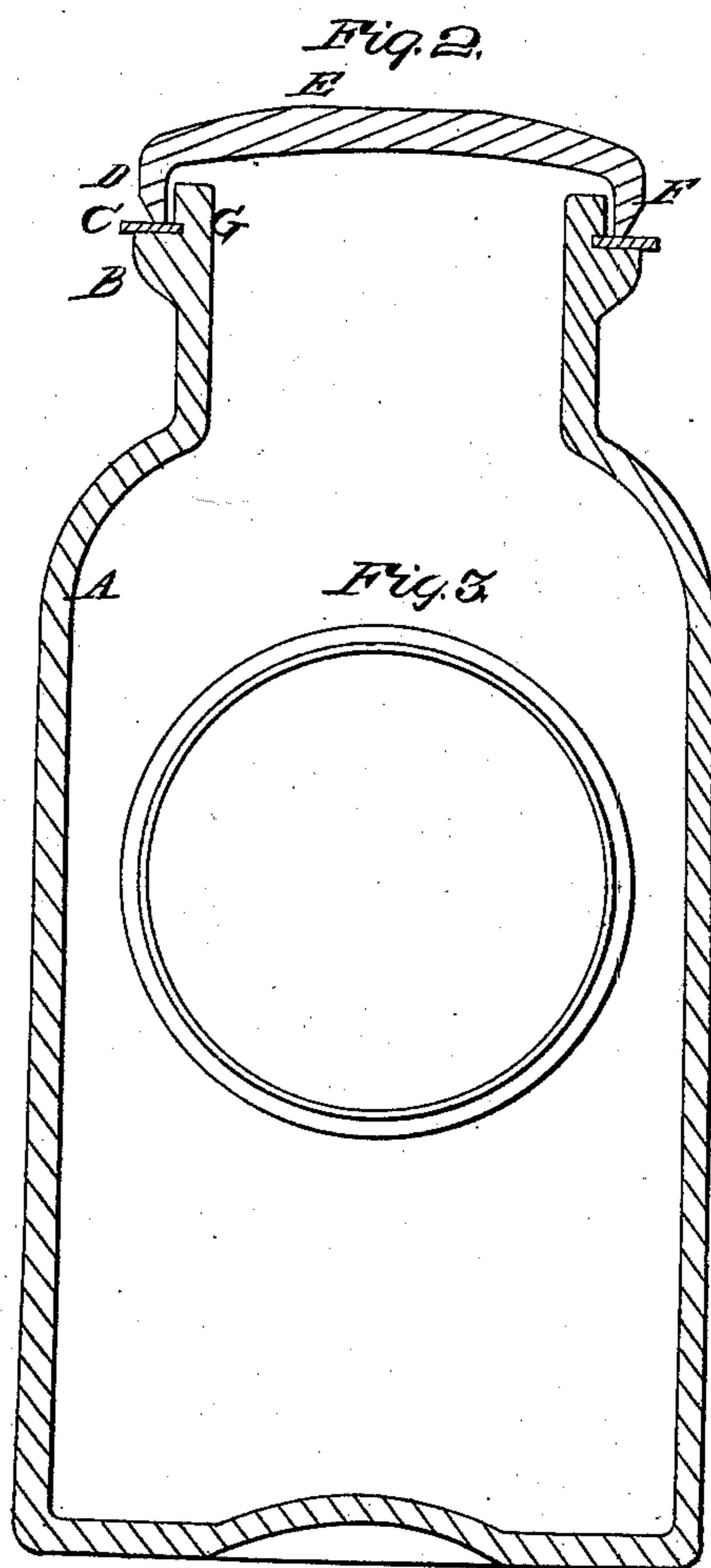
