

(No Model.)

H. L. LOVEJOY.  
FRUIT JAR.

No. 365,928.

Patented July 5, 1887.

Fig. 1.

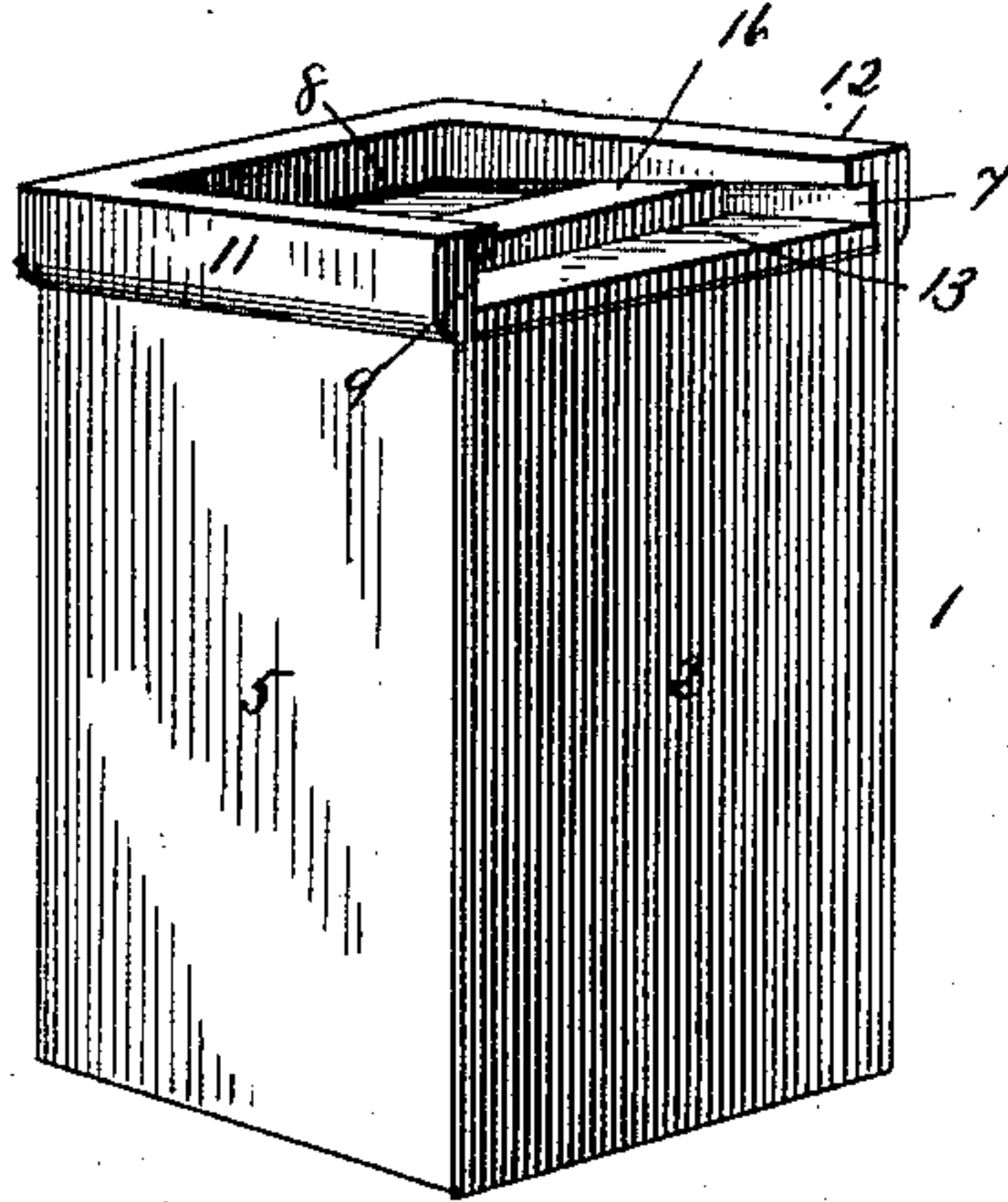


Fig. 2.

