(No Model.)

J. L. BARTELS, Jr.

VENT CLOSURE.

No. 482,223. Patented Sept. 6, 1892.

Fig. 1.

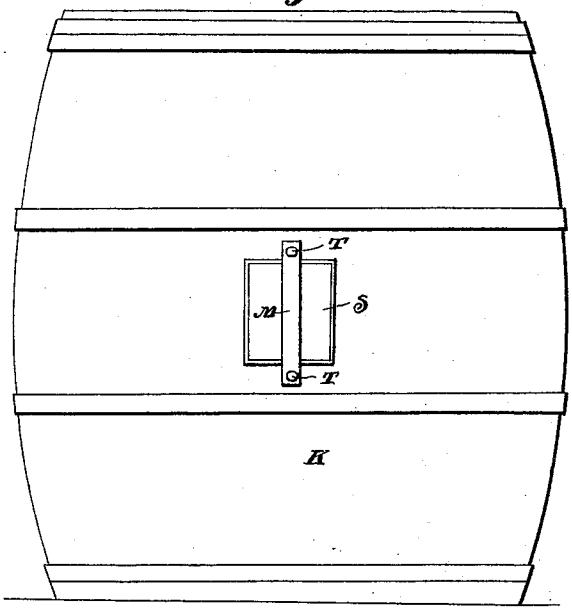


Fig. 2.

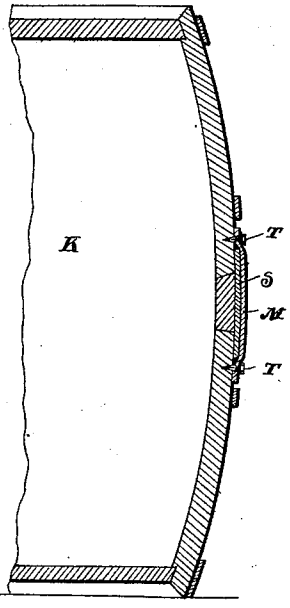


Fig. 3

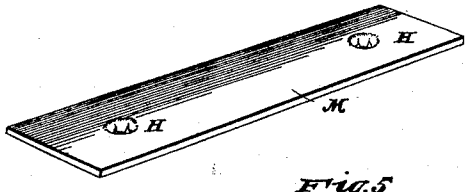


Fig. 4.

Fig. 5

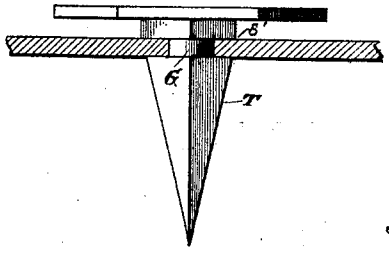
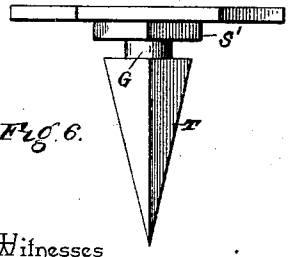


Fig. 6.



Witnesses

Inventor

John L. Bartels Jr.

By his Attorneys,

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UNITED STATES PATENT OFFICE.

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VENT-CLOSURE.

SPECIFICATION forming part of Letters Patent No. 482,223, dated September 6, 1892.

Application filed March 17, 1891. Serial No. 385,420. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. BARTELS, Jr., a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented a new and useful Revenue-Stamp Protector, of which the following is a specification.

The invention relates to improvements in securing devices for closure of vents and the like of receptacles.

The object of the present invention is to provide a securing device which after having been used may be removed without destroying it for further use.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is an elevation of a barrel having a securing device constructed in accordance with this invention. Fig. 2 is a vertical sectional view. Fig. 3 is a detail perspective view, the sheet-metal plate being reversed to show the inner face. Fig. 4 is a longitudinal sectional view of the plate, one of the tacks being in position. Fig. 5 is an enlarged sectional view. Fig. 6 is a detail view of one of the tacks.

Referring to the drawings, M designates a sheet-metal plate or strip having holes punched near its ends, and the stock removed by the punch forms annular flanges P, which surround the holes and are adapted to engage annular grooves G of tacks T. The annular groove of the lock is arranged a short distance from the head, so that a space is formed between the head of the tack and the sheet-metal plate for the reception of any instrument—such as a knife or the like—whereby the securing device may be removed from the barrel K without being injured and unfit for further use. The body of the tack tapers from the groove to the point and forms at the upper side of the groove a projecting shoulder *s'*, against which the stock punched or flanges P strike, whereby they are turned into the grooves of the tacks. The securing device is fastened across a bung B and a stamp S of the barrel K by the tacks T, and the force employed to drive the tacks is sufficient to turn the outwardly-projecting flanges P into the grooves.

What I claim is—

The securing device for closures of vents, &c., the same consisting of a strip of sheet metal provided near its ends with punched openings, the stock removed by the punch forming annular flanges about the openings, and the tacks consisting of a shank and head, the former being provided between its point and the head with an annular groove receiving the flanges and forming a space between the head and the plate for a tack-drawing tool, said shank being tapered from the groove to the point and forming at the top of the groove a shoulder of greater width than the shank at the bottom of the groove to direct the flanges into the grooves, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

JOHN L. BARTELS, JR.

Witnesses:

A. KEFFLE, Jr.,

JOHN A. F. GROTH.