

(No Model.)

G. P. KATO, Jr.
BOX OR PACKAGE.

No. 529,033.

Patented Nov. 13, 1894.

Fig. 1.

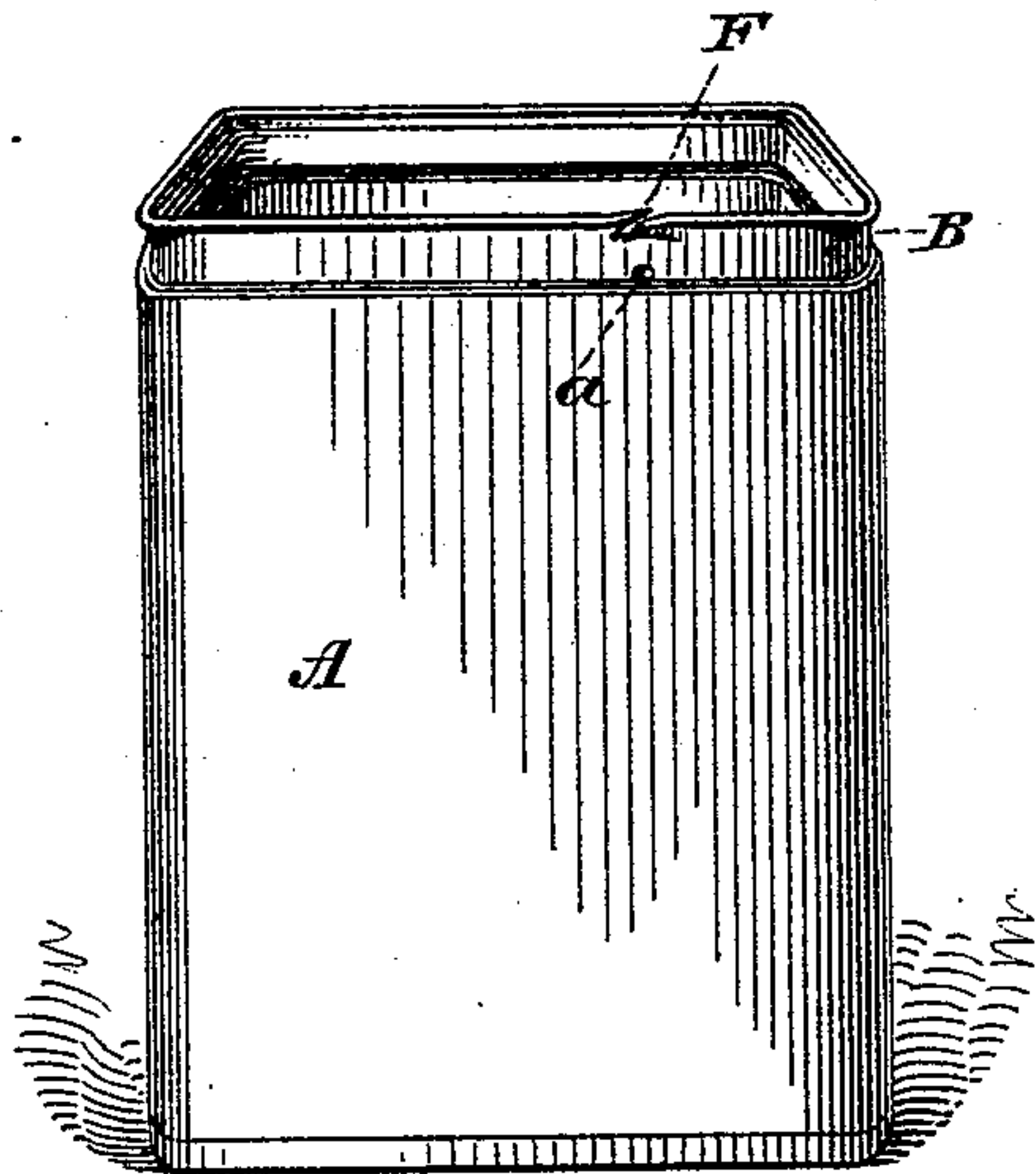


Fig. 2.

