

R. McCully,

Fruit Jar,

N^o 102,024.

Patented Apr. 19, 1870.

Fig. 1

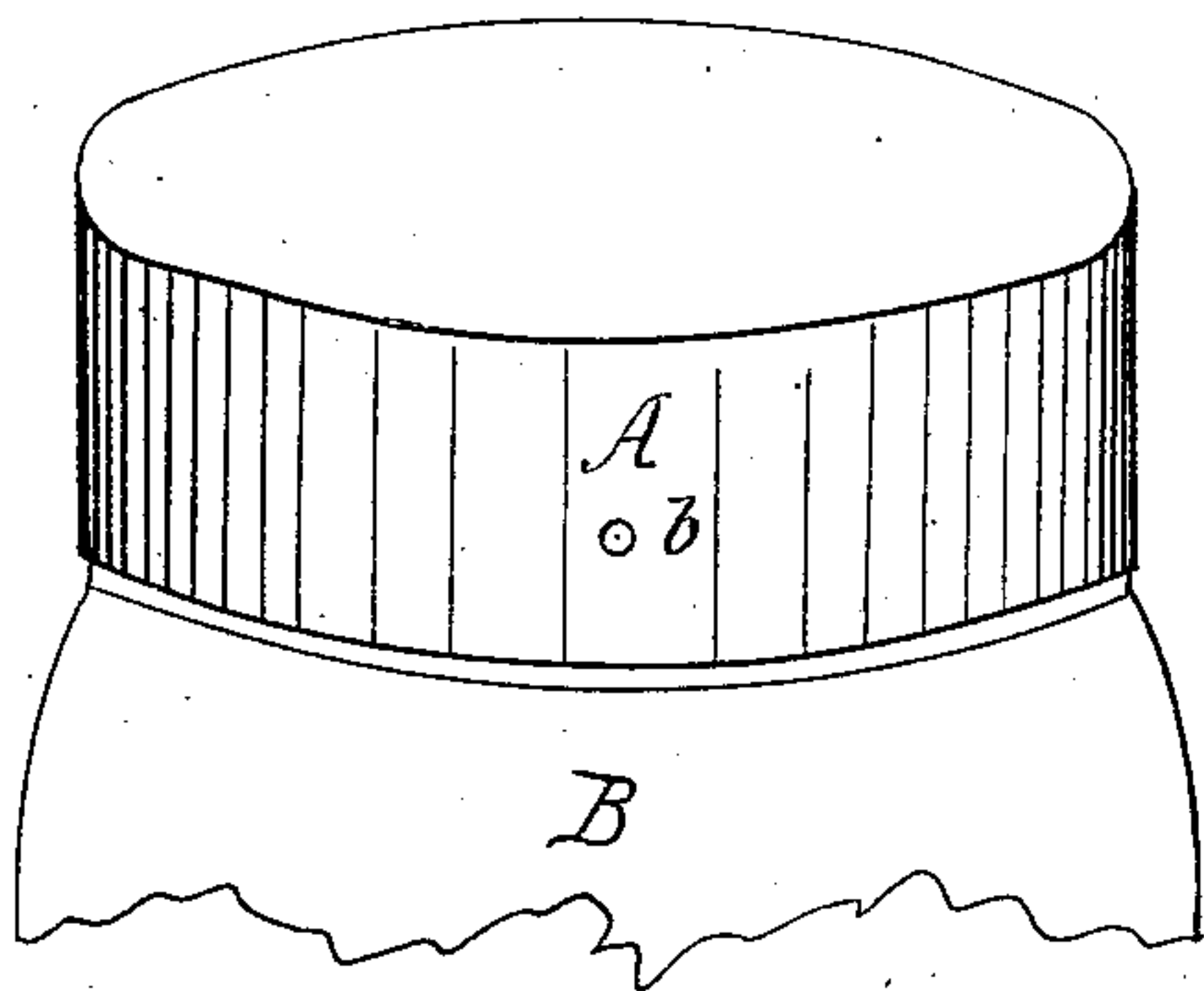


Fig. 4

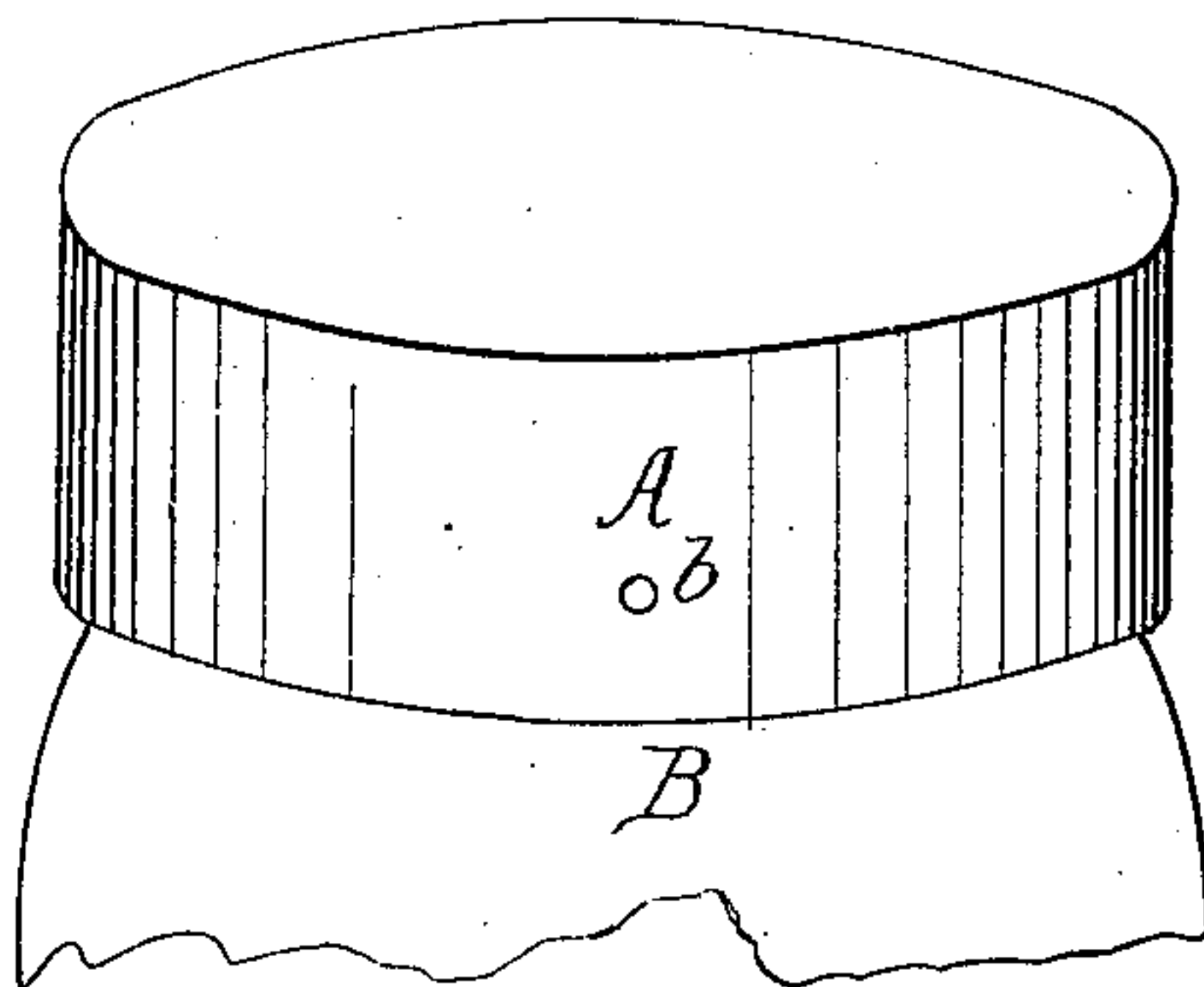


