

No. 806,232.

PATENTED DEC. 5, 1905.

J. W. ALLEN.
JAR AND COVER.
APPLICATION FILED APR. 10, 1905.

Fig. 1.

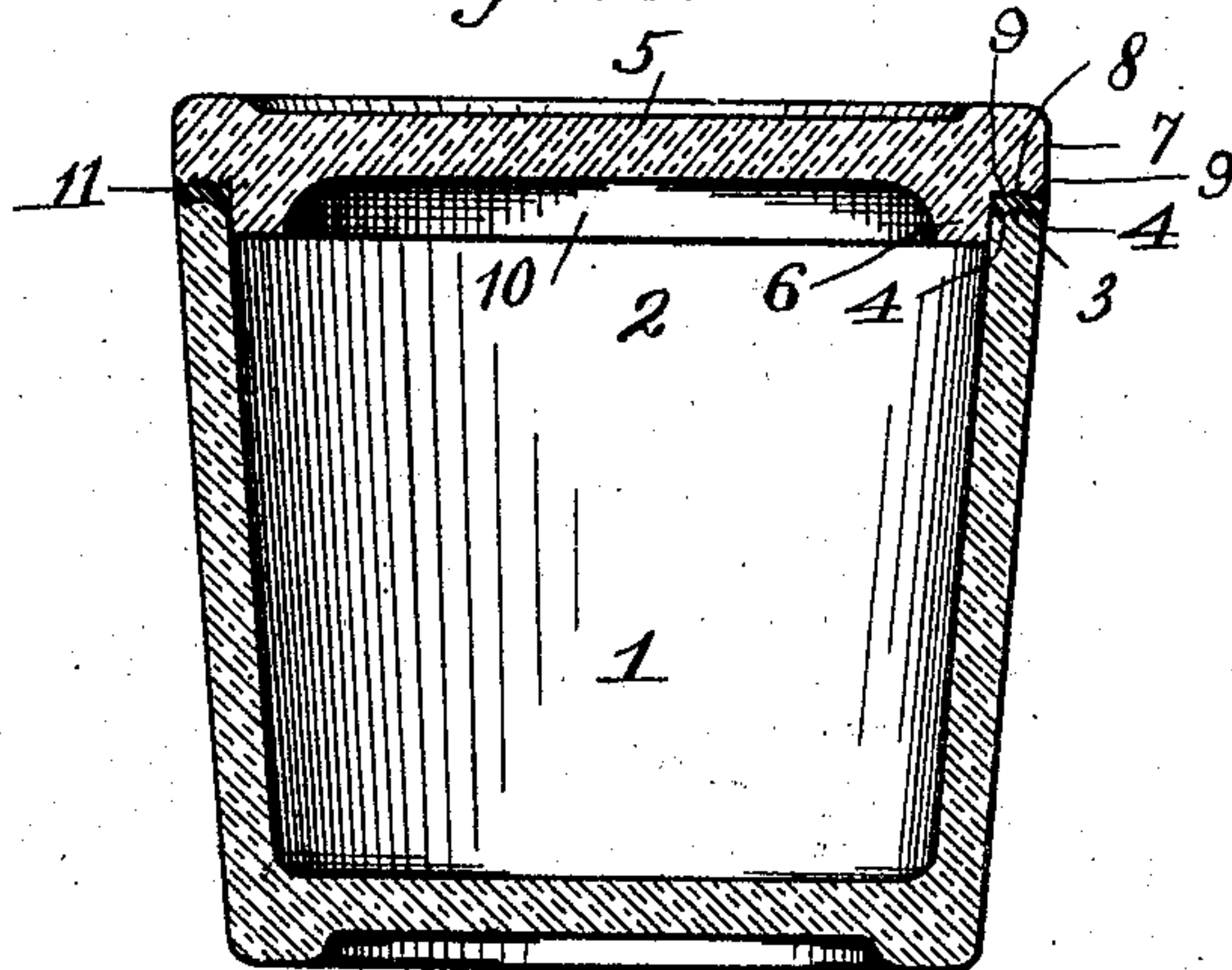


Fig. 2.

