Sept. 27, 1927. 1,643,926

E. E. DICKSON

EMERGENCY DRESSING

Filed Jan. 5. 1927

Fig. 1.

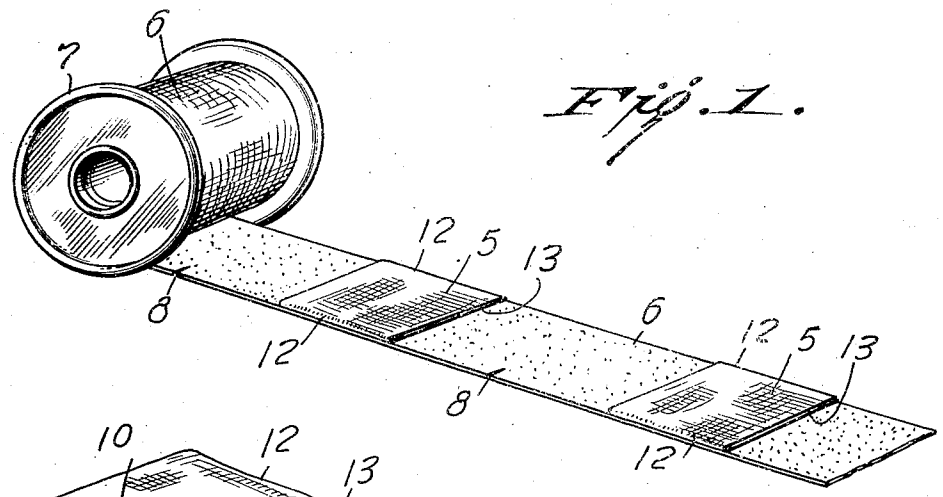


Fig. 2.

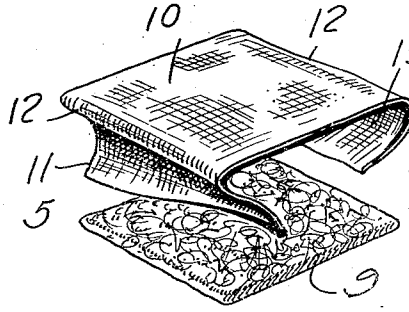


Fig. 3.

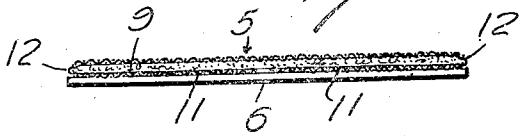
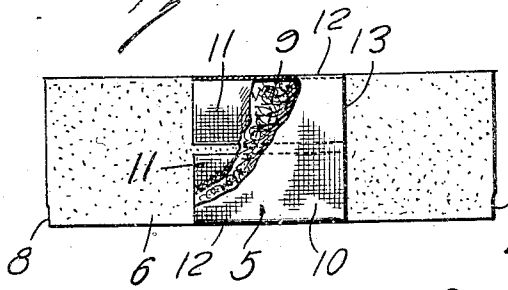


Fig. 4.



Inventor

E. E. DICKSON,

By Jack A. Richmond

Attorney

Patented Sept. 27, 1927.

1,643,926

UNITED STATES PATENT OFFICE.

ENSIGN E. DICKSON, OF NEW BRUNSWICK, NEW JERSEY, ASSIGNOR TO JOHNSON & JOHNSON, OF NEW BRUNSWICK, NEW JERSEY, A CORPORATION OF NEW JERSEY.

EMERGENCY DRESSING.

Application filed January 5, 1927. Serial No. 159,160.

My invention is particularly concerned with emergency dressings mainly intended for application to cuts and other injuries of a minor character and of the type embodying a pad or compress which is positioned relatively to the area to be dressed by surgical adhesive tape or plaster to which the pad is secured. A dressing of this nature is disclosed in Letters Patent No. 1,612,267 in which embodiment crinoline or other facing material is employed to protect the pad. The facing element makes it awkward if not difficult to prepare the dressing in roll or convolute form and at any rate in small rolls or spools such as desired by surgeons, physicians, nurses and those in charge of first aid stations or other places where emergency dressings are extensively used.

The present improvements, therefore, are directed to simplify the construction of the dressing whereby, without sacrificing the sterile and other advantages of the dressing of my prior invention, I am enabled to effect certain desirable economies in the fabrication and packing of the article aside from the fact that it readily lends itself to the convolute form so much desired by the trade.

The nature, characteristic features and scope of the invention will more readily be understood from the following description taken in connection with the accompanying drawing, forming a part hereof, wherein

Figure 1 is a perspective view of a roll of emergency dressing embodying my improvements.

Figs. 2 and 3 are details of the pad assembly; and

Fig. 4 is a detail of a detached strip of dressing.

The invention contemplates surgical adhesive tape with interrupted pad areas, that is to say, in practicing the invention, I apply pads or compresses 5 at spaced intervals to the adhesive face of surgical tape 6 and wind the assembly on spools 7. The spacing of the pads not only makes for smooth winding, but by reason of the fact that the gaps or intervals are adhesive faced and cling to the roll, single dressing delivery is insured and the next adjacent pad or dressing is safeguarded against undesirable contact without the requirement of a separate facing cloth. In the further advancement of this thought the adhesive tape is marginally nicked or partly severed, as at 8, midway between the pad covered areas as a means of guidance for the uniform parting of the dressings.

The pads, by preference, are composed of a core or filling 9 of soft cotton ranging the full width of the adhesive tape and enclosed in a soft gauze tube or envelope 10. The envelope casing 10 is a strip sufficiently long to enfold the filling and to provide lapped edges 11. The pad assembly, consisting of the soft cotton bat or filling and the soft external body or inclosing element, is applied to adhesive tape of similar transverse dimension, with the lapped edges of the pad or dressing in direct contact with the adhesive face so that upon the application of moderate pressure an effective bond results which secures the pad components and also the pad with relation to the tape. As thus applied, the intact face of the gauze is uppermost, its sides 12 are closed at the marginal limits of the tape and its open portions 13 are directed endwise of the tape. Since as before stated, the spacing of the pads insures adhesive gripping or bonding of adjacent convolutions, it is evident that there is adequate pad protection, even to the extent of the single delivery feature heretofore remarked upon. It is further manifest that the construction and arrangement whereby, without sacrificing sterility, it is possible to omit the facing cloth, has the further merit that it makes for smooth and compact winding or reeling.

Having described my invention, I claim—

1. Emergency dressing, embodying surgical tape and pads disposed at intervals throughout the length thereof, said pads comprising a soft core of bat form and soft gauze enveloping the same, the gauze being in the form of a strip having its terminals beneath the core and secured by the adhesive surface of the tape.

2. A rolled emergency dressing comprising surgical tape equipped on its adhesive face with pads separated by exposed areas of the adhesive face, the pads including a gauze envelope enclosing the pads next the side edges of the tape, the exposed adhesive areas of the tape serving to bond the several convolutions of the roll to enclose and protect the pads, the gauze envelope protecting the

edges of the pad otherwise exposed at the edges of the roll.

3. An emergency dressing embodying surgical tape and pads at intervals throughout the length thereof, said pads being coextensive with the width of the tape and including a soft core and a gauze envelope, the ends of the latter enclosing the edges of the core adjacent the side edges of the tape and having its terminals positioned beneath the core and secured by the adhesive surface of the tape.

In testimony whereof I affix my signature.

ENSIGN E. DICKSON.