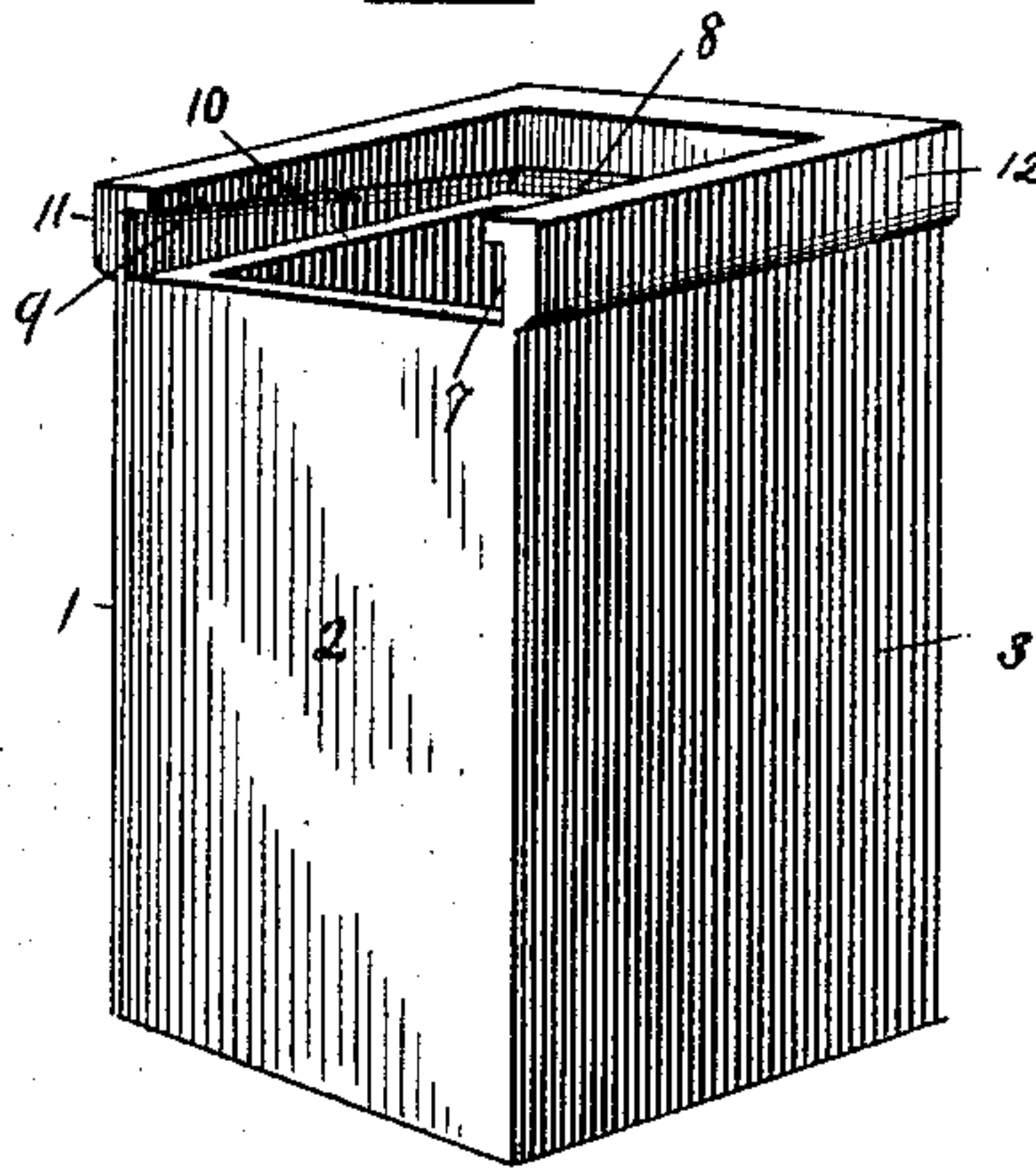


Fig. 3.