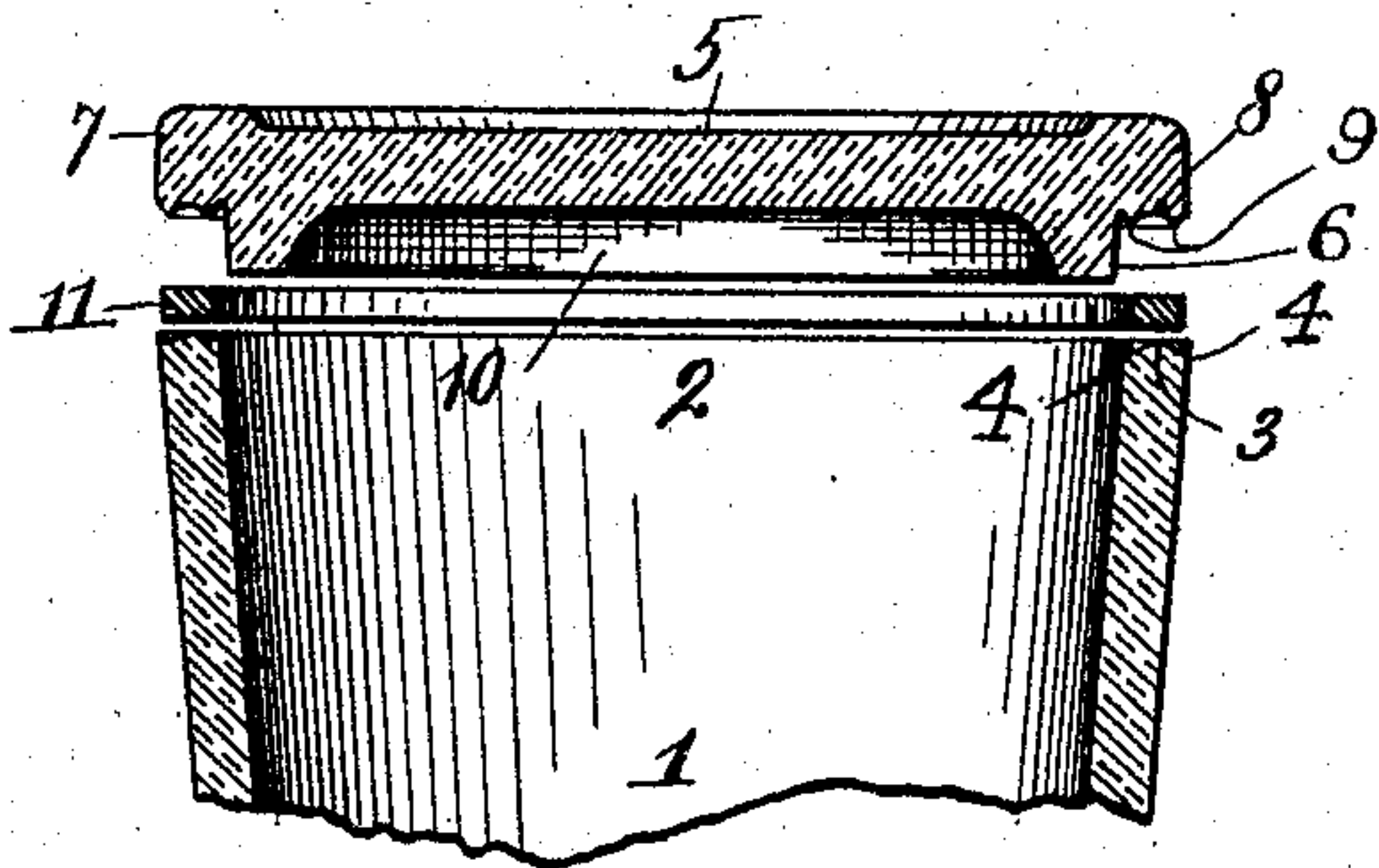


Fig. 3.

