C. E. DUDLEY.

CATAMENIAL SACK.

APPLICATION FILED OCT. 3, 1917.

1,288,848.

Patented Dec. 24, 1918.

2 SHEETS—SHEET 1.

Fig. 1.

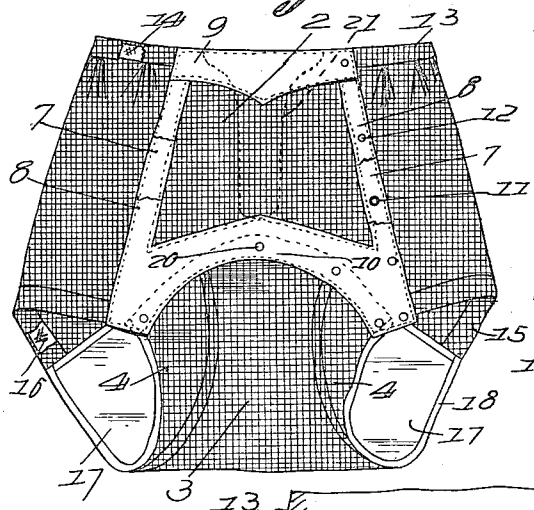


Fig. 2.

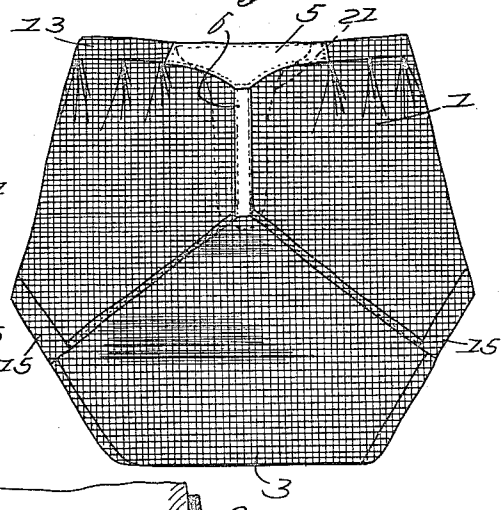
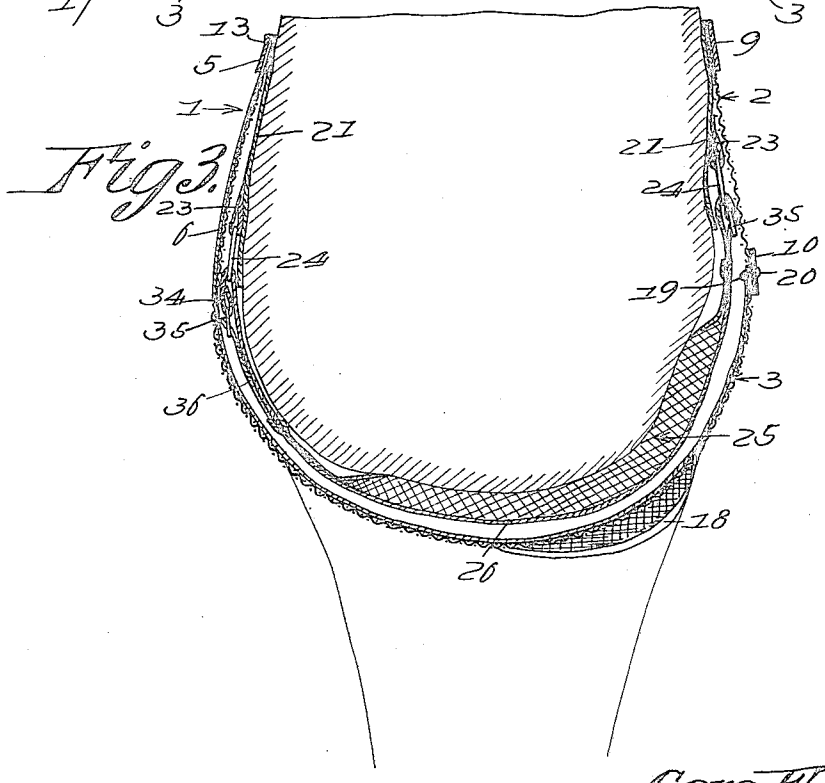


Fig. 3.



