F. K. ALEXANDER.

SURGICAL BANDAGE OR SPLINT.

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1,070,869. Patented Aug. 19, 1913.

Fig. 2.

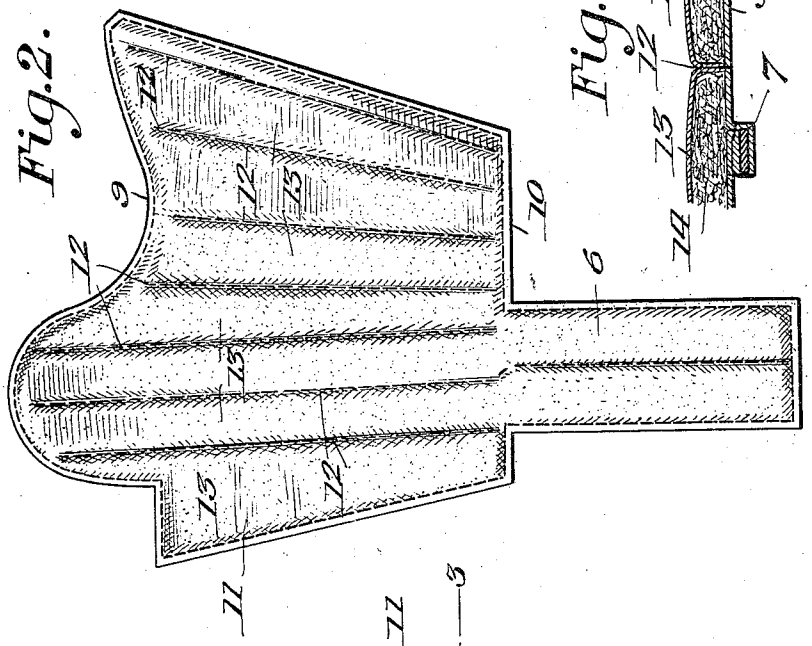
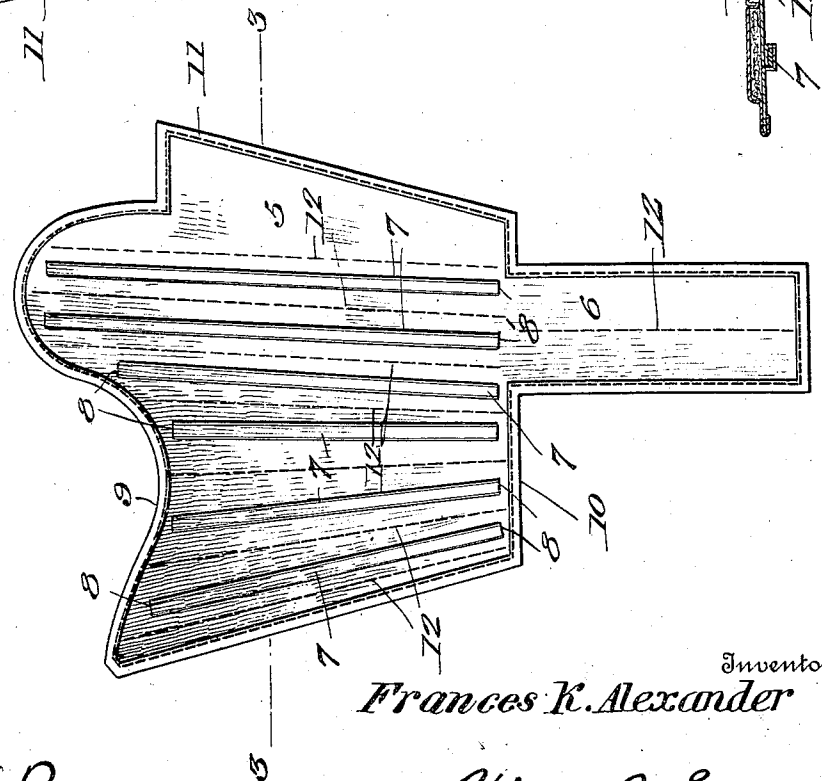


Fig. 4.

Fig. 3.



Fig. 1.



Witnesses

Philip E. Barnes

Richard E. Cavanagh

Inventor

Frances K. Alexander

By Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

FRANCES K. ALEXANDER, OF BERKELEY, CALIFORNIA.

