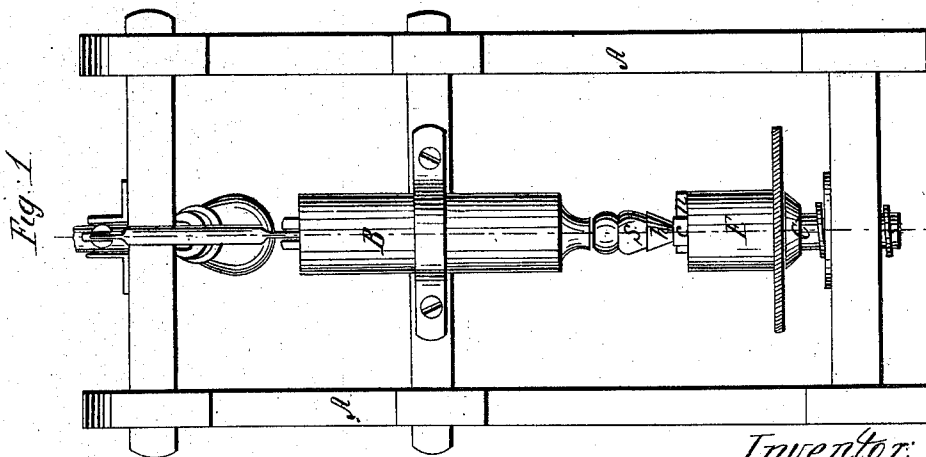


J. H. Ellis.

Hermetic Sealing.

No. 104,438.

Patented Jan. 21, 1870.



*Witnesses,
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United States Patent Office.

JOHN H. ELLIS, OF PEORIA, ILLINOIS.

Letters Patent No. 104,438, dated June 21, 1870; antedated June 11, 1870.

IMPROVEMENT IN MACHINES FOR CANNING FRUIT.

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

To all whom it may concern:

Be it known that I, JOHN H. ELLIS, of Peoria, in the county of Peoria and State of Illinois, have invented a new and valuable Improvement in Canning and Preserving Fruit; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1, of the drawing, is a plan view of my invention.

Figure 2 is a vertical section of the same.

My invention relates to means for preserving fruit; and

It consists, mainly, in the construction and novel arrangement of means by which the atmosphere is pumped from a fruit-can, and the can thoroughly and expeditiously sealed.

The letter A, of the drawing, represents a frame, upon which I arrange the air-pump B, in the manner shown.

The letter C represents a rotating table, which is raised or lowered by means of its screw, D, working in a suitable thread set in the lower cross-bar of frame A.

The letter E represents a fruit-can, constructed in the ordinary manner, except that the top has a small opening at the point *a*.

Immediately above the opening *a*, I affix to the top of the can a staple, marked *c* on the drawing.

It consists of a metallic plate, bent in a quadrangu-

lar shape, with an opening in its top, over which is placed the funnel-shaped cup *h*.

The letter *n* represents a quadrangular block of India rubber, adapted to the interior of staple *c*, and having an opening through its center, corresponding in size to the opening in the top of the can above mentioned.

The letter *s*, of the drawing, represents an India-rubber tube, drawn over the lower end of the pump, as shown, and adapted to fit closely inside the cup *h*.

My device is operated as follows, namely:

The can is first filled with fruit, and the top attached, by solder or otherwise. I then place the can on the table C, and turn the table around until the cup *h* fits closely around the elastic tube *s*. The rubber block *n* is crowded into the staple *c* until its opening is brought directly over the opening in the can-top. The air in the can is then pumped out, after which the rubber block *n* is drawn outward, or forced inward a short distance, and the can is sealed thereby.

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

The apparatus herein described, for canning fruit, having frame A, pump B, table C, together with the block *n*, staple *c*, tube *s*, and cup *h*, when constructed and arranged substantially as specified.

In testimony that I claim the above, I have hereunto subscribed my name in the presence of two witnesses.

Witnesses:

N. E. WORTHINGTON,
GEO. PUTERBAUGH.

JOHN H. ELLIS.