

Aug. 26, 1930.

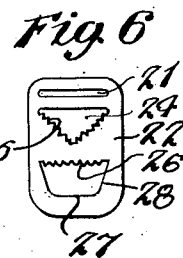
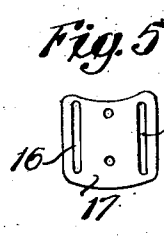
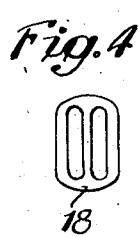
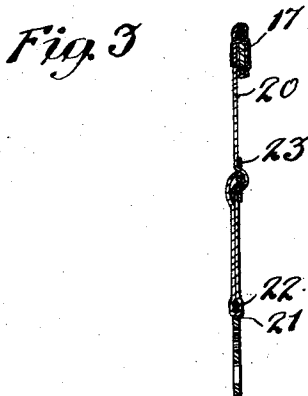
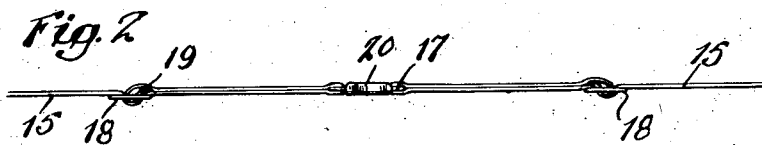
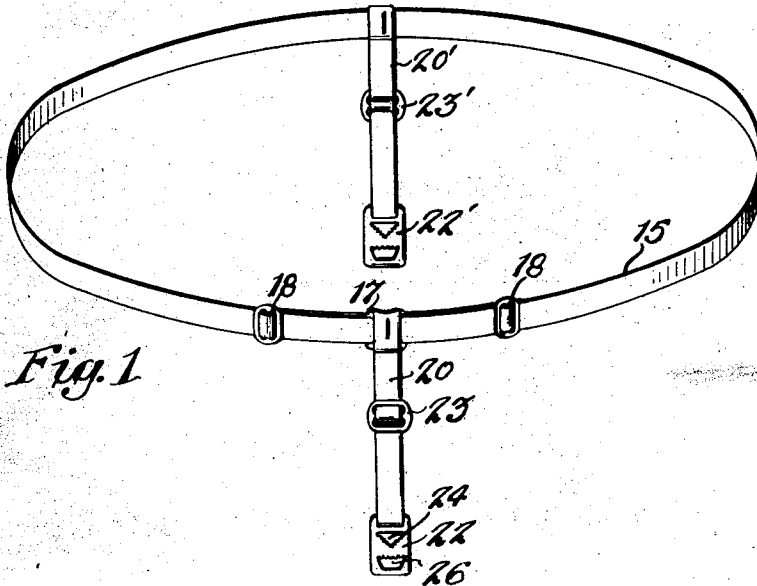
E. SHEA

1,773,880

SANITARY BELT

Filed May 31, 1927

2 Sheets-Sheet 1



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2 Sheets-Sheet 2

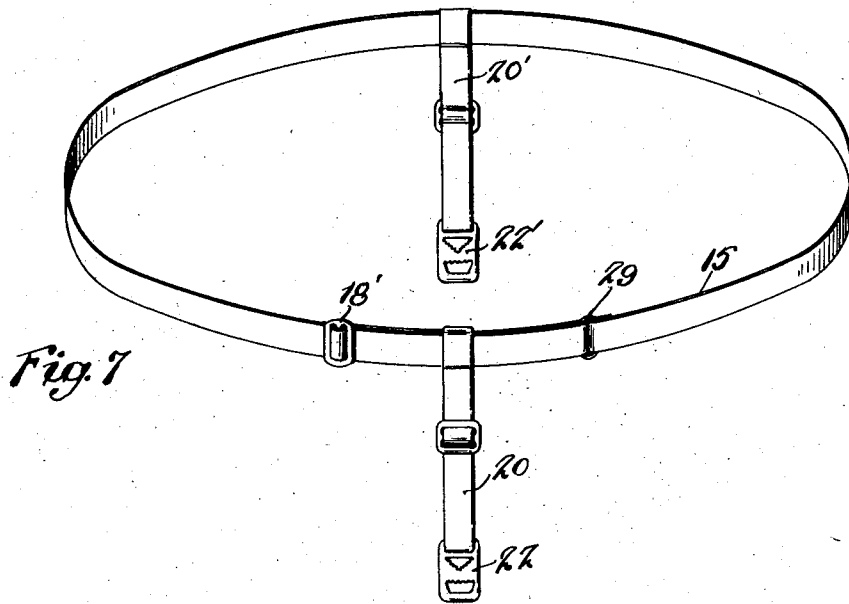


Fig. 8

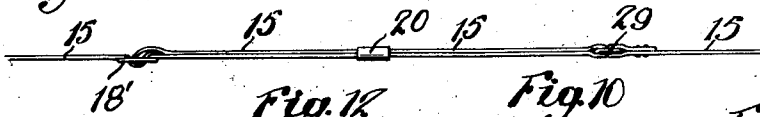


Fig. 9



Fig. 12

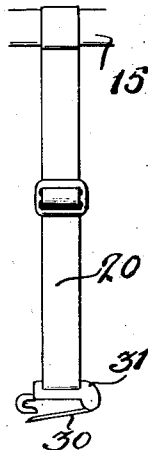


Fig. 10

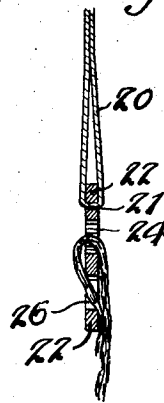


Fig. 11

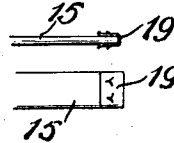
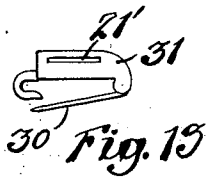


Fig. 14



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UNITED STATES PATENT OFFICE

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SANITARY BELT

Application filed May 31, 1927. Serial No. 195,488.

