

J. M. SHANK.
WIRE EAR FOR METAL BUCKETS.

No. 93,355.

Patented Aug. 3, 1869.

FIG. 1.

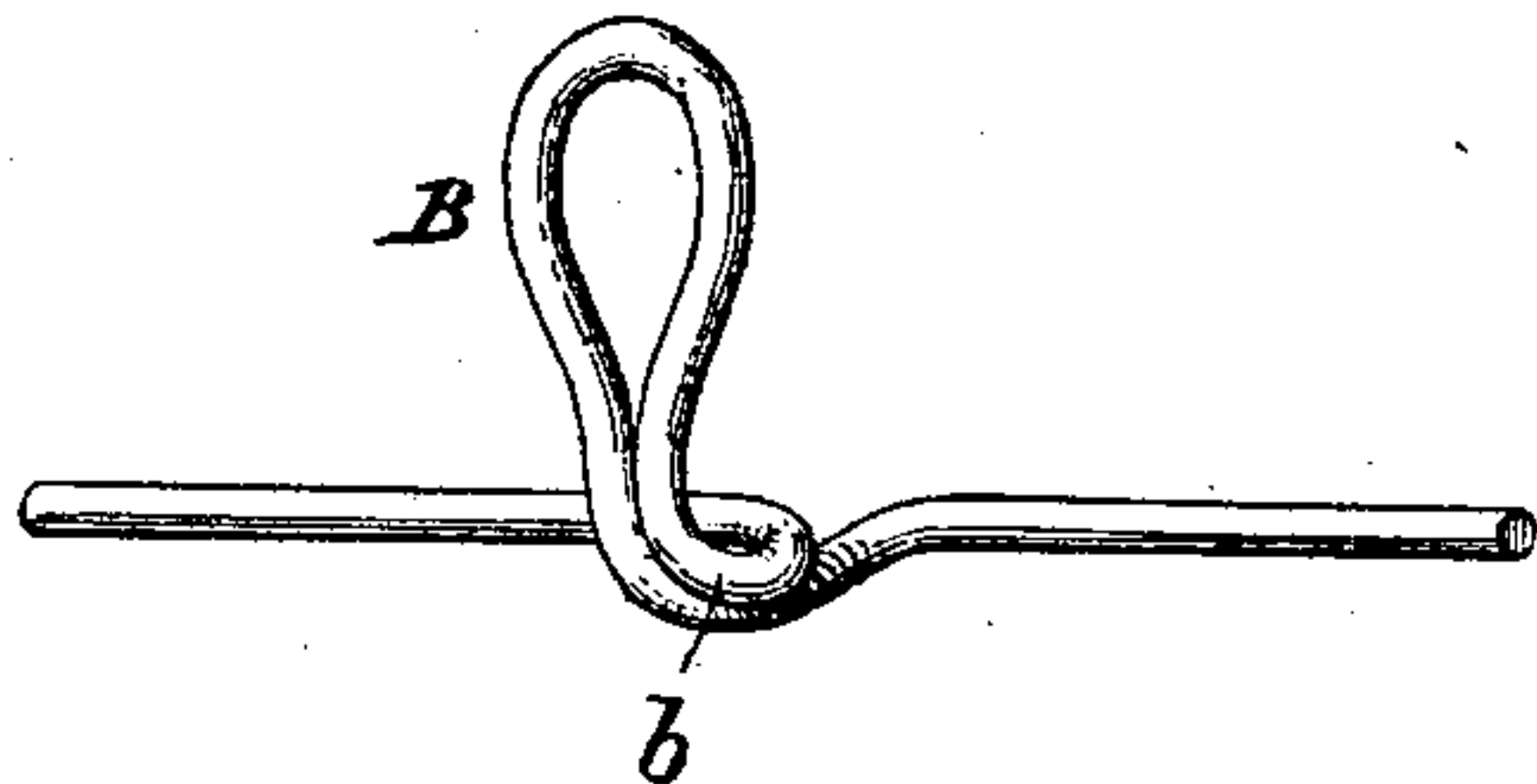
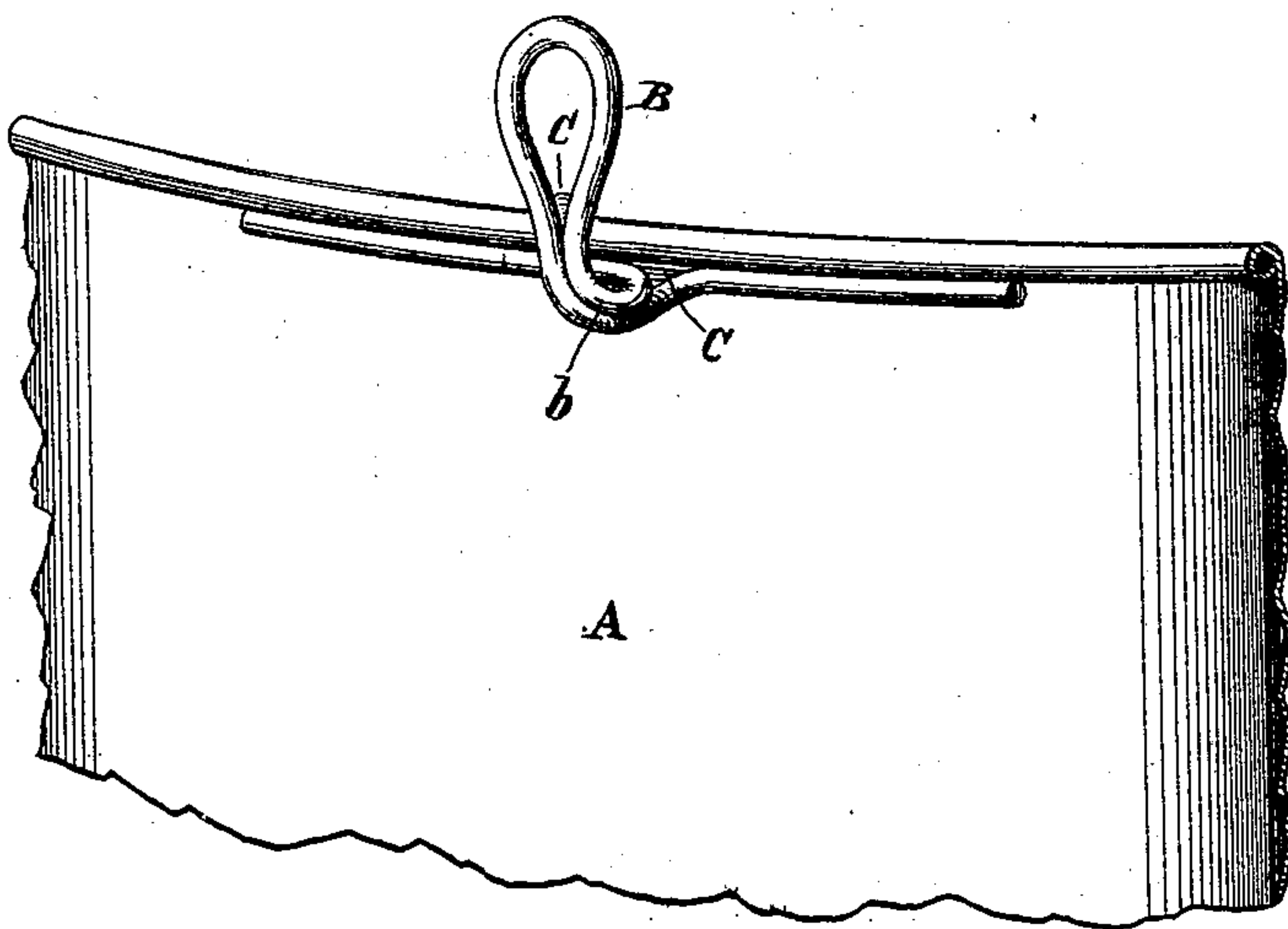