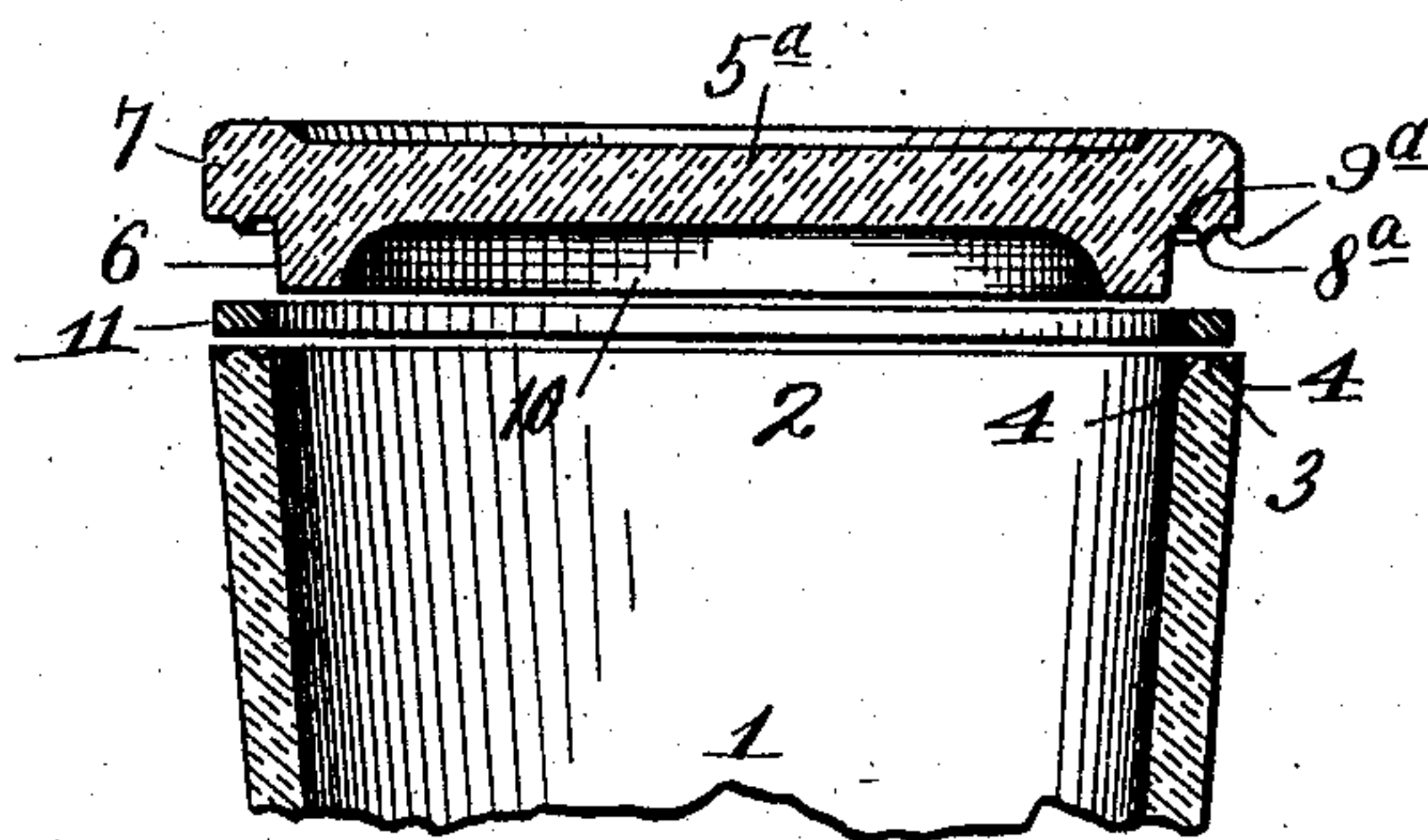
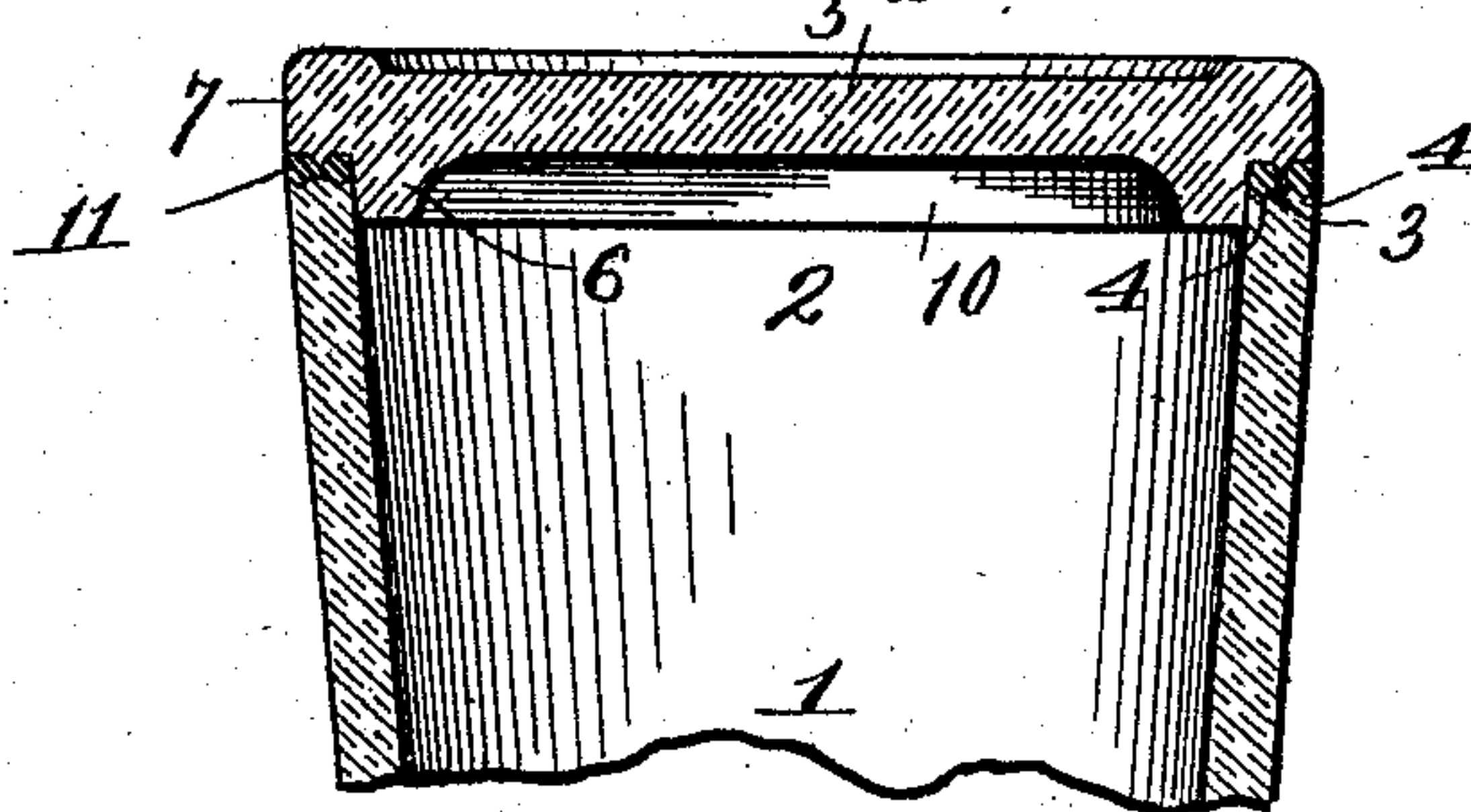


