

**E. WHITNEY.**  
**Hooping Pails and Tubs.**

No. 150,736.

Patented May 12, 1874.

FIG. 1.

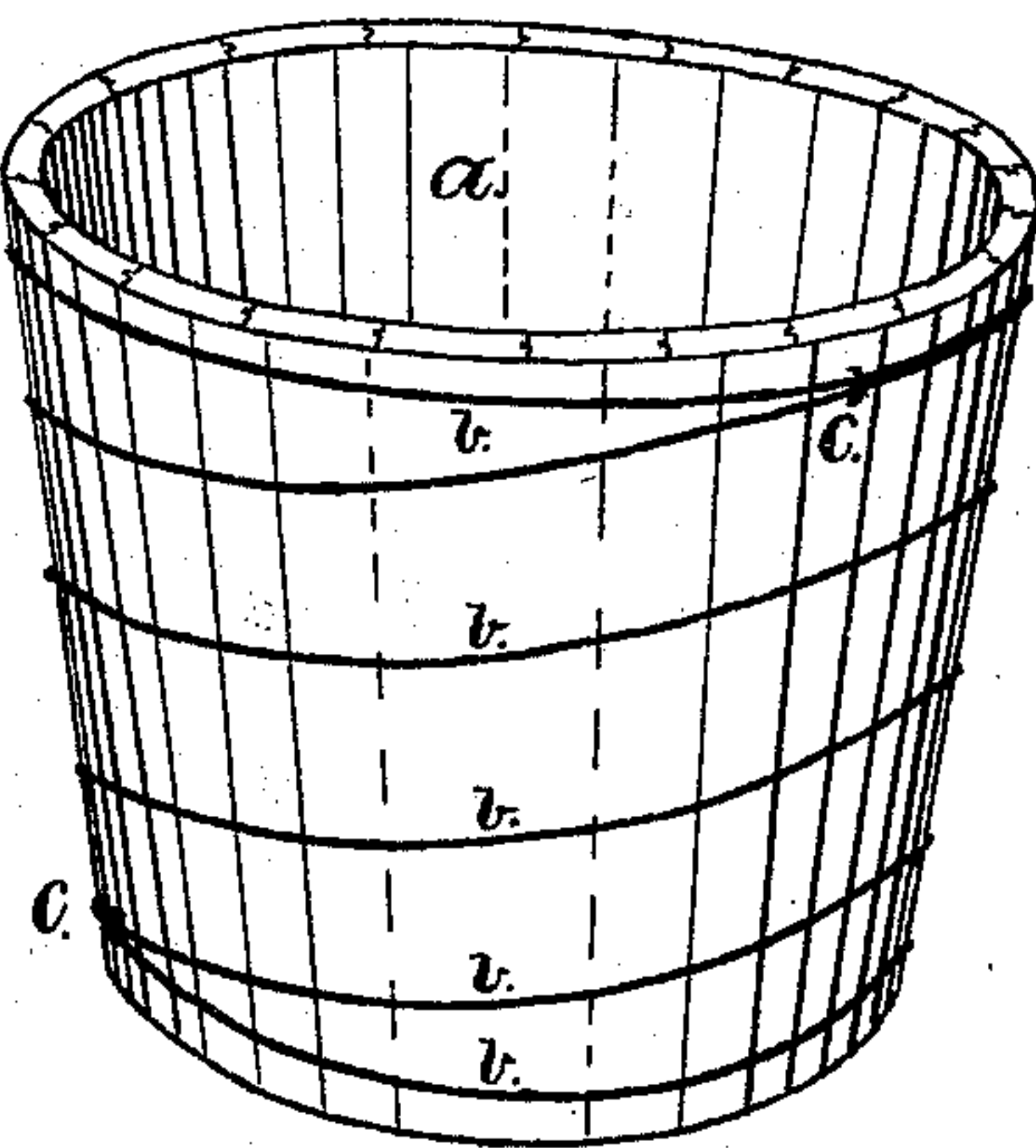
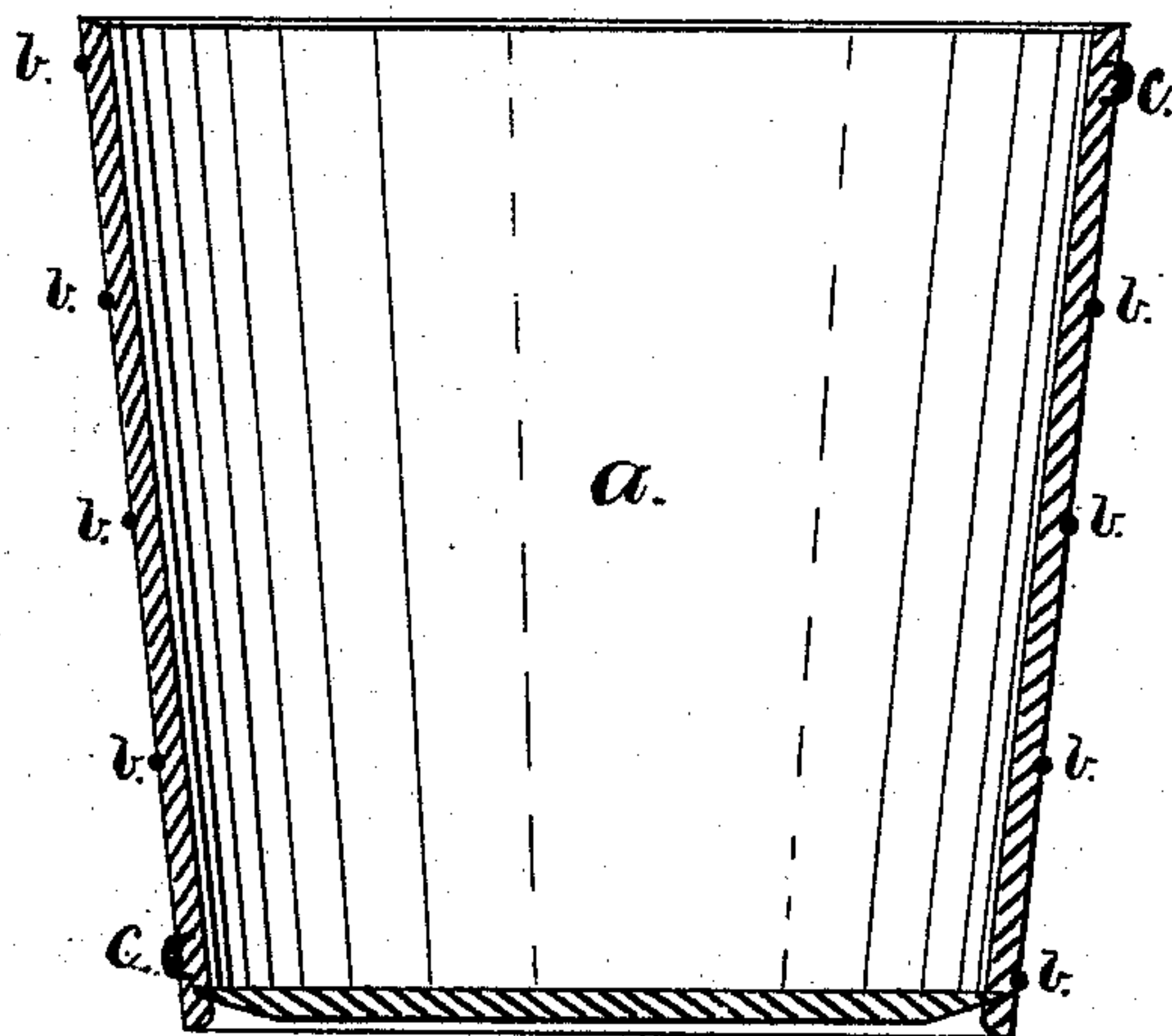


