May 1, 1928. 1,667,989

A. ROCKE

REDUCING AND SUPPORTING BAND

Filed May 11, 1925

Fig. 1.

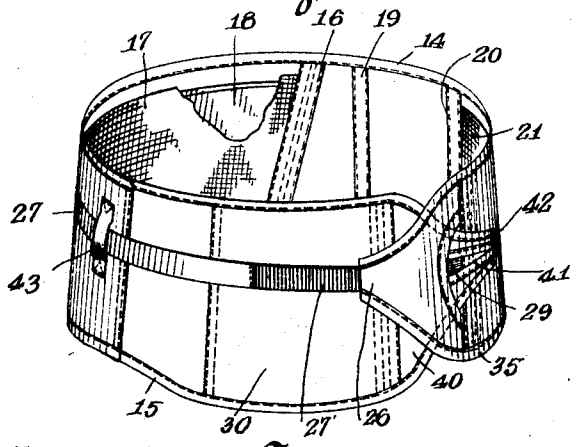


Fig. 2.

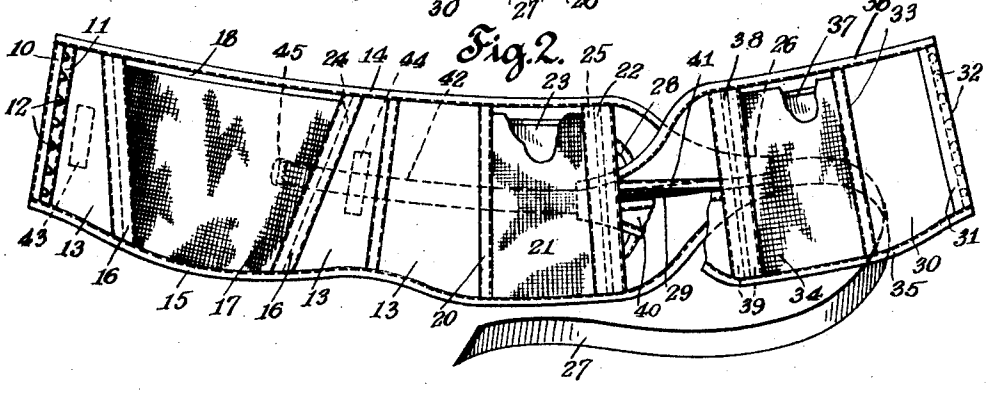
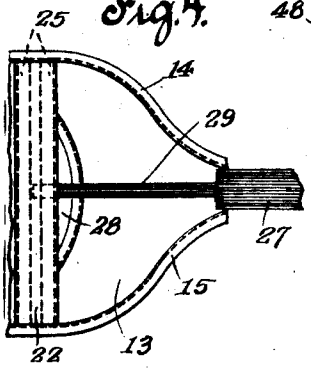


Fig. 4.



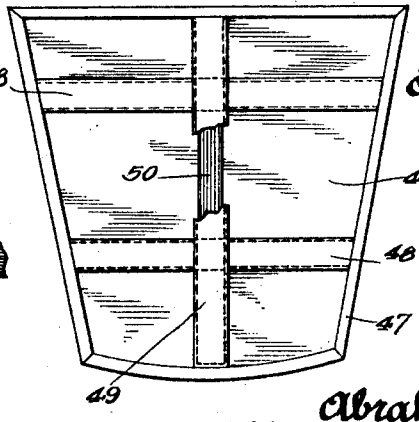


Fig. 3.

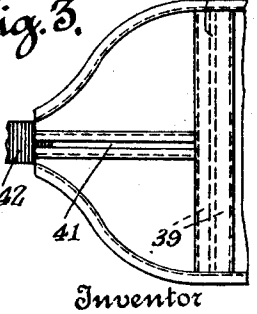


Fig. 5.



Inventor

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By his Attorney

Fred Freeman

Patented May 1, 1928. 1,667,989

UNITED STATES PATENT OFFICE.

ABRAHAM ROCKE, OF NEW YORK, N. Y.

REDUCING AND SUPPORTING BAND.

Application filed May 11, 1925. Serial No. 29,284.

This invention relates to improvements in girdles for supporting the abdomen, particularly when in an obese condition, and has as one of its objects to provide a band of peculiar structure adapted to retain the abdomen in an uplifted healthful position.

A further feature is in the provision of removable rubber inserts in the band which permit washing and thoroughly cleansing the band at any convenient time.

It is another purpose of the invention to produce a band free from lacings, having no openings in the back and provided with rubber inserts in the front and sides adapted to promote perspiration and stimulate elimination of bodily wastes.

These and other like objects, which will become more fully apparent as the description progresses, are accomplished by the novel construction and combination of parts hereinafter described and shown in the accompanying drawing, forming a part of this disclosure, and in which:

Figure 1 is a perspective view of the girdle as made in accordance with the invention, partly broken away to show the construction.