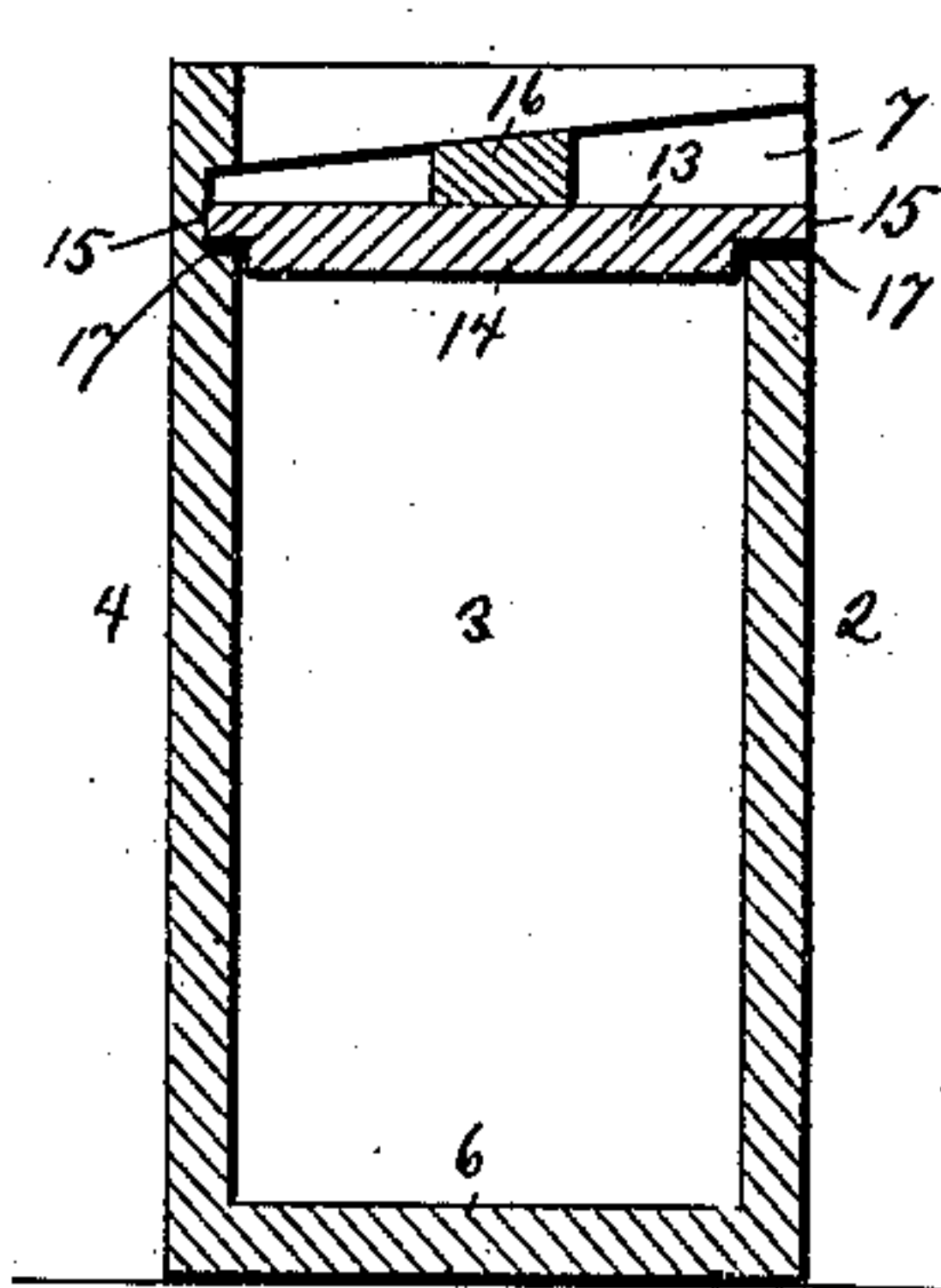


Fig. 5.

