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I. M. BROWN

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SANITARY PROTECTOR FOR TROUSERS

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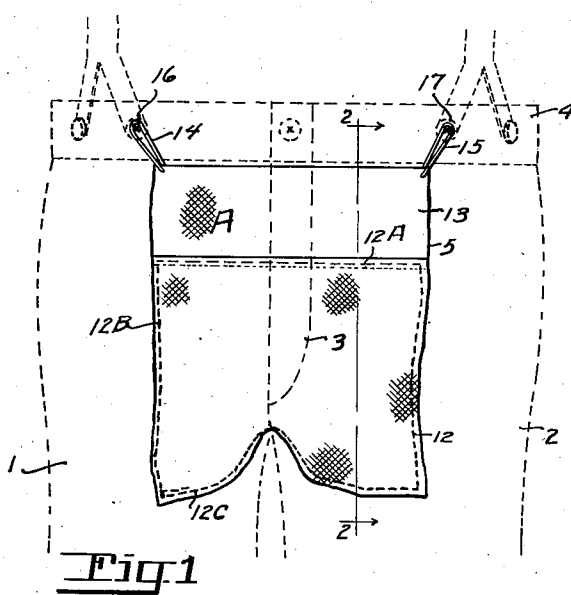
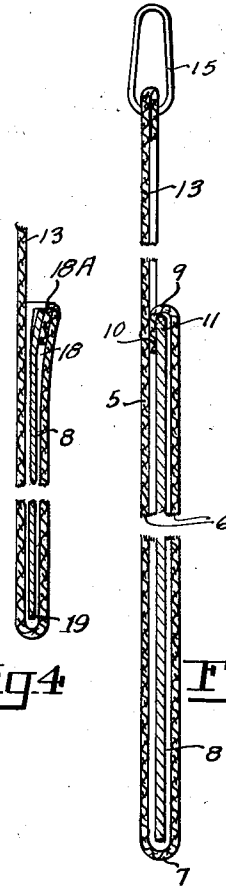
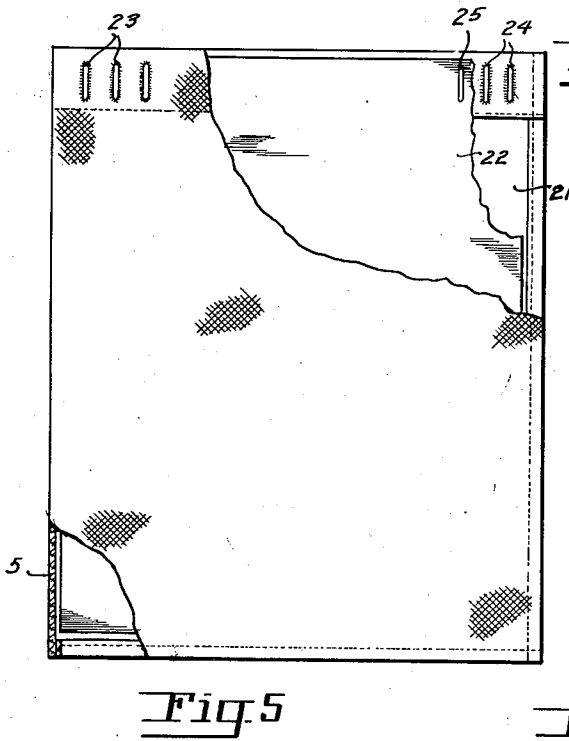


Fig. 4

Fig. 2

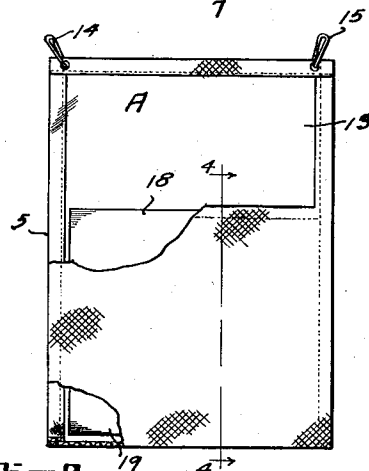


Fig. 3

INVENTOR

I. M. Brown

UNITED STATES PATENT OFFICE

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SANITARY PROTECTOR FOR TROUSERS

Ina M. Brown, Vancouver, Wash.

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1 Claim. (Cl. 2—231)

This invention relates to protectors for trousers and particularly to removable sanitary protectors adapted to fit under the crotch of trousers.

Investigation has shown that some men are unable to retain their urinary secretion. As a result of this involuntary urinal leakage, the cloth of the trousers surrounding the trousers legs and the crotch is discolored and oftentimes permanently stained. A person so afflicted is oftentimes embarrassed by these tell-tale spots formed in the cloth. Furthermore, the chemicals in the secretion have a deleterious effect upon and oftentimes prematurely destroys the cloth around the fly and crotch.

The main object of this invention, therefore, is to provide sanitary means for protecting the trousers surrounding the fly and crotch portion thereof in order to prevent the staining and discoloration of the cloth of the trousers.

Another important object of the invention is to provide means for eliminating the unsanitary condition resulting from the affliction heretofore referred to.

Still another object of the invention is to provide a trousers protector which prevents the permanent staining and discoloration of the cloth, which eliminates wet spots, which prevents the premature destruction of the cloth, which eliminates the necessity of frequent cleaning, thus prolonging the life of the trousers and, above all, which insures the wearer thereof of freedom from embarrassment because of his affliction.

