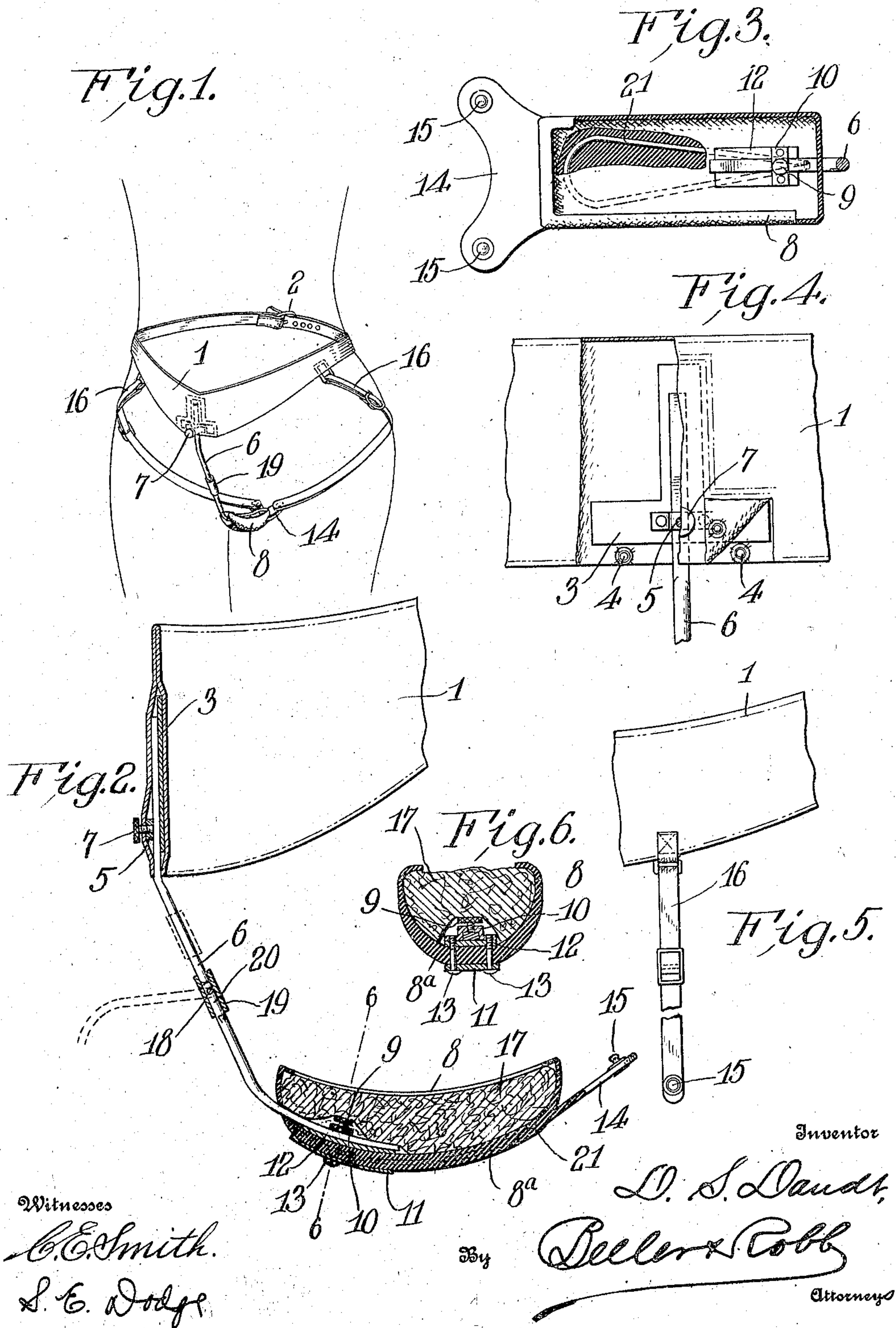


D. S. DAUDT.
CATAMENIAL APPLIANCE.
APPLICATION FILED MAY 14, 1908.

900,150.

Patented Oct. 6, 1908.



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UNITED STATES PATENT OFFICE.

DOUGLAS S. DAUDT, OF PLAINFIELD, NEW JERSEY.

CATAMENIAL APPLIANCE.

No. 900,150.

Specification of Letters Patent.

Patented Oct. 6, 1908.

Application filed May 14, 1908. Serial No. 432,924.

To all whom it may concern:

Be it known that I, DOUGLAS S. DAUDT, a citizen of the United States, residing at Plainfield, in the county of Union and State of New Jersey, have invented certain new and useful Improvements in Catamenial Appliances, of which the following is a specification.

