April 1, 1930. C. W. BARTH 1,753,106

SURGICAL DRESSING

Filed Feb. 10, 1928

Fig. 1.

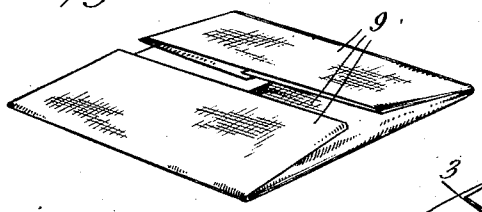


Fig. 2.

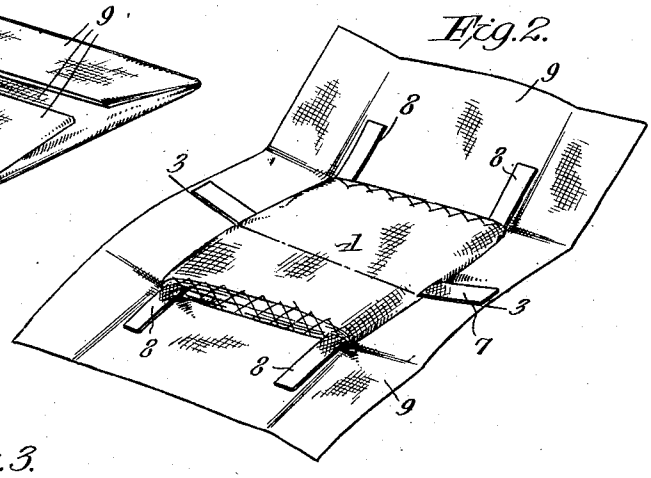


Fig. 3.

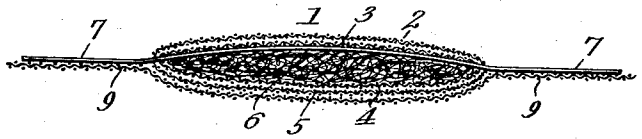


Fig. 4.

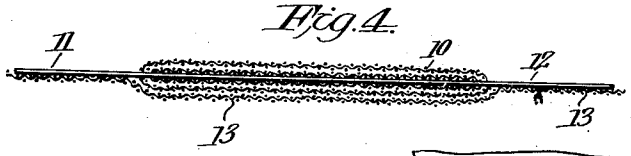
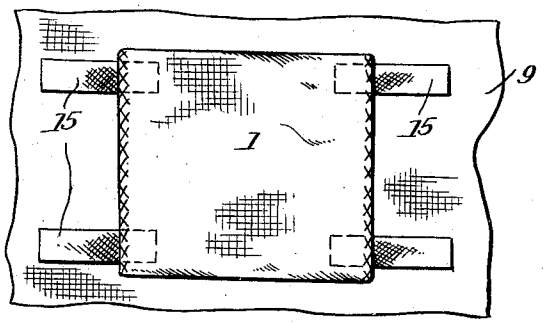


Fig. 6.



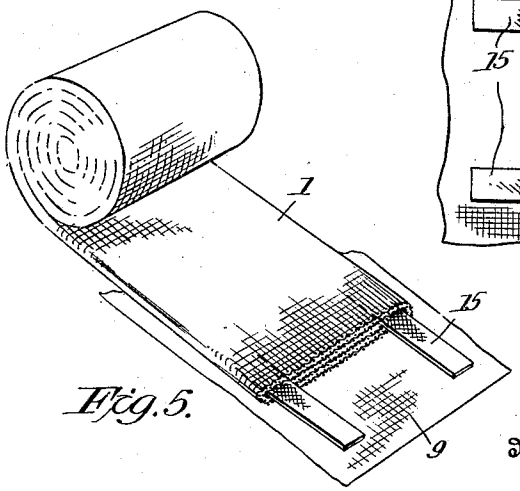


Fig. 5.

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UNITED STATES PATENT OFFICE

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SURGICAL DRESSING

Application filed February 10, 1928. Serial No. 253,386.

The present invention relates to improvements in surgical dressings and the object of the invention is to provide a dressing which will be practically superior to and also more attractive in appearance than the forms commonly in use.

Dressings of the character referred to cannot ordinarily be prepared by inexperienced or unskilled persons and even when prepared by physicians or trained nurses considerable time is required and great care necessary to insure that the wound to which the dressing is applied will not become infected.

By the present invention I provide a dressing which will always be in sterile condition and can be easily applied by any one, thus saving time, and furthermore when in use the dressing will have a maximum efficiency and neat appearance.

With these and other objects in view the invention will be described in connection with the accompanying drawing, in which:

Figure 1 is a perspective view of a dressing embodying the invention, the same being shown in folded condition.

Figure 2 is a view of the same dressing unfolded.

Figure 3 is a section substantially on the line 3—3 of Figure 2.

Figure 4 is a view similar to Figure 3 of a slightly different form of dressing embodying the invention.

Figure 5 is a view illustrating the invention as embodied in the form of an elongated bandage.

Figure 6 illustrates another slight modification.