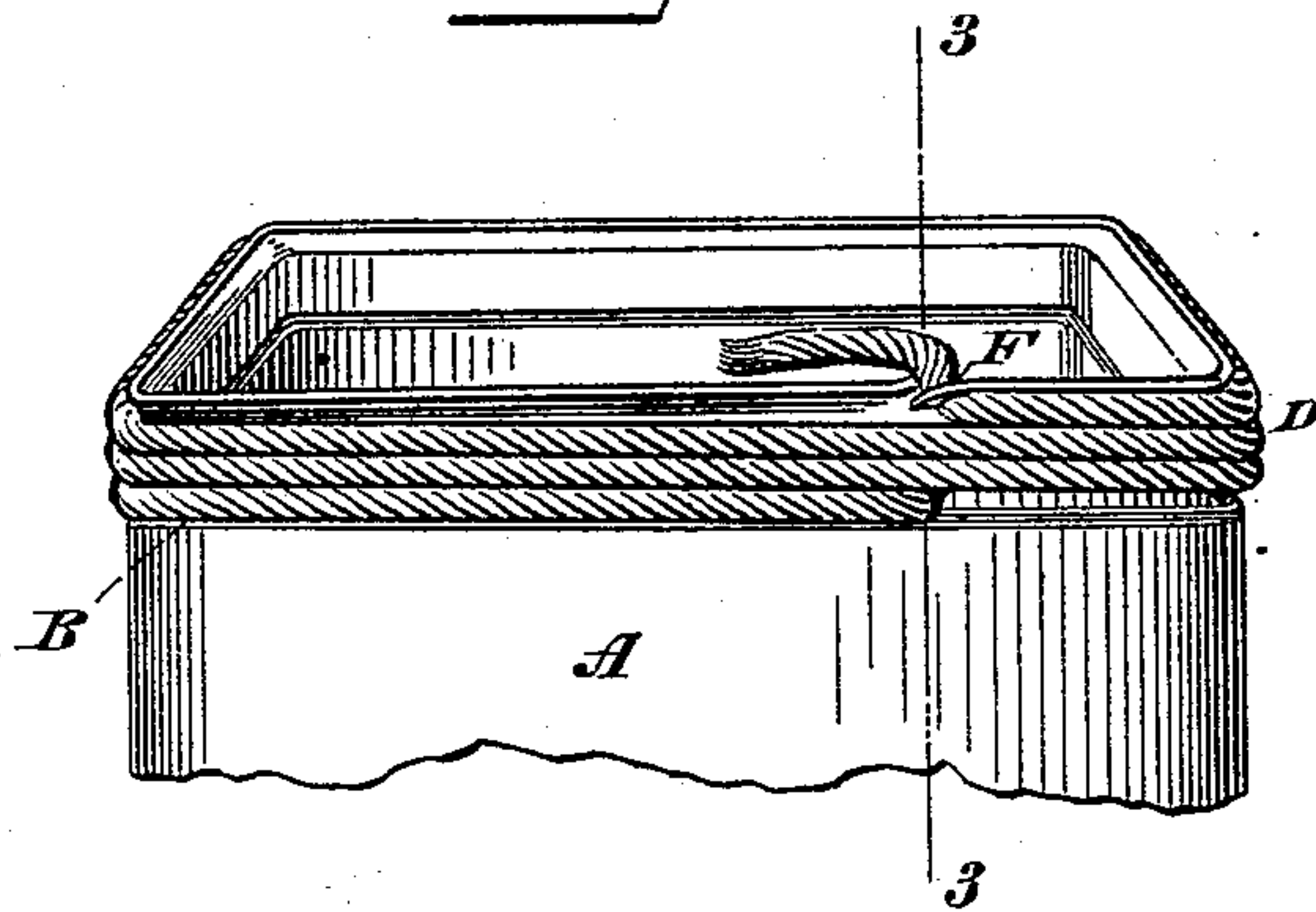
