

L. P. WHITEMAN.
Jars for Preserves and Fruits.

No. 201,969.

Patented April 2, 1878.

Fig1.

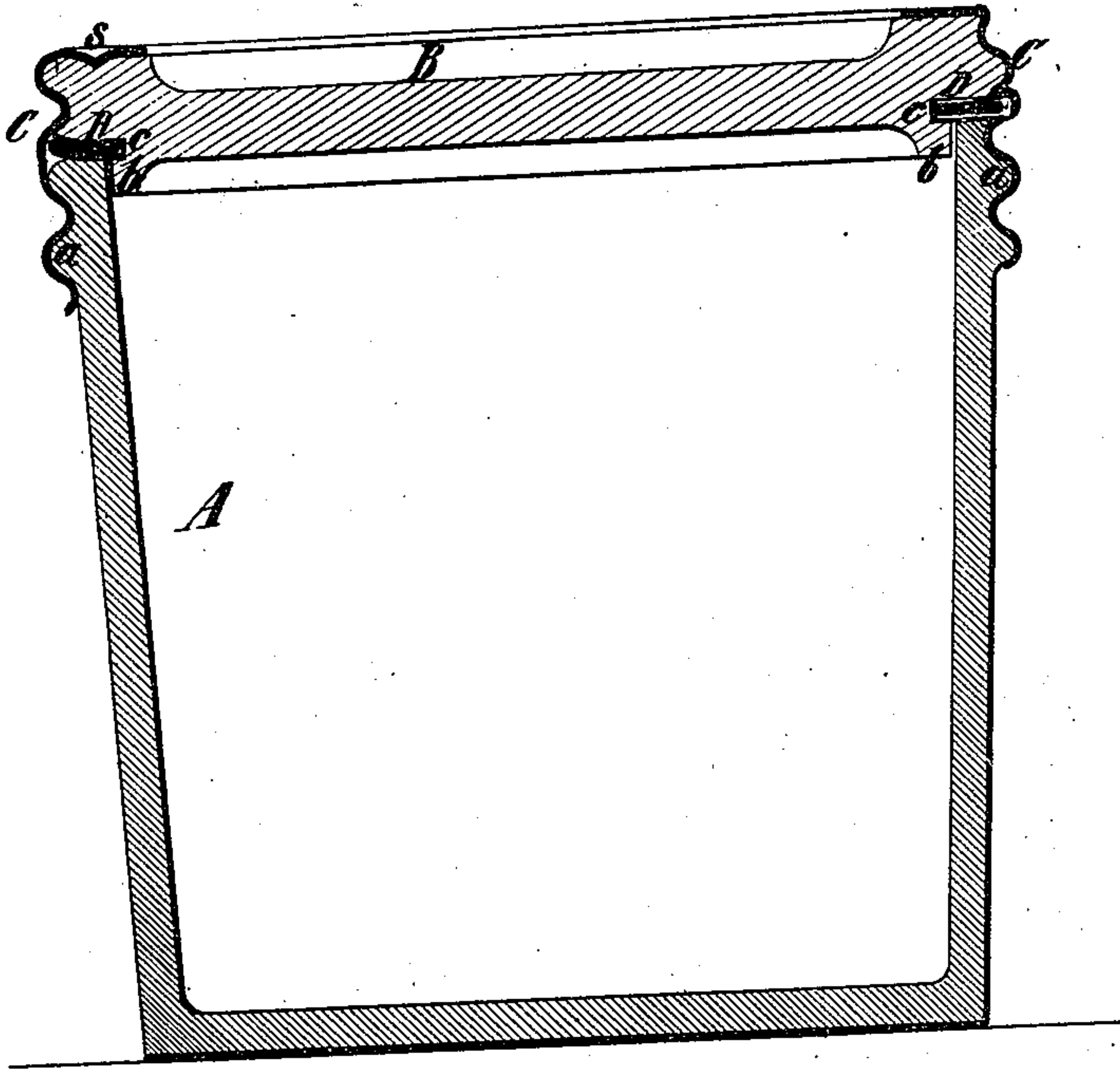


Fig2.