Dressings embodying the present invention may be of various forms, for example, bandages, compresses, pads, or tampons.

In whatever form the dressing may be, it comprises essentially a body 1 of tubular gauze and means for securing such body in position, said means extending within and being connected to the body interiorly thereof.

Referring particularly to Figures 1 to 3 of the drawing, the body of the dressing comprises a plurality of layers 2, 3, 4, 5, of suitable gauze which surround a body 6 of absorbent material and the securing means includes a strip 7 of adhesive tape which, as shown in Figure 3, extends through the tubular body and projects beyond opposite sides thereof.

As shown in Figure 2, the dressing is preferably also provided with additional adhesive tape strips 8, which extend through the gauze body and the projecting adhesively coated faces of the securing strips 7, 8, and one face of the body 1 are covered by a protecting sheet 9 of suitable fabric, for example crinoline.

This protecting sheet 9 is of considerably greater area than the body 1 and projects beyond the free ends of the securing means so that, as shown in Figure 4, it can be folded to form a complete enclosure or cover for the dressing.

It will be understood that when the dressing is to be used the cover sheet 9 is detached and the gauze body placed over the wound, being secured in position by the projecting portions of the securing means 7, 8.

The cover sheet 9, therefore, provides a means for preventing the face of the dressing which is to be applied to a wound from being handled or becoming infected. Such sheet is very readily detached when it is desired to use the dressing.

If desired, the folded dressings in the form shown in Figure 1, for example, may be packed in suitable containers as an additional protection against soiling or becoming infected.

The tubular body 1 is, as shown, preferably formed from a plurality of layers of suitable gauze and may be provided either by connecting layers of such material with loose stitches or by folding or rolling a sheet upon itself so that it has a tubular or hollow form, or the body may be a suitable length of initially tubular knit fabric.

Figure 4 illustrates a compress, constructed in accordance with the invention, consisting merely of a tubular body 10, having walls of multiple layer construction, suitable adhesive tape sections 11, 12, and a cover or protecting sheet 13.

In the forms shown in Figures 1 to 4 the se-

curing tapes extend through the tubular body and are secured in position therein by their adhesively coated faces. It is not, however, necessary in all cases that the securing strips be relatively as long as shown in Figures 2, 3 and 4. They may be relatively short strips, as indicated at 15, in Figures 5 and 6, one end of each of said strips being secured within the tubular body 1.

In the form illustrated in Figure 6 the body 1 is shown as being in the form of a rectangular pad having four securing strips projecting therefrom and the cover or protecting sheet 9 extending over the adhesively coated faces of the projecting portions of such strips.

Figure 5 illustrates a dressing constructed in accordance with the present invention in the form of an elongated bandage, which has the securing strips 15 at the end, said strips being extended into, and fixed within, the tubular body, the adhesively coated faces of the projecting portions of such strips being covered by the protecting sheet 9.

The gauze of which the body of the improved dressing is made and the absorbent pad therein, if such is used, will be initially sterilized and if desired the layer of the body which is to contact with a wound may be impregnated with a suitable antiseptic at the time of manufacture.

After the dressing has been completed it can be further sterilized and sealed in a suitable casing or envelope whereby it will be protected from contamination.

To apply the dressing it is only necessary to remove the sheet of crinoline, which normally covers the adhesive coated faces of the projecting portions of the securing tapes and place the body 1 over a wound, in which position it will be retained by said tapes. The portions of the tape connected to the body of the dressing are within said body out of sight so that the dressing presents a neat, attractive appearance.

The body being of multiple layer gauze admits air to the wound to which the dressing is applied, which assists the healing while if a pad 6 is used it will absorb the discharge of suppurating wounds.

The invention avoids having any adhesive from the securing tapes on the outer surface of the dressing and the crinoline sheet which covers the exposed portions of the securing means can be easily detached.

While the drawing illustrates several forms in which the improved dressing may be produced it is of course to be understood that the invention is not limited to any particular form.

Having thus described the invention, what is claimed as new is:—

1. A surgical dressing comprising a multiply body of gauze, means for securing such body in position over a wound including a plurality of relatively narrow members permanently connected to the body and projecting from two opposite edges thereof, one face of each of said projecting portions being provided with an adhesive coating, and a readily detachable covering for the adhesive coated faces of said projecting portions, for the purpose described.

2. A surgical dressing comprising a multiply body of gauze and two relatively narrow strips of adhesive tape extending through the body adjacent opposite edges and projecting beyond the ends thereof, said strips being permanently connected to the body by the adhesive thereon and the projecting portions thereof providing means for securing the dressing in position over a wound.

3. A surgical dressing comprising a tubular body of gauze, a pad of absorbent material within the body, two relatively narrow strips of adhesive tape extending through the body adjacent opposite edges, and projecting beyond the ends thereof, said tape strips being secured within the body by the adhesive thereon, and the projecting portions providing means for securing the dressing in position over a wound, and a readily detachable cover sheet extending over the adhesive coated faces of the projecting portions of the tapes and the body of the dressing.

In testimony whereof I have hereunto set my hand.

CLARENCE W. BARTH.