My invention relates to improvements in catamenial appliances such as are worn by women during periods of menstrual or other uterine discharges.

Appliances of the above nature which are in common use are objectionable for many reasons, as is well known, being in most instances unsanitary, conducive to discomfort of the wearer, and giving rise to inconvenience in various ways.

My appliance is designed to practically eliminate the many disadvantages of present means employed for the purposes thereof, embodying a novel construction of parts the form and arrangement of which are the result of my thorough knowledge of the deficiencies and unsuitableness of the appliances ordinarily used.

Briefly describing the essential features of my invention, the same comprises a sack, pouch, or equivalent container, in which is disposed an absorbent pad, and which is adapted to receive and hold liquid discharges, this sack being peculiarly reinforced so as to retain its shape under all conditions of service, and at the same time accommodate for the different positions of the body of the wearer without inconvenience or discomfort in any way. The aforesaid sack is supported by special devices, which form an important feature of my invention, whereby the applicability of my invention is greatly increased, in that it is adapted upon adjustment of the proper parts to be applied to persons of different sizes, and whose bodies are of quite different shapes at the middle portions, as for instance, having more or less abdominal prominence; whereby the device may be quickly and readily thrown out of operative position for toilet or cleansing purposes; and whereby the sanitary features of my invention are promoted to the highest degree.

For a full understanding of the invention, reference is to be had to the following detail description and to the accompanying drawings, in which

Figure 1 is a perspective view showing my appliance applied or arranged as when in

actual use; Fig. 2 is a vertical sectional view of my invention, partially broken away; Fig. 3 is a top plan view of the sack, the same being shown partially in section to bring out more clearly the arrangement of the spring shape retainer embedded in the bottom portion thereof; Fig. 4 is a front elevation of the front portion of the waist band, partially broken away and showing the arrangement and securing means for the attaching plate applied thereto; Fig. 5 is a detail view showing one of the hip-straps connected with the waist-band, and Fig. 6 is a transverse sectional view taken about on the line 6—6 of Fig. 2.

Throughout the following detail description and on the several figures of the drawings, similar parts are referred to by like reference characters.

Specifically describing my invention and referring particularly to the drawings, it will be noted that I provide the usual waist-band 1 which is adapted to pass about the body and support the other parts of my appliance in proper positions. The band 1 has its ends adjustably connected at the back by a buckle 2. At its front portion the band 1 has applied thereto a T-shaped attaching plate 3 which is adapted to be received between the plies of material from which the band is made, as shown clearly in Fig. 2 of the drawings, being detachably secured in place by means of common socket clasps 4 which are adapted to connect the free lower portions of the plies of the band 1 and prevent displacement of the plate 3. Said plate, however, may be readily removed whenever it is desired to wash the band 1. The plate 3 has a loop 5 projecting from the outer side thereof to receive the upper portion of a downwardly curving supporting stem 6, a set screw 7 being carried by the loop 5 to engage the stem 6 and securely fasten the latter to the plate. The stem 6 is a rigid supporting member curving downwardly and laterally and supporting at its lower end a sack or pouch 8 made of rubber or equivalent substance and curving lengthwise thereof to conform with the shape of that portion of the body in contact with which it is arranged in the actual use of the invention. The stem 6 is adjustably connected with the sack 8 by means of a set screw 9 engaging the stem and carried by a loop 10 applied to a plate 11 secured to the bottom portion 8^a of the sack. To afford a substantial connection between the stem 6

and the sack 8 it is contemplated to employ the plate 11 and another plate 12 arranged beneath the bottom of the sack 8 and secured to the plate 11 by suitable fastenings 13.

5 The upper and lower portions of the stem 6 which are received by the loops 5 and 10, respectively, are preferably flattened so as to prevent relative turning movement of the parts of the appliance which are connected
10 with the stem. The peculiar arrangement and mounting of the stem 6 constitutes one of the most essential features of my invention in that, this supporting member is adapted for vertical adjustment, to raise or
15 lower the sack 8 with respect to the waistband 1, and permit of ready application of the appliance to persons who are longer or shorter in the waist, as the case may be. Furthermore, the curvature of the support-
20 ing member 6 and the adjustable connection thereof with the sack 8 permits of a further desirable adjustment of these parts which is very desirable when it is understood that an appliance of the nature of my invention is
25 designed to be used by persons of different sizes.

Not only is the sack 8 supported by means of the stem 6 but the rear end portion of the sack is formed with divergent integral tabs
30 14 which are detachably connected by separable fastenings 15 with hip-straps 16 designed to extend from the sack and embrace the rear portions of the body in an obvious manner.

