

No. 700,940.

Patented May 27, 1902.

R. W. JOHNSON.  
BANDAGE.

(Application filed Mar. 3, 1902.)

(No Model.)

Fig. 1

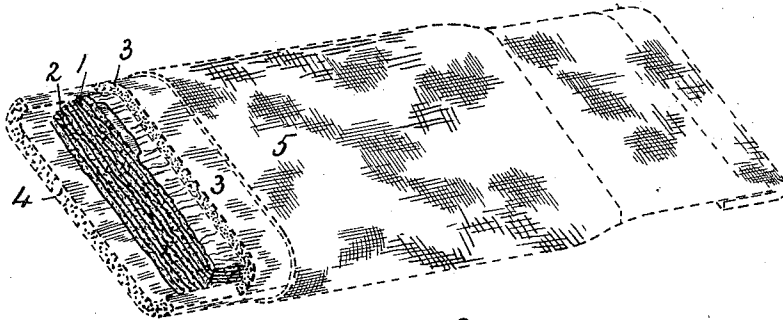
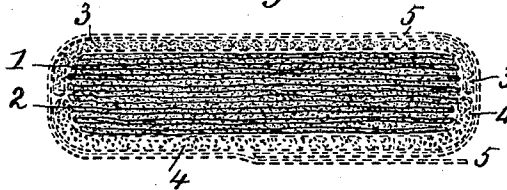


Fig. 2



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# UNITED STATES PATENT OFFICE.

ROBERT W. JOHNSON, OF NEW BRUNSWICK, NEW JERSEY.

## BANDAGE.

SPECIFICATION forming part of Letters Patent No. 700,940, dated May 27, 1902.

Application filed March 3, 1902. Serial No. 96,401. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT W. JOHNSON, a citizen of the United States, residing at New Brunswick, in the county of Middlesex and State of New Jersey, have invented certain new and useful Improvements in Bandages, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to surgical bandages, and is particularly suitable as a catamenial bandage.

The objects of my invention are to produce an inexpensive bandage having in its interior a series of layers of cobwebby rumpled cellulose tissue or paper, with a very thin bat of absorbent cotton between each of the sheets of rumpled paper, and above said layers a thicker layer of absorbent cotton, and under the layers of tissue-paper a thick layer of natural or non-absorbent cotton, the whole retained connected together with gauze textile, as illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of a portion of a bandage constructed in accordance with my invention, said portion being cut off a short distance from one end of the bandage, the component parts thereof being cut in the form of steps to show a portion of the surface of each material. Fig. 2 is a transverse section of the same on a slightly larger scale.

In said drawings, the numeral 2 represents a series of superposed layers of cobwebby rumpled cellulose tissue or paper obtained from wood-pulp mixed with hot water and made to pass on a sieve and around cylinders in a very thin sheet, where it is partly dried and then scraped therefrom. The production of said rumpled cellulose paper and its nature are fully described in United States Patent No. 468,480, dated February 9, 1892. Although said cellulose tissue-paper is very soft and flexible, sheets of it rubbed together do not become matted, as carded wood-pulp or cot-

ton fibers are liable to be, and it has enough cohesion to retain its form even when subjected to friction, and this is of importance in catamenial bandages. Although there would be a certain amount of cohesion between a series of sheets of rumpled paper on account of said rumpled condition, it is desired to have still more adhesion between the sheets, and for this purpose a very thin bat or small amount of fibers of absorbent cotton (shown by dots at 1) is placed between each sheet of paper. The bat being preferably as thin or even thinner than one of the sheets of tissue-paper, there is no danger that it will become matted to an appreciable amount by friction.

Upon the layers of rumpled cellulose tissue 2 is placed a layer of absorbent cotton 3, of a thickness equal to about three or more sheets of said paper, and under it a layer of non-absorbent cotton 4 as obtained directly from the seed and slightly thicker than the layer of absorbent cotton, and the whole is inclosed in a strip of gauze textile, as cheese-cloth, of such a width that the edges will overlap each other a sufficient distance to wholly protect and unite the component parts of the bandage against displacement when in use.

Having now fully described my invention, I claim—

An absorbent bandage consisting of series of layers of rumpled cellulose tissue-paper, a very thin bat of absorbent cotton between each layer of rumpled paper and adhering thereto, a thicker layer of absorbent cotton above said rumpled paper, another thick layer of non-absorbent cotton under said rumpled paper and a textile covering inclosing all the layers substantially as described.

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

ROBERT W. JOHNSON.

Witnesses:

H. B. HINE,  
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