

J. B. WILSON.

Fruit Can.

No. 41,417.

Patented Jan. 26, 1864.

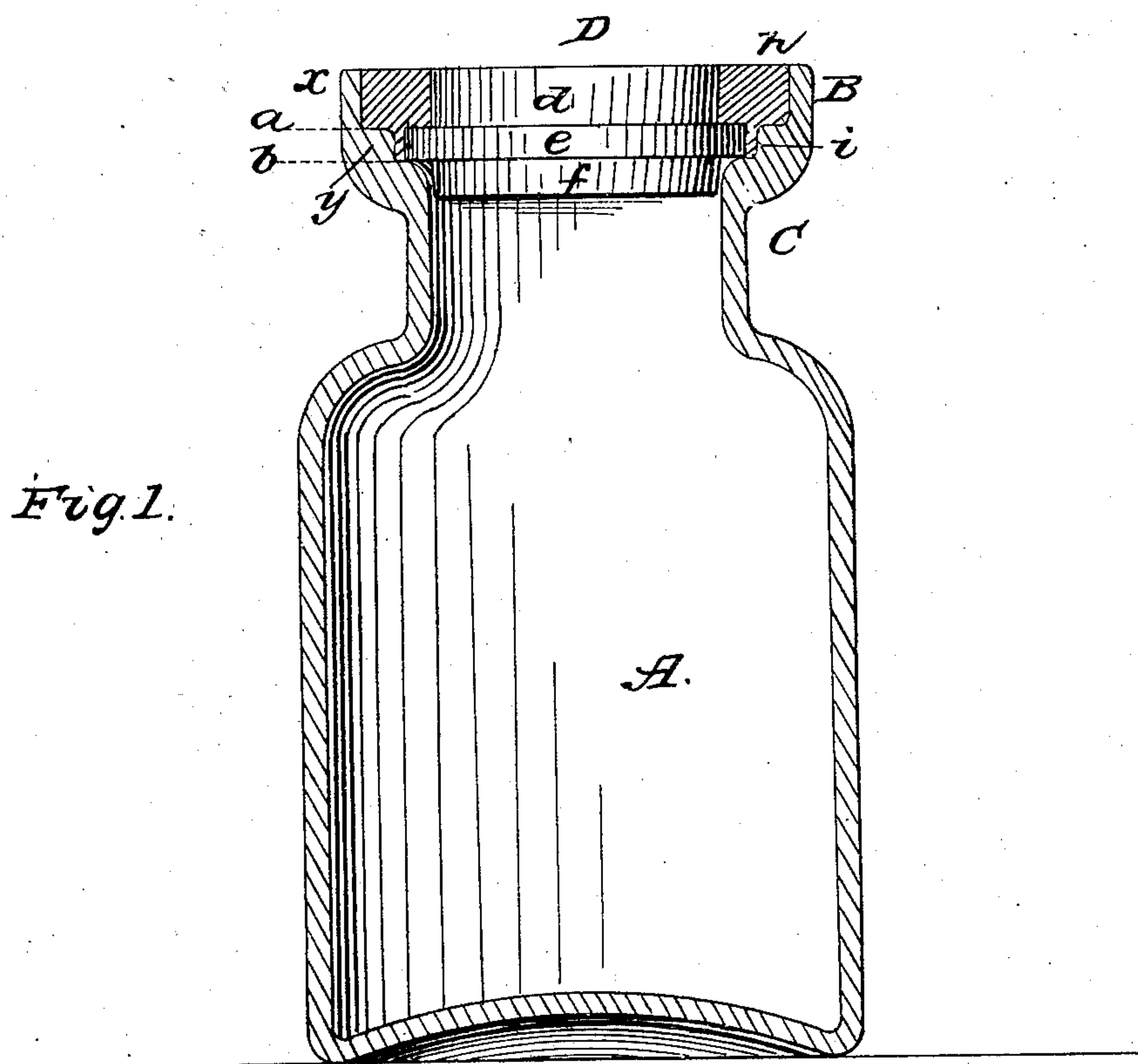
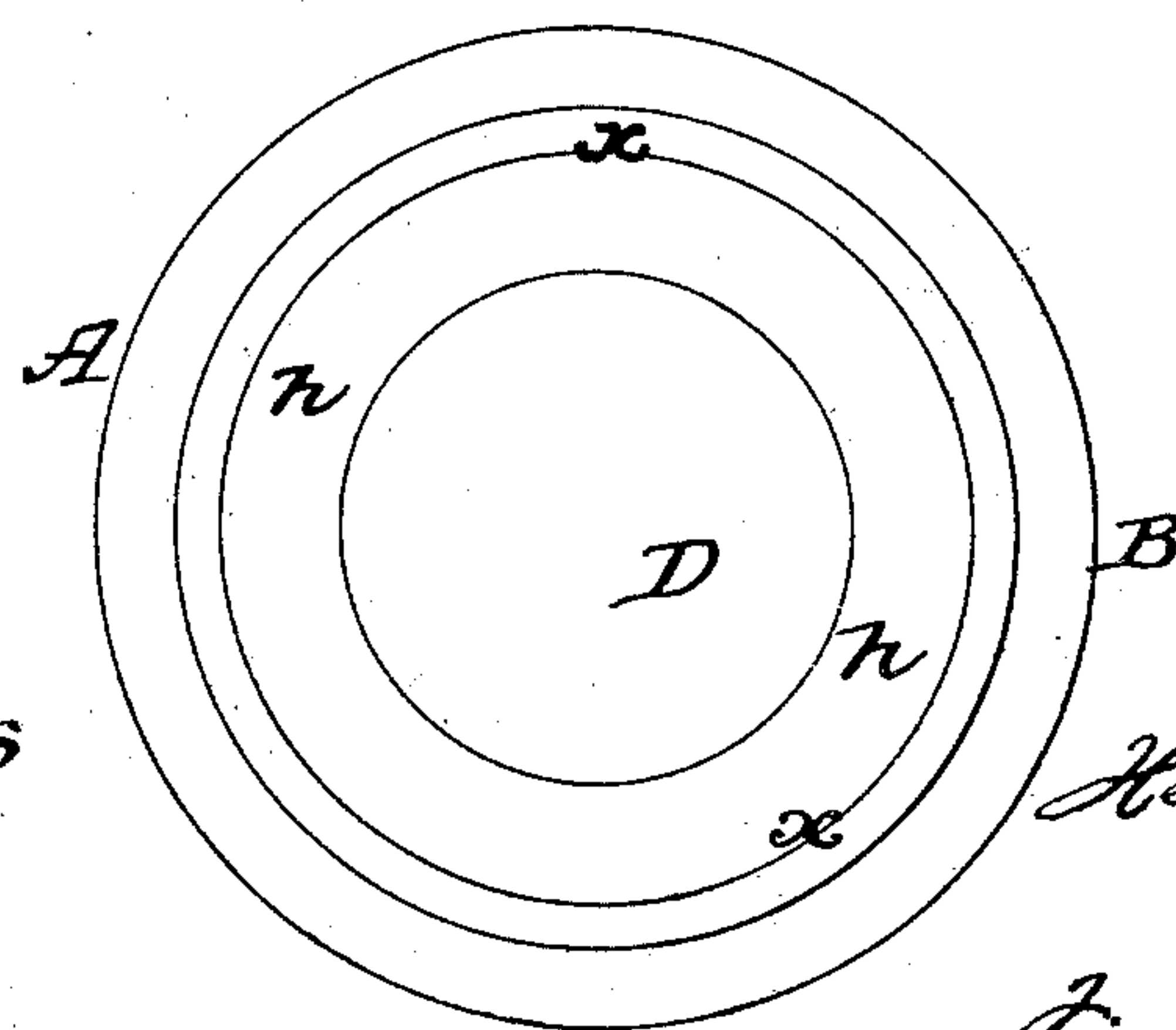


Fig. 2



Witnesses
W. Albert Steel
Chas. Howson

Inventor
Henry Howson
Atty for
J. B. Wilson

UNITED STATES PATENT OFFICE.

