H. Cooper,

Cheese Hoop Follower.

No. 89,500. Patented May 4. 1869.

Fig. 2.

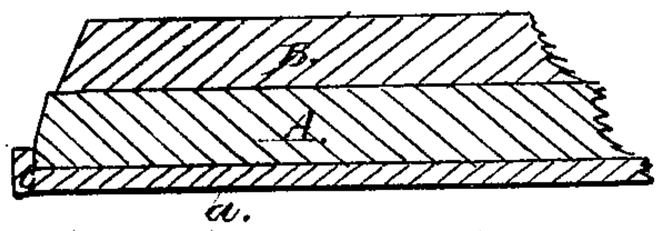


Fig. 3.

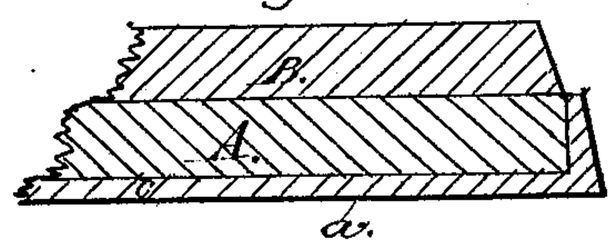
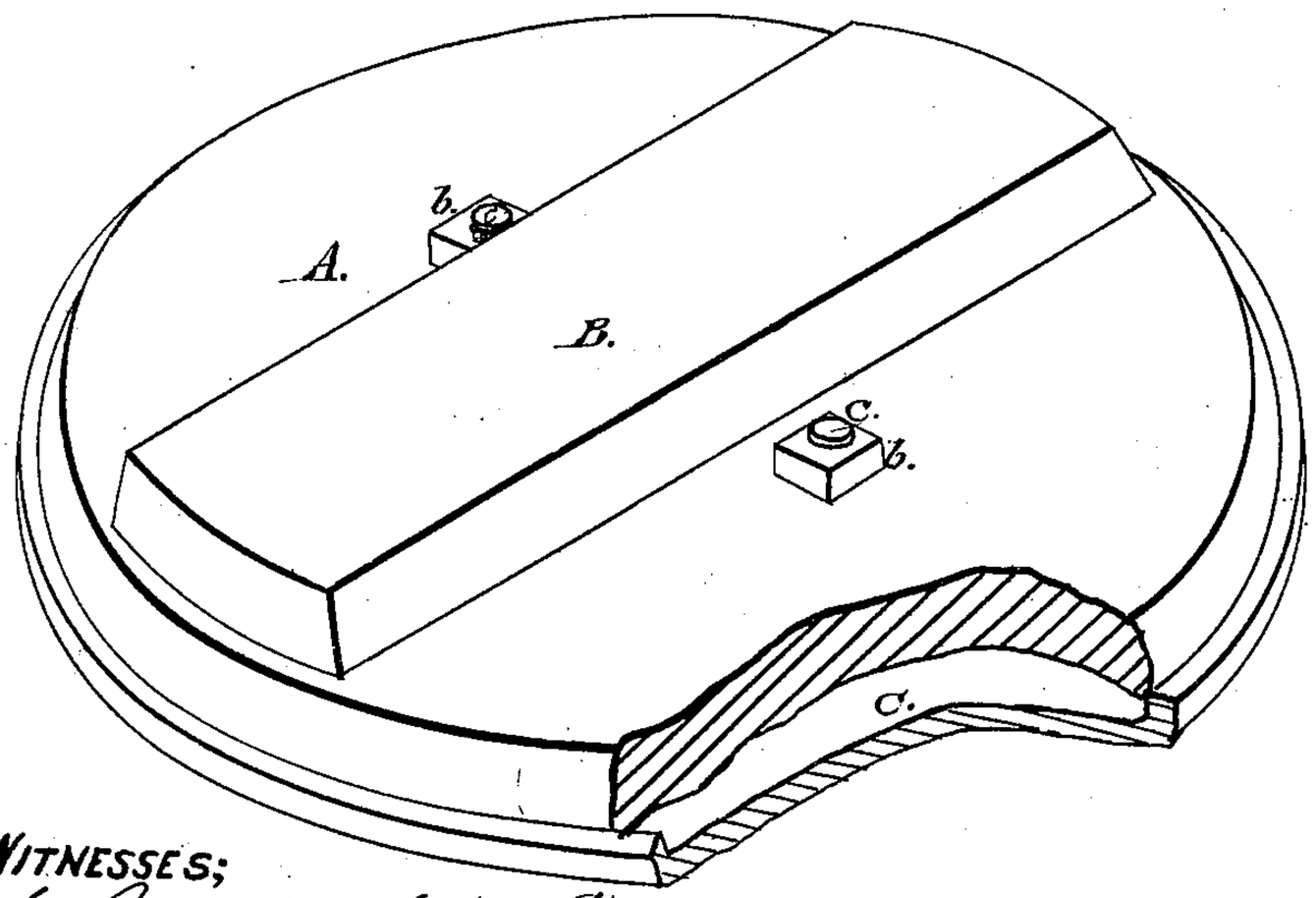


