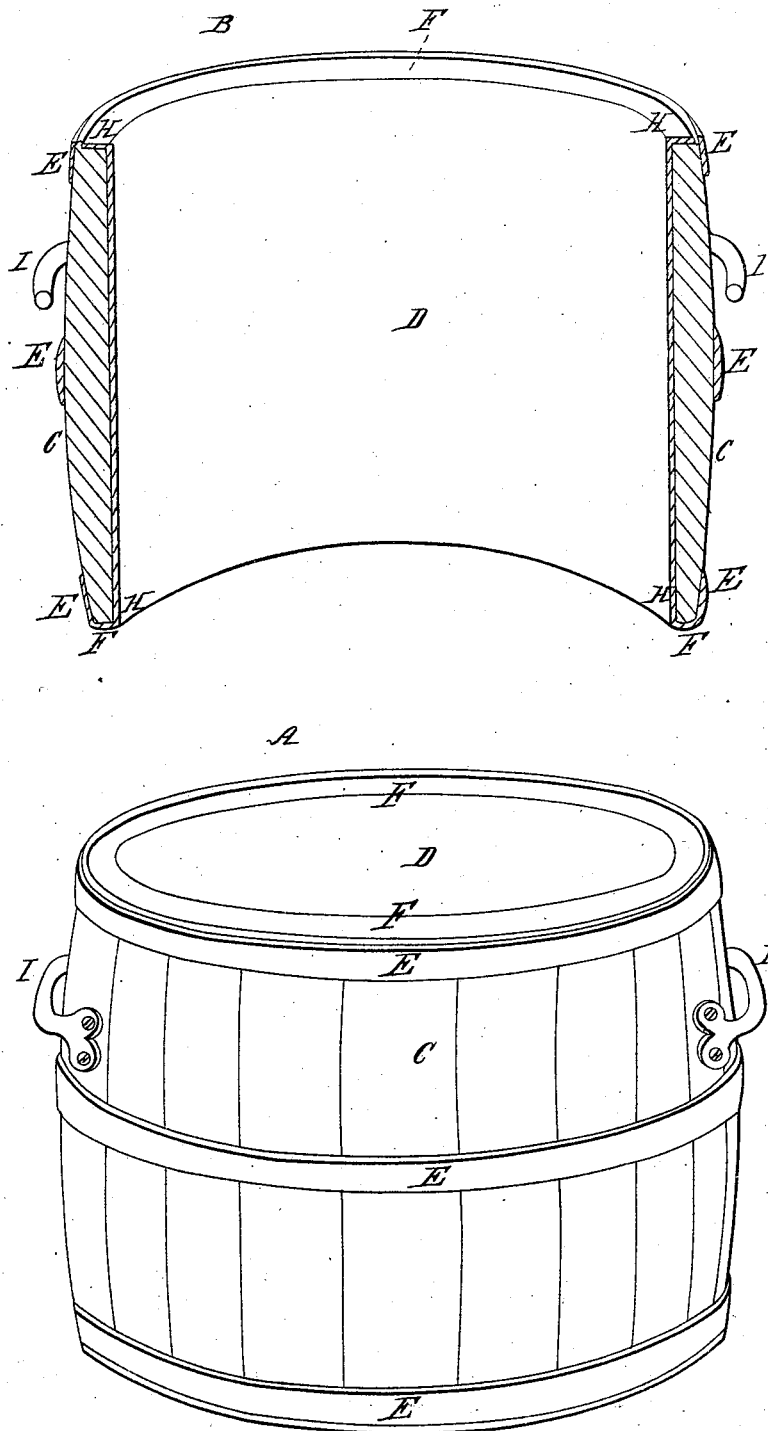


H. W. MILLAR.

Cheese Hoop.

No. 55,140.

Patented May 29, 1866.



Witnesses:

*J. G. Cope*  
*James Brown*

Inventor:

*H. W. Millar*

# UNITED STATES PATENT OFFICE.

HENRY W. MILLAR, OF UTICA, NEW YORK.

## IMPROVEMENT IN CHEESE-HOOPS.

Specification forming part of Letters Patent No. **55,140**, dated May 29, 1866.

*To all whom it may concern:*

Be it known that I, HENRY W. MILLAR, of the city of Utica, county of Oneida, and State of New York, have invented an Improvement in Cheese-Hoops; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying model and drawings, and to the letters of reference marked thereon.

The nature of my invention consists in a metallic lining applied to different kinds of wooden cheese-hoops heretofore in use.

The advantages claimed over the wooden hoops are that they absorb no whey, the cheese slips easily out of them, they do not shrink or swell, always retain their shape, are more convenient to handle, and are much stronger and more durable.

The chief advantages claimed over the entirely metallic hoops are that they are much lighter and easier to handle, are not so easily pressed out of shape, and can be made and sold at a much less expense.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

In the drawings above referred to, exhibit A represents the cheese-hoop complete. Exhibit B represents an interior view of the cheese-hoop cut in half. Letter C represents the wood-work of the hoop. Letter D represents the metallic lining. E E E represent the iron bands that bind the hoop together. F F represent the flange turned on the end of the metallic lining. This flange is turned over each end of the hoop, securing the lining in its place. H H represent a section of the me-

tallic lining. I I represent the handles of the hoop.

The chief difficulty with the wooden unlined hoop is, that the whey, being pressed with great force into the pores of the wood, expands or swells the wood and causes it to cling cohesively to the cheese, rendering it very difficult to be removed.

My improvement entirely obviates this difficulty. The solid iron hoop now in use also obviates, in part, the same difficulty; but my hoop is an improvement over that in this, that the solid iron hoop, in order to have the strength necessary to resist the great pressure upon it, has to be made of great thickness, and consequently very heavy, clumsy, and inconvenient to be handled, the quantity of metal necessary in its construction rendering it very expensive, whereas my hoop is light and very convenient to be handled, and can be furnished at one-third less than the solid iron hoop.

The lining of my hoop, being thin and light, admits of being made of tin, zinc, iron, (galvanized or not,) or almost any other metallic substance.

What I claim as my invention, and desire to secure by Letters Patent, is—

A cheese-hoop made of wood hooped with iron bands, the inner surface whereof is lined with a metallic lining, as hereinbefore described, my invention consisting in the application of the metallic lining.

Dated Utica, March 29, 1866.

HENRY W. MILLAR.

Witnesses:

J. G. COYE,  
JAMES BROWN.