June 28, 1955 E. C. STEWARD 2,711,543

ELIMINATION BED PAD

Filed Aug. 3, 1954

FIG. 1

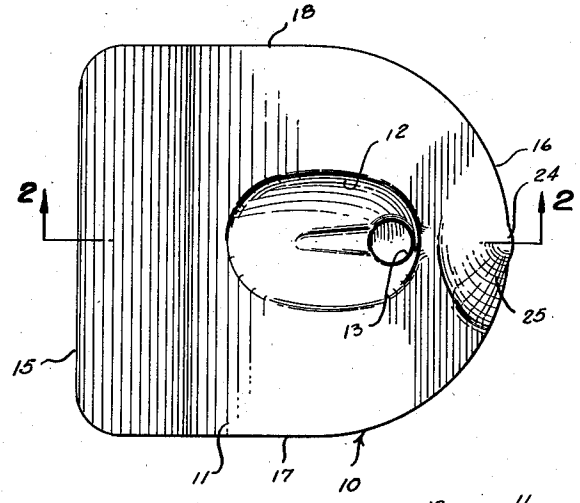


FIG. 2

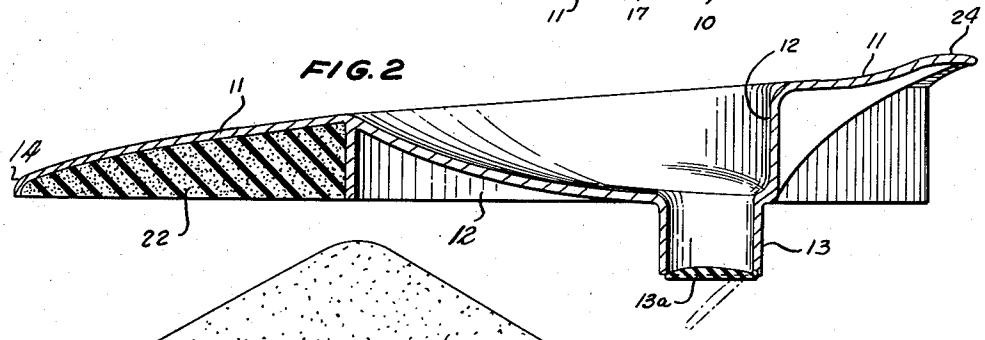
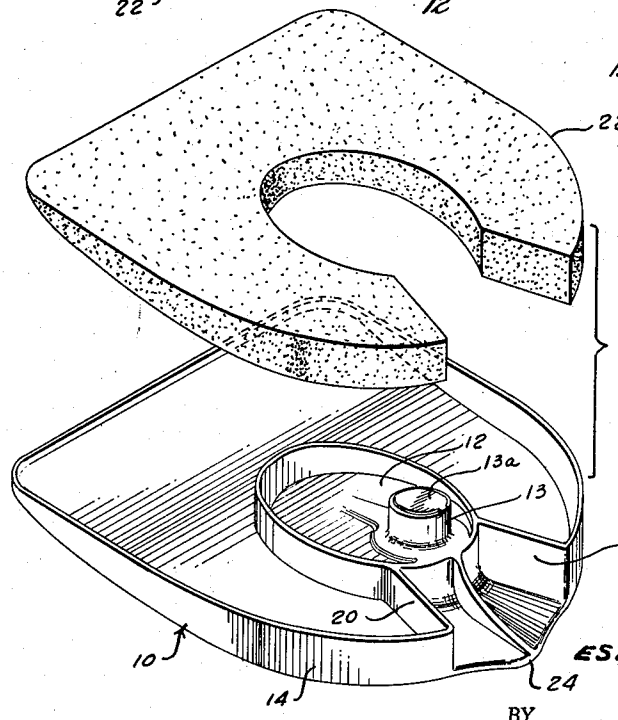


FIG. 3



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United States Patent Office 2,711,543
Patented June 28, 1955

2,711,543

ELIMINATION BED PAD

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Application August 3, 1954, Serial No. 447,603
2 Claims. (Cl. 4—112)

This invention relates to a bed pad, and more particularly to a bed pad of the type having means for receiving and discharging body secretions into a suitable receptacle.

An object of the present invention is to provide a bed pad which lends itself for ready adaption to a mattress and which may be maintained in a sanitary condition for long periods of use.

Another object of the present invention is to provide a bed pad which is durable, light in weight, and commercially feasible.

