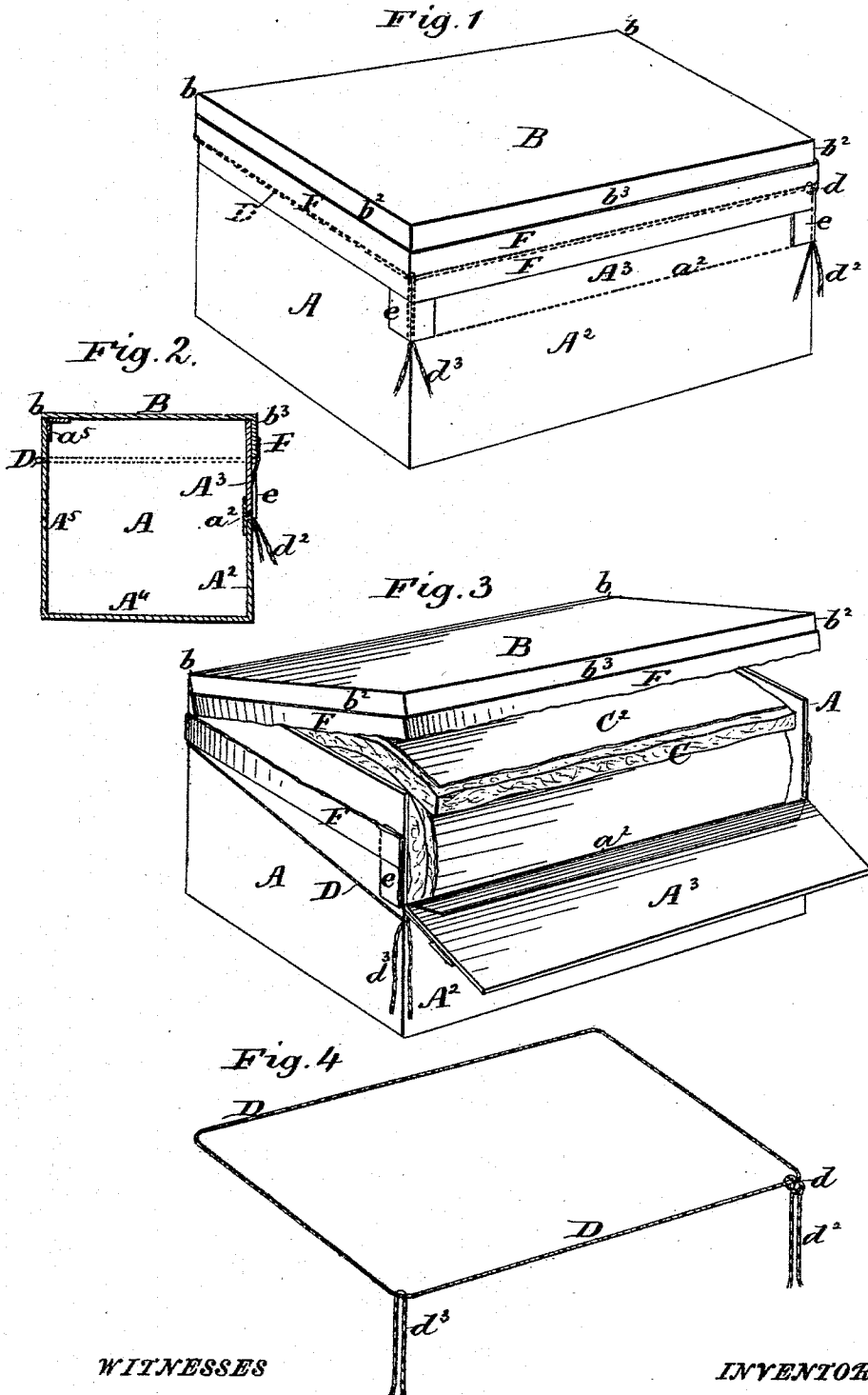


(No Model.)

R. W. JOHNSON.
BOX CLOSURE.

No. 515,865.

Patented Mar. 6, 1894.



WITNESSES

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

BOX-CLOSURE.

SPECIFICATION forming part of Letters Patent No. 515,865, dated March 6, 1894.