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2 SHEETS—SHEET 2.

Fig. 4.

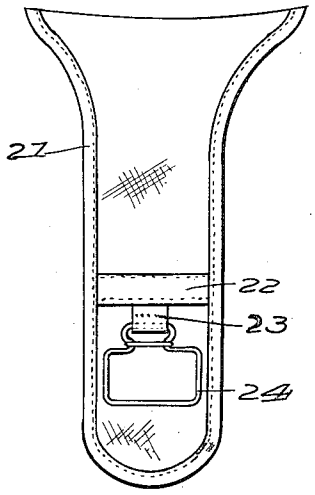


Fig. 5.

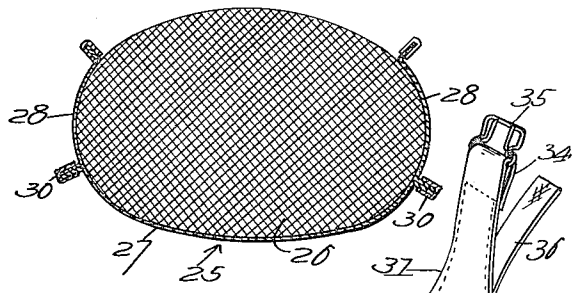
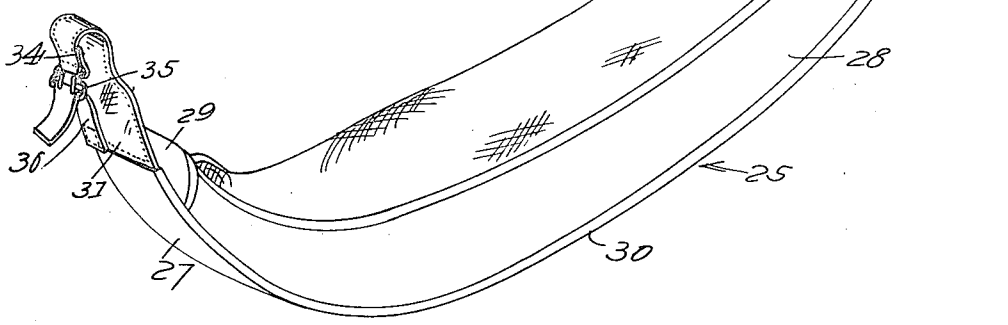


Fig. 6.



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UNITED STATES PATENT OFFICE.

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CATAMENIAL SACK.

1,288,848. Specification of Letters Patent. Patented Dec. 24, 1918.

Application filed October 3, 1917. Serial No. 194,578.

To all whom it may concern:

Be it known that I, CORA E. DUDLEY, a citizen of the United States of America, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain useful Improvements in Catamenial Sacks, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention has reference generally to improvements in that class of inventions known as surgery and more particularly relates to a catamenial sack.

As the primary aim and object this invention embraces the provision of a device of the above character designed to be conveniently and comfortably worn periodically by women in the manner of a nether garment thus increasing sanitary conditions by obviating the employment of napkins, aprons, etc., and in addition serving to effectively protect the clothes of the wearer.

It is an equally important object of this invention to provide a device of the above character wherein the construction permits of the device being readily worn by stout people especially in hot weather and serves to protect the limbs of the wearer to prevent chafing thereof.

As an additional object this invention includes the provision of a catamenial sack designed to readily adapt itself to the contour of the desired portions of the body of the wearer requiring no adjustment to capably retain itself in position yet the construction is such that the sack will in no way interfere with movement or motion of the body.

This invention has for a further object to provide a catamenial sack embodying a pad carrier removably supported with the main body of the sack and capable of being readily adjusted properly so as to be positioned within the body of the sack with respect to the body of the wearer.

