

FOR SPECIAL RECERTAGLES & PACKAGE
Surgical supplies.

No. 829,923.

PATENTED AUG. 28, 1906.

J. E. LEE.
PACKAGE FOR SURGICAL DRESSINGS.
APPLICATION FILED NOV. 28, 1905.

2 SHEETS—SHEET 1.

Fig. 1.

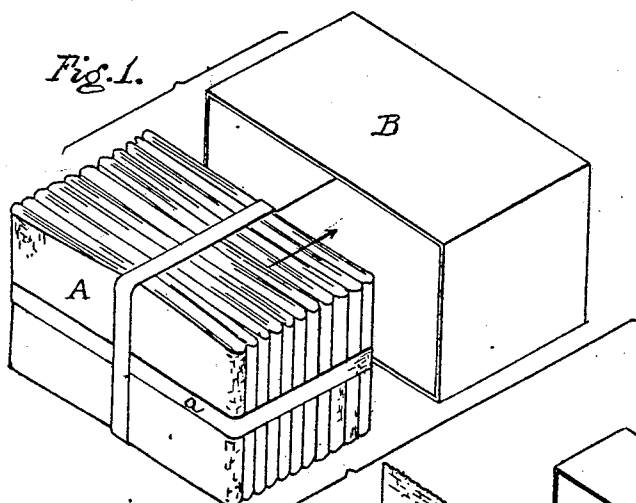


Fig. 2.

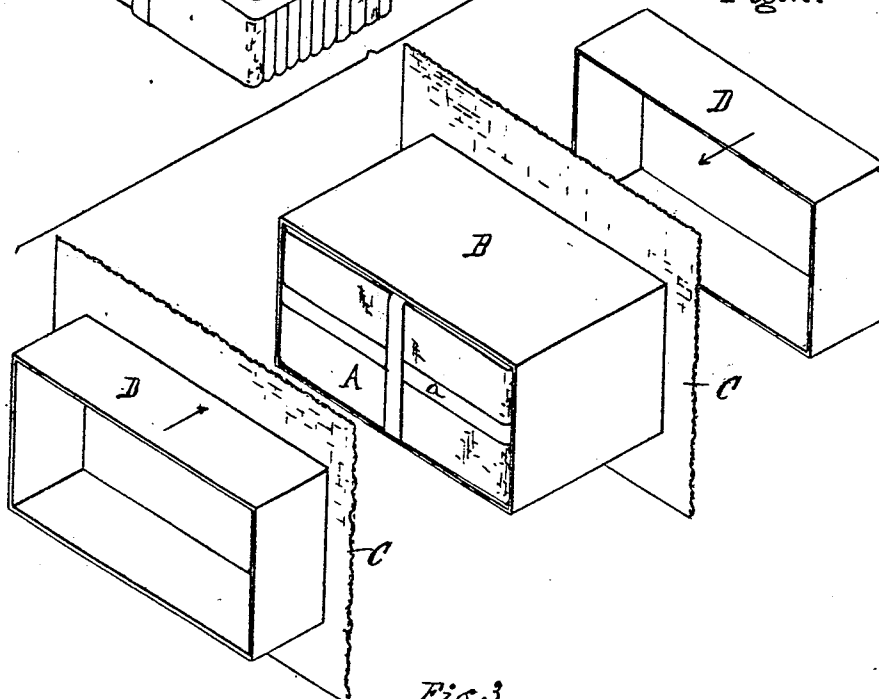
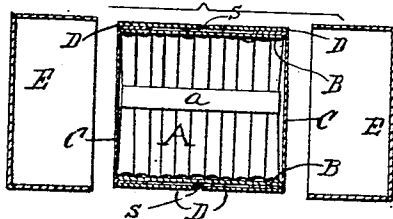


Fig. 3.



WITNESSES

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2 SHEETS—SHEET 2.

Fig. 4.

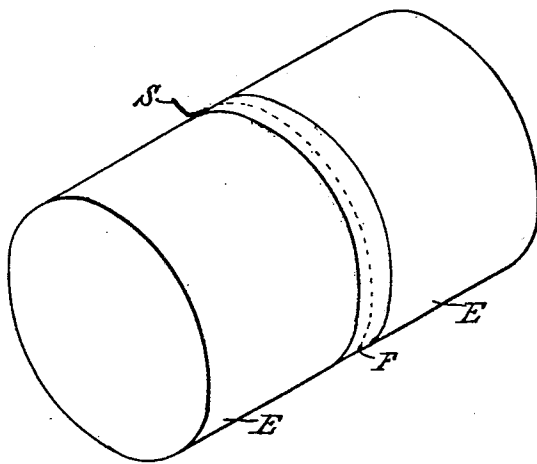
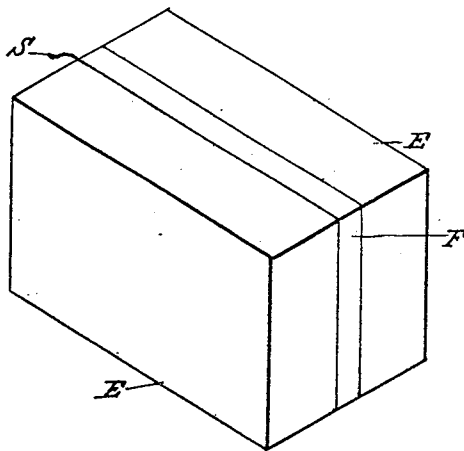


