

(No Model.)

F. DEDREUX.  
PRESERVE JAR.

No. 591,740.

Patented Oct. 12, 1897.

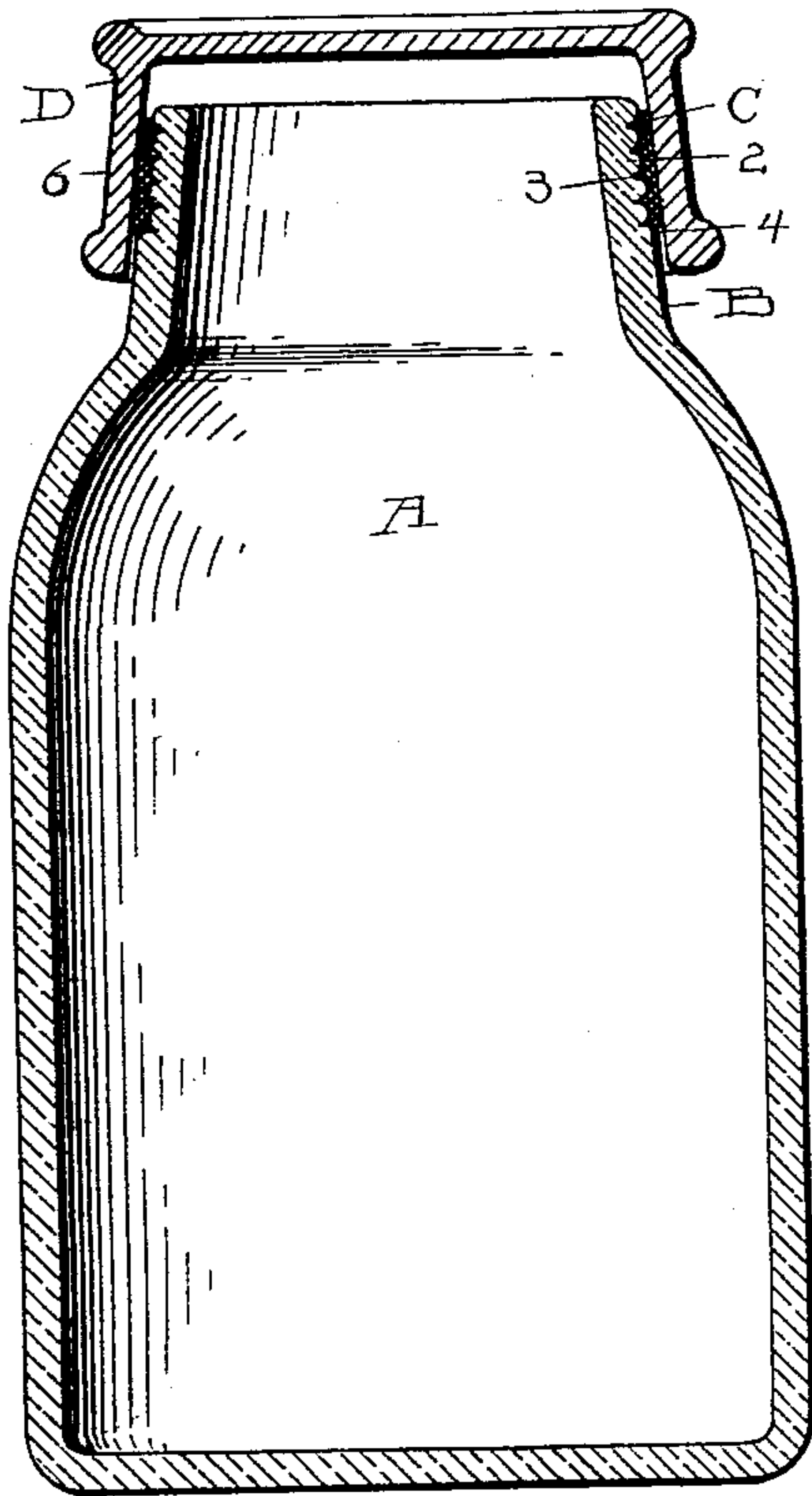


FIG. 1.

