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SANITARY BANDAGE.
APPLICATION FILED JULY 29, 1915.

1,217,014.

Patented Feb. 20, 1917.

Fig. 1.

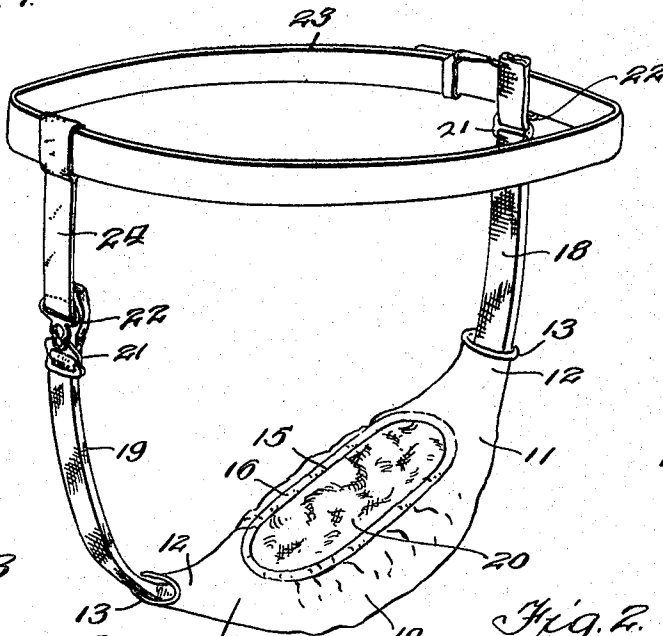


Fig. 3.

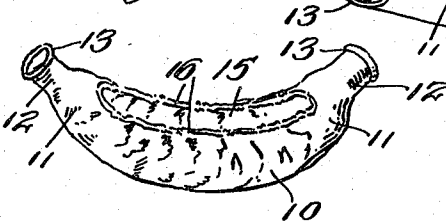


Fig. 2.

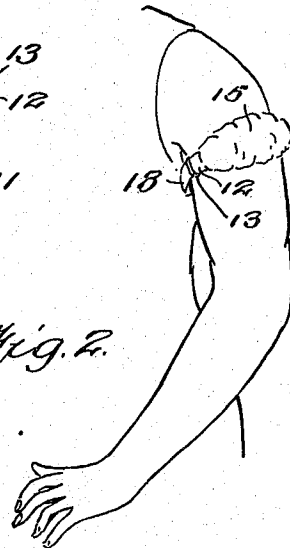


Fig. 4.



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SANITARY BANDAGE.

1,217,014.

Specification of Letters Patent.

Patented Feb. 20, 1917.

Application filed July 29, 1915. Serial No. 42,613.

To all whom it may concern:

Be it known that I, EDWARD A. KNIERIEM, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Sanitary Bandages; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to surgery and more particularly to bandages and the like.

It has for an object to provide an absorbent bandage, and to inclose this within a pliable pouch having an opening for exposing the absorbent inclosure.

A further object is to provide an elastic pouch to receive and inclose an absorbent bandage, said pouch having an opening therein through which the absorbent material is exposed, and said pouch is of such proportions, that an elongated pad formed in said bandage securely holds the pouch in position, when the ends of said bandage are fastened.

Further objects will be apparent from the following specification, appended claim and drawings in which:

Figure 1 is a perspective view of the bandage used in the preferred application as a catamenial sack,

Fig. 2 shows it as a bandage,

Fig. 3 is a perspective view of the sack removed, and,

Fig. 4 is a vertical sectional view through the device showing how the pad stretches the sack.

This invention affords a bandage which in its especial usage will be as a catamenial sack but it is also useful in different adaptations as a bandage for running sores or wounds or in vaccination or in any case where an absorbent medicated pad is useful either as a temporary or permanent bandage. It will be apparent that different sizes of pouches and of bandages contained therein will be necessary for different applications of the same but in each case, the essential features of the invention remain the same.

Referring to the drawings showing this device, there is shown a pouch which has an enlarged and elongated central portion 10, from which extend the tapering ends 11, and these tapering ends terminate in tubular

extensions 12 which have the beaded edges 13. If so desired, the beaded edges 13 may have reinforcing rings 14 included therein. The central portion of the pouch has an elongated opening 15 therein which is formed by the beaded edge 16 in which a reinforcing ring 17 of fine wire or other material may be embedded. This pouch will preferably be made of thin live rubber, and elastic so that parts thereof may be stretched to adapt themselves to the curvature of the body without damaging the other parts thereof.

This pouch is to receive an absorbent bandage of the usual type of sanitary napkin in which a gauze strip is formed by folding a piece of gauze a number of times upon itself and centrally therein between the ends, a pad of absorbent material of cotton or other material is formed. In the drawings, the ends are indicated at 18 and 19, and the pad at 20 and this bandage may be medicated for the different applications thereof. The pad 20 is longer than the interior of the pouch, and the enlarged portions formed by the pad engage in the tapering ends 11 so that as the ends 18 and 19 pass through the tubular extensions 12 to be fastened, the pouch is stretched which causes the edge 16 to adapt itself to the body. The padding 20 need not be drawn taut, but only to such a degree as to properly adapt the pouch, because the padding will serve better as an absorber when in a natural state.

When used as a bandage as for instance in vaccination, the ends 18 and 19 may encircle the arm and be pinned or tied as desired. When used as a catamenial sack, the ends 18 and 19 may be detachably connected to clasp members 21, which engage coacting clasp members 22 carried directly by a belt 23, or attached to said belt or other garment as by a suspender 24.

It will be seen that when used as a bandage for a sore or the like, the padding 20 serves as a buffer and for use as a catamenial sack, the tension formed by the pouch causes the bandage to adapt itself to the body so that no chafing nor rubbing is possible.

The gauze bandage may be easily detached from its support and from the pouch when another may be substituted therefor, and the pouch is of a material which may be washed frequently.

It is apparent that this device has many

applications and that modifications may be made within the scope of the appended claim without departing from the spirit of this invention. It will also be apparent that
5 the absorbent element in this bandage may be medicated according to the use for which the bandage is to be applied as the rubber pouch in combination with the bandage furnishes a clean and sanitary method of pro-
10 tecting any wound from the air.

Having thus described my invention, I claim:—

A sanitary bandage of the class described, comprising a water-proof elastic pouch of a
15 general crescent shape, said pouch having an elongated opening therein along the general line of said pouch, said opening having a beaded edge, a reinforcing band in said beaded edge, the ends of said pouch tapering into
20 tubular passages having open ends, the edges of said pouch about said openings being beaded, reinforcing rings therein, an ab-

sorbent pad insertible in and exposed through said elongated opening, said pad being of a length to permit its being gathered 25
extensions from said pad forming shoulders of the ends of said pad, said extensions passing through the tubular extensions of said pouch, the shoulders formed by said pad 30
lodging in the tapering ends of the pouch, and said pad and the extensions therefrom stretching said pouch when applied to cause the elasticity of said pouch to fit said pad 35
to the body of a wearer and to afford the necessary extension of said pad for free movements of the body.

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

EDW. A. KNIERIEM.

Witnesses:

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