FIG. 2.



WITNESSES:

*Edward C. Ryer*  
*A. B. Halbert*

INVENTOR:

*Edmund Whitney*

# UNITED STATES PATENT OFFICE.

EDMUND WHITNEY, OF WILLISTON, VERMONT.

## IMPROVEMENT IN HOOPING PAILS AND TUBS.

Specification forming part of Letters Patent No. **150,736**, dated May 12, 1874; application filed March 5, 1874.

*To all whom it may concern:*

Be it known that I, EDMUND WHITNEY, of Williston, Chittenden county, Vermont, have invented an Improvement in Hooping Pails and Tubs, &c., of which the following is a specification:

The nature of my invention consists in a new article of manufacture resulting from an improved mode of hooping or binding pails, tubs, firkins, barrels, &c., and which prevents rusting out and consequent bursting, as well as preventing the pail or tub, &c., from falling to pieces when dry.

In the usual modes of hooping with metal, the hoops, being driven up while the material is dry, consequently hug so close that paint or other preservative of the metal cannot possibly reach the inside of the same. As necessarily follows, the metal must begin to corrode as soon as the pail is used.

In my improvement I use round or other wire, galvanized or plain, former on plain and latter on painted stock, in one continuous piece, running the same around the pail, &c., in a spiral manner, securing at top and bottom in any known mode. Previous to placing the wire binding on the pail, &c., I make a tight groove for same, which insures it in place if the pail shrinks.

Figure 1 is a general view of a pail or firkin. Fig. 2 is a vertical section through same.

The pail *a* is made of staves and bottom in the usual manner, and, when put together ready for binding, the wire *b b b* is secured at top or bottom at *C* with a staple, the wire being carried once or twice around level first, and then carried around and up in the groove until the top is reached, when, like the bottom, it is carried around once or twice level, and secured as at the bottom.

It is obvious that where so small a surface impinges upon the wood, rusting is almost out of the question; and that where the stock is painted, the groove being larger than the wire, the paint will reach entirely around and coat the wire. It is also obvious that the binding or hooping may be done by hand or machinery.

I am aware of the patent granted to Asa W. Ballou, No. 124,656, March 19, 1872, and hereby disclaim the same.

I claim as my invention—

A new article of manufacture, consisting of the vessel *a*, formed of staves, which are held in position by a continuous wire coiled from top to bottom, the ends of said wire being fastened to the coils next thereto, substantially as shown and described.

EDMUND WHITNEY.

Witnesses:

EDWARD C. RYER,  
A. B. HALBERT.