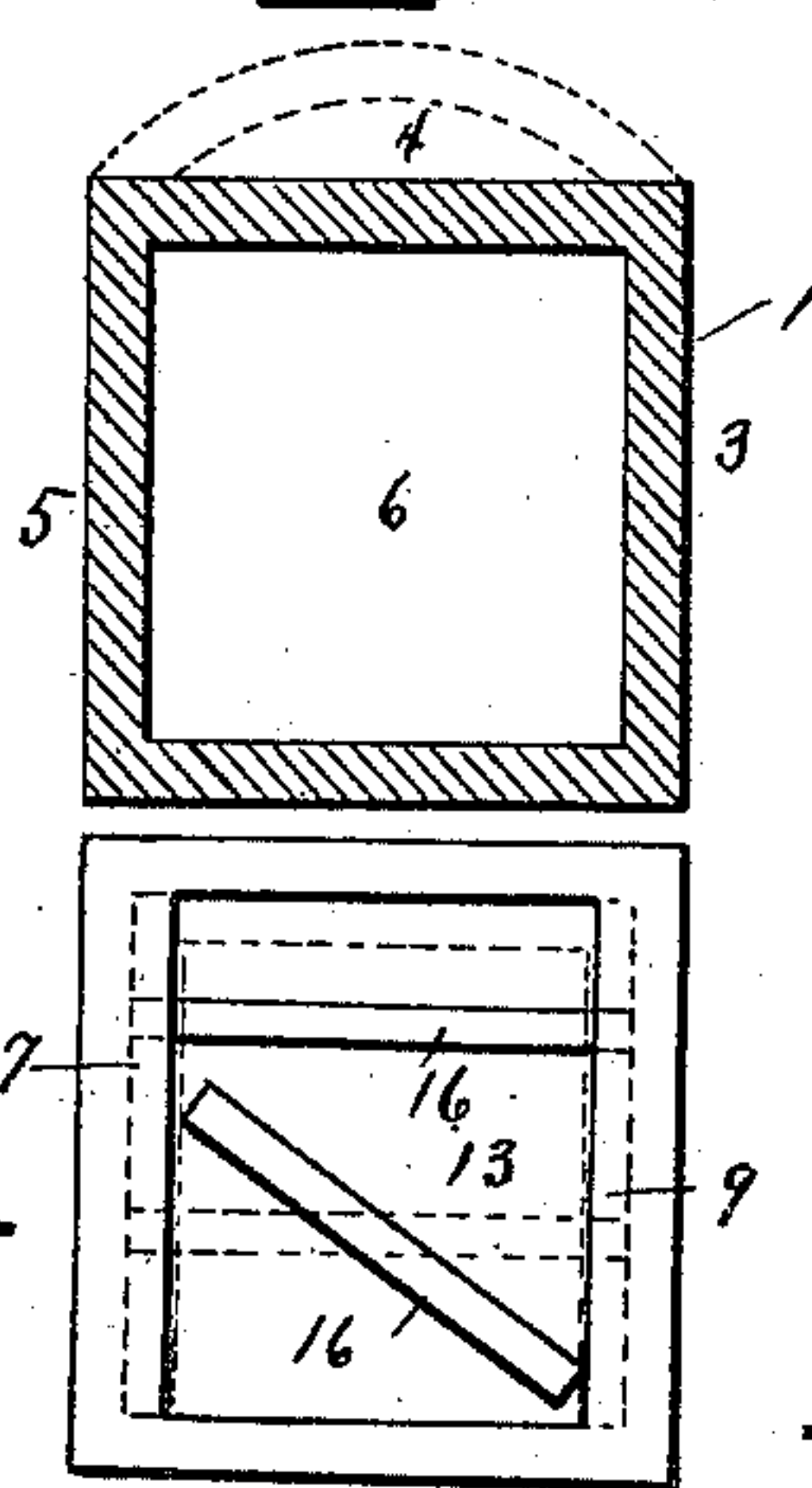


Fig. 4.