A further object of the present invention is to provide a bed pad which is simple in structure, and highly efficient in use.

Other objects and advantages of the present invention will become apparent from the following description taken in conjunction with the accompanying drawing, in which:

Figure 1 is a plan view of the bed pad of the present invention.

Figure 2 is an enlarged sectional view taken on the line 2—2 of Figure 1.

Figure 3 is an exploded bottom perspective view of the bed pad of Figure 1.

Referring to the drawing, the numeral **10** designates the frame which is fabricated wholly of a rigid, non-absorbent and washable material, such as non-cellular rubber, plastic, and the like. The frame includes an apron **11** which is of substantially flat form, a shallow open well **12** arranged longitudinally of the apron intermediate the front and back end edges and the side edges thereof and depending from the apron, a drain tube **13** extending from the bottom of the well, and a skirt **14** extending about the aforesaid edges and forming with the well **12** and the adjacent portion of the apron **11** a space. The front end edge **15** of the apron **11** is straight, while the back end edge **16** is rounded, with the sides **17** and **18** being also straight. As shown in Figure 3, a pair of ribs **19** and **20**, arranged in converging spaced relation, depend from the under face of the apron **11** and extend longitudinally inwardly from the back end edge **16** of the apron **11**, the converging ends of the ribs being secured to the wall of the well **12**. The skirt **14** extends about the front end edge **15** and side edges **17** and **18** of the apron **11** and has its ends attached to the diverging ends of the ribs. The skirt **14**, the ribs **19** and **20**, the wall of the well **12**, and the adjacent portion of the apron **11** form a space in which is interposed a foundation block **22** fabricated wholly of a cellular resilient material, such as foam or sponge rubber, sponge plastic, and the like, such foundation block providing ventilation for the pad when a person's body is resting upon the apron of the pad.

Projecting from the upper surface of the apron **11** intermediate the rear end edge **16** and the well **12** is a

ridge **24** having inclined sides **25**, the ridge being adapted to conformably seat against the person's back in the region of the base of the spine and from a supporting surface for the buttocks of the person.

To employ the pad of the present invention, it is placed on the surface of a mattress with the drain tube **13** extending therethrough and the foundation block **22** lying substantially flush with the upper surface of the mattress. The apron **11** underlies the legs and buttocks of the patient with the ridge **24** extending under the back in the region of the base of the spine and conformably fits thereagainst. Excretions from the body of the patient are received in the well **12** and are discharged through the tube **13** into a vessel positioned beneath the bed. The foundation block **22** permits circulation of air under the apron to eliminate perspiration and other discomforts of the patient.

It is to be noted that the tube **13** is provided with a flap valve **13***a* extending tranversely thereacross, the weight of the excretions causing the valve to swing downwardly and permit the excretions to pass through the tube and upon release of such weight the valve returning to its position of extending transversely across the tube.

The bed pad of the present invention can be washed repeatedly without suffering deterioration, and hence, can be maintained in a sanitary condition while in use.

Having thus described the invention what is new and desired to be secured by Letters Patent is:

1. A bed pad comprising a frame fabricated wholly of a rigid non-absorbent and washable material, said frame including an apron of substantially flat form constituting the entire top thereof, a shallow open well arranged longitudinally of said apron intermediate the front and back end edges and side edges thereof and depending from said apron, a drain tube extending from the bottom of said well, and a skirt extending about the aforesaid edges of said apron, substantially surrounding the space between said well and said skirt, and a foundation block fabricated wholly of a cellular resilient material interposed in said space and secured to said apron, said well, and the adjacent portion of said apron.

2. A bed pad comprising a frame fabricated wholly of a rigid non-absorbent and washable material, said frame including an apron of substantially flat form constituting the entire top thereof, a shallow open well arranged longitudinally of said apron intermediate the front and back end edges and side edges thereof and depending from said apron, a drain tube extending from the bottom of said well, a pair of ribs arranged in converging spaced relation depending from the under face of said apron and extending longitudinally inwardly from the back end edge of said apron, the converging ends of said ribs being secured to the wall of the well, and a skirt extending about the front end edge and the side edges of said apron and having its ends attached to the diverging ends of said ribs, said skirt and said ribs substantially surrounding the space between said well and said skirt, and a foundation block fabricated wholly of a cellular resilient material interposed in said space and secured to said apron, said well, said ribs, and the adjacent portion of said apron.

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