G. W. McKIM.

Metallic Vessel or Measure.

No. 212,721. Patented Feb. 25, 1879.

Fig. 1

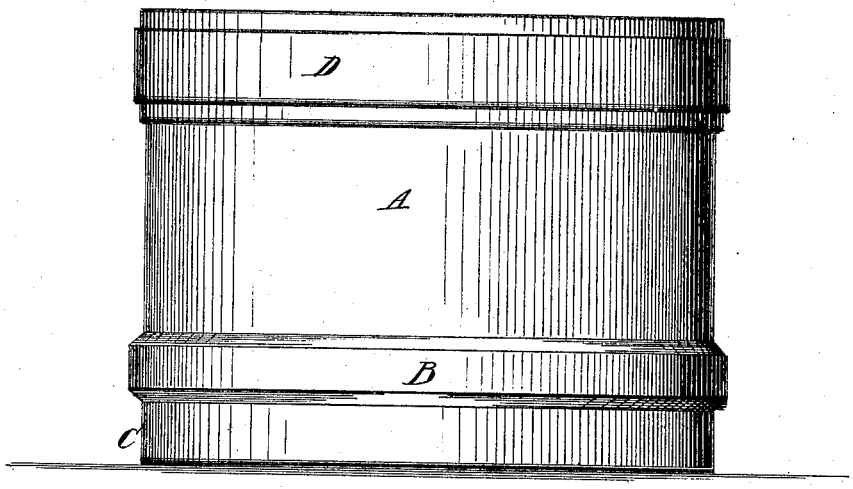
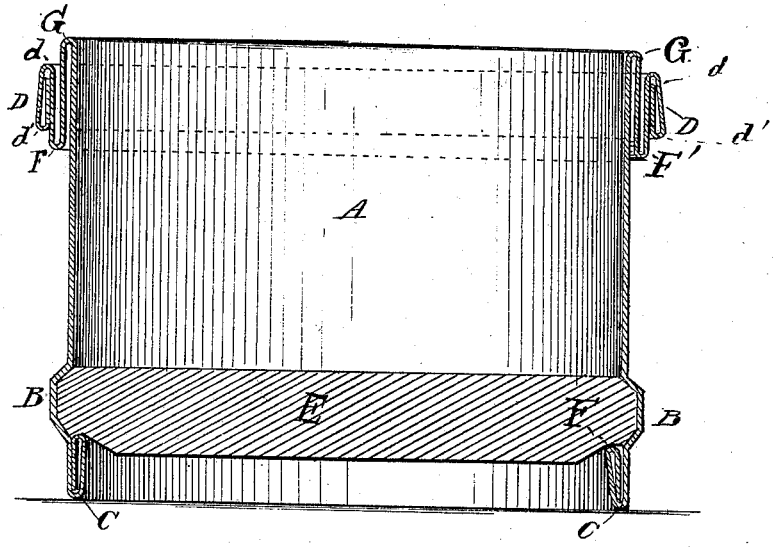


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

GEORGE W. McKIM, OF MARTIN'S FERRY, OHIO, ASSIGNOR OF ONE-HALF HIS RIGHT TO ELLIS J. HOYLE AND J. WILLITS HOYLE.

IMPROVEMENT IN METALLIC VESSELS OR MEASURES.

Specification forming part of Letters Patent No. **212,721**, dated February 25, 1879; application filed April 24, 1878.

To all whom it may concern:

Be it known that I, GEORGE W. McKIM, of Martin's Ferry, in the county of Belmont and State of Ohio, have invented certain new and useful Improvements in Metallic Vessels and Measures; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

In the accompanying drawings, Figure 1 is a front view of a metallic measure with my improvements thereon. Fig. 2 is a vertical section of the same.

My invention relates to metallic vessels or measures intended for rough, hard use, as the packing, transportation, and handling of nails, and for other purposes; and it consists, first, of a metallic vessel or measure made of a single sheet of metal, having a croze in the single thickness of metal, with double bevel and wide interspace between the two bevels, in combination with a head or bottom fitting said croze, and resting on the fold of a thick chine; and, secondly, of a stiffening-band having a narrower outer part, with shoulders thereon, said band being made by bending only a single thickness of metal, all of which will be more fully understood by the following description.

In making metallic vessels or measures according to my patent of the United States dated November 9, 1875, I find it difficult to work the double fold of metal after folding over the edge of the sheet.

In my present improvement I make all the folds or bends in a single thickness of metal, either folding the same over and over or back and forth, reversing the bend to escape folding two thicknesses of metal at one stroke of the bending-rollers.

The metallic vessel or measure shown in the accompanying drawings has a chine, C, and band D, made in the same piece or sheet of metal with the body of the vessel, A. The head or bottom E is very thick, and has its upper and lower edge beveled, yet leaving the edge of the bottom thick and strong, and fitting into the beveled groove B, rolled in the sheet metal. The chine C is made by folding the lower edge of the sheet metal over and over to give three or more thicknesses, and the shoulder thus formed is made to bear against the under side of the bottom or head E, as shown in Fig. 2. In forming this chine the fold or bend in each instance is made in a single thickness of sheet metal.

At the top of the vessel or measure a shouldered finishing and stiffening band, D, is made, the outer portion of said band being narrower than the inner portion, thus giving an ornamental appearance to the same. In forming this band the upper edge of the sheet of metal (forming the body A) is folded over and over, giving three thicknesses (like the chine C, already described) to the outer or narrower portion of the band. Each of these folds is made in a single thickness of metal, and this outer hoop or rib has two shoulders, *d d*. Then the inner and wider portion of this finishing and stiffening band is made by reversing the fold or turn of the sheet metal, as seen at F and G, and these folds or bends, like all the others, are made in the single thickness of sheet metal, and in no case are two thicknesses of metal bent at the same time.

My above-described improvements are applicable to various metallic vessels, but especially to nail-kegs and measures intended for handling nails, and for other rough usages, and the number of folds must be sufficient for the purposes intended.

I do not here claim the separate devices or the details of construction; but I believe that the above-described finishing-band and the chine, in combination with the bottom E, are new.

In constructing a metallic vessel as above described, each fold or bend of the sheet metal is made in a single thickness, and never in a double plate or in two thicknesses at once. The plate may be folded over and over in the same direction, or the sheet may be folded back and forth upon itself to give the required number of thicknesses, as above described; also, the sheet may be folded inwardly in relation

to the body of the vessel, as shown in the chine C, Fig. 2, or outwardly, as shown in the band D, Fig. 2.

The head E rests on the first bend or folding of the metal, as seen at F, Fig. 2; and in the ornamental band D the first fold or inner plate of the band may be wider than the outer one, as seen at F′ G, Fig. 2. Outside of this wider portion of the band are the narrower folds, forming the outer portion of the band, with its separate shoulder *d d′*, Fig. 2.

By the above-described construction I make a strong and neat vessel; and I find a great advantage in making all the folds in a single sheet of metal, instead of folding a double plate, as in my former patent.

Having described my invention, what I claim is—

1. A metallic vessel or measure made of a single sheet of metal, and having a croze in the single thickness of metal, with double bevel and wide interspace between the two bevels, in combination with the head or bottom E, having a thick edge resting on the fold of the chine C, substantially as and for the purposes set forth.

2. The stiffening-band D, consisting of a narrower outer part, with shoulders *d d′*, and a wider part, F G, all the folds of said band being made by bending a single thickness of metal, substantially as set forth.

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

GEORGE W. McKIM.

Witnesses:

J. P. JORDAN, Jr.,

JAMES EAGLESON.