Fig. 1.



WITNESSES;

W. G. Belknap

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INVENTOR:

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United States Patent Office.

HOWELL COOPER, OF WATERTOWN, NEW YORK.

Letters Patent No. 89,560, *dated May* 4, 1869.

IMPROVEMENT IN CHEESE-HOOP FOLLOWER.

The Schedule referred to in these Letters Patent and making part of the same.

Be it known that I, HOWELL COOPER, of Watertown, in the county of Jefferson, in the State of New York, have invented a new and useful Improvement in the Construction of Cheese-Hoop Followers; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, like letters referring to like parts in all the figures.

The nature of my invention consists in the construction of cheese-hoop followers, wholly of metal, or partly of wood, with a metal face, to be employed in pressing cheese, which will obviate the difficulties attendant upon the use of the ordinary wood follower.

As is well known, when wood hoops and followers are used, the expansion and contraction are unlike, creating an inequality in the diameters of the hoops and followers. The result of such inequality need not be explained, it being obvious.

Another objection to the use of wood followers is, the adhesion which takes place between the cheese and followers. Such adhesion causes an uneven surface to be made upon the upper surface of the cheese where the follower comes in contact with it.

To obviate these objections to the use of wood followers and hoops, I employ a metallic cheese-hoop, and a follower partly wood and partly metallic, or wholly metallic, the face of which shall be anti-corrosive and non-adhesive, when employed for the purpose of pressing cheese.

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

In the accompanying drawings—

Figure 1 is a perspective view of a follower constructed with a metal face, and

Figures 2 and 3 are vertical sections of the same.

A is a disk, and B, a cross-piece, of wood.

C is a metallic plate, fitting the bottom of the disk A, the plate having a flange, to fit the edge of the disk A, as shown in figs. 2 and 3. The outer face of the plate C, and its flange, is rendered anti-corrosive and anti-adhesive by either of the processes of tinning, galvanizing, or enamelling.

In the drawings, the metal face or head of the follower, for the purpose referred to, is provided with a coating, *a*, of enamel, or other vitreous substance, applied in the manner well known to those skilled in the art. The wooden and metal parts of the follower are also held together by means of bolts and nuts *b c*.

Another form of construction of my improvement, besides that shown in the drawings, would be to construct the follower wholly of metal, with a flange, as shown in figs. 2 and 3, and with radial ribs, to strengthen the same.

My improvement will be operated in the same manner as are followers of the usual construction, its advantages being that the disadvantages of unequal expansion and contraction between the hoops and followers, and the adhesion of the cheese to the follower are entirely obviated.

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

A cheese-hoop follower, having a metallic face or head, which is enamelled, or treated in an equivalent manner, so as to be anti-corrosive and non-adhesive, substantially as and for the purposes shown and set forth.

H. COOPER.

Witnesses:

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JNO. M. SIGOURNEY.