(No Model.)

S. ADLAM.

SHEET METAL SCREW CAP OR COVER.

No. 332,772. Patented Dec. 22, 1885.

Fig 1

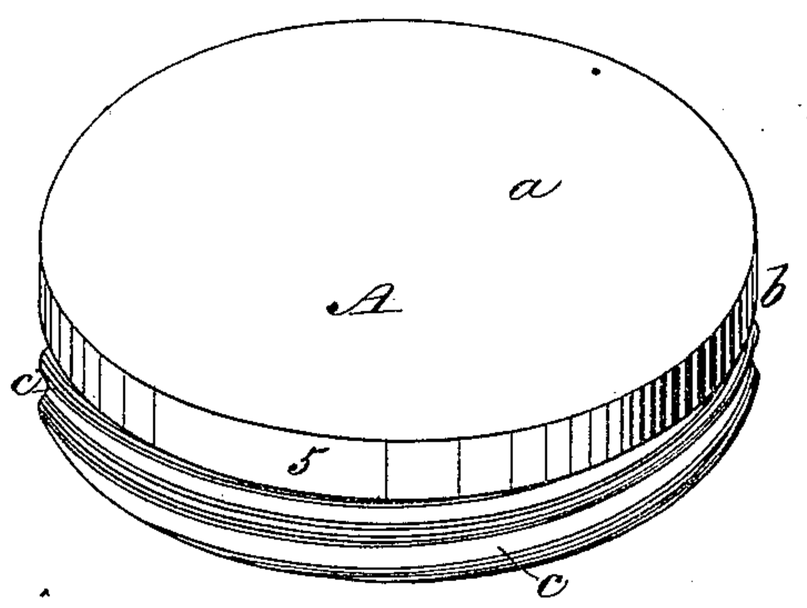


Fig 2

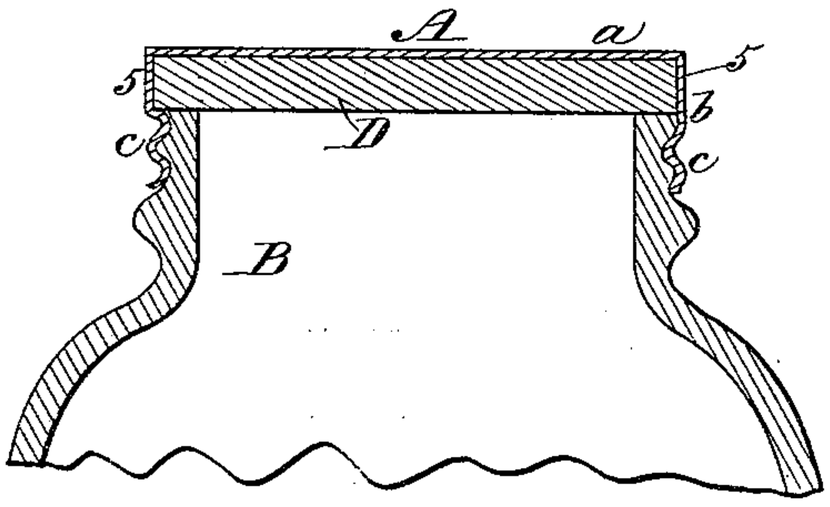
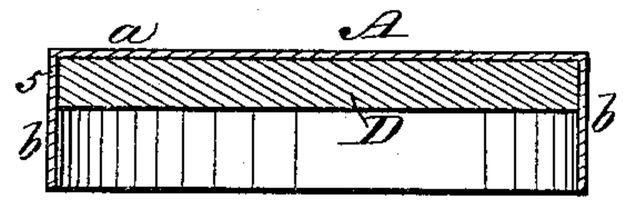


Fig 3



WITNESSES

W. J. Cambridge
R. A. Young

INVENTOR

Samuel Adlam
By F. E. Teschemacher
& Atty

UNITED STATES PATENT OFFICE.

SAMUEL ADLAM, OF BOSTON, MASSACHUSETTS.

