

(No Model.)

J. W. JOHNSON.
LINT PACKAGE.

No. 466,892.

Patented Jan. 12, 1892.

Fig. 1.

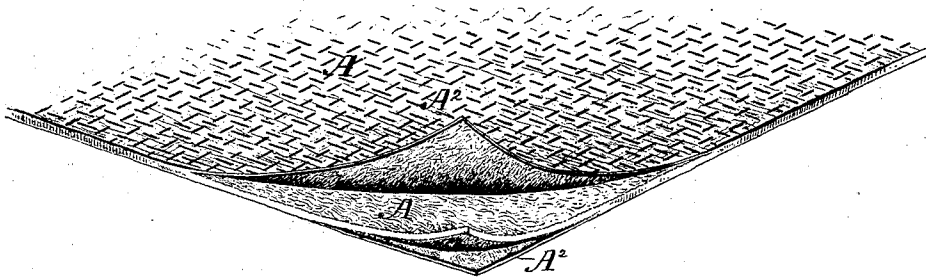


Fig. 2.



Fig. 3.



Witnesses
L. C. Mills
C. C. Schuller

Inventor
James W. Johnson,
by *E. E. Masson*
his Attorney

UNITED STATES PATENT OFFICE.

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

LINT PACKAGE.

SPECIFICATION forming part of Letters Patent No. 466,892, dated January 12, 1892.

Application filed May 21, 1891. Serial No. 393,592. (No model.)

To all whom it may concern:

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

The object of my improvement is to provide absorbent lint in compact form and flexible packages, to adapt it to be conveniently used by dentists as an absorbent or as lint in dressing wounds, and although highly absorbent will leave no fibers adhering to the parts to which it is applied. I attain these objects with the lint or dressing shown in the accompanying drawings, in which—

Figure 1 represents a portion of a lint package or a sheet thereof obtained in accordance with my invention. Fig. 2 is a cross-section of the same. Fig. 3 is a cross-section of a sheet of compressed absorbent cotton coated with starch upon one side only.

The package consists of a thin homogeneous bat of well-carded absorbent cotton A, that may be medicated with antiseptics—such as iodoform, carbolic acid, corrosive sublimate, &c. Said bat of cotton has either one or both its top and bottom surfaces A² coated and impregnated with a thin solution of starch or other glutinous or adhesive gums that extend substantially the whole distance within its body by suitable means, the means preferred forming the subject of a companion application for patent. The thin coating of starch causes a certain thickness of the superficial fibers of the bat to remain united together, and said bat of absorbent cotton with its coated and impregnated surfaces is subjected to a moderate pressure between rolls preferably covered with canvas or wire-cloth that causes the solution to sink deeper and gives a pebbled appearance to the starchy surface or surfaces and that reduces the thickness of the bat to that of thick blotting-paper and nearly its consistency, although its body within the two surfaces A², having but little starch incorporated within, retains the appearance of a well-carded but compact bat.

In the drawings the parts are slightly magnified, and in Fig. 1 the starched surfaces A² are shown partly pulled apart from the internal material or body to show the impregnation with gum sizing or starch of the top and bottom surfaces that permit them to be pulled apart from the bat without materially disturbing the central portion.

In Fig. 3 only one surface A² is shown impregnated with sizing or starch.

The lint package above described differs from ordinary cotton-batting, first, in the material used, which is highly absorbent cotton; second, in the thickness given to the bat; third, in the relative proportions of the starch-impregnated surface or surfaces to the interior thickness of the body of the bat, said proportions being nearly equal; fourth, in the compacted form of the material that permits a large sheet thereof to stand upon its edge without having its upper part topple over, and, fifth, in the indented or pebbled appearance given to the starch-impregnated surface. Consequently there is no difficulty in distinguishing the above prepared and described absorbent lint package from the heretofore surface glazed and prepared cotton in common use.

Having now fully described my invention, I claim—

1. As a new article of manufacture, an absorbent cotton-lint package consisting of an homogeneous absorbent cotton-bat formed in a thin sheet having one of its surfaces impregnated with a solution of starch pressed therein in proportion to the thickness of the package, substantially as described.

2. As a new article of manufacture, an absorbent cotton-lint package consisting of an homogeneous absorbent cotton-bat formed in a thin sheet having its top and bottom surfaces impregnated with an adhesive solution pressed therein and indented or pebbled, substantially as described.

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

JAMES W. JOHNSON.

Witnesses:

THOS. G. PHINNY,
JOHN A. LAW.