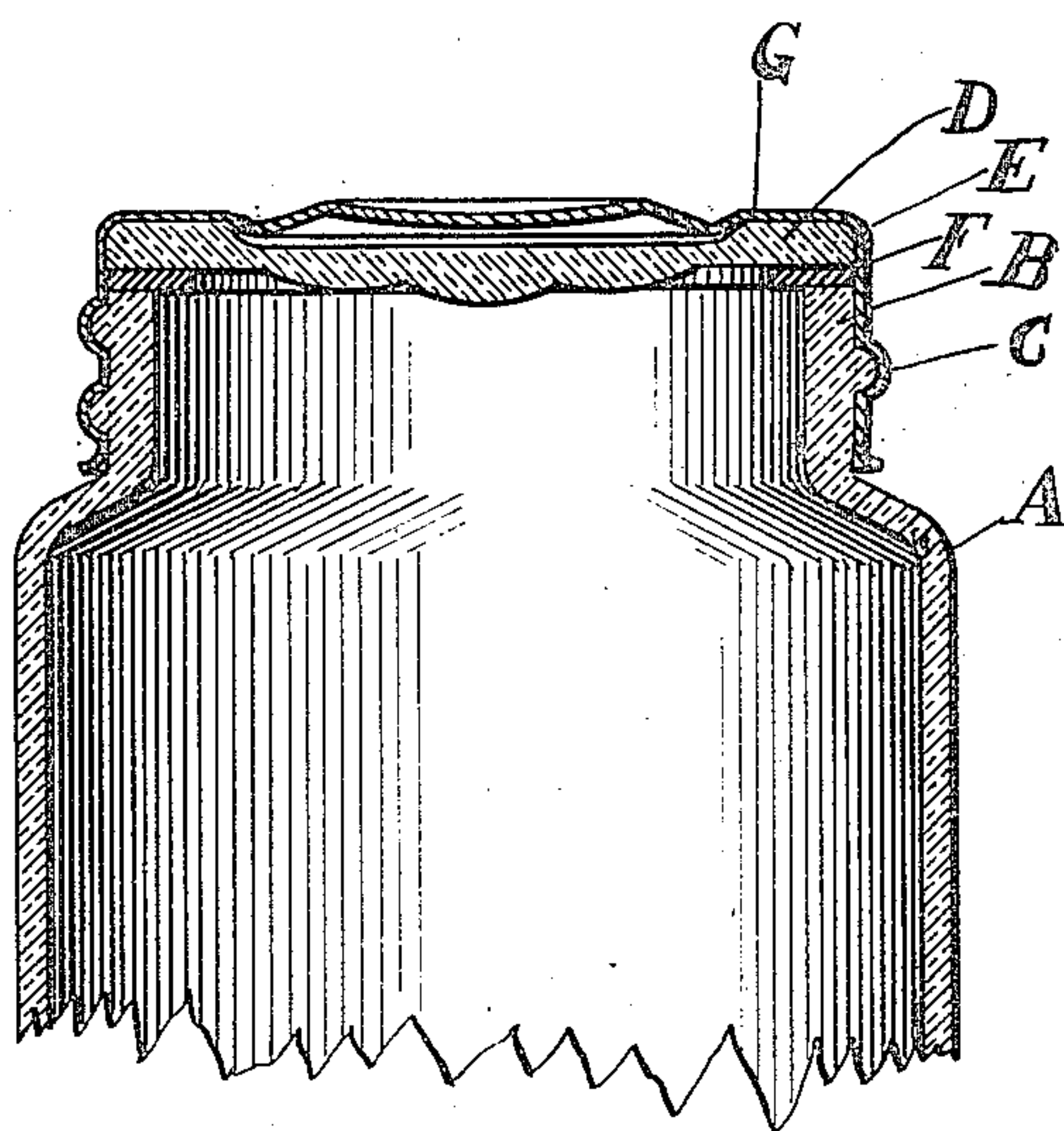


No. 846,760.

PATENTED MAR. 12, 1907.

W. J. RUST.
JAR CLOSURE.

APPLICATION FILED DEC. 11, 1905.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM J. RUST, OF SOLLITT, ILLINOIS.

JAR-CLOSURE.

No. 846,760.

Specification of Letters Patent.

Patented March 12, 1907.

Application filed December 11, 1905. Serial No. 291,339.

To all whom it may concern:

Be it known that I, WILLIAM J. RUST, a citizen of the United States, residing at Sollitt, in the county of Kankakee and State of Illinois, have invented certain new and useful Improvements in Jar-Closures; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to a novel construction in a jar-closure, the object being to provide a device of this character which is extremely simple, durable, and efficient, and consists in the features of construction and combinations of parts hereinafter fully described and claimed.

The accompanying drawing shows a fragmentary central vertical section of a preserve-jar provided with a closure constructed in accordance with my invention.

My invention is designed, broadly, to change the present method of sealing the so-called "Mason" jars without necessitating any variation in the present construction of the same to an extent which would necessitate any increase in cost of production or expensive changes in the tools for manufacturing the covers thereof.

The present Mason jars are provided below the neck with a shoulder on which the rubber washer seats, the latter being compressed by means of the lower edge of the screw-cap. This action or relative disposition of said washer causes the same to be subjected to a torsional strain, which frequently causes it to buckle at one point, and thereby admits air to the jar.

My present invention contemplates the employment of Mason jars and covers as they are now constructed, and in said drawings A indicates a suitable jar, the neck B of which is externally threaded to receive the threaded cap or cover C. In the upper portion of the latter is mounted a plate D of glass, porcelain, or the like, said plate D being loosely mounted in said cover C and adapted to rotate therein.

The said plate D is provided on its lower face adjacent its edge with an annular seat E, between which and the upper edge of the neck B a rubber or similar flexible washer F is compressed, thereby obviously sealing the jar and furthermore preventing contact of the contents thereof with any portion of said cap or cover C, which latter is of metal and is apt to deleteriously affect the contents of the jar by the action of said constituents thereof with the metal. The said plate D is preferably enlarged or rendered thicker along its edge than at its middle portion, as indicated at G, such enlarged portion or annular shoulder being adapted to be engaged by an annular flat portion of said cover C corresponding in location therewith and bearing upon said enlarged portion G when said cap is forced down to seal the jar, the strains on such plate D being thus confined to the edge portion thereof, and thus preventing breakage or fracture of the same by the pressure exerted thereon.

I claim as my invention—

The combination with a jar having an externally-threaded neck, of a threaded metallic cap adapted to receive and engage said neck, a flat plate of vitreous material disposed in the upper portion of said cap and provided on its lower face adjacent its edge with an annular washer-seat, a rubber washer disposed between said seat and the upper edge of said neck and an annular projection on the upper face of said plate corresponding in position with the washer-seat on the lower face thereof and adapted to fit a corresponding recess in said cover, said plate being loosely mounted in said cover and rotatable relatively thereto.

In testimony whereof I have signed my name in presence of two subscribing witnesses.

WILLIAM J. RUST.

Witnesses:

RUDOLPH WM. LOTZ,
ROBERT A. FISCHER.