35 The sack 8 is intended to receive an absorbent pad 17 made of suitable material such as sponge, or the like, and readily removable therefrom.

The construction of the stem 6 is peculiar,
40 the same being made in sections pivotally connected at 18 as by an ordinary rule joint, the adjacent connected portions of the stem sections being in alinement when the parts of the appliance are arranged in operative posi-
45 tion, being so held by means of a short sliding sleeve 19 embracing the stem 6 and adapted to fit over the rule joint 20. The sleeve 19, however, may be readily moved upwardly in order that the lower section of the stem 6 to-
50 gether with the sack 8 may be thrown forwardly, after the tabs 14 have been disconnected from the hip-straps. The construction of the parts whereby the sack 8 may be moved outwardly in the manner above de-
55 scribed constitutes another important feature of my invention since operation of the parts in this way is especially advantageous when it is desired to cleanse the pad 17, and for toilet purposes.

60 The sack 8 being made of rubber or such resilient material as will conform with and fit snugly against the body would under ordinary conditions lose its shape after much use of the appliance but in the practical embodi-
65 ment of my invention I aim to prevent this.

Embedded in the bottom portion of the sack 8 is a spring frame 21 preferably made of wire of proper curvature and this wire frame will effectively retain the shape originally given thereto and also prevent the sack 8
70 from getting out of shape due to the deterioration of the rubber because of the nature of the contents received by the sack, or continuous usage, as above premised. The location of the spring frame 21 at the bottom
75 portion of the sack 8 is essential and important because there is no likelihood of irritation of the wearer of the appliance by reason of proximity of the frame 21 to the flesh, this being a consideration of vast importance
80 with regard to appliances of the nature of my invention.

The arrangement of the straps 16 is such that the same may be quickly disconnected from the sack 8, and, furthermore, said straps
85 being adjustable by use of any conventional means, are readily adapted to be properly adjusted so that the invention may be comfortably applied to the body without likelihood of inconvenience. The peculiar forma-
90 tion of the sack 8 as well as the mounting thereof are especially desirable because no matter what posture may be assumed by the wearer of my appliance, the part 8 fits com-
95 fortably and is always ready to perform the function for which it is provided. The sack 8 is of such construction also as to render my appliance sanitary in all respects, which is a material consideration in this art, as will be appreciated by persons conversant there-
100 with. Many other advantages arise in the use of my invention as will be apparent without specific recitation thereof.

Having thus described the invention, what is claimed as new, is:

1. In an appliance of the class described, the combination of body attaching means, a rigid supporting member extending downwardly therefrom, means adjustably connecting said supporting member with the
110 said attaching means, and a sack adjustably mounted upon the lower portion of the supporting member.

2. In an appliance of the class described, the combination of body attaching means, a
115 rigid supporting member adjustably connected at its upper end with the body attaching means and extending downwardly and laterally from the front portion thereof, and a container adjustable longitudinally of
120 the laterally extending portion of the said supporting member.

3. In an appliance of the class described, the combination of body attaching means, a
125 rigid supporting member extending downwardly and laterally from the front portion of the said attaching means, and a resilient sack adjustably mounted on the laterally extending portion of said supporting member.

4. In an appliance of the class described, 130

the combination of body attaching means, a rigid stem secured to and extending downwardly from the front portion of said attaching means, a sack of resilient material adjustably mounted on the lower end portion of said stem, and a spring frame applied to the bottom portion of said sack for the purpose of retaining the shape thereof.

5. In an appliance of the class described, the combination of body attaching means, a resilient sack for receiving liquid discharges connected with said attaching means, and a spring frame applied to the bottom portion of said sack to hold the same in normal shape and prevented from contact with the body thereby.

6. In an appliance of the class described, the combination of a waist-band, a detachable plate applied to the front portion thereof, a supporting stem adjustably connected

at its upper end to said plate and curving downwardly and laterally, said stem comprising sections connected by a rule-joint, a rubber sack adjustably mounted on the laterally extending portion of the stem, detachable straps connecting the rear portion of said sack with the waist-band, and a sleeve mounted on the stem so as to fit over the rule-joint and hold the sections thereof rigid with respect to one another, said sleeve being movable to permit relative pivotal movement of the lower section of the stem to throw the sack out of operative position.

In testimony whereof I affix my signature in presence of two witnesses.

DOUGLAS S. DAUDT.

Witnesses:

GEO. L. BEELER,
J. F. ROBB.