straps and extending therefrom to the side edges of the front member to which the said elastic straps are attached, whereby the said elastic straps create a tension through the aforesaid straps and the upper portion of the central section of the front member to control the diaphragm and the upper portion of the abdomen of the wearer, elastic uplift straps having their adjacent ends connected to the lower side portions of the central section of the front member extending upwardly therefrom to the side edges of the front member to which they

are attached, the said uplift straps coacting with each other and the lower portions of the said central section to support the abdomen of the wearer, the upper front portions of the said uplift straps extending above the lower ends of the laterally extending straps whereby there is an overlapping effect of the tension created by the same and that created by the spaced elastic straps, and means for securing the garment in position on the body of the wearer.

2. In a garment of the type described, a front member comprising a central section and lateral sections, the central section having the side edges thereof diverging upwardly and connected to the adjacent edges of the lateral sections, the said central section being adapted to overlie the diaphragm and the abdomen of the wearer, straps of inelastic material secured to the upper side edge portions of the said central section of the front member and extending laterally therefrom an appreciable distance under the said lateral sections of the front member, elastic straps extending from the distant side edges of the said straps to the distant side edges of the lateral sections of the front member to which said tension straps are connected, the said tension straps extending in a slightly downward oblique direction for exerting a tension in the said laterally extending straps and the intermediate portion of the said central section of the front member for controlling the diaphragm and the upper portion of the abdomen of the wearer, uplift straps of elastic material connected at their adjacent edges to the lower side edge portions of the central section of the front member extending obliquely therefrom in an upward direction to the distant edges of the lateral sections of the front member to which they are connected, the said uplift straps being adapted to coact with each other and the intermediate portion of the central section of the front member for supporting the abdomen of the wearer, the uplift straps lying below the aforesaid tension straps and the upper forward portions of the uplift straps underlying the lower portions of the laterally extending straps whereby there is an overlapping of the tensions created by the uplift straps and the aforesaid elastic straps, and means for connecting the garment in position on the body of the wearer.

3. In a garment of the type described, a front member comprising a central section and lateral sections, the side edges of the central section diverging upwardly and connected to the adjacent edges of the lateral sections, the central section being adapted to overlie the diaphragm and the abdomen of the wearer, a liner member connected to and coextensive with the central section of the front member, straps of inelastic material connected at their adjacent side edges to the upper side edge portions of the central section of the front member and the liner member therefor and extending laterally therefrom, tension straps secured at their adjacent ends to the said laterally extending straps and at their distant ends to the distant side edge portions of the lateral sections of the front member, the said tension straps extending downwardly in a slightly oblique direction and being adapted to exert a tension in the said laterally extending straps and the intermediate portions of the central section of the front member and its liner member to control the diaphragm and the upper portion of the abdomen of the wearer, uplift straps of elastic material connected at their adjacent side edges to the lower side edge portions of the central section of the front member and the liner member therefor, extending therefrom in a slightly oblique direction upwardly to and connected in the side edge portions of the lateral sections of the front member, the said uplift straps being adapted to support the abdomen of the wearer, the upper front portions of the said uplift straps extending above the lower portions of the said laterally extending straps whereby the tensions exerted by the same and the elastic straps are slightly overlapping, and means for connecting the garment in position on the body of the wearer.

Signed by me this 7th day of January, 1928.

WALDEMAR KOPS.