A further object of the invention is to provide a protector for trousers which is completely concealed, comfortable to wear, easy to secure and detach, does not require any alteration in the garment with which it is associated, does not interfere with the normal construction and use of the trousers, is simple in construction, inexpensive to manufacture, and is capable of being itself easily cleaned and maintained in a sanitary condition.

These and other advantages will become apparent from, and a complete understanding of the invention and its merits may be had by, referring to the following description and the accompanying drawing which is illustrative of the manner by which the invention may be carried into effect.

In the drawing:

Figure 1 is a front elevation of the article embodying the principles of my invention shown connected to the suspender buttons on the inside of the waist band of a trousers.

Figure 2 is a sectional, side view taken on line

2—2 of Figure 1 looking in the direction indicated, showing the details of construction of the article embodying the principles of my invention.

Figure 3 is a front elevation, partially broken away, of the article embodying the principles of my invention showing a slightly modified form of construction.

Figure 4 is a sectional, side view taken on line 4—4 of Figure 3 looking in the direction indicated, showing the details of construction of the article as illustrated in Figure 3.

Figure 5 is a front elevation, partially broken away, of still another article embodying the principles of my invention, showing another slightly modified form of construction.

Like reference characters are employed to designate identical parts throughout the several views of the drawing.

In Figure 1 is a fanciful representation, in dotted line, of a trousers having trousers legs 1 and 2, fly 3 and waist band 4, each possessing the structural characteristics well known in trouser construction. Shown in operative position is the article embodying the preferred form of construction and embodying the principles of my invention and designated generally by reference character A. The details of construction of the article embodying the principles of my invention may best be seen in Figure 2, wherein reference character 5 designates a textile fabric possessing absorbent qualities, such as silk gauze. Fabric 5 is partially folded upon itself in complementary relationship, as shown at 6, the fold being shown at 7, thus forming a pocket into which a liquid proof flexible member 8, such as a rubberized material is inserted. The complementary portion 6 of the fabric is again folded upon itself, as shown at 9, the fold being shown at 10, and surrounds the top portion 11 of member 8. When the fabric 5 and member 8 is thus assembled, the preferred form of construction contemplates that they be completely stitched together in the manner best illustrated at 12, 12A, 12B and 12C, in Figure 1.

It may be seen in both Figures 1 and 2 that, in partially folding the fabric 5 upon itself to form the pocket into which member 8 is inserted, the upper portion of fabric 5 is free and forms an apron 13. Secured to apron 13, in any desirable manner, are a pair of resilient loops 14 and 15. These loops are capable of attachment to suspender buttons 16 and 17 respectively, shown in dotted line in Figure 1. Other modes of removably securing the article to the trousers may be utilized as will be pointed out later, but prefer-

ence is given to this method because of its simplicity of construction and ease of application.

It will be seen from Figure 1 that, when the article embodying the principles of my invention is secured in position to the suspender buttons secured on waist band 4, a substantial portion of each trousers leg 1 and 2 and fly 3 is protected by the fabric 5 and member 8.

In Figures 3 and 4 is shown a slightly modified type of construction possessing substantially all of the characteristics of construction heretofore set out in detail in describing Figures 1 and 2, except that, instead of completely sewing the member 8 between the folded fabric 5, the end 18 is sewn to the folded fabric, as shown at 18A, and neither the end 19 nor the sides of member 8 are sewn to any of the fabric. Thus it will be seen, especially when examining Figure 4, that an open pocket is formed which permits the insertion therein of any substance necessary for special treatment of an afflicted person. Furthermore, it permits the cleaning of the member 8, whenever it is desired to do so without cleaning the rest of the article.

In Figure 5 is shown still another modified construction embodying the principles of my invention wherein fabric 5 is fully folded upon itself, as shown at 20 to form a pocket 21 into which a liquid proof member 22 may be inserted. This member 22 is in no way secured to fabric 5 and may be completely removed from the pocket at any time desired. A plurality of preformed buttonholes are formed within the fabric 5, as shown at 23 and 24 and coinciding buttonholes 25 are formed within the member 22. These

buttonholes permit the attachment of the assembled article to the suspender buttons, as shown at 16 and 17 of Figure 1; and, in view of the number of preformed buttonholes, adjustability within a limited range is provided for the easy attachment of the article to these buttons.

While the figures in the drawing illustrate the preferred and two modified embodiments of the invention, it is to be understood that in adapting the means to meet specific needs, the design may be changed without departing from the spirit of the invention. I, therefore, do not limit myself to the precise construction illustrated and described but consider that I am at liberty to claim as my own all such changes and alterations as fairly come within the scope of the appended claim.

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

A sanitary protector for a trousers comprising a rectangular body portion of absorbent textile material, partially folded upon itself to form a pocket, a flexible liquid proof rubberized member inserted within and fixedly disposed between the folded portions and adapted to cover a portion of the front of each trousers leg and crotch, and a pair of resilient fastening members secured to the upper corners of the body portion for detachably securing said rectangular body portion to the suspender buttons on the waist band of said trousers to thereby provide protection to the legs, fly, and crotch of the trousers.

INA M. BROWN.