

S. BOTTOMLEY.

BANDAGE.

APPLICATION FILED MAR. 6, 1907.

959,704.

Patented May 31, 1910.

Fig. 1.

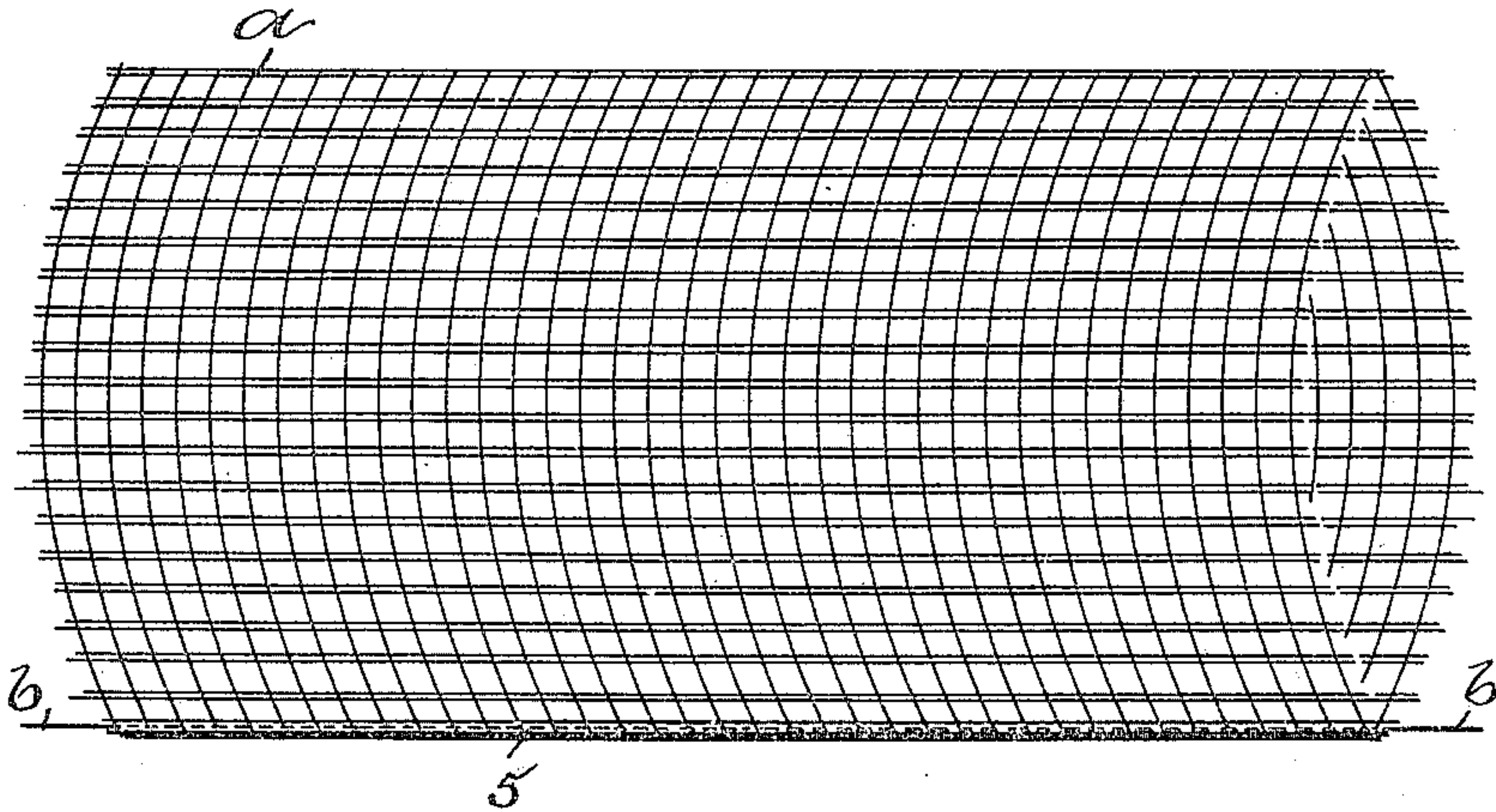


Fig. 2.