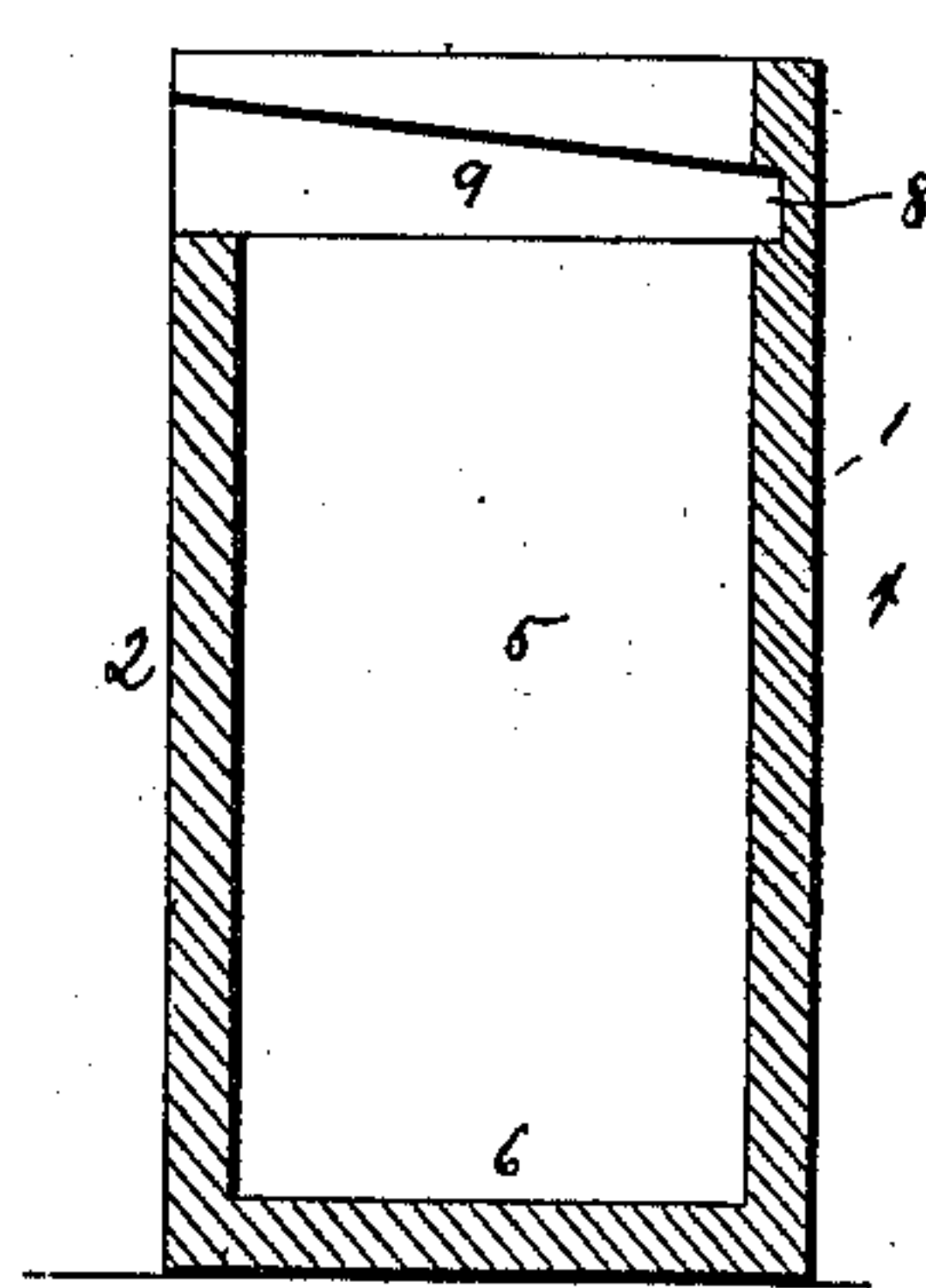


Fig. 10.

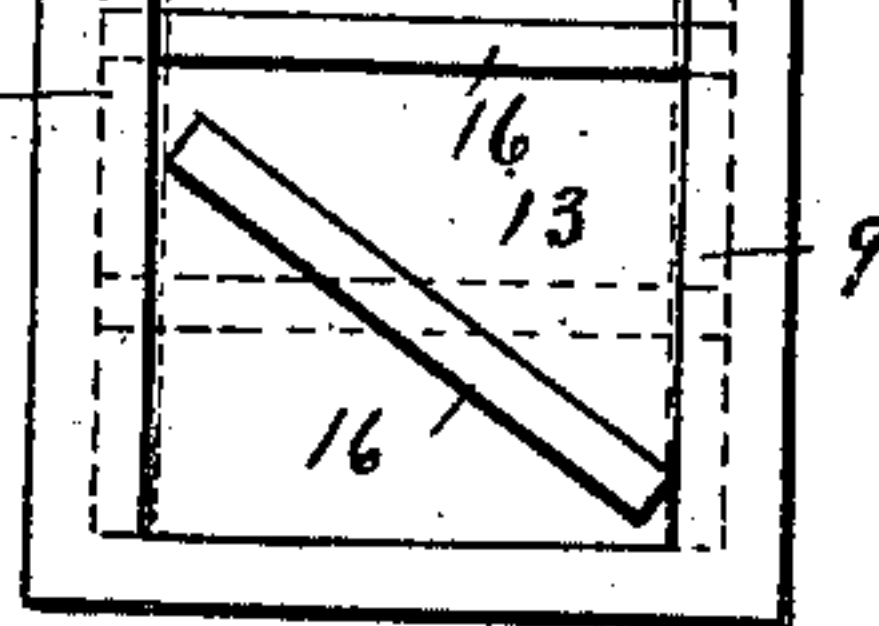


Fig. 9.