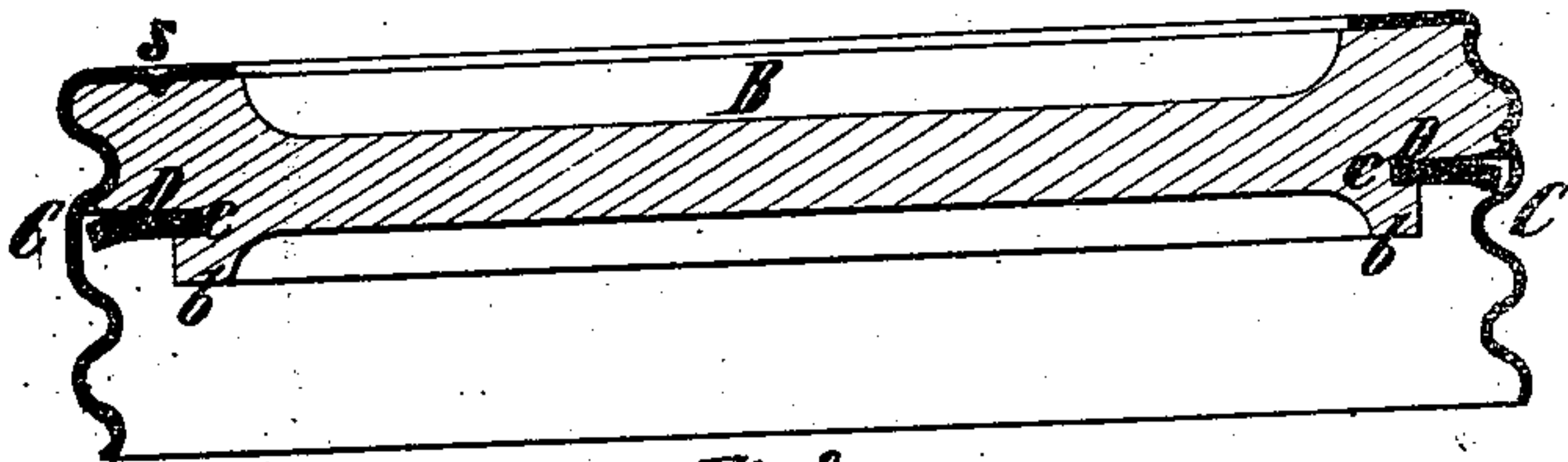
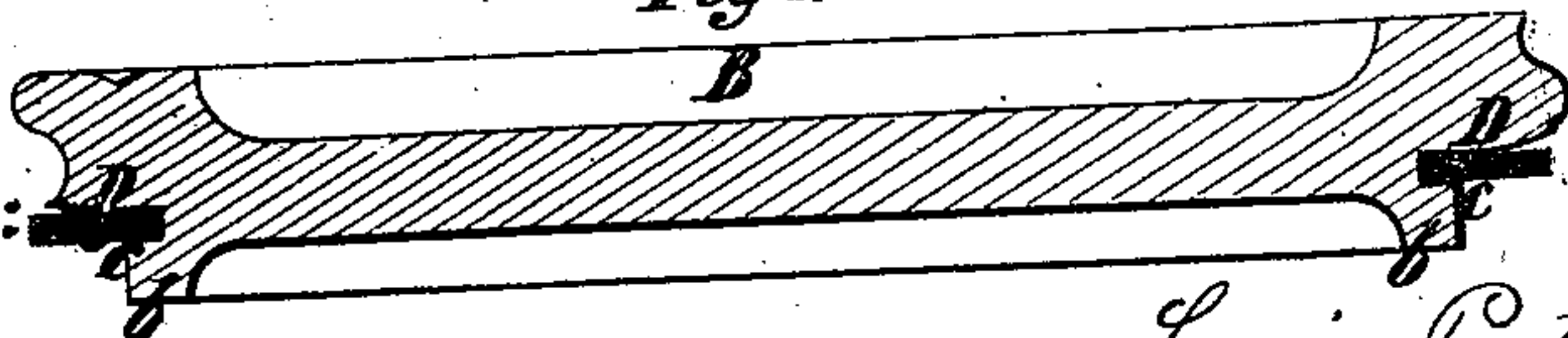


Fig3.