SURGICAL BANDAGE OR SPLINT.

1,070,869. Specification of Letters Patent. Patented Aug. 19, 1913.

Application filed August 2, 1911. Serial No. 641,989.

To all whom it may concern:

Be it known that I, FRANCES K. ALEXANDER, a citizen of the United States, residing at Berkeley, in the county of Alameda and State of California, have invented new and useful Improvements in Surgical Bandages or Splints, of which the following is a specification.

This invention relates to certain novel and useful improvements in casings or bandages adapted to be employed in treating and dressing broken limbs and bones, or fractures of the same, and other bodily injuries.

In carrying out my invention, it is my purpose to provide a surgical bandage which is provided with casings or pockets adapted to contain a suitable medicament, such as hops or other suitable substance, the bandage being so constructed and arranged that it may be fitted over the injury and fastened in position in such manner as to fit comfortably, and to alleviate the intense pain, due to contracting nerves, a condition which frequently causes delirium and deformities.

A further object of my invention is to provide a simple form of bandage in which the splints and medicament containing casings will be so arranged that the bandage may be placed upon the injured limb in such manner as to completely cover the same. Furthermore, my improved bandage may be manufactured and marketed at a relatively low cost.

With the above-recited objects and others of a similar nature in view, the invention consists in the construction, combination and arrangements of parts, set forth in and falling within the scope of the appended claim.

In the accompanying drawing: Figure 1 is a front view of a bandage embodying my invention. Fig. 2 is a rear view of the same. Fig. 3 is a horizontal sectional view taken on the line 3—3 of Fig. 1. Fig. 4 is an enlarged detail cross sectional view, taken through a portion of the casing, showing the construction of the pockets and the splints.

In the present instance, I have shown a form of bandage which is adaptable for use in the case of a hip joint fracture. In the treatment of such an injury the longest splint extends from just below the point of the hip bone, to the heel. The remainder of the bandage is brought under the limb and over the front of the foot, being firmly fastened with strips of rolled bandage. Especial attention should be given to the wrapping of the foot with the extension, which passes up the sole loosely over the toes and top of the foot to a point above the ankle to assist angle weights.

Referring now to the accompanying drawings in detail, the numeral 5 designates the outer facing of the body portion of the bandage which in the present instance is shaped for a hip bandage, said facing being made of strong antiseptic cloth and is provided at its lower end with an extension 6 of the same material designed to be used in wrapping the foot, as above mentioned. To the outer face of the portion 5, I stitch a suitable number of splints 7, which extend vertically of such space and are suitably spaced apart and terminate at their ends 8 about three-quarters of an inch from the top and bottom edges 9 and 10, respectively, of the main body portion. The back or lining of the bandage which is cut in shape to conform to the front or facing is preferably formed of a soft antiseptic cloth sewed in alternate lines between the stitching of the splints, said lining being indicated by the numeral 11 while the lines of stitching are shown at 12 and the plaiting at 13. The lining previous to attaching the same to the facing is folded or plaited in such manner as to let the edges of the plaits meet after the pockets formed by the same have been stuffed or filled with a suitable medicament 14 such as clean ripe hops containing a large percentage of pollen. The object of employing hops is to allay the severe pain, as hops being a tonic and febrifuge has the desired effect. The edges of the lining preferably extend over the edges of the facing as shown at 13 to form a binding for the bandage.

It will be noted that I have provided an exceedingly simple form of bandage which will be found especially effective in the treatment of severe fractures and other injuries to the bones of the body. In the present instance I have shown my bandage in the form of a casing for dressing a leg, but it will be understood that the invention may be made up in other forms, such as a bandage for broken ribs and other purposes.

I claim:—

A surgical bandage comprising a facing

of antiseptic fabric shaped to conform to the curvature of the hip and provided at its lower end with an extension to form a foot bandage, a plurality of longitudinally extending splints attached to the main portion of the front of said facing and spaced apart, and a lining attached to the inside of the main portion of said facing and stitched thereto in alternate lines between the splints and having longitudinally extending plaits spaced apart and forming pockets, each of a length greater than that of the splint at the opposite side of the facing and designed for the reception of a medicament, said pockets being each of a width greater than that of the adjacent splint.

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

FRANCES K. ALEXANDER.

Witnesses:
CAROLINE A. HABROOK,
AGNES L. RICHTER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."