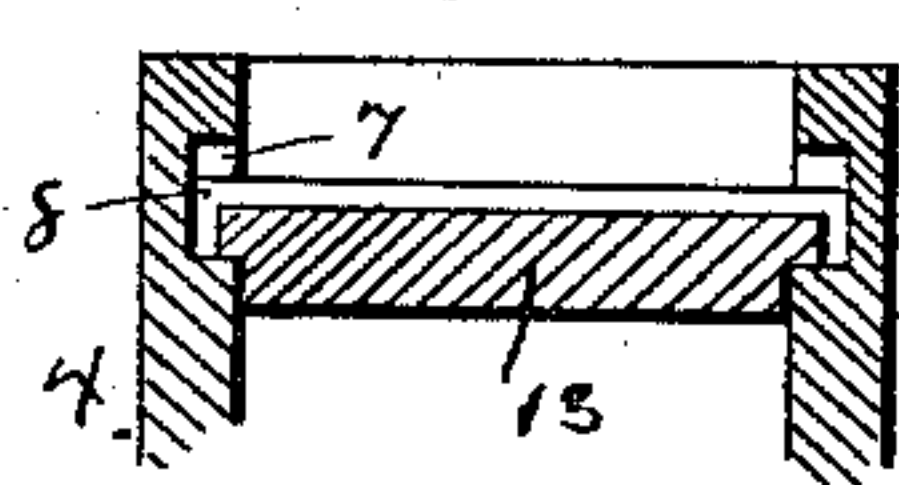


Fig. 6.

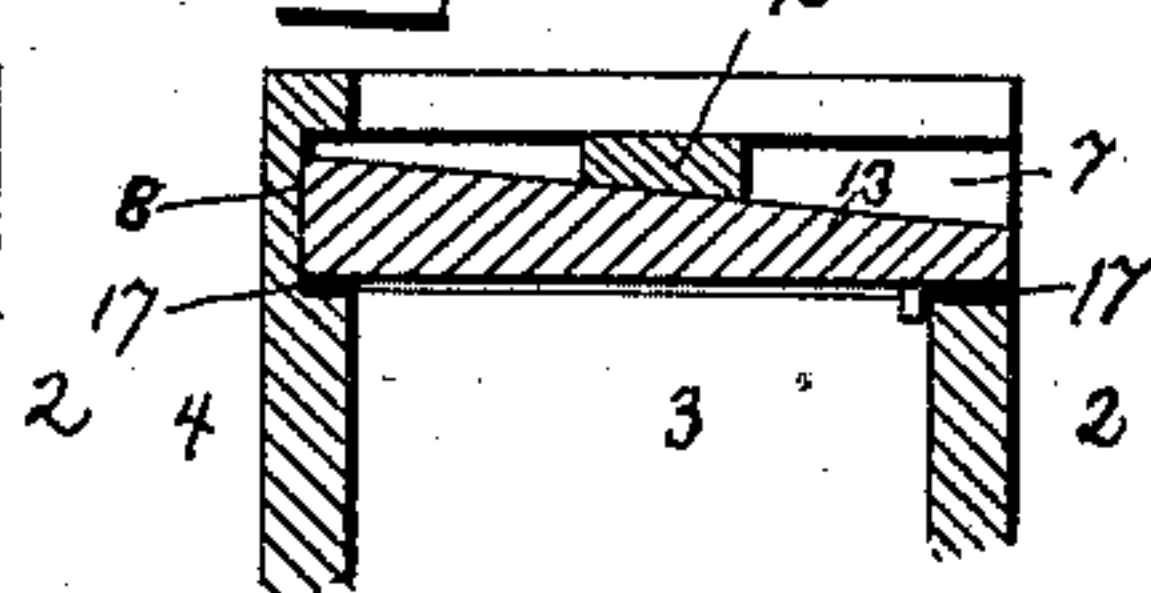
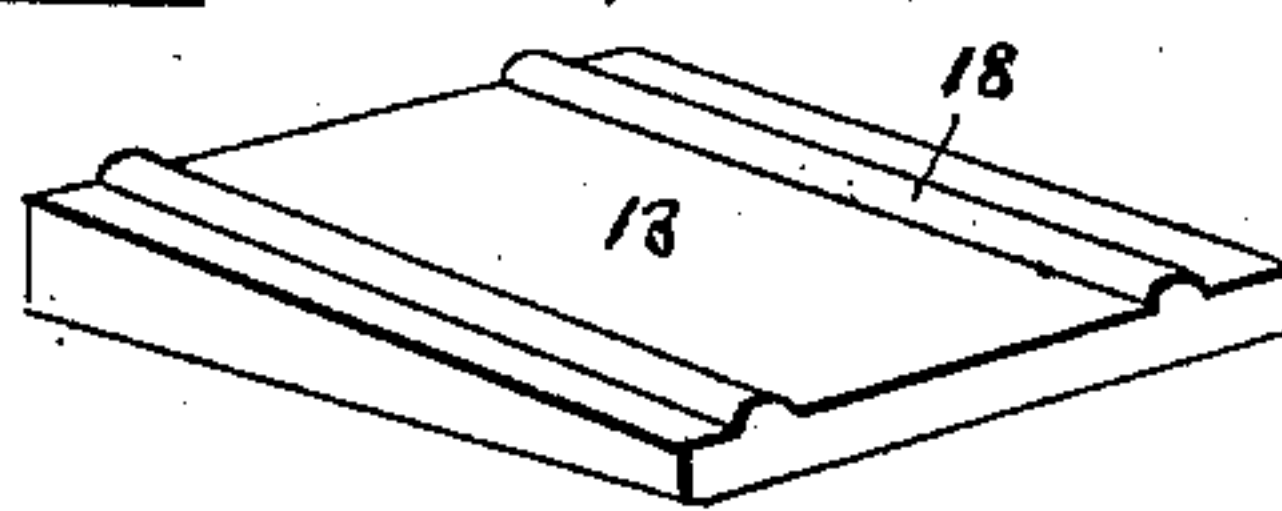