Witnesses:

J. H. Leano
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Inventor.

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By his attorney
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UNITED STATES PATENT OFFICE.

LOUIS P. WHITEMAN, OF NEW YORK, N. Y.

IMPROVEMENT IN JARS FOR PRESERVES AND FRUITS.

Specification forming part of Letters Patent No. 201,969, dated April 2, 1878; application filed February 12, 1878.

To all whom it may concern:

Be it known that I, LOUIS P. WHITEMAN, of New York, in the county and State of New York, have invented certain new and useful Improvements in Jars for Fruits and Preserves, of which the following is a specification:

An important object of my invention is to provide for using glass covers in connection with fruit and preserve jars, without the danger of breaking and inconvenience in using them which have been hitherto experienced, owing to their being made detached from the means employed to fasten them in place.

To this end my invention consists in the combination, with a jar externally screw-threaded at the mouth, of an externally screw-threaded plate-like cover, a sheet-metal band overlapping the top of said cover, and preferably a packing-ring fitting in a groove in said cover, whereby I produce a jar the cover, fastener, and packing of which may be removed and applied together, so that the danger of smearing of said parts or the fingers is lessened, and the jar rendered very convenient and desirable.

In the accompanying drawings, Figure 1 is a central vertical section of a jar, cover, fastening, and packing embodying my invention. Fig. 2 is a transverse section of the cover, fastening, and packing; and Fig. 3 is a transverse section of the cover and packing.

Similar letters of reference designate corresponding parts in all the figures.

A designates a jar, which may be made of any suitable material—such, for instance, as glass—and which is preferably made flaring toward the mouth, or at least as large at the mouth as below it. On the exterior of this jar, at or near the mouth, is a screw-thread, *a*, which may be formed in any suitable manner.

B designates a cover, consisting essentially of a plate of suitable material, preferably glass, provided with a rim, *b*, of a size to fit snugly within the mouth of the jar A. The exterior of this cover is screw-threaded to correspond with the jar.

C designates a fastener, consisting of an annular cap or a band, preferably of sheet metal,

which overlaps the cover B around its edge, and is screw-threaded, so as to engage with the screw-threads on the exterior of the jar and its cover.

D designates a packing-ring, of india-rubber or other suitable material, shown as fitted into a groove or rabbet, *c*, in the exterior of the cover, and fitting between the top of the jar and said cover, so as to seal the jar properly. The portion of the cover overlapping this packing-ring may flare or incline upwardly and outwardly, to afford the edge of the jar a better opportunity of biting into the said packing-ring.

It will be understood that on the unscrewing of the fastener C from the jar the cover and packing-ring are removed with it, and are united, so that they will not be liable to be lost. The sheet-metal fastener, owing to its form and flexibility, will form a protector to the cover in case the latter is dropped, and will reduce the liability of breakage. In order to insure the cover and fastener being united, the latter may be tamped or indented into the former, as shown at *s*.

Hitherto glass plate-like covers for jars have been objectionable, because of their liability to breakage, and because of the number of separate parts which are comprised in such jars, including the fastening devices for the covers.

I am aware that a sheet-metal screw-threaded band has been employed to fasten a cover to a jar; but as the cover has been made to overlap the band the former has been liable to be removed or unscrewed and the band left on the jar. In the subsequent removal of the band it has been apt to be bent or injured so as to seriously impair it; and, moreover, it has been apt to become smeared from this cause, and occasion the smearing of the fingers, and otherwise cause much trouble.

I am also aware that a packing-ring has been fitted in a groove in the cover of a jar; hence I only consider this as my invention in combination with a sheet-metal screw-threaded band overlapping the cover, all said parts being capable of removal together.

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

1. The combination, with a jar externally screw-threaded at the mouth, of an externally screw-threaded plate-like cover, and a sheet-metal internally screw-threaded band overlapping the top of said cover, substantially as and for the purpose specified.

2. The combination of a jar externally screw-threaded at the mouth, an externally screw-threaded plate-like cover, an internally screw-

threaded sheet-metal band overlapping said cover, and a packing-ring fitting in a groove in the exterior of the cover, substantially as and for the purpose specified.

LOUIS P. WHITEMAN.

Witnesses:

T. J. KEANE,
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