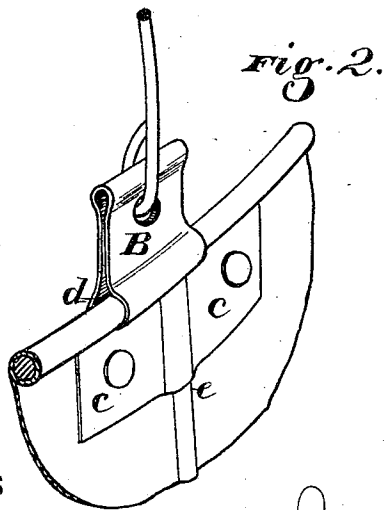
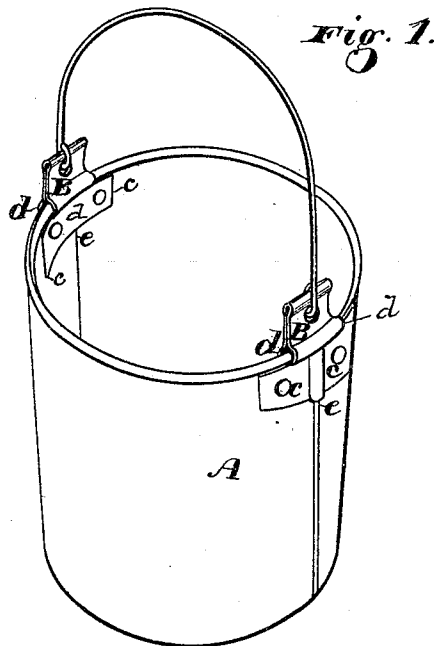


J. F. DONKIN.
BUCKET-EAR.

No. 179,284.

Patented June 27, 1876.



Witnesses

Geo. H. Strong.
Geo. L. Bone.

Inventor

Joseph F. Donkin
by Dewey & Co.
his Attorneys

UNITED STATES PATENT OFFICE.

JOSEPH F. DONKIN, OF GRAYSON, CALIFORNIA.

IMPROVEMENT IN BUCKET-EARS.

Specification forming part of Letters Patent No. **179,284**, dated June 27, 1876; application filed March 24, 1876.

To all whom it may concern:

Be it known that I, JOSEPH F. DONKIN, of Grayson, Stanislaus county, State of California, have invented an Ear for Buckets; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention without further invention or experiment.

The object of my invention is to provide certain improvements in the ears employed for buckets, kettles, coal-hods, &c.; and it consists in forming the ear of a piece of metal doubled so as to clasp the rim, joint, and side of the vessel. Through these three thicknesses the rivets are made fast, thus strengthening the whole, and preventing the tearing off of the ears.

Referring to the drawings, Figure 1 is a view showing the application of my invention to a bucket. Fig. 2 is an enlarged view of the ear.

A is the side of a bucket, kettle, coal-hod, or other vessel, to which the ear is to be secured, for the purpose of receiving a bail or handle by which to carry it. The ear is formed of a piece of any suitable metal, stamped or cut out, as shown in Fig. 1, and this piece is bent in the middle, and perforated to form the loop B and clasping-jaws *d*, so that the two extended end pieces or wings *c c* will clasp the side of the bucket, one inside and the other outside. The plate is so pressed that a groove

will be formed to fit around the wire in the top of the vessel at *d*, and the plate is also fitted to the vertical seam in the side of the vessel, being then riveted upon each side of the seam *e e*. These rivets pass through the side of the vessel, and through both parts of ear, so that it will be impossible to tear out the rivet as when the ear is made single.

The exact form of the ear, or the manner of fitting it, is not essential, as it will be varied to suit the different styles of vessels to which it is applied.

The upper part of this double ear is perforated through both parts, near the bight or fold B, to receive the bail.

By this construction I am enabled to form an ear which materially strengthens the vertical seam, and prevents it from opening, and by fitting it around the wired edge the strain is partially removed from the rivets and transferred to this edge.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

As a new article of manufacture, an ear for buckets and other vessels made of a single piece of metal bent to form the perforated loop B, with its clasping-jaws *d*, and provided with the extended wings *c c* for riveting, substantially as described.

JOSEPH FOSTER DONKIN.

Witnesses:

H. N. TERRY,
J. J. HALL.