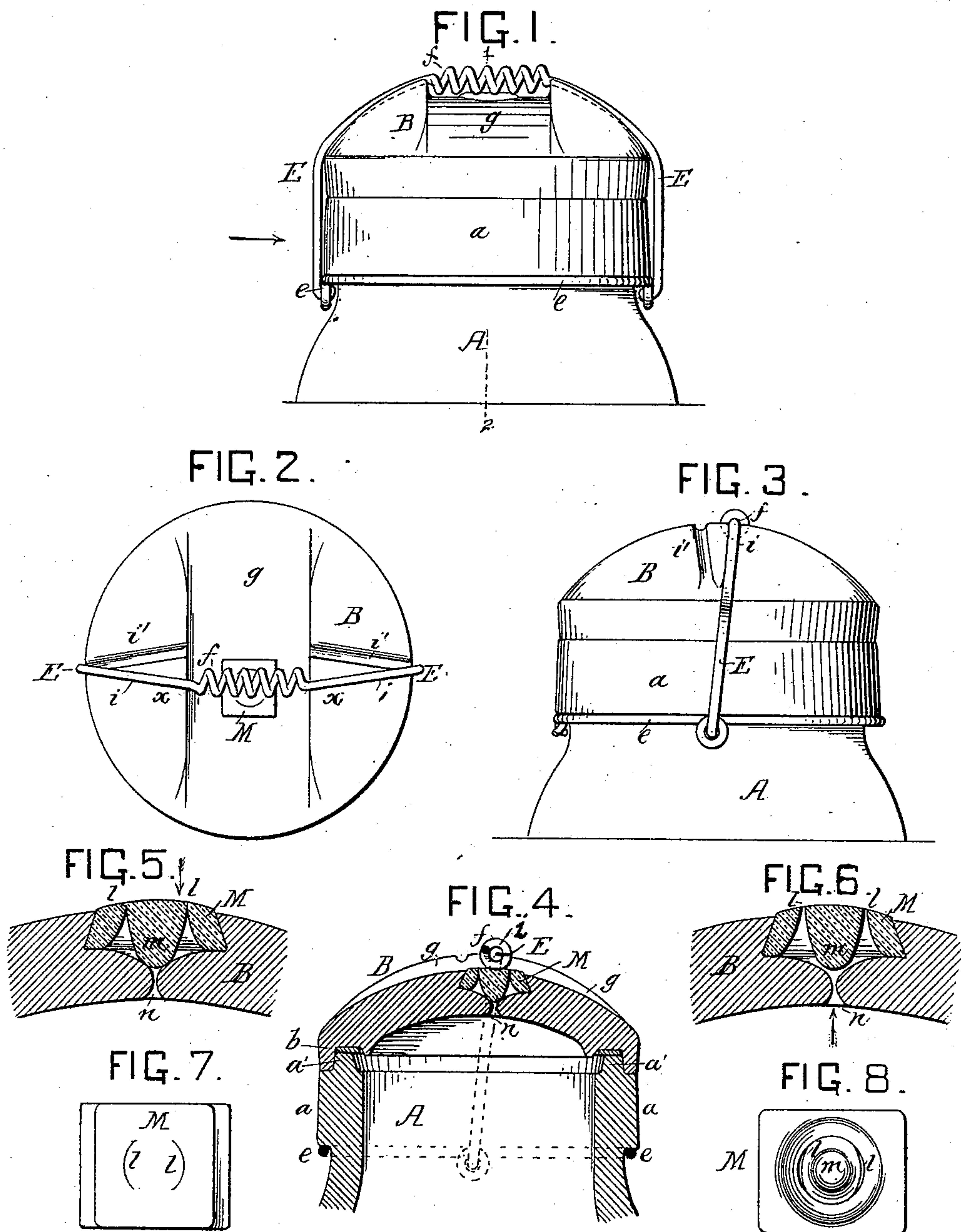


(No Model.)

C. F. FISLER.
FRUIT JAR FASTENING.

No. 326,416.

Patented Sept. 15, 1885.



Witnesses:
John E. Parker.
Hamilton O. Turner.