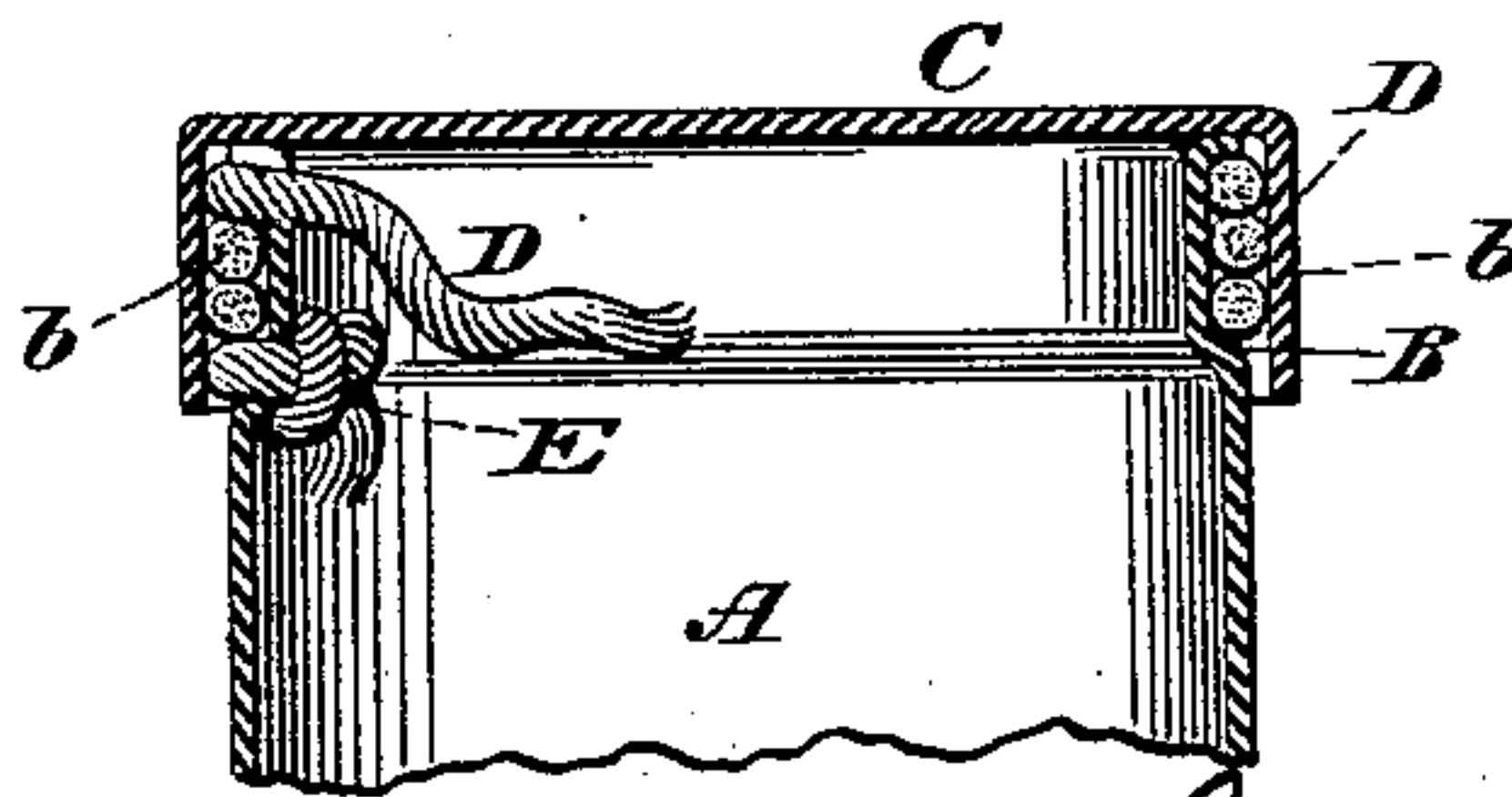