Fig. 4.



Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN W. ALLEN, OF KANSAS CITY, MISSOURI.

JAR AND COVER.

No. 806,232.

Specification of Letters Patent.

Patented Dec. 5, 1905.

Application filed April 10, 1905. Serial No. 254,671.

To all whom it may concern:

Be it known that I, JOHN W. ALLEN, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Jars and Covers, of which the following is a specification.

My invention relates to improvements in jars and covers; and one of my objects is to provide a package wherein preserved meats, fruit, or vegetables may be hermetically sealed and kept in good condition for a number of years in any climate.

A further object is to arrange the seats of both the jar and the cover in such a manner that when the package is closed under vacuum perfect joints will be formed, so that extraneous fastening devices, as clamps, springs, &c., need not be employed to retain the cover upon the jar.

Jar-closures have been made wherein the seats on both the jar and the cover had a plurality of faces or members flat and angular, flat and curved, all curved, or all angular; but I am not aware that a triple seat has been produced in which the central member is concavo-convex and the side members angular (or flat and angular) and with the outer member in the jar always a V-shaped groove into which a pin can be inserted in order to open the jar by breaking the vacuum. Such is the construction I have produced.

Referring now to the accompanying drawings, which illustrate my invention, Figure 1 represents a vertical sectional view of my improved package in a closed condition. Fig. 2 is a broken vertical section of same with the cover and gasket removed from the upper edge of the jar. Fig. 3 is a broken vertical section showing the cover and the gasket removed from the jar, said cover being provided with a modified form of seat. Fig. 4 is a broken vertical section of same in a closed position.

In carrying out my invention I employ a jar 1, flaring toward its upper open end 2, so that its contents may be removed in one piece. The upper edge of said jar is provided with a triple seat comprising a centrally-disposed convex shoulder 3, communicating at its opposite sides with V-shaped grooves 4.

