No. 811,704. PATENTED FEB. 6, 1906.

E. S. DIX.

CATAMENIAL BANDAGE.

APPLICATION FILED OCT. 16, 1903.

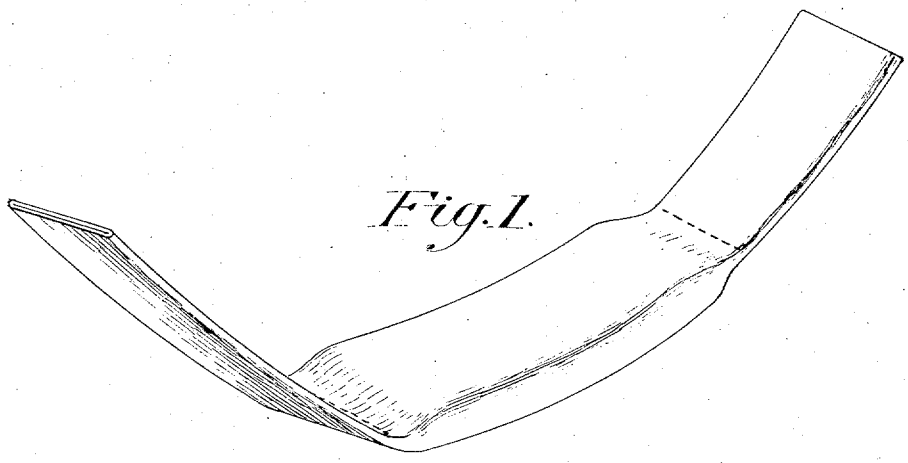
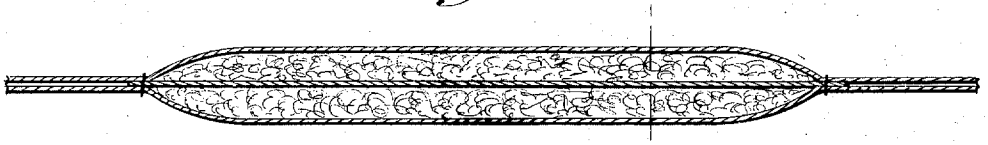


Fig. 1.

Fig. 2.



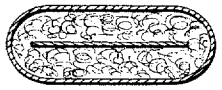


Fig. 3.

Witnesses:
Oliver Williams
Frederick A. Blount.

Inventor:
Edward S. Dix
by Seward Davis
his Attorney

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UNITED STATES PATENT OFFICE.

EDWARD SAVAGE DIX, OF NEW YORK, N. Y., ASSIGNOR TO THE BORATED SPECIALTY COMPANY, OF BROOKLYN, NEW YORK, A CORPORATION OF NEW YORK.

CATAMENIAL BANDAGE.

No. 811,704. Specification of Letters Patent. Patented Feb. 6, 1906.

Application filed October 16, 1903. Serial No. 177,239.

To all whom it may concern:

Be it known that I, EDWARD SAVAGE DIX, a citizen of the United States of America, residing in the borough of Brooklyn, city of New York, State of New York, have invented a new and useful Catamenial Bandage, of which the following is a specification.

This invention relates to bandages of that class used for receiving catamenial discharges, and has for its principal object to provide a bandage which in use will more nearly retain its original width or shape than other bandages of this class known to me, and therefore will more surely catch and retain the fluid discharges, while at the same time provision is made for protecting the clothing of the wearer from soiling by said discharges, the device as a whole being well calculated to give the greatest possible comfort to the wearer as regards convenience of application and warmth and general efficiency in use.

The invention will first be described, and then will be particularly defined in claims hereinafter set forth.

Reference is made to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a longitudinal sectional view of a catamenial bandage embodying the invention in its preferred form. Fig. 2 is a cross-section taken on the line *b b* of Fig. 1.