JOSEPH B. WILSON, OF FISLERVILLE, NEW JERSEY, ASSIGNOR TO DAVID W. MOORE, OF SAME PLACE.

IMPROVED FRUIT-CAN.

Specification forming part of Letters Patent No. 41,417, dated January 26, 1864.

To all whom it may concern:

Be it known that I, J. B. WILSON, of Fislerville, Gloucester county, New Jersey, have invented an Improvement in Preserving-Vessels; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists of a stopper of peculiar form, combined with the mouth of a vessel having two shoulders, the whole being arranged in the manner fully described hereinafter, so that two annular spaces may be formed between the mouth of the vessel and the stopper for the reception of sealing-wax, or other equivalent cement, by which the mouth of the vessel is hermetically sealed.

In order to enable others to make and use my invention, I will now proceed to describe the manner of carrying it into effect.

On reference to the accompanying drawings, which form a part of this specification, Figure 1 is a vertical section of a preserving-vessel with my improvement, and Fig. 2 a plan view.

A is the body of a glass or earthenware or metal jar, of which B is the mouth, and C the neck. By so arranging the interior of the mouth of the jar that the upper portion, *x*, of the said mouth shall be larger in diameter than the lower portion, *y*, the latter being of greater diameter than the interior of the neck, two shoulders, *a* and *b*, are formed in the mouth, as seen in Fig. 1.

The stopper D is made of glass, earthenware, or other suitable material, and may be said to consist of the three parts *d*, *e*, and *f*, the lower portion or projection, *f*, being of such a diameter as to fit freely within the neck of the vessel, the middle portion or flange, *e*, being somewhat less in diameter than the portion *y* of the neck, and resting on the shoulder *b* of the same, and the upper projection, *d*, which is of the same or about the same diameter as the lower portion, *f*, the upper surface of this projection being level or nearly level with the upper edge of the mouth.

When the stopper is placed in the mouth of the vessel, the projection *f* serves to guide it to its proper position. Two annular spaces are

thus formed between the stopper and interior of the mouth—namely, the space *h* between the portion *d* of the stopper and the portion *x* of the mouth, and the space *i* between the portion *e* of the stopper and the portion *y* of the mouth. The vessel is now ready to receive the melted sealing-wax or other equivalent cement, which is poured into the annular space *h*, and penetrates the smaller space *i*, but is prevented from gaining access to the interior of the vessel by the flange *e* of the stopper bearing on the shoulder *b* of the mouth.

I have found in practice that by the above-described form of stopper and mouth of the vessels by which the two annular spaces communicating with each other are formed the hermetical sealing of the vessel by the introduction of the cement can be most effectually accomplished, as this sealing occurs at two points: first, between the portions *e* of the stopper and portion *y* of the mouth, and, secondly, between the portion *x* of the stopper and the upper portion, *a*, of the mouth. Whatever defect there may be, therefore, in the sealing of the lower annular space *i*, must, if proper care is exercised, be remedied by the deposit of the cement in the space *h*. A perfectly-tight joint is thus made by the use of a small quantity of wax compared with that required when the mouth of the vessel is partly closed with a cork and then entirely covered over with a body of wax.

The stopper can be readily removed, when required, after the application of a hot iron to the mouth or stopper of the vessel or to the wax, or after holding the vessel, mouth downward, for a short time in warm water.

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

The stopper D, composed of the guiding portion *f*, flange *e*, and projection *d*, when combined with and arranged in respect to the mouth of a vessel having two shoulders, *a* and *b*, in the manner set forth.

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

JOSEPH B. WILSON.

Witnesses:

JOHN WHITE,
CHARLES HOWSON.