Inventor:
Charles F. Fislér
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UNITED STATES PATENT OFFICE.

CHARLES F. FISLER, OF CLAYTON, NEW JERSEY.

FRUIT-JAR FASTENING.

SPECIFICATION forming part of Letters Patent No. 326,416, dated September 15, 1885.

Application filed July 14, 1885. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. FISLER, a citizen of the United States, and a resident of Clayton, Gloucester county, New Jersey, have invented certain Improvements in Fruit-Jar Fastenings, of which the following is a specification.

My invention relates to improvements in closing devices for fruit-jars, more particularly of that class in which swinging bails are used, as fully described hereinafter.

In the accompanying drawings, Figure 1 is a side view of a jar provided with my improvements. Fig. 2 is a plan view. Fig. 3 is a side view looking in the direction of the arrow, Fig. 1. Fig. 4 is a transverse section on the line 1 2, Fig. 1. Figs. 5 and 6 are sectional views, drawn to an enlarged scale, showing the automatic valve. Fig. 7 is a plan view of the valve detached, and Fig. 8 is an inverted plan of the valve.

A is the body of the jar or other vessel, and B is the cap adapted thereto, a close joint being made by means of the annular rib *a'* on the upper rim of the jar, fitting a corresponding groove or seat, *b*, in the cap, the bottom of which groove or seat is provided with a suitable gasket, as shown in Fig. 4. The neck of the jar is provided with an annular shoulder, *a*, and below this shoulder is fitted the ring *e*, to which is hinged the bail E, adapted to be passed over the cap to hold it down to its seat when the cap has been placed in position. To make this bail a yielding spring-bail, I coil the wire of which it is formed about the center thereof, at *f*, so that when the bail is pressed up over the cap the coil at *f* will yield or spring and allow the bail to pass up over the rounded or curved top of the cap, as illustrated in Fig. 3. A groove, *g*, is formed across the surface of the cap, to allow for the passage of the spiral coil *f*, the portions *x* only of the bail bearing on the cap, and in the cap are formed grooves or channels *i i'*, converged toward the outer edge of the cap, for the reception of the portions *x x* of the bail.

The bail F is pivoted to the ring *e* a little to one side of a center line drawn through the jar, Fig. 3, and, as will be seen, the grooves *i i'* are formed in the cap B on each side of the center line. By letting the bail rest in the groove *i*, on the opposite side of the center

line from that of its pivoting point, it will hold the cap securely in place.

The groove *i'* may be used for the same purpose as the groove *i*, should the cap be turned around.

In some cases it is desirable to have a vent-hole in the cap of the jar to allow the steam of the cooking fruit to escape, while preventing the access of water or air to the fruit. I provide a check-valve, M, made of rubber, in the form shown in Figs. 5, 7, and 8, which valve is adapted to an undercut recess in the top of the cap or, if convenient, in the neck of the body of the jar. A small passage, *n*, connects this recess with the interior of the jar. This passage is normally closed by the plug *m* of the valve M. This valve is provided with two vent-slits, *l l*, closed by the atmospheric pressure on the yielding rubber. When cooking, however, the internal pressure of the steam is too great. It forces the plug *m* up, and thereby at the same time opens the vent-slits *l l* (see Fig. 6) and allows the steam to escape. The slits close again as soon as the steam has escaped.

I have placed the valve in the present instance on one side of the center of the cap, so that the bail E will also bear on it when in the groove *i*, and prevent any possible leakage of the valve. When the fruit is boiling, the bail may be transferred to the groove *i'*.

I claim as my invention—

1. A fruit-jar cap having a vent-hole, a valve, M, having a plug, *m*, fitting over the vent-hole and provided with openings *l l*, substantially as set forth.

2. The combination of a fruit-jar with a cap and a pivoted bail, having a central spring-section, *f*, as set forth.

3. The combination of a fruit-jar and a pivoted bail having a central spring-section, with a cap having a groove, *g*, as set forth.

4. The combination of a fruit-jar and a cap having a vent-hole and a valve to close the same with a pivoted bail adapted to bear on the valve, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHAS. F. FISLER.

Witnesses:

HUBERT HOWSON,
HARRY SMITH.