In this class of appliances, a loosely-knitted fabric is best adapted to receive the discharge and is also particularly desirable as best adapted to promote the comfort of the wearer, contact of the soft parts with a warp-and-woof fabric being objectionable because such fabric being less absorptive imparts a chill to the wearer and being less readily conformable to the parts to be covered occasions discomfort. A loosely-knitted tubular fabric is particulaly desirable, as it forms a convenient jacket for a pad of cotton or other like absorbent tufting material, which may be readily treated with deodorizing medicants. Such padded tubing forms a desirable bandage, but is objectionable because of its structure. The tube when stretched for purposes of attachment at its ends to a band about the body of the wearer constantly tends to compress the pad, and consequently to stretch and become stringy, and as it elongates under the strains induced by the movements of the wearer the pad proper tends to sag and fall away from the parts to be covered. On the other hand, as stated before, an absorbent pad formed from a warp-and-woof fabric is equally objectionable, because chilling and not readily conformable to the person. My invention seeks to combine the desirable features of each of these prior forms of bandage while eliminating the objectionable elements. To this end I form a bandage, as illustrated in the drawings, in which a bandage is shown having the knitted tubular pad-casing extending to form the attaching ends, by which the bandage is secured to the band or girdle around the body of the wearer. The pad proper comprises the knitted tubular casing, its stuffing of cotton or other similar absorptive material and a woven-fabric reinforce inserted in the casing and within the absorbent material and to which the tubular casing is attached, preferably by stitching across the casing at the ends of and beyond the absorptive-padding. The woven-fabric reinforce may be of oil-silk or similar impervious material. Any convenient means of attachment may be used to fasten this bandage to a belt or girdle.

The features of advantage resulting from this construction of absorbent pad and its means of attachment are that the position of the pad to the parts is maintained at the initial adjustment without sagging; that the absorbent medium does not pack or become compressed or matted, but the fibers composing it maintain their loosely-contacting relation to each other and remain as highly absorptive as at first; that the loosely-knitted casing conforms readily to the shape of the parts and from its material affords a comfort-promoting sense of warmth; that the woven included reinforce acts not only to relieve the knitted tube from longitudinal strains, but acts as a spreader thereto, so that both the superficial area and the uniform width of the pad are preserved and its undue crushing is prevented; that the included woven reinforce may be fluid-proof and prevent any discharge that might otherwise escape from the pad at the maximum point of saturation from soiling the clothes, retaining such discharge until the absorptive pad has had time to take it up, and that this bandage may be made at slight cost.

Having thus described my improvement, I claim—

As a new article of manufacture a catamenial bandage comprising a knitted tube, absorbent material therein, a non-elastic woven strip, substantially of the width of the said tube when flattened, embedded in said cotton, transverse stitching attaching said strip at its ends to said tube, the ends of said tube extending beyond said woven strip and forming means for attachment.

EDWARD SAVAGE DIX.

Witnesses:
FREDERICK A. BLOUNT,
OLIVER WILLIAMS.

Correction in Letters Patent No. 811,704.

It is hereby certified that in Letters Patent No. 811,704, granted February 6, 1906, upon the application of Edward Savage Dix, of New York, N. Y., for an improvement in "Catamenial Bandages," an error appears in the printed specification requiring correction, as follows: In lines 28–21, page 1, the paragraph which reads "Figure 1 is a longitudinal sectional view of a catamenial bandage embodying the invention in its preferred form. Fig. 2 is a cross-section taken on the line *b b* of Fig. 1," should read *Figure 1 is a perspective view of a catamenial bandage embodying my invention; Fig. 2 is a longitudinal section thereof; and Fig. 3 is a cross-section taken along broken line of Fig 2;* and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 13th day of March, A. D., 1906.

[SEAL.]

E. B. MOORE,
Acting Commissioner of Patents.

Having thus described my improvement, I claim—

As a new article of manufacture a catamenial bandage comprising a knitted tube, absorbent material therein, a non-elastic woven strip, substantially of the width of the said tube when flattened, embedded in said cotton, transverse stitching attaching said strip at its ends to said tube, the ends of said tube extending beyond said woven strip and forming means for attachment.

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