More particularly this invention contemplates the provision of a device of the above character wherein the body thereof is constructed, so as to readily receive and support the carrier being in addition reinforced to increase the longevity and durability thereof.

Among the other aims and objects of this invention may be recited the provision of a device of the character described with a view to compactness, and in which the number of parts are few, the construction simple, the cost of production low and the efficiency high.

Other improvements and novel details in the construction and arrangement of the various parts of the apparatus will be brought out more in detail in the description to follow, which for a clear understanding of the invention should be considered in connection with the accompanying drawings forming a part hereof, and wherein is disclosed for the purpose of illustration a convenient and satisfactory embodiment of the invention. It is to be noted in this connection that minor changes in the construction and arrangement of parts may be made without departing from the principle of operation of the various parts.

The invention is clearly illustrated in the accompanying drawings, in which:—

Figure 1 is a front elevation of the invention.

Fig. 2 is a rear elevation thereof.

Fig. 3 is a transverse section showing the device applied.

Fig. 4 is a detail of the supporting flap.

Fig. 5 is a cross section of the pad and carrier therefor.

Fig. 6 is a perspective detail of the pad carrier.

Similar characters of reference are employed in all of the above described views to indicate corresponding parts.

Referring now more particularly to the accompanying drawings there is provided a body which may be and preferably is formed of scrim cloth and consists of a main or rear section 1 and a front section 2. The main section is adapted to surround the small of the back, the hips and outer surfaces of the thighs of the wearer while a main closing flap 3 continues from the lower edge of the rear of the main section and has gussets 4 secured to the side edges thereof. A reinforcing strip 5 is connected to the upper edge of the rear portion of the main section while a hanger 6 is secured to the strip 5 and also to the outer surface of the rear portion of the body terminating at the inner portion of the main flap to reinforce the latter in a manner that will hereinafter become apparent. Binding and reinforcing strips 7 preferably of cloth are permanently attached to the end edges of the main section 1. The front section 2 is adapted to engage the stomach of the wearer

and has reinforcing and binding strips 8 of cloth of a closely woven nature, secured such as by stitches to the respective end edges of the section 2 while one of these strips is rigidly connected to the adjacent reinforcing and binding strip 7 on the main section. An upper supporting cross piece 9 of cloth is attached to the upper edge of the front section 2 to serve as a binding and reinforcement and in addition the respective ends of the piece 9 are connected to the upper ends of the strips 8. A lower arcuate supporting or reinforcing and binding piece 10 is now employed and is connected to the lower recessed edge of the section 2, the respective ends of the said piece being secured to the lower ends of the strips 8 to coöperate therewith in strengthening the section 2.

In order to removably fasten the free end of the section 2 to the free end of the section 1 snap fasteners are preferably employed the head members 11 thereof being secured to the strips 7 in opposed relation to the socket member 12 mounted in suitably spaced relation on the strip 8.

For the purpose of rendering the body self fitting the upper edges thereof between the respective ends of the upper cross piece 9 and the strips 7 are folded upon themselves to form casings 13 for receiving strips of elastic 14 the opposite ends of which are in turn fastened to the cross piece 10 and strips 7. Likewise the lower edges are formed with similar casings 15, adjacent the opposite ends of the lower cross piece for accommodating strips 16 of elastic, the respective ends of the strips being connected to the adjacent ends of the lower cross piece and to the body near the main flap.

With a view toward providing improved means for protecting the clothes of the wearer a seat portion 17 formed of a thin sheet of pure rubber is connected to the inner surfaces of the lower rear portion of the main section 1, the main flap and the gussets, the seat portion being first surrounded by a binding 18 of rubberized fabric which when secured to and with the seat portion assures of an effective anchoring of the seat portion.

Suitable means are employed for removably fastening the flap and gussets, which constitute a closure, to the lower cross piece so that a portion of the seat 17 is arranged beneath the crotch of the wearer. In reducing this feature to practice a plurality of separable fasteners are preferably employed each consisting of a socket member 19 carried by the inner surface of the lower cross piece and a head member 20 carried by the rear surface binding on the flap and gussets as indicated.