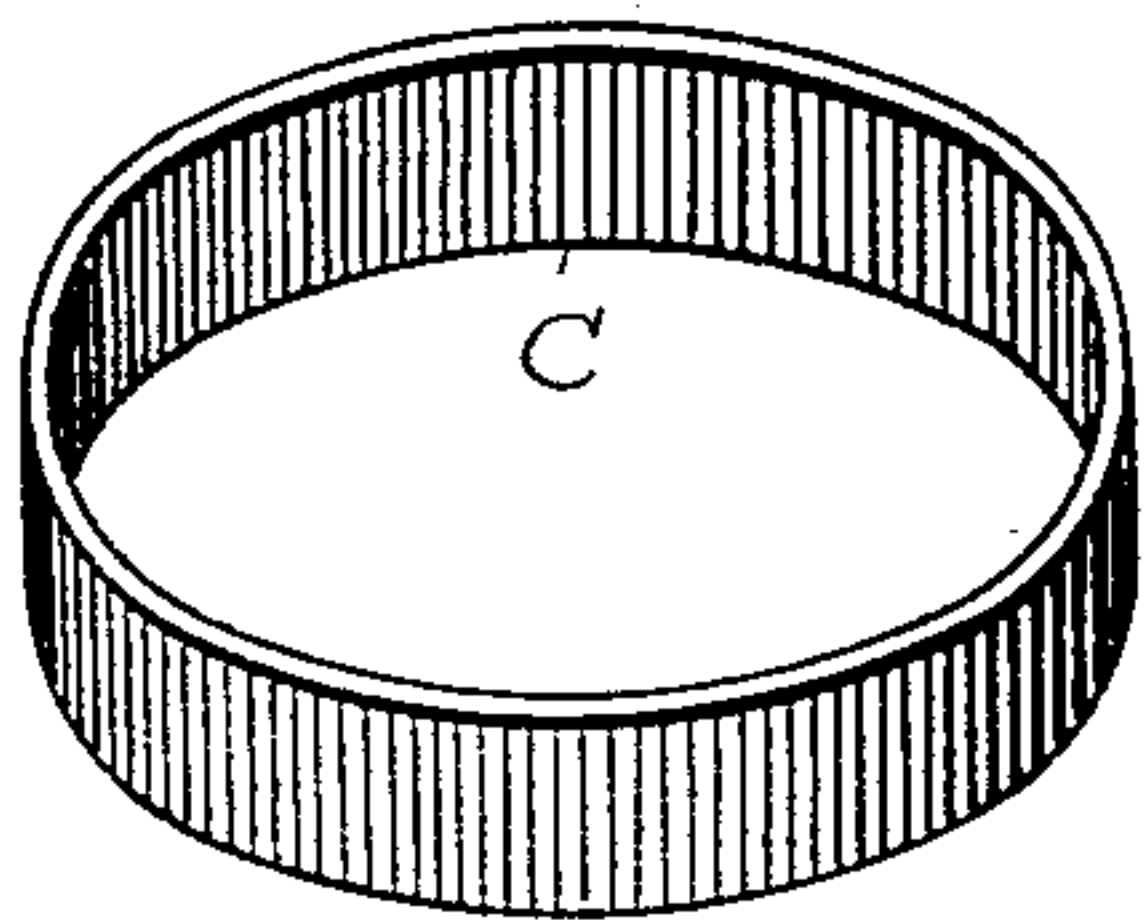
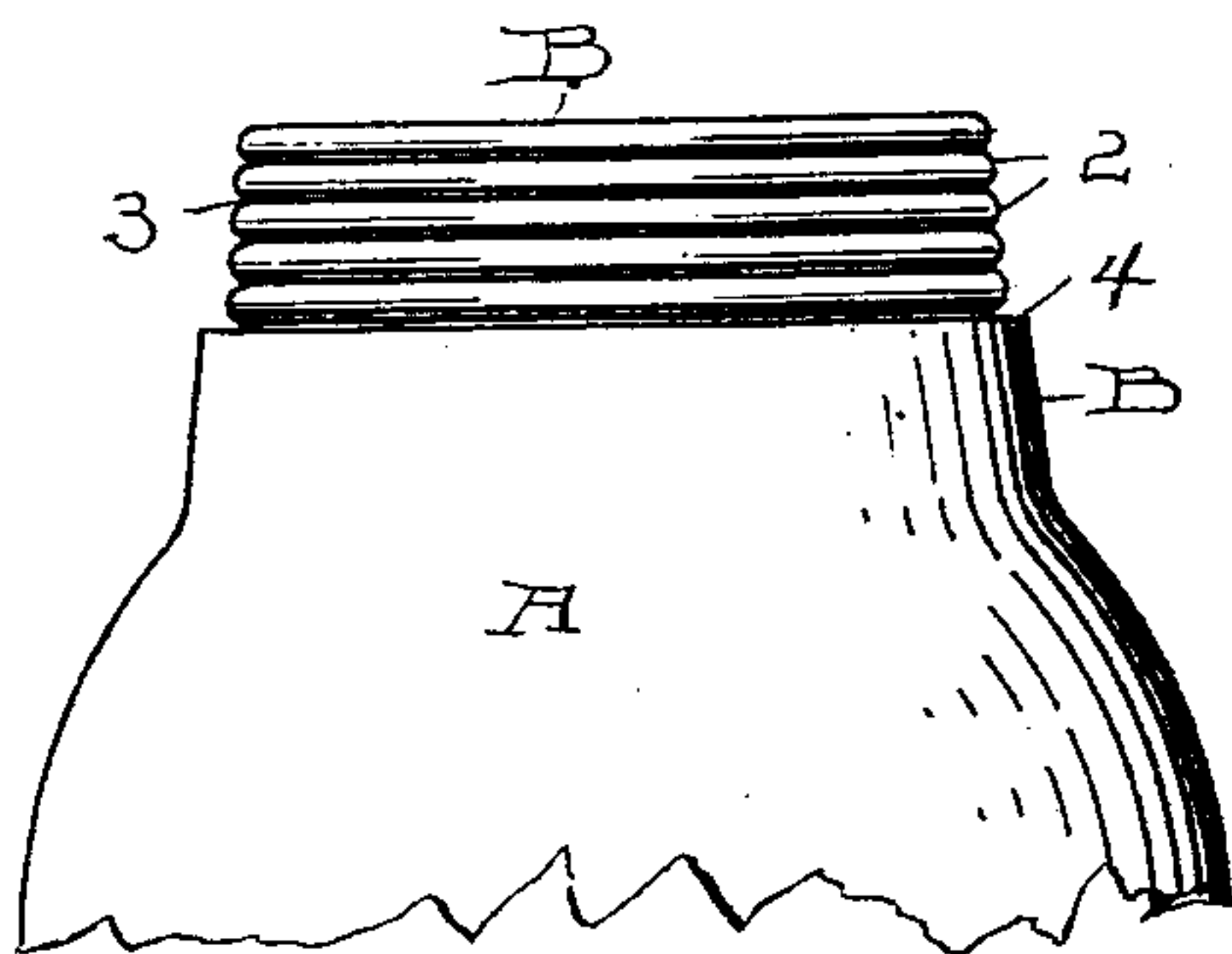