Fig. 3.



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BOX OR PACKAGE.

SPECIFICATION forming part of Letters Patent No. 529,033, dated November 13, 1894.

Application filed March 14, 1894. Serial No. 503,539. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. KATO, Jr., a citizen of the United States, and a resident of Jersey City, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Boxes or Packages, of which the following is a specification.

The invention relates to improvements in boxes and packages and particularly to the classes thereof used for containing powdered commercial products, and said invention consists in novel means for preventing the sifting out of the powdered substances at the vertical joint formed between the lid or cap and the body of the box or package.

In accordance with my invention the upper vertical edges of the body of the box or package are given an annular recess into which is wound a cord, the ends of the latter being suitably secured, and this cord in its thickness extends outward from the said recess a sufficient distance to constitute a very effective and substantial packing intermediate the body of the box and the downwardly extending surrounding flange or rim of the cap or lid therefor. The bottom of the box will be seamed to the body thereof in the usual way, and my invention will be applied to the upper end of the box as a means of permitting the lid or cover to be removably applied and preventing the sifting out of the powdered contents around the upper end of the box during the handling or shipment of the latter.

The object accomplished by my invention is one that has been long sought and various attempts have been made to prevent the sifting out of the powdered contents from boxes and cans, in which such goods have been marketed, but never before so far as I am informed have such attempts resulted in the production of any practical and satisfactory remedy for the evil experienced.

In the preferred form of my invention, I tie a knot at one end of the packing cord and insert the cord from the inner side of the can through an aperture formed at the lower edge of the annular recess therein, drawing the cord through said aperture until the knot closely binds against and seals said aperture, and thereafter wind the cord around said recess until the end of the cord has been

reached, at which time I fasten said end by forcing it into a notch or slit formed in the upper edge of the box. Thus the cord is securely fastened at each end and is located in a recess which will retain it in position and prevent it from being pushed downward during the application of the lid or cover to the box.

The packed joint constructed in accordance with my invention is one of great durability and efficiency and is simple and inexpensive in its production.

The invention will be more readily understood by reference to the accompanying drawings forming a part of this application, and in which—

Figure 1 is a perspective view of the body of the box or package having the annular recess around its vertical sides at the upper end thereof. Fig. 2 is an enlarged like view of same showing the cord wound into said annular recess and fastened at its ends; and Fig. 3 is a vertical section through the box on the dotted line 3—3 of Fig. 2 and showing the cover on the same.

In the drawings A designates the body of the box; B, the annular recess formed in the vertical sides of the box and at the upper end thereof; C, the lid or cover for the box, and D, the packing cord wound into said recess and having one of its ends secured by the knot E while its other end is fastened by being pressed into the slit F formed in the upper edge of the box.

The cord D has its free end drawn through the aperture *a* in the body A until the knot E closes said aperture at the inner side thereof, after which the cord will be wound around the body and into the recess B preferably two or more times, as indicated in Figs. 2 and 3, whereupon the end of the cord will be caught in the slit or notch F, thus completing the application of the packing and leaving the box in condition to receive the powdered material and also the cover C, whose vertical flange *b* will pass downward over the body A and the joint thereby formed will be securely packed by the cord D intermediate said flange and body. The presence of the cord D at said joint absolutely prevents the sifting out of the powdered contents of the box; and by reason of the recess

B, which will be of any form or nature desired, the cord D even if its ends be not securely fastened is prevented from being pushed downward by the flange *b* during the application of the lid or cover C.

The cord D is in contact with the body of the box and the inner surface of the flange *b* of the lid C and forms a soft packing which will permit the said lid to be applied and removed at will and prevent the sifting out of the dry powdered contents of the box. The plain soft surfaces of the cord D effectually retain the powdered contents of the box, and result in the formation of a joint which has never heretofore been produced.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The box or package consisting of the body having the recess in its vertical sides, the

cover having the vertical flange, and the plain cord wound into said recess and having its surfaces in contact with the said body and flange; substantially as and for the purposes set forth.

2. The box or package consisting of a body and cover, the said body at its end being provided with the recess, aperture and slit, and having the cord wound around said recess and secured at said aperture and slit respectively; substantially as set forth.

Signed at New York, in the county of New York and State of New York, this 12th day of March, A. D. 1894.

GEORGE P. KATO, JR.

Witnesses:

CHAS. C. GILL,
WILLIAM B. ELLISON.