Fig. 5.

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PACKAGE FOR SURGICAL DRESSINGS.

No. 829,923.

Specification of Letters Patent.

Patented Aug. 28, 1906.

Application filed November 28, 1905. Serial No. 289,498.

To all whom it may concern:

Be it known that I, JOHN ELLWOOD LEE, a citizen of the United States of America, residing in Conshohocken, in the county of Montgomery, in the State of Pennsylvania, have invented certain new and useful Improvements in Packages for Surgical Dressings, of which the following is a specification.

My invention relates to sealed packages, especially of sterilized dressing or medicated gauze, lint, cotton, or the like.

The object of my invention is to produce a box or package of comparatively cheap and simple construction whereby the dressing may be packed, compressed, sterilized, and hermetically sealed without danger of contaminating the contents by handling after it has been sterilized.

In the accompanying drawings, Figure 1 is a perspective view of the gauze package and a part of the box. Fig. 2 is a perspective view of the parts forming the inner seal about to be assembled. Fig. 3 is a sectional view of the package, the outer case about to be applied. Fig. 4 is a perspective view of the complete package, and Fig. 5 is a perspective view of a modification.

In the form of package which is shown in Figs. 1 to 4, inclusive, and with reference to which my invention will be especially described, the dressing is folded up and compressed tightly into a suitable form A and may be tied with a band *a* to prevent its swelling beyond the limits of its casing while being sterilized. A rectangular casing B, open at both ends, is provided to receive the compressed gauze, which sticks more or less tightly within the casing. The casing may be lined with suitable fabric germ-filter or germ-straining material adapted to be folded over the gauze at the ends, if desired; but to avoid confusion it is not so shown in the drawings. Before putting the casing B with its compressed dressing in the sterilizing-machine a strainer or filter cloth C of gauze or paper or like material is put over each end of the casing B. In order to hold the straining or filter cloth C in position, bands D, preferably of pasteboard, although bands more or less elastic could obviously be used, are shoved over the overlapping sides of the gauze cloths C onto the outside of the

casing B. These bands D come together at the center when fitted over the casing and form the inner seal. When in position, Fig. 3, a string S, long enough to go more than twice around the box, is laid in the crevice between the frames D and wound around once. The string is then covered and sealed with a paste or preparation which is impervious to the vapor of the sterilizing operation. The packages are then placed in the sterilizer, where they are treated by the vacuum steam process or any equivalent process. The vapor passes directly through the filter-cloths C and the open ends of the casing B to the gauze itself, every layer of which becomes sterilized. At the completion of this operation the package is removed from the machine and the top and bottom lids E E, Fig. 3, which have become sterilized, are quickly put on over opposite ends and pushed into place until the flanges meet in the center. The remaining part of the string S, which has been left, is now wound around the joint and a strip of paper or tape F, Fig. 4, is then pasted over the joint to hermetically seal the package, so that the contents will be kept sterile until opened. One end of the string S is allowed to project, so as to provide a convenient means for opening the package. By pulling the one string both seals will be cut or broken, after which the lid E and cloth C may be removed and the package of gauze itself may be withdrawn. The cylindrical form shown in Fig. 5 is substantially the same.

I claim as my invention—

1. A package of the character described, comprising a folded package of dressing material, compressed and an inclosing casing therefor open at opposite ends, in combination with germ-filter cloths placed over the open ends, bands for holding said cloths in position, and means for sealing the joint where said bands come together.

2. A package of the character described, comprising a folded package of compressed dressing, an inclosing casing therefor, and means for sealing said casing against germs, in combination with an outer casing inclosing said inner casing, means for sealing said outer casing, and a single means for breaking both the inner and outer seals.

3. A package of the character described,
comprising a tube adapted to contain the
dressing, and filter-covers adapted to fit over
the ends of said tube, in combination with an
5 outer casing adapted to inclose said tube and
covers, and means for hermetically sealing
said outer casing.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

JOHN ELLWOOD LEE.

Witnesses:

M. E. WRIGHT,
E. M. LEWIS.