FIG. 2.

FIG. 3.



ATTEST

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ATTY.

# UNITED STATES PATENT OFFICE.

FREDERICK DEDREUX, OF CLEVELAND, OHIO.

## PRESERVE-JAR.

SPECIFICATION forming part of Letters Patent No. 591,740, dated October 12, 1897.

Application filed August 26, 1896. Serial No. 603,938. (No model.)

*To all whom it may concern:*

Be it known that I, FREDERICK DEDREUX, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Preserve-Jars; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to preserve-jars; and the invention consists of a simple and effective construction whereby the jar is hermetically sealed and the cover securely fastened in place, substantially as described, and particularly pointed out in the claim.

The object of my invention is to provide a preserve-jar with a simple and practical cover which will be air-tight, easily put on, and requiring no additional parts other than the rubber band to keep the cover firmly on the jar.

In the accompanying drawings, Figure 1 is a sectional view of a jar and a cover thereon. Fig. 2 is a perspective view of the rubber band. Fig. 3 is a side elevation of the neck or top of a jar, showing the parallel ribs or corrugations.

The jar A has a tapered neck B, which has a series of parallel ribs or corrugations 2, extending around the top of the neck B. These ribs or corrugations 2 extend to about halfway down the neck to where a shoulder 4 is formed to seat the rubber band C, which encircles the neck B and the ribs 2. This rubber band is thin and removable and can be replaced at a slight cost whenever desired. The cap or cover D has a downwardly-extending flange 6, which is tapered on the inside to correspond to the taper of the neck. This cap or cover D can be made out of either metal or glass, as preferred.

When the jar has been filled with preserves or the like, the rubber band C is slipped over the ribs 2 and the cover D is forced down over the rubber band until as tight a fit as is desired is secured. The taper on the inside of the flange 6 gradually forces the rubber band into the grooves 3 and against the ribs

2 and binds the flange and rubber band opposite each rib. This serves to make a series of binding-points which encircle the entire neck opposite each rib, and as the ribs are parallel there is no possibility of any air creeping into the jar, because if even one rib were uneven and allowed the air to pass the others would prevent it. The pressure and friction of the rubber band against the flange opposite each rib 2 is not only sufficient to form perfect sealing-joints, but also serves to hold the cover in place without any additional fastening parts. The partial vacuum that is formed within each jar when the contents are steamed and settled aids in holding the cover in place. A flat tapering neck having a rubber band between it and a corresponding flat tapering flanged cover would partially accomplish this result, but I find in practice that such a construction gives nowhere as good and perfect a result as I can obtain with a series of parallel ribs. It requires some force to remove the cover after being pressed down, the series of parallel ribs making such firm frictional binding-joints. A greater hold could be obtained by having more ribs and a wider rubber band, but the number and size of the ribs, as shown, are about right and sufficient for an ordinary-sized jar.

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

A jar having a tapered neck and an annular recess about the top of the neck and parallel ribs around said neck retired from the plane of the neck below the recess, in combination with a thin and flat flexible band drawn over said ribs and a rigid cover having a slightly-flaring flange engaged over said neck and bearing wholly upon said band to bind the band against and between said ribs, substantially as described.

Witness my hand to the foregoing specification this 15th day of August, 1896.

FREDERICK DEDREUX.

Witnesses:

H. T. FISHER,  
R. B. MOSER.