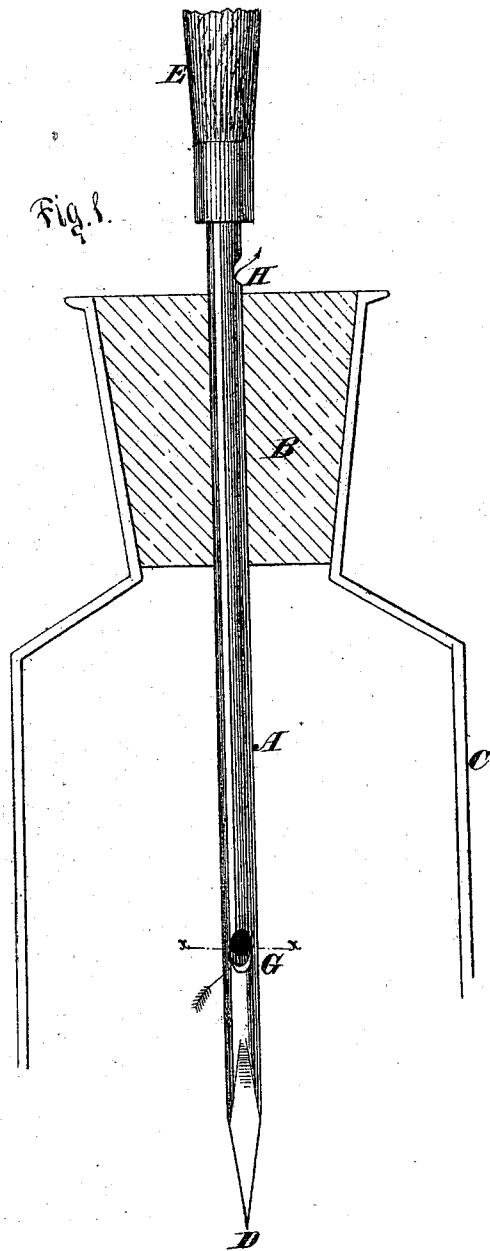


JOHN H. PARISH.

Instrument for Extracting Air from Fruit Jars.

No. 124,758.

Patented March 19, 1872.



Witnesses:
Gustave Dietrich
Geo. W. Mabee

Inventor:
J. H. Parrish
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Attorneys.

UNITED STATES PATENT OFFICE.

JOHN H. PARRISH, OF TALLADEGA, ALABAMA.

IMPROVEMENT IN INSTRUMENTS FOR EXTRACTING AIR FROM FRUIT-JARS.

Specification forming part of Letters Patent No. 124,758, dated March 19, 1872.

Specification describing a new and useful Improvement in Instrument for Extracting Air from Fruit-Jars, invented by JOHN H. PARRISH, of Talladega, in the county of Talladega and State of Alabama.

The invention relates to and consists in a peculiar construction of a perforator, whereby air is expelled from fruit-cans, and will first be fully described and then clearly pointed out in the claim.

In the accompanying drawing, Figure 1 represents a vertical section of a fruit-jar or bottle, showing the perforator inserted, but of larger size than is required for use. Fig. 2 is a cross-section of Fig. 1, taken on the line *x x*.

Similar letters of reference indicate corresponding parts.

A is the tubular perforator. B is the cork. C is the fruit-jar. From the point D, the perforator is a tube up to or near the handle E. G is an orifice through which the air enters, and H is an orifice through which the air escapes. The perforator is passed through the cork B, and the cork is inserted into the neck of the jar as seen in the drawing, but the orifice G may extend only a little way through the cork. When the jar, with the cork and perforator inserted, is placed in the water, and the contents are brought to the boiling tem-

perature, the steam generated will exclude the air which will be driven into the tube G, and escape therefrom through the orifice H. The cork should be soft and elastic and tightly driven in. The perforator should be so small and delicate that the orifice it has made through the cork will upon its withdrawal be instantly closed by the elasticity of the cork, so that air is excluded; but I render the top of the cork perfectly impervious by means of a cap of cement, gum, or any other material or substance.

With the use of this perforator, the fruit-preserving jar is cheaply made. The process or operation of "putting up" fruit or vegetables is rendered very simple, and the result is equaled only where the best and most perfect fruit-preserving vessels are used.

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

As an article of manufacture, the tubular perforator A, having a solid sharp point, D, and a tube above with side apertures G H, as and for the purpose described.

JOHN H. PARRISH.

Witnesses:

JOHN HENDERSON,
J. H. VANDIUM.