My invention relates to improvements in belts of the type used to support sanitary napkins and the like.

An important object of my invention is the provision of a device of the above mentioned character which will be comfortable to wear, adjustable for different sizes and conditions and having a positive and simple grip.

A further object of my invention is the provision of a device of this character which is particularly adapted for use with the new style of gauze or knit end pads, which is cool, and which is designed to prevent objectionable side sagging.

Another object of my invention is to provide a device of this character which will be inexpensive to manufacture and convenient to use.

Other objects and advantages of my invention will be apparent from the following description.

In the accompanying drawings which form a part of this specification and wherein like characters of reference denote like or corresponding parts throughout the same.

Figure 1 is a perspective view of a belt embodying my invention,

Figure 2 is a plan view of the front portion thereof,

Figure 3 is a vertical sectional view taken through the front strap or tab,

Figure 4 is a detail elevation of one of the belt slides,

Figure 5 is a similar view of the connecting member,

Figure 6 is a similar view of my improved grip,

Figure 7 is a perspective view of a modified form of belt,

Figure 8 is a plan view of the front portion thereof,

Figure 9 is a detail section through the portion of the rear strap or tab surrounding the belt,

Figure 10 is a detail showing the operation of the grip,

Figure 11 is a detail of the belt ends,

Figure 12 is an elevation of one of the

straps showing a modified form of gripping means,

Figure 13 is a detail of the modified grip, and,

Figure 14 is a detail perspective of a modified form of slide.

In the drawings wherein for the purpose of illustration is shown a preferred embodiment of my invention the numeral 15 designates a belt of elastic or other suitable material and of relatively narrow width. The ends of the belt are threaded through vertically arranged slots 16 in a connecting member 17, of bone, metal or the like, and are looped and secured to the center bars of slides 18 arranged on the belt. The ends of the belt may be secured to the slide in any suitable manner, but are preferably provided with metal tips 19 which prevent the ends from slipping out of the slide 18.

It will be seen, that the belt may be adjusted by moving the slides 18 thereby lengthening or shortening the belt.

A strap or tab 20, corresponding in width and material to the belt 15 is looped about the connecting member 17 and secured thereto in any suitable manner. The strap 20 depends from the belt passing through a slot 21 in the end of a grip 22 and is doubled upon itself and secured to the center bar of a slide 23 arranged on the strap and corresponding to the slides 18. It will be seen that the length of the strap 20 may be varied by moving the slide 23.

The grip 22 is formed of bone, composition ivory, or any other suitable material and is provided directly below the slot 21 with a triangular opening 24, the inclined sides of which are inclined downwardly and provided with teeth or other serrations 25.

An opening 26 is spaced below the opening 24 and has a serrated upper side 26, a lower side 27 arranged in parallel relation therewith, and downwardly inclined sides 28.

The rear of the belt is provided with a strap 20' similar to the strap 20 and provided with the slide 23', and grip 22' corresponding to the elements 23 and 22.

It will be seen that by reason of the two adjusting slides 18, adjustment of the belt

may be effected without moving the straps 20' and 20' off center.

In the modification shown in Figure 7, in place of the two slides 18, one of the slides is replaced by a loop 29 which is secured to one end of the belt, the other end of the belt passing through the loop and being doubled back upon itself and secured to the slide 18', arranged as is the slide 18 in Figure 1.

The strap 20 is looped about the two thicknesses of the belt between the loop 29 and slide 18', and may be moved with respect to the belt.

The rear strap 20' is looped about the belt and is also free to slide on the belt. After the belt has been adjusted to the proper size, the straps may be moved to the center.

Figure 10 illustrates the method of threading the ends of the sanitary pad through the openings in the grip, the teeth or serrations 25 and 26, securely grasping the pad.

In Figures 12 and 13 a modified form of grip is shown which comprises a small safety pin 30 having a flange 31 on its back with a slot 21' to receive the strap 20.

Figure 14 shows a modified form of slide which does not require the use of the metal tip 19 shown in Figure 11. In this form of slide a flange 32 is punched out of the slide and bent back across the center of the slide as shown, the flange being provided with projecting teeth 33 to engage the end of the belt or straps and prevent it from pulling through the slide.

It will be seen that I have provided a sanitary napkin support which is dainty, comfortable to wear and easily used. The belt is made of narrow elastic which does not tend to wrinkle and bind, as does wide elastic, and the entire belt may be assembled, if desired, without sewing.

The new grip is always attached to the support, and the necessity for pinning is consequently entirely obviated. This grip securely holds the pad, but can be quickly and easily released therefrom, and the pad never comes into contact with any portion of the supporting belt.

The various adjustments make allowance for all conditions, and manufacturers need not be bothered with handling various sizes of belts.

While I have shown and described the preferred embodiment of my invention, it is to be understood that various changes in the size, shape and arrangements of parts may be resorted to without departing from the spirit of my invention or the scope of the subjoined claim.

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

A pad grip comprising a flat member having a substantially triangular opening therein, the inclined lower edges of said opening

being serrated, and a second opening arranged below the first named opening and having its upper edge serrated.

In testimony whereof I affix my signature.

EMILY SHEA.