Suspended from the inner surface of the rear portion of the main section adjacent the upper edge thereof and also from the inner surface of the front section adjacent the upper edge thereof and at points opposite to each other are supporting flaps 21 formed preferably of suitable cloth. Cross strips 22 of suitable cloth or the like are secured to the inner surface of these flaps 21, while strips of elastic are folded upon themselves and have their free ends secured to the cross strips and provide hangers 23 for metallic loops 24 for a purpose that will presently appear.

Coöperating with the rubber seat portion in protecting the clothes and otherwise increasing the comfort of the wearer is a carrier indicated in its entirety by the numeral 25 for removably receiving and supporting absorbing pads 26. This carrier is composed of a bottom 27 desirably of pure rubber and sides 28 of similar material or substance having their lower arcuate edges secured upon opposite sides of the bottom throughout the major portions of their lengths but having their outer end portions folded over or extended across and secured to the opposite side edges of the bottom adjacent the ends thereof as indicated by the numeral 29 so that they lie over each other forming substantially closed ends for assuring of the retention of a pad therein with a view toward preventing accidental displacement thereof. Reinforcing and binding strips 30 formed of rubberized fabric are secured to the connected edges of the sides and bottom and also to the free edges of the sides. Straps 31 preferably of cloth are connected to the respective ends of the carrier and are covered exteriorly by pieces of rubberized fabric 32, the outer edges of the straps and fabric 32 being held in position by a stitching 33 while the free ends thereof are folded upon themselves and secured to form loops 34 for supporting buckles 35 for adjustable engagement with free ends of other straps 36 formed of tape, the inner ends of which are secured to the carrier adjacent the respective ends thereof. It is of course to be appreciated that these straps preparatory to being engaged are passed through the loops 24 on the supporting flaps and serve to adjustably connect the carrier thereto, the loops of course coöperating with the supporting flaps and straps in supporting the carrier beneath the crotch of the wearer.

It is believed in view of the foregoing description that a further description of the operation or use of the invention is entirely unnecessary and likewise the advantages of the invention will be readily apparent. In this connection, however, it will be observed that the body in its entirety is capable of being used independently for elderly ladies past the periodic age.

As many changes could be made in the above construction and many apparently

widely different embodiments of this invention could be made without departing from the scope thereof, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limited sense. It is also to be understood that the language used in the following claims is intended to cover all the generic and specific features of the invention herein described and all statements of the scope of the invention which as a matter of language might be said to fall therebetween.

I claim:

1. A catamenial sack including a body composed of a main section and a front section having one edge secured to the adjacent edge of the main section, binding means on the outer edges of the main section, binding means on the outer edges of the front section, reinforcing cross pieces carried by the upper and lower edges of the front section, a reinforcing piece secured to the upper edge of the rear portion of the main section, a closure flap continuing from the lower edge of the rear portion of the body, casings formed on the upper and lower edges of the main section respectively between the binding means and the reinforcing piece and between the binding means and the flap, elastic means mounted in the casings for assuring of the retention of the body, means for removably holding the sections of the body closed, means for removably fastening the closure flap to the lower cross piece, and a seat portion of impervious material secured to the inner surface of the closure flap.

2. A catamenial sack including a body composed of a main section and a front section having one edge secured to the adjacent edge of the main section and its other edge removably engageable with the other edge of the body, elastic means mounted in the upper and lower edges of the body for supporting the body in position on the wearer, a closure flap extending from the rear portion of the main section and removably engageable with the front section, a protecting seat carried by the inner surface of the main flap, supporting flaps suspended from the inner surface of the body adjacent the upper edges at the front and rear portions thereof, a carrier of impervious material, an absorbent pad removably mounted therein and coöperative means on the supporting flaps and on the carrier for adjustably suspending the carrier within the body.

In testimony whereof I affix my signature.

CORA E. DUDLEY.