SHEET-METAL SCREW CAP OR COVER.

SPECIFICATION forming part of Letters Patent No. 332,772, dated December 22, 1885.

Application filed October 31, 1885. Serial No. 181,542. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL ADLAM, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain Improvements in Sheet-Metal Screw Caps or Covers for Glass and other Jars or Vessels, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of a sheet-metal screw-cap constructed in accordance with my invention. Fig. 2 is a vertical section of the same applied to the neck of a jar. Fig. 3 is a vertical section of the cap after the wooden lining-disk has been applied thereto and before the screw-thread has been formed on the lower portion of its flange to hold the disk in place.

My invention relates to an improvement in the construction of sheet-metal screw caps or covers for glass and other jars or vessels, especially those which are intended to contain liquid articles of food, and has for its object to prevent the contents of the jar or vessel from coming into contact with the inner metallic surface of the cap or cover and corroding the same, whereby danger to health is avoided.

To this end my invention consists in a sheet-metal screw cap or cover provided on the inside with a non-corrosive lining composed of a wooden disk applied to the inside of the cap or cover before the screw-thread is formed on the flange thereof, said disk being securely held in place without cement by the upper portion of the subsequently-formed screw-thread, which overlaps the lower edge of the wooden disk, as hereinafter more particularly set forth.

In the said drawings, A represents a sheet-metal cap or cover having a flat top, *a*, and a depending flange, *b*, the lower portion of which is provided with a screw-thread, *c*, adapted to fit a corresponding thread on the neck of a jar or vessel, B, composed of glass, earthenware, porcelain, or other suitable material. The top *a* of the cap A is provided on the inside with a lining consisting of a wooden disk, D, which fits snugly up within the smooth or unthreaded upper portion, 5, of the flange *b*, and is confined securely in place by the upper portion of the screw-thread *c*, which overlaps its lower edge, as seen in Fig. 2, the disk covering the entire inner surface of the top *a*.

In the construction of the cap A it is first struck up with a plain smooth flange, as seen in Fig. 3, after which a wooden disk, D, of suitable thickness, is inserted, and the screw-thread *c* is then formed in any well-known manner on that portion of the flange *b* below the disk D, so that the upper edge of the thread *c* will overlap the lower edge of the disk and securely confine it, so that it cannot become accidentally displaced, no cement or fastening other than the screw-thread *c* being required.

The above-described mode of applying and securing a wooden lining within a screw cap or cover is simple, cheap, and convenient, as the edge of the disk does not require to be prepared or adapted to enter the screw-thread, as would be the case if it were applied after the thread had been formed, while the disk itself can be made of the full diameter of the inside of the cap, and thus caused to fit tightly and snugly in place. Furthermore, the wooden lining D is elastic, and when forced down upon the upper edge of the neck of the jar or vessel, as seen in Fig. 2, forms a tight packing to prevent leakage, thus dispensing with the rubber gasket or packing-ring usually employed for this purpose, while it also prevents the contents of the vessel from coming into contact with the inner surface of the metal cap, and the danger of corrosion or unpleasant taste which would result therefrom. The wooden disk also stiffens and strengthens the screw-cap, so that it will better resist any tendency to be bent out of shape by force employed in applying it to or removing it from the jar or vessel.

I am aware that a screw-cap has been provided with a lining of porcelain, and also that a thin disk of cork has been employed for a similar purpose. I do not therefore claim, broadly, a screw-cap provided on the inside with a lining of non-corrosive material.

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

The combination, with a sheet-metal screw

cap or cover, A, provided with a depending flange, *b*, having a smooth upper portion, 5, and a lower threaded portion, *c*, of a wooden lining-disk, D, inside of the cap or cover, and held in place by the upper portion of the screw-thread *c*, which overlaps its lower edge, substantially as described.

Witness my hand this 29th day of October, A. D. 1885.

SAMUEL ADLAM.

In presence of—
P. E. TESCHEMACHER,
W. J. CAMBRIDGE.