Figure 2 is a plan view showing the girdle extended at length, looking from the inner side thereof.

Figure 3 is a plan view showing a modified type of interchangeable insert, drawn to an enlarged scale.

Figure 4 is a fragmentary plan view showing a detail of construction.

Figure 5 is a fragmentary plan view showing a further detail of construction.

As shown in the drawing, the band or girdle is composed of two main elements, the longer of which has at its outer end a transverse strip 10 on its inner side, carrying an additional strip 11 to which is secured a plurality of hooks 12 arranged at uniformly spaced intervals.

These strips are secured to a single thickness of strong inelastic but flexible woven textile fabric 13, such as coutil, cut to present a substantially straight upper edge bound throughout its length with a tape 14, a similar tape 15 binding the undulating lower edge.

A pair of strips 16, converging towards the lower edge of the girdle are used to secure the side edges of a twilled canvas or other meshed cloth panel 17, held at its lower edge by the binding 15 and open at its top to constitute a pocket receptive of a sheet of soft rubber 18, disposed when adjusted on a person, to cover the stomach.

Further along on the girdle is a vertical strip 19 and still further from the hook carrying end is another strip 20 securing one edge of another or meshed cloth panel 21, its bottom edge being held by the binding 15, and its opposite side edge by a strip 22 of double width, providing a pocket for a rubber insert 23, enterable from the open upper end.

The strips 16 are centrally seamed and their outer elements may receive stays 24, such as strips of whalebone or thin spring metal, and the strip 22 is also seamed to receive similar stays 25.

The bound material 13 has its upper and lower edges curved convergingly from the strip 22, to form an extension 26 to which is attached a strap 27, terminating the main element of the girdle, an elastic element 27′ being interposed between the strap 27 and the extension 26.

An arcuate opening 28 is formed in the material beyond the strip 22, and fixed to the strip is a tape 29 passing centrally through the opening and secured to the material therebeyond to the juncture of the strap 27.

The shorter element of the girdle consists of a similar piece of material 30, having a strip 31 at its outer edge acting as a flap or cover over the eyes 32, engageable with the hooks 12 of the main element when in adjusted position.

A vertical strip 33 serves to connect one edge of a pocket panel 34, closed at the bottom by the binding 35 and open at the upper end, adjacent the binding 36 to receive a sheet of rubber 37 alike in all respects to the sheet 23.

The opposite edge of the panel is held by a double strip 38 centrally seamed to hold stays 39 as before described, and extending therefrom is a convergingly curved narrowed element 40 having a central bound slit 41, through which the tape 29 passes, the end of the element 40 passing through the opening 28 and terminating in a strap 42.

On the outside of the main element are loops respectively 43 and 44, the first loop serving to guide the strap 27, and the other, the corresponding strap 42, the same being furnished with a buckle 45 to adjustably secure the strap 27 thereto.

When the girdle is worn the back of the wearer is entirely covered it being understood that the reduced ends of each element lap each other and thus present no openings through the girdle. The tape 29 serves as a reinforcement for the portion having the arcuate slot 28 and by taking up the strain on the medial line, prevents distortion of the girdle when worn and causes it to lay flat and smoothly and to take the contour of the body of the wearer without curling, etc. This tape 29 also serves to retain the longer and shorter elements of the girdle from separating when not worn.

As shown in Fig. 3, a shield shaped element 46 composed of textile fabric may be substituted for the rubber element 18, the shield having an encircling binding 47 and being provided with both horizontal and vertical sheaths 48 and 49 to receive stiffners or stays 50 adapted to more firmly support the stomach, when a support only is required.

It will be understood that the action of the rubber, through the interstices of the canvas fabric disposed directly on the body, is such as to cause perspiration and reduce excessive adipose tissue without damage to the health of the wearer, and as the rubber inserts are readily removable or replaceable, the entire girdle can be laundered as often as required.

Although the foregoing is descriptive of the preferred embodiment of the invention, it will be apparent that the invention may likewise be embodied in corsets, brassières or like garments and that minor changes may be made in its construction without the exercise of invention or conflicting with the scope of the claims hereto appended.

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

1. A girdle comprising two elements, relatively long and short, both being reduced in width at one end, the longer element having an opening adjacent its reduced end through which the reduced end of the shorter element is passed, means to prevent separation of said reduced ends, means on the opposite ends of said elements for cooperative engagement, straps extending from the reduced ends, and means for adjusting the operative length of said straps.

2. A girdle comprising two elements relatively long and short, one end of each being reduced in width, the reduced end of the shorter element passing through an opening in the longer element and containing a slit, a tape secured at its ends over the opening in the longer element and passed through the mentioned slit in the shorter element, cooperative fasteners on the opposite ends of each member, and adjustable straps extending from the reduced ends of said members.

Signed at New York, in the county of New York and State of New York this 2nd day of April 1925.

ABRAHAM ROCKE.