5 designates a cover, preferably of the same diameter as the jar, so that it will not project beyond the latter, and thus occupy valuable space when a number of jars are packed for shipment. Cover 5 is provided

with an annular depending flange 6, adapted to fit snugly within the upper end of the jar to prevent the cover from shifting when placed in position upon said jar. The marginal flange 7, formed between the periphery of the cover and flange 6, is provided at its under side with a triple seat comprising a concave groove 8 and V-shaped shoulders 9, said groove and shoulders being adapted to register with the shoulder and grooves, respectively, of the jar, as shown. Cover 5 has a concave under side 10 for a purpose hereinafter specified.

11 designates a gasket of resilient material adapted to be interposed between the jar and the cover in order to form air-tight joints between the seats of same. By providing this gasket the seats need not be ground, as it will conform with and fill any slight cavities or inequalities which may exist in said seats.

When the above-described package is closed under vacuum, cover 5 will be drawn tightly into contact with the gasket, and thus force the latter into contact with the seats on both the cover and the jar and also into contact with the outer surface of flange 6, as shown in Fig. 1, so that it will be impossible for air to enter the package and destroy the vacuum therein.

In the modification shown in Figs. 3 and 4 cover 5^a is provided with an annular V-shaped shoulder 8^a and flat seats 9^a, disposed at opposite sides of said shoulder.

In practice I prefer to construct the jar and the cover of glass to overcome the prejudice now existing against canned condiments and so that the condition of the contents of the package may be observed and in order that said contents may present a palatable appearance. When the contents consist of chipped beef or bacon, the process of packing the jar can be easily completed by placing a dish of the beef or bacon in concave 10, as this gives a finished appearance to the package.

Although the cover will be reliably held upon the jar by the vacuum in the latter, said cover and the gasket may be readily removed by simply inserting a pin between the gasket and the edge of the jar to admit air to the interior of the latter. This destroys the vacuum, so that the cover and the gasket may be lifted from the jar without injury. Consequently the jar, gasket, and cover may be used an unlimited number of times for the same purpose.

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

1. A jar, a convex shoulder extending
5 around the upper edge of said jar, a cover provided with a concave groove adapted to register with said shoulder and angular seats on both the jar and the cover at both sides of the shoulder and groove respectively.
- 10 2. A jar, a triple seat extending around the upper edge of said jar, a cover, and a triple seat on said cover adapted to register with the seat on the jar, the central member of each triple seat being of different shape from
15 its inner and outer members.
3. The combination of a jar, a triple seat extending around the upper edge of said jar, and having its central member curved and its side members angular, a cover, a triple
20 seat on said cover adapted to register with the seat on the jar, and a resilient gasket adapted to be interposed between the seats of the jar and the cover.
4. The combination of a jar, flaring toward
25 its open end, a triple seat extending around the upper edge of said jar, a cover, a triple seat on said cover adapted to register with the seat on the jar, the central member of each triple seat being of different shape from
30 its inner and outer members and a resilient gasket adapted to be interposed between the seats of the jar and the cover.
5. A jar having two V-shaped grooves in its upper end, a convex shoulder communicating with said grooves, and a cover adapted
35 to close the open end of said jar.
6. The combination with a jar, of a cover adapted to close the open end of said jar pro-

vided with a concave groove, and V-shaped shoulders arranged at opposite sides of said 40 grooves.

7. The combination with a jar, of a cover adapted to close the open end of said jar, and having a concave under side for the purpose set forth, a marginal flange formed integral 45 with said cover and provided at its under surface with seats, a flange depending from said cover adapted to fit snugly within the jar, and a resilient gasket interposed between the upper edge of the jar and the seats of the 50 cover.

8. The combination with a jar, triple seats on the upper edge of said jar, a cover, triple seats on said cover adapted to register with those on the jar, the central member of each 55 triple seat being of different shape from its inner and outer members and a resilient gasket interposed between said seats, substantially as described.

9. The combination of a jar, triple seats at 60 the upper edge of said jar comprising a central convex shoulder and V-shaped grooves at opposite sides thereof, a cover, triple seats on said cover adapted to register with those on the jar and comprising a central concave 65 groove and V-shaped shoulders at opposite sides thereof, and a resilient gasket interposed between said seats, substantially as described.

In testimony whereof I affix my signature 70 in the presence of two witnesses.

JOHN W. ALLEN.

Witnesses:

F. G. FISCHER,
LESLIE E. BAIRD.