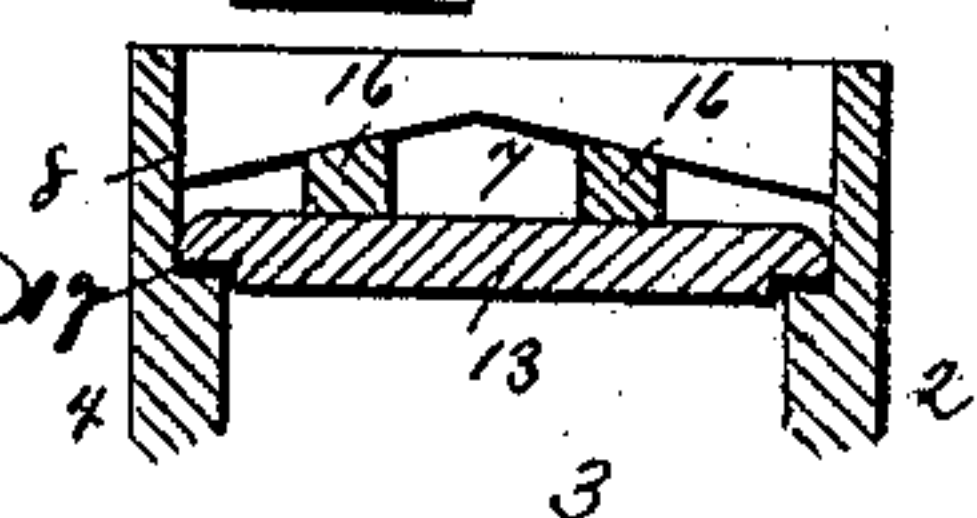
Fig. 7.



Attest:

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Fig. 8.



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Inventor:

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# UNITED STATES PATENT OFFICE.

HENRY L. LOVEJOY, OF LOWELL, MASSACHUSETTS.

## FRUIT-JAR.

SPECIFICATION forming part of Letters Patent No. 365,928, dated July 5, 1887.

Application filed September 18, 1886. Serial No. 213,895. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY L. LOVEJOY, a subject of the Queen of Great Britain, residing at Lowell, Middlesex county, Massachusetts, have invented certain new and useful Improvements in Fruit-Jars, of which the following is a specification.

My invention relates to improvements in fruit-jars; and the novelty consists in the construction, arrangement, and combination of the several parts or elements comprised in the jar, substantially as hereinafter specifically set forth, and illustrated in the accompanying drawings, wherein similar figures of reference denote similar parts.

In said drawings, Figure 1 represents in perspective a fruit-jar constructed in accordance with my invention as it appears when closed. Fig. 2 is a similar perspective view showing the cover removed to give access to the jar. Fig. 3 represents a central longitudinal section through the jar when closed, as shown in Fig. 1. Fig. 4 is a similar sectional view through the top of the jar when open, as shown in Fig. 2. Fig. 5 is a horizontal section of the jar. Figs. 6, 7, and 8 represent views of a modified form of my invention. Fig. 9 is a sectional view taken on the line  $x x$  of Fig. 8; and Fig. 10 is a top plan view of the jar shown in Fig. 8, showing one of the locking-bars in position and the other placed upon the cover in position to be swung into place with its ends engaging the locking-groove, as indicated by dotted lines.