Application filed January 4, 1894. Serial No. 495,616. (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, State of New Jersey, have invented certain new and useful Improvements in Box-Closures, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to improved means for securing the covers of paper boxes so as to render their contents substantially air tight, and means for releasing said covers when said contents are to be used; and the objects of my improvement are to combine with a box having the upper half of one of its sides hinged to its lower half, and a hinged cover provided with flaps; strips of paper pasted thereon to cover not only the joints between the flaps of the cover and the body of the box, but also the joints between said body and the hinged half of one of its sides; and to provide under said strips of paper a cord to serrate them vertically and horizontally when the material within the box, (in the present instance a septic absorbent cotton,) is to be used. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of a box constructed and sealed in accordance with my invention. Fig. 2 is a transverse vertical section of the same on a smaller scale. Fig. 3 is a perspective view of the box with the sealing strips centrally split lengthwise thereof, the serrating cord being shown lowered to a position under said strips, the front of the hinged cover partly lifted, and the hinged upper half of the front of the box lowered, to permit access to the roll of absorbent cotton therein. Fig. 4 is a perspective view of the seal serrating cord or cords.

In said drawings A A represent two of the sides of the box, A² the lower half of the front permanently secured to the sides A A and to the bottom A⁴ of the box. The upper half A³ of the front is flexibly secured to the upper edge of the front A² by means of a strip a² of strong paper or of textile material on the inner side thereof that constitutes a hinge between said parts, the location of said hinge being shown by the dotted lines a² in Fig. 1. The rear edge of the box cover B is flexibly

secured on line b b to the upper edge of the back A⁵, by means of a strip a⁵ of strong paper or of textile material that constitutes a hinge between said parts. Said cover is provided with two side flaps b² and a front flap b³. The ends of said flap b³ are united to the flaps b² by means of the paper lining and covering in the usual manner, and said flaps b² are made to overlap the sides A² of the box, while the front flap b³ overlaps the upper edge of the hinged front A³ while the latter stands vertically.

To seal the box substantially hermetically after it has been filled or partly filled, with a coiled bat of absorbent cotton as shown at C, and also to permit said box to be promptly and easily unsealed without necessitating the use of a knife after it has reached the physician or surgeon for whom it is intended, a cord D is made to encircle the box close under the edge of the flaps of the cover, and has its ends tied together at d adjacent to one of the ends of the hinged front A³, and the ends d² of said cord are left of sufficient length to hang not only in front of the joint occurring between the end of the front A³ and the side A², but below the hinge a² so as to be readily grasped. A small loop of cord d³ is also made to straddle the cord D at a point corresponding with the opposite end of the hinged front A³. After the cord D has been properly located upon the box with its ends d² and loop d³ as shown, said ends and loop are retained sealed to the angles of the box by means of strips e, of paper pasted upon them to the box, said strips also tightly closing the joints between the ends of the front A³ and the sides A A. The front of the hinged cover B is then brought down until it rests on the upper edge of the front A³ and its flaps overlap the upper portion of said front and the sides A A, and said cover is sealed to said parts A A, and A³ by means of a strip of paper F pasted over their joint, at the same time retaining the cord D under the sealing strip midway of its long edges.

To unseal the box after it has reached the person who is to use its contents, said person first grasps the ends d² of the cord and while retained under tension, elevates them, and thereby tears vertically the strip e and part of the strip F that covered the upper portion

of said ends. The same operation is repeated at the opposite corner of the box, with the loop d^3 , furthermore, said loop is made to travel along the whole length of cord F, and thereby tears the strip F the whole length thereof midway of its long edges.

As above stated this box is mainly intended to contain aseptic absorbent cotton for surgeons' use, that is arranged in compact coils of tissue paper that also help to protect it from contact with the air and from the organisms in suspension in the air after the box has been opened. To cut a length of the coiled strip of cotton, it is not needed that the roll should be removed from the box; and as it is not needed that the front of the cover B should be lifted more than to simply release the front A^3 said cover remains a constant protection to prevent dust and organisms from falling on top of the coil of cotton.

Having now fully described my invention, I claim—

The combination of a box having its front in two parts, the upper part A^3 hinged to its lower part, a cover hinged to the body of the box and having side flaps and a front flap, a cord encircling the box and having its ends projecting beyond the side of the box, with paper strips pasted over said cord to the flaps of the cover and to the body of the box, and paper strips covering portions of the ends of the cord and sealing the upper part A^3 of the front to the sides of the box substantially as described.

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

ROBERT W. JOHNSON.

Witnesses:

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