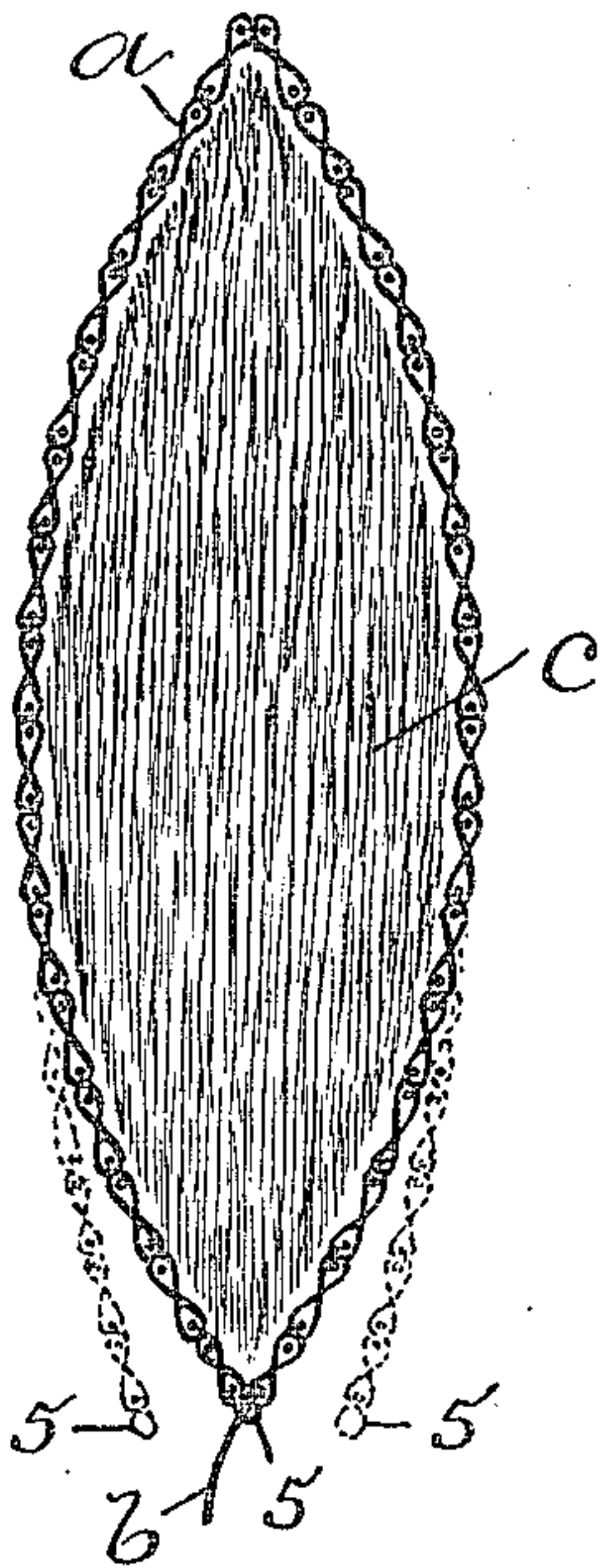


Fig. 3.

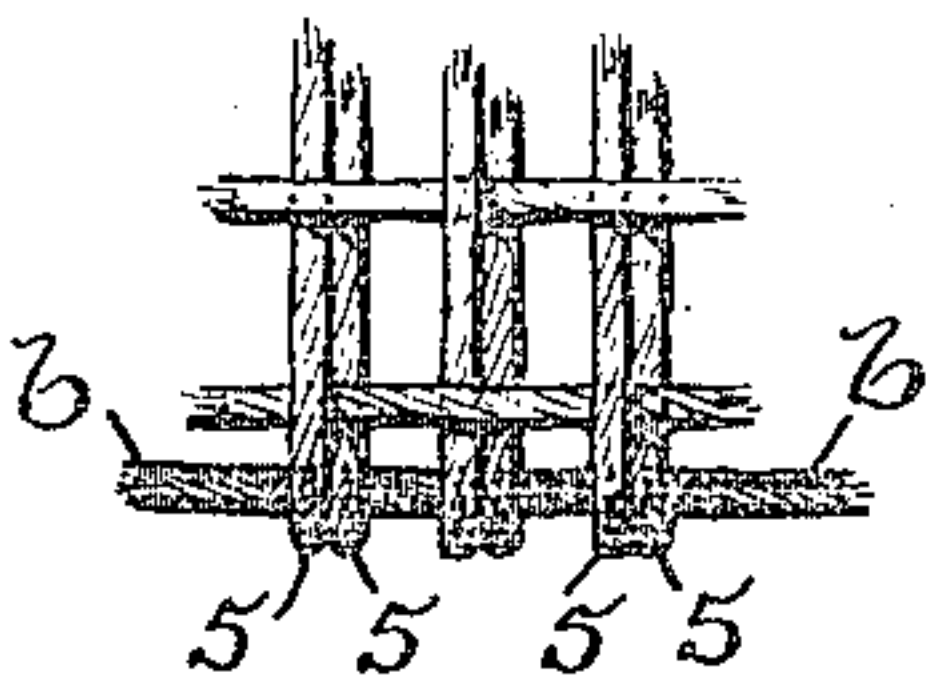
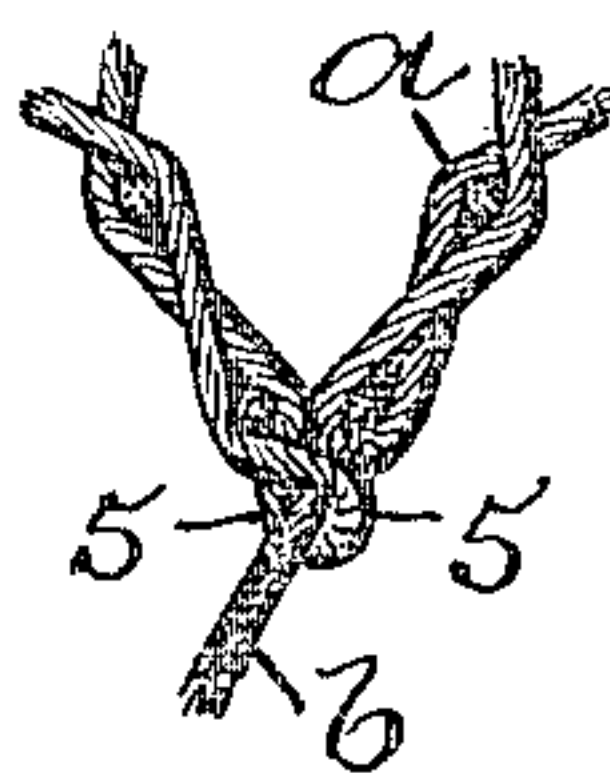