FIG. 2.



ATTEST.

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JOSEPH M. SHANK, OF DAYTON, OHIO.

IMPROVEMENT IN WIRE EARS FOR METAL BUCKETS.

Specification forming part of Letters Patent No. 93,355, dated August 3, 1869.

To all whom it may concern:

Be it known that I, JOSEPH M. SHANK, of Dayton, Montgomery county, Ohio, have invented a new and useful Wire Ear for Tin Buckets and other metallic vessels; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to the conformation given to the wire which renders the ear strong in the portion which bears the greatest strain, and which is found in practice to be most liable to fracture.

Figure 1 is a view of my wire ear as furnished to the trade and ready for attachment to a vessel. Fig. 2 is a perspective view of the same attached to the vessel.

Ears have heretofore been made of wire for subsequent attachment to sheet-metal vessels, but have been found subject to fracture or separation near the place of attachment. This difficulty is obviated in my improvement by crossing the wire at that point in the manner shown, which not only directly increases the strength of the ear against outward and inward strain, but forms also so close a connection between the two portions of the wire that the solder very readily fills the interstices both between the parts of the wire and be-

tween them and the body, and materially adds to the strength.

In the drawings, A, Fig. 2, is a portion of a tin bucket, and B a wire bail ear attached thereto.

It will be seen that the wire is so crossed and bent at a point, *b*, as that the end of the wire which is attached to the vessel extending to the right is crossed over and forms the left side of the ear proper, and vice versa.

C is the solder—which is shown in blue—and which can be readily made to fill the space between the body and the wire and the interstices of the latter, which cannot so readily be done in an ear in which the wire is not crossed, as the metal will not bear so short a bend as would be necessary to lessen the cavity sufficient to allow the easy filling of the same with solder.

I claim herein as new and of my invention—

A wire ear the portions *b* of which are bent and crossed, in the manner and for the purposes set forth.

In testimony of which invention I hereunto set my hand.

JOSEPH M. SHANK.

Witnesses:

GEO. H. KNIGHT,

JAMES H. LAYMAN.