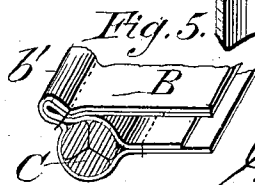
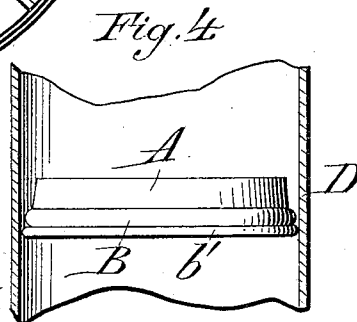
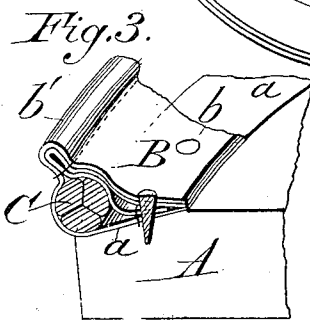
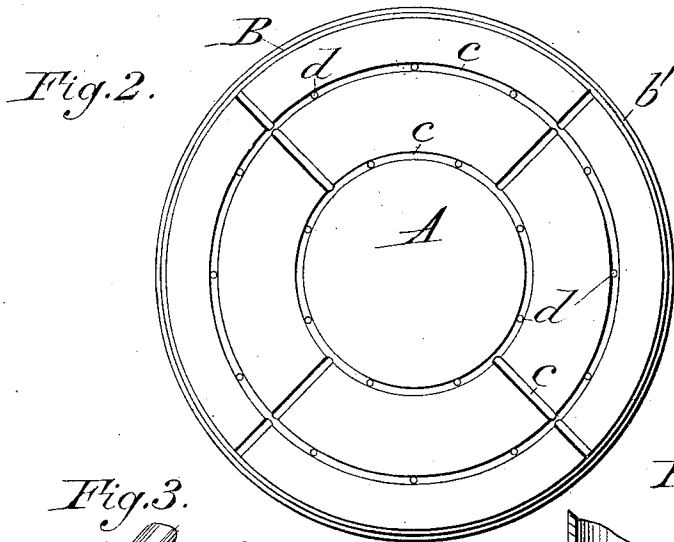
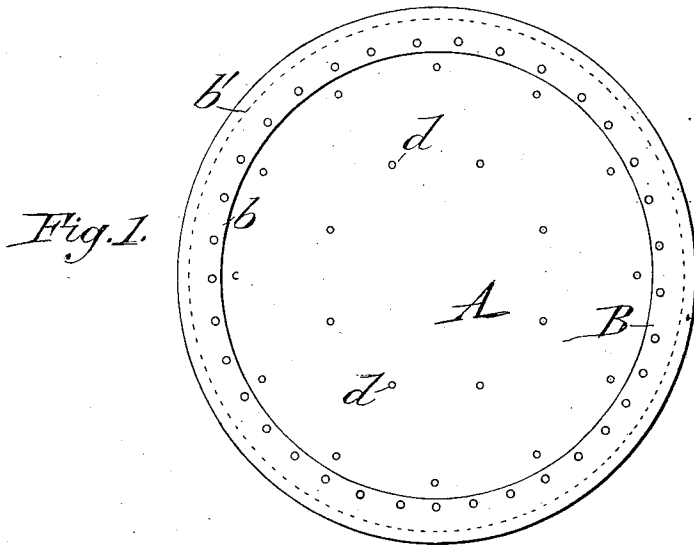


(No Model.)

G. CASTLE.
Cheese Hoop Follower.

No. 242,598.

Patented June 7, 1881.



Attest:
H. H. Schott.
A. R. Brown.

Inventor:
Gaswin Castle
per J. C. Tasker
att'y

UNITED STATES PATENT OFFICE.

GOSWIN CASTLE, OF AVA, NEW YORK.

CHEESE-HOOP FOLLOWER.

SPECIFICATION forming part of Letters Patent No. 242,598, dated June 7, 1881.

Application filed April 21, 1881. (No model.)