Fig. 4.



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# UNITED STATES PATENT OFFICE.

SAMUEL BOTTOMLEY, OF PROVIDENCE, RHODE ISLAND.

## BANDAGE.

959,704.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed March 6, 1907. Serial No. 360,908.

*To all whom it may concern:*

Be it known that I, SAMUEL BOTTOMLEY, a citizen of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improvement in Bandages, of which the following is a specification.

This invention has reference to an improvement in bandages and more particularly to an improvement in tubular bandages in which is an absorbent material. Bandages of this nature were heretofore constructed of a tubular casing formed by weaving or knitting the same in a tubular form or by folding a strip of textile material lengthwise and permanently securing the edges together by stitching or other means and a filling of absorbent cotton. These bandages are comparatively thick and after use are usually thrown in their entirety into the bowl of a sanitary closet, thereby clogging or completely stopping up the soil pipe and causing more or less damage and expense, and this clogging action of the bandage is further increased by the water in the closet swelling the absorbent material in the bandage casing.

My invention consists in the peculiar and novel construction of a tubular bandage inclosing an absorbent material in a shredded condition, whereby the casing may be opened and the shredded absorbent material shaken from the casing and disintegrated.

Figure 1 is a perspective view of the casing of my improved bandage, showing the draw-string for detachably securing the edges of the casing together by the draw-enlarged transverse sectional view through the bandage, showing the shredded absorbent material in the casing, which is shown in the closed position in full lines and in a partly open position in dotted lines. Fig. 3 is a further enlarged detail face view, showing the means of detachably securing the edges of the casing together by the draw-string, and Fig. 4 is an enlarged detail view looking at the end of Fig. 3.

In the drawings, *a* indicates the casing, *b* the draw-string, and *c* the shredded absorbent filling of my improved bandage.

The casing *a* is constructed from a strip of knitted or woven fabric having preferably an open mesh. The strip of fabric is folded centrally lengthwise and the free side edges thereof are provided with loops detachably secured together by the draw-

string *b* to form a tube, as shown in Fig. 1. The draw-string *b* may extend alternately through said loops on the edges of the casing, as shown in Figs. 3 and 4, or the edges of the casing may be detachably secured together by loosely sewing or basting the edges together with the draw-string *b*. The filling *c* is made from an absorbent material that is shredded or treated in such a way that the material will easily disintegrate.

The bandage is used principally for absorbing pus, serum or other discharges. After being used the draw-string *b* is drawn out of the edges of the casing *a*, the casing opened and the absorbent filling material *c* shaken out of the casing in a disintegrated condition into the bowl of a closet or similar receptacle, the casing then thrown into the bowl and the whole discharged into the soil pipe without danger of stopping or clogging up the pipe. The bandage may also be treated with a medicated liquid and used as a compress, if desired.

It is evident that the casing *a* could be knitted or woven so as to include the draw-string *b* at the time of knitting or weaving, without materially affecting the spirit of my invention.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

A bandage composed of a casing formed of a strip of open mesh material folded to form two portions, a series of spaced loops carried by the free side edges of said portions, the loops of one portion being arranged in the space between the loops of the other portion, a string extending alternately through the loops of said portions and having its ends extended beyond the ends of said portions so that the string may be removed by a pulling action, said string being secured to said loops solely by frictional contact therewith, and a filling of shredded material arranged between said portions, said material being treated so as to be capable of being shaken out of said casing in a disintegrated condition.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

SAMUEL BOTTOMLEY.

Witnesses:

ADA E. HAGERTY,  
J. A. MILLER.