In the present embodiment of my invention I have shown a jar for fruit or other substances, having a body, 1, formed of any suitable material—as glass, iron, tin, &c.—and provided with sides 2, 3, 4, and 5, and a bottom, 6, integral with said sides. I preferably form the body 1 square in cross-section, as shown by full lines in Fig. 5; but said body may have, if desired, the configuration shown by dotted lines in said figure. I form one of the sides, 2, somewhat shorter in length than the remaining sides, and provide said remaining sides upon their inner surfaces near the upper ends thereof with grooves 7, 8, and 9, the lower edge, 10, of each of which is flush or in the plane of the top or upper edge of the side 2. The upper side edge of each of the grooves 7 and 9 con-

verges toward the rear end of said grooves, as shown, to co-operate with the cover-securing clamp, as hereinafter described.

To insure the requisite degree of strength to the upper ends of the sides 3 and 4, I provide said sides upon points opposite the grooves 7 and 9, formed therein, with outwardly-swelled portions 11 and 12, as shown. I provide the body 1 with a cap or cover, 13, and preferably rabbet the side and end edges of said cover to form a projecting portion, 14, upon the lower surface of said cover, which projection extends into the jar, while the flanges 15, formed upon the side and end edges of said cover, rest upon the shoulders 10 of the grooves 7, 8, and 9 and the upper end of the side 2, when said cover is in position. The cover or cap 13 is held from displacement by a bar or block, 16, which extends transversely of said cover from one to the other of the grooves 7 and 9. (See Fig. 1.)

To insure a perfect air-tight joint between the cap 13 and the body of the jar in cases where the same is desirable or necessary, I provide the flanges 15 of the cap or cover 13 with packing-strips 17, of rubber or other suitable material, which, when said cap or cover is in position, rest upon the shoulders 10 of the groove and top of the side 2, respectively. If desired, the packing 17 may be applied directly to the edges 10 of the grooves 7, 8, and 9 and top of side 2, the cover being placed thereon and removed therefrom when desired.

The operation of my improvement is obvious and requires no special description, it being understood that the cap 13 may be held in position at different desired degrees of pressure, as regards the body 1, through the medium of the inclined upper edges of the grooves 7 and 9 and the bar 16, which bears upon said cover and engages said inclined edges at its ends, and also that said bar may be easily and quickly removed from said cover and grooves. If desired, the grooves 7, 8, and 9 may have parallel side edges, while the cover 13 may have converging upper and lower surfaces, the former of which may have ribs 18 formed thereon, as shown in Fig. 7. If desired, the grooves 7 and 9 may be formed in but two sides of the box, and the upper edges of each of said grooves may be inclined downward from a point near



the middle of said groove, the cover or cap 13 being held in place by two cross-bars, 16, as shown in Figs. 8 and 9. When this construction of parts is employed, that portion of the sides above the grooves is formed thinner than the sides below the same, to form projecting shoulders, which, in connection with shoulders formed upon the remaining sides of the jar, receive the cover. (See Figs. 8 and 9.) The locking-bars are first placed upon the top of the cover at angles to the sides of the jar (see Fig. 10) and the ends of said bars swung or moved into the grooves. The bars are now moved into position parallel with the front of the jar and pressed into the position shown.

Among the many advantages consequent in a fruit-jar upon the construction and arrangement of parts as herein set forth may be named the increased facility for filling or discharging the jar, for handling, packing, or storing, and for cleansing the jars when empty.

Having thus described my invention, I claim and desire to secure by Letters Patent—

1. A jar having parallel sides one of which

is shorter than the remaining sides, a horizontal and an inclined shoulder upon the interior of each side adjoining said shorter side, and parallel horizontal shoulders upon the side opposite said shorter side, in combination with a cover engaging said horizontal shoulders and top of said shorter side, and provided with shoulders engaging the interior surfaces of the sides adjoining said horizontal shoulders, and a locking-bar engaging the inclined shoulders and cover to hold the latter in place, substantially as described.

2. A fruit-jar having parallel opposite sides, horizontal and inclined shoulders thereon to receive a cover, and a locking-bar, in combination with a cover having ribs thereon and a locking-bar, substantially as described.

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

HENRY L. LOVEJOY.

Witnesses:

GEORGE W. COBURN,  
JAMES M. PALMER.