No. 790,427. PATENTED MAY 23, 1905.

E. F. FROST.

BANDAGE ROLLER.

APPLICATION FILED MAR. 14, 1904.

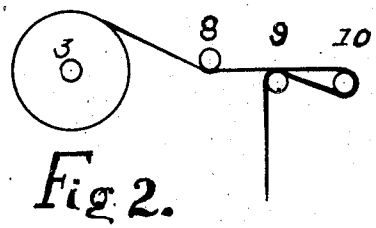


Fig. 2.

Fig. 1.

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Witnesses

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UNITED STATES PATENT OFFICE.

ELLIS F. FROST, OF WASHINGTON, DISTRICT OF COLUMBIA.

BANDAGE-ROLLER.

SPECIFICATION forming part of Letters Patent No. 790,427, dated May 23, 1905.

Application filed March 14, 1904. Serial No. 198,111.

To all whom it may concern:

Be it known that I, ELLIS F. FROST, a citizen of the United States, residing at Washington, District of Columbia, have invented certain new and useful Improvements in Bandage-Rollers, of which the following is a specification.

My invention relates to bandage-rollers.

The object of my invention is to produce a detachable hand bandage-roller which shall be novel, simple, and practical.

My invention consists of a detachable bandage-winding part mounted upon a suitable support, combined with detachable means adapted to guide the bandage and mounted upon the said support, the said support being adapted to incase the said detachable portions when not in use, all of which is particularly described in this specification, and of which the accompanying drawings, illustrating my invention, are a part.

In the drawings, Figure 1 is a perspective view of the instrument when assembled. Fig. 2 is a view in diagram, showing the material in position on the supports.

Like numbers in the two figures denote like parts.

The casing or support 1 is preferably oval-shaped in cross-section and made of wood or other suitable material. On its axial line, near one end and through its minor diameter, a hole 2 is bored to receive a winding part consisting of a shaft 3 and a crank-handle 4, both preferably in one piece. The shaft is preferably squared except the portion included in the support. The shaft 3 is so designed as that it can be easily passed through the hole 2. In the support 1 are also several borings, as 5, 6, and 7, parallel to the shaft-boring, designed to receive guide-rods 8, 9, and 10 and preferably so placed that the lower part of the circumference of the guide-rod 8 is on a level of the upper part of the circumference of the shaft 3, the upper parts of the circumferences of the guide-rods 9 and 10 being on a level with the lower part of the circumference of the guide-rod 8. When the shaft 3 and the guide-rods 8, 9, and 10 are mounted for use, they will extend from the same side of the support in a parallel direction.

The operation of the instrument as thus assembled is as follows: The end of a bandage 16 is wound for a few turns around the shaft 3 and then passed, preferably, under the guide-rod 8, over and around the guide-rod 10, and back over the guide-rod 9. This causes the portion of the bandage between the guide-rods 9 and 10 to press on the portion over the guide-rod 9, and thus give a certain tension to the bandage while being wound. The support is grasped in one hand by the end 11 and the crank 4 turned so as to wind the bandage on the shaft 3. When the whole bandage is wound on the shaft 3, if it is not wound sufficiently tight the bandage is then grasped by one hand and held while the crank 4 is turned to sufficiently tighten the bandage. The bandage is then slipped off the shaft 3.

A hole 12 is bored in the end 13 of the support 1 and near the lower edge thereof of sufficient depth to receive the shaft 3 and the guides 8, 9, and 10, the support being further recessed to receive the crank 4 in the recess 14. Fitting over the end 13 of the support 1 is a cap 15, designed to act as a cover for the case when desired. If desired, bushings may be placed in the holes 2, 5, 6, and 7 to receive the shaft and guides.

I claim—

In a hand bandage-roller, a chambered support, a crank and shaft and guides mounted thereon in operative relation therewith and detachable therefrom and adapted to be incased by said support when detached.

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

ELLIS F. FROST.

Witnesses:

W. W. POULTNEY,

FRANK MCCHESNEY.