To all whom it may concern:

Be it known that I, GOSWIN CASTLE, a citizen of the United States, residing at Ava, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Cheese-Hoop Followers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to the construction of followers for cheese-hoops; and it consists in attaching to the same an expansible ring or washer composed of a coil or roll of fibrous material inclosed in a suitable covering-strip, said ring being arranged to fit closely within the cheese-hoop, whereby the curd or edge of the cheese, while under pressure, will be effectually prevented from being forced between the edge of the follower and the side of the cheese-hoop, as hereinafter more fully set forth.

In the annexed drawings, which fully illustrate the invention, Figure 1 is a bottom view of the follower. Fig. 2 is a top view of the same. Fig. 3 is a sectional perspective of the follower, showing the manner of forming and attaching the ring. Fig. 4 is a vertical section of a cheese-hoop with the follower applied; and Fig. 5 is a sectional detail.

Like letters indicate like parts.

Heretofore there has been considerable difficulty in pressing cheese so that it will come from the hoop with clean, smooth corners or edges, without fins and roughness. Many auxiliary devices, such as beveled crevice-hoops, elastic washers, and right-angled hoops or rings have been employed in order to obviate this difficulty, but not always with satisfactory results. The use of such appliances is also attended with more or less trouble in securing a proper adjustment, unless the follower is made to fit tightly within the hoop, in which case it is prevented from moving freely, and on account of swellings may be difficult to remove without breaking the cheese. On the other hand, should the follower shrink from non-use, its relative adjustment with the auxiliary rings and hoops before mentioned is

disarranged, and beside their liability of becoming thus displaced under pressure a considerable space is left between the follower and hoop, into which the cheese is forced. The difficulties referred to have been greatly lessened by the attachment of an elastic packing-ring to the lower edge of the follower so as to project slightly beyond the same, and thus by pressing against the interior of the hoop prevent the passage of curd between it and the follower. These rings possess more or less rigidity, however, and are liable to become detached.

By my invention an elastic or expansible packing-ring of peculiar construction is attached to the follower in such a manner as to project beyond its edge and fit closely against the interior of the cheese-hoop, so as to effectually prevent the passage of curd and the formation of fins on the side of the cheese.

To the lower edge of the follower A, which is beveled at *a*, is attached a packing-ring, B, that consists of a cloth or canvas strip, *b*, or other suitable material, inclosing a rope, cord, or coil of fibrous material, C, of suitable diameter or thickness. The ring thus formed is securely attached to the follower so as to rest on the bevel *a* and project slightly below the lower face of the follower and beyond its periphery.

On the strip B, below and slightly to the outer side of the cord C, is a hem, *b'*, that under pressure projects beyond the cord C and effectually closes any space or crevice between it and the interior of the hoop. This hem may be formed of two or more thicknesses of cloth, as desired, and is secured by suitable stitching. It will be seen that as the follower A is caused to move forward in the hoop D, so as to press the cheese, the cord C inclosed in the packing-strip B will become expanded against the bevel *a* and press firmly outward against the interior of the hoop with an equal pressure at all points that is supplemented by the projecting hem *b'* beneath, so as to effectually prevent the passage of the hoop contents. The hem *b'* not only assists in exerting a proper pressure against the interior of the hoop, but also serves to hold the cord or roll C firmly in place.

The follower A is provided on its upper face

with grooves *c*, and also has apertures *d* leading thereto for the passage of the whey.

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

- 5 1. As a new article of manufacture, a follower for cheese-hoops, having an expansible packing-ring composed of a roll or coil of fibrous material inclosed in a suitable covering-strip, substantially as specified.
- 10 2. The combination, with the follower A, having bevel *a*, of the expansible packing-ring

B, composed of a strip of cloth, canvas, or other suitable material, *b*, having a projecting hem, *b'*, and inclosing a coil or cord, C, of fibrous material, substantially as and for the purpose set forth. 15

In testimony whereof I affix my signature in presence of two witnesses.

GOSWIN CASTLE.

Witnesses:

ADAM POHL,
G. H. ENEARL.