Fig. 2

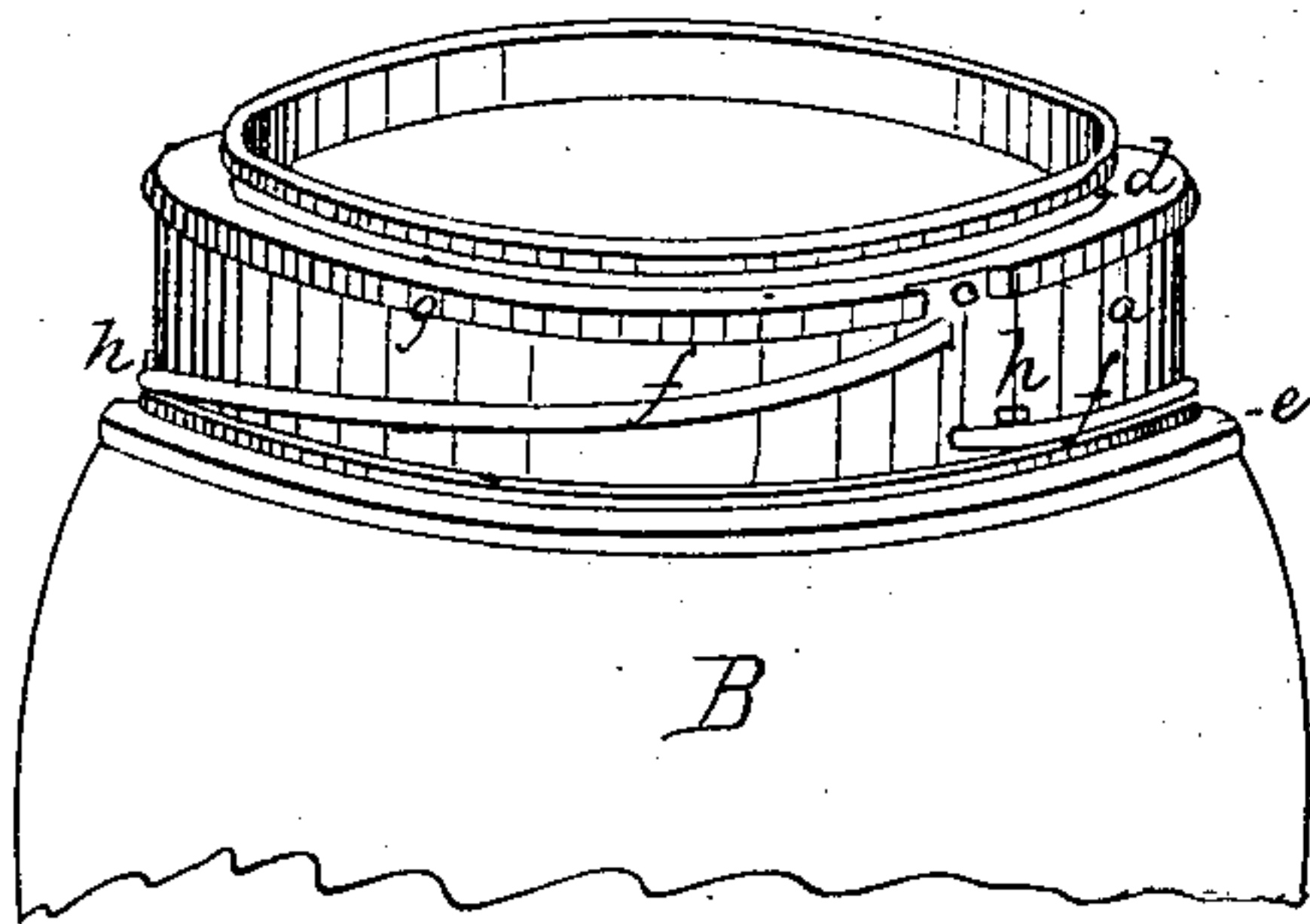


Fig. 5

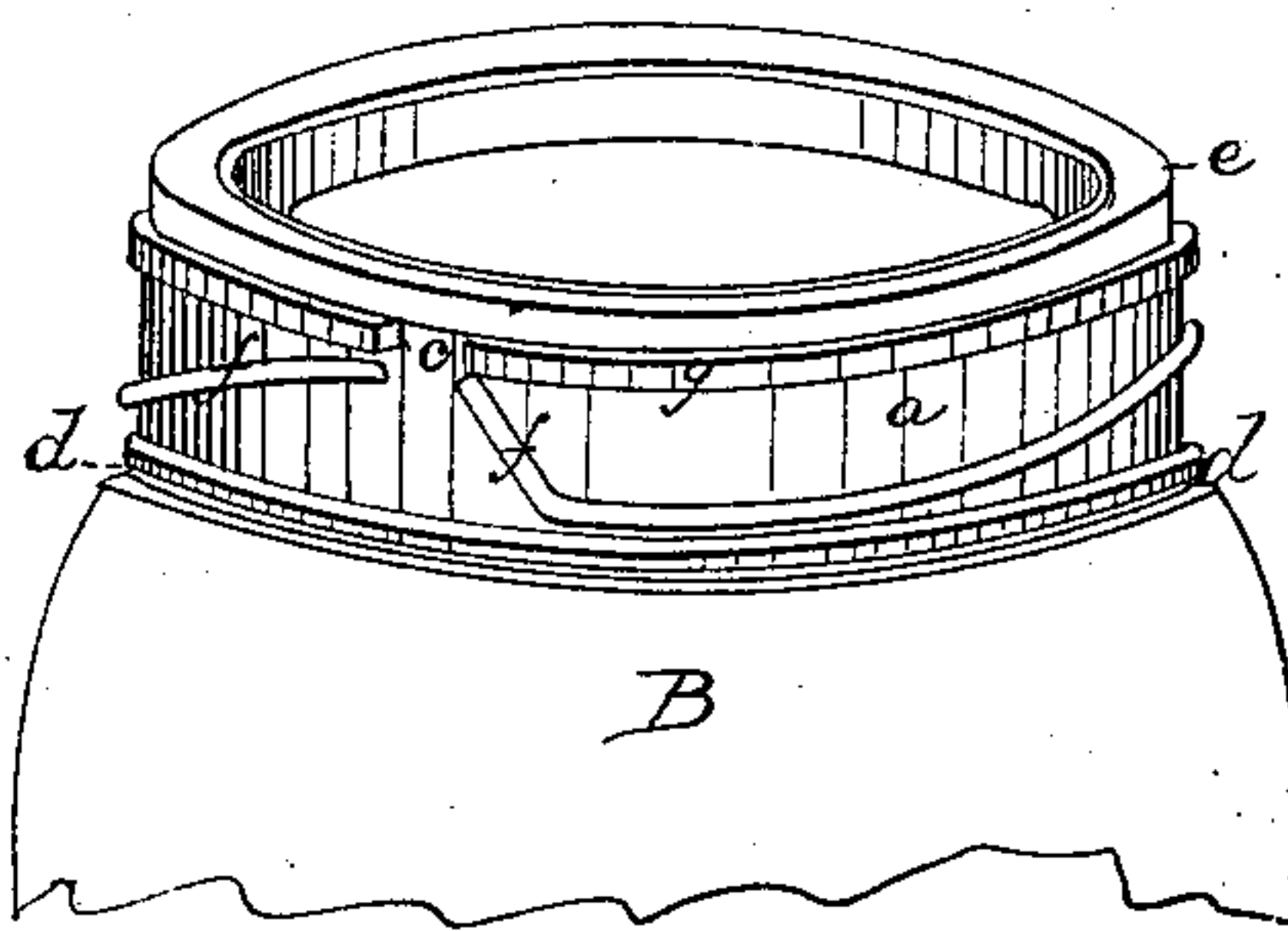
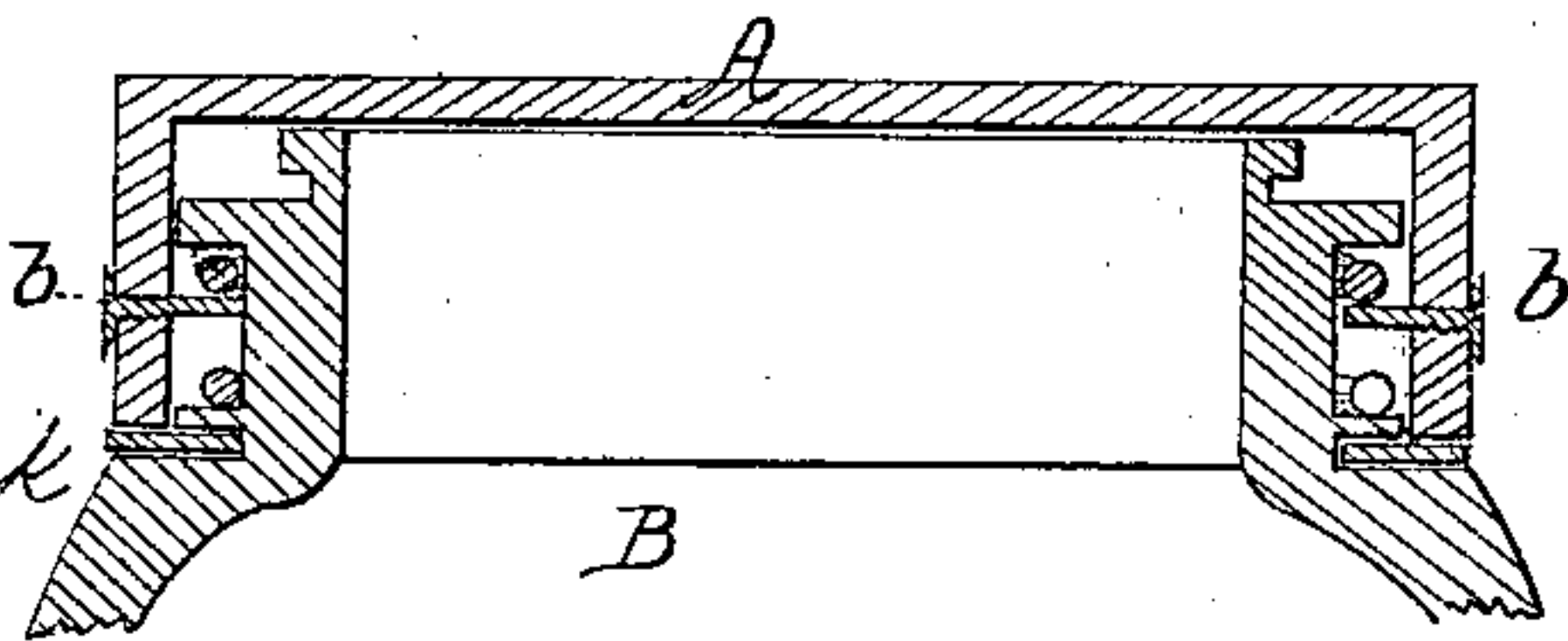


Fig. 3



Witnesses

Wm. L. Shattuck

Geo. S. Selden

Inventor:

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United States Patent Office.

ROBERT McCULLY, OF PHILADELPHIA, PENNSYLVANIA.

Letters Patent No. 102,024, dated April 19, 1870; antedated April 2, 1870.

IMPROVEMENT IN FRUIT-JARS.

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

I, ROBERT McCULLY, of the city of Philadelphia, and State of Pennsylvania, have invented a new and improved Air-tight Fruit-Jar, of which the following is a full and exact description, reference being had to the accompanying drawing, sheet No. 4, making a part of this specification.

One great objection to most of the fruit-jars now in use arises from the character of the fastenings employed to hold the cap or cover in its position on the jar, these fastenings being rigid and unyielding, making no allowance whatever for changes within, and, besides, are inconvenient in use, requiring to be fastened whilst hot, whereas my jar obviates both of these objections, and is as cheaply constructed.

In the accompanying drawings—

Figure 1 represents a perspective view of the top part of the jar, with the cap in position.

Figure 2 represents a perspective view of the top of the jar, with the cap or cover removed, exposing the wire spring by which the cap is held in position.

Figure 3 is a vertical section of the cap or cover and the top part of the jar.

Figures 4 and 5 are modifications of figs. 1 and 2.

A represents the cap or cover, made of metal or other suitable material.

B, a portion of the top part of the jar.

d is a shoulder around the neck of the jar, with a groove in the neck to receive and hold the rubber jacket.

g is a bead around the outside of the shoulder *d*, with breaks *c* through which the lugs *b* on the inside of the cap will pass when the cap is put in position.

a is a rabbet or groove (shallow and of suitable width) around the outside of the neck of the jar, just below the edge of the mouth or bead *g*.

f f are springs, one end of each being fastened or inserted into an indentation in the upper edge of the groove *a*, just to the left of the break *c*, whilst the other end of the wire is permitted to play in an indented slot in the opposite side of the neck of the jar, at the lower edge of the groove *a*; or a lug, *h*, may be made instead of the slot on the lower edge of the groove *a*, nearly opposite the indentation, for the upper end of the wire, between which lug *h* and the lower edge of the groove *a* the wire spring can slide when the top is used.

e is a rubber gasket on which the cap *A*, when in position, will rest. It will be seen that the gasket can occupy different positions at the top or bottom of the neck.

The cap is constructed with lugs, *b*, on its inside, to correspond with the breaks *c c* in the bead *g*, so that, when the lugs pass through said breaks, the upper edges of the lugs will come just below the lower edges of the wire springs *f f*, and the inside of the top of the cap will rest on the rubber gasket, as in fig. 5, or the lower edge of the cap rest on the gasket, as in figs. 2 and 3. It will, therefore, be seen that the gasket can occupy either position.

The cap being placed on the jar with the lugs passing through the breaks in the bead, it is then turned to the left, which will bring the lugs under and in contact with the wire springs *f f*, so that, when the internal pressure on the inside of the cap, arising from heat in cooking, or by fermentation, is greater than the pressure exercised by the springs, the cap will be lifted up until the internal pressure is relieved, when the springs will return the cap to its former position.

It will thus be seen that the cap can be placed in position after the jar is filled with raw or partially cooked fruit, and at the same time it will permit the escape of heated air, and provide against bursting by fermentation, as also obviate the necessity of handling the covers when hot.

In fig. 5 the lug *h* is dispensed with, the spring wire being held in position in a somewhat different manner.

I do not confine myself to the particular form or number of springs described, but, having explained my invention,

What I claim as new, and desire to secure by Letters Patent of the United States, is—

A fruit or other jar, can, or vessel, having a spring around its neck or mouth for the cap or cover to engage with, in the manner substantially as shown and described, and for the purpose set forth.

ROBERT McCULLY.

Witnesses:

WM. L. SHATTUCK,
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