H. W. AVERY.

PACKING VESSEL.

APPLICATION FILED MAR. 31, 1904.

926,230. Patented June 29, 1909.

Fig. 1.

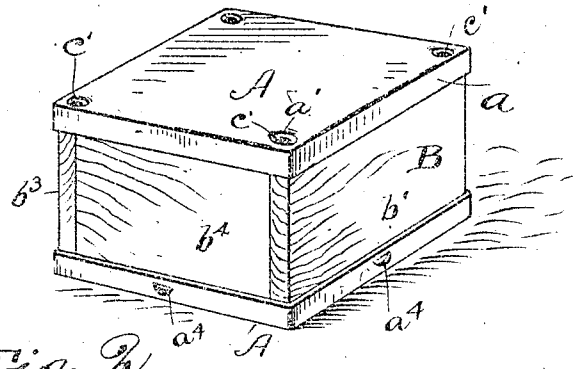


Fig. 2.

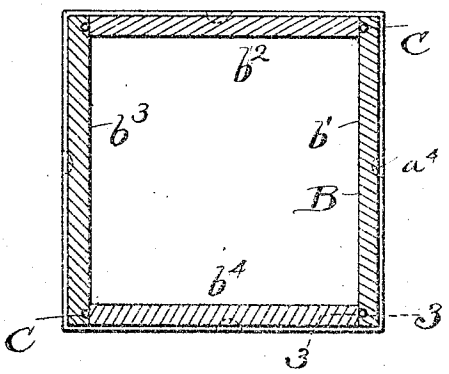
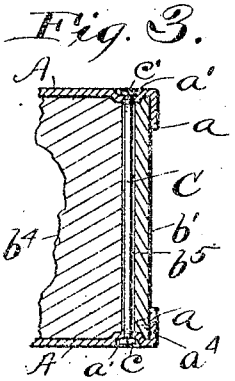


Fig. 3.



WITNESSES.

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UNITED STATES PATENT OFFICE.

HENRY W. AVERY, OF CLEVELAND, OHIO, ASSIGNOR TO THE AVERY STAMPING COMPANY OF CLEVELAND, OHIO, A CORPORATION OF OHIO.

PACKING VESSEL.

No. 926,230. Specification of Letters Patent. Patented June 29, 1909.

Application filed March 31, 1904. Serial No. 200,911.

To all whom it may concern:

Be it known that I, HENRY W. AVERY, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Packing Vessels, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

The object of this invention is to provide a strong, durable and cheap packing vessel. The vessel is preferably rectangular, and comprises essentially a pair of flanged heads, side walls seated within the heads, and through bolts, extending from one head to the other, and holding the parts in place. The preferable arrangement is to have four bolts with their heads occupying depressions in the flanged heads of the vessel. The heads are made of sheet metal, being conveniently stamped out of iron. The side walls of the vessel are of wood, and the bolts occupy recesses in such side walls. I have further devised suitable tongues on the heads which hold them temporarily to the side walls. These features are illustrated in the drawing herein, and more fully hereinafter described.

Figure 1 is a perspective view of my packing vessel, made in a rectangular form. Fig. 2 is a horizontal cross section of same. Fig. 3 is a vertical fragmentary cross section, on the line 3—3 of Fig. 2.

In each of the figures, A represents the flanged heads of the vessel, B the side walls thereof, and C the bolts. Each of the heads A has a peripheral flange a, this flange being at right angles to the general plane of the heads.

As shown, the side wall of the vessel is made of four boards, b', b^2, b^3, and b^4, which abut each other as shown. The boards b' and b^3 are grooved near their ends, as shown at b^5. These grooves come opposite the ends of the boards b^2 or b^4. The grooves are occupied by the bolts C. The heads a of the bolts, and clamping means on the other end thereof, as the nuts c', occupy depressions a' in the heads. These depressions are shown as individual for each bolt. The depressions which the bolt heads and nuts occupy, not only prevent the latter from projecting and marring the surface on which the packing vessel rests, but relieve the nuts from danger of being accidentally knocked off, and, moreover, reinforce the heads. The flanges on either head may be relied on to hold the side walls of the vessels in place when the other head is removed for filling the vessel. I have also devised tongues a^4 formed by cutting into the flange which are turned into the side wall (which if metal should be suitably appertured for this purpose), and thus temporarily hold the vessel together for filling. After the vessel is packed, the last head is put in place, and the nuts turned onto the bolts.

One of the advantages of my packing vessel is the small space it may be made to occupy when knocked down for shipping. Another advantage is the lightness with which it may be constructed. Each of these features operate to reduce the freight charges on the packing vessel from producer to user.

Having described my invention, I claim:

In a packing vessel, in combination, a pair of flanged sheet metal heads placed with their flanges facing each other, side walls having grooves at their ends, and bolts passing through the heads and holding them in place and occupying said grooves, nuts on the ends of said bolts, depressions in the heads which said nuts and the bolt heads occupy, and inwardly turned lips from one of the flanges for holding the boards thereto.

In testimony whereof, I hereunto affix my signature in the presence of two witnesses.

HENRY W. AVERY.

Witnesses:

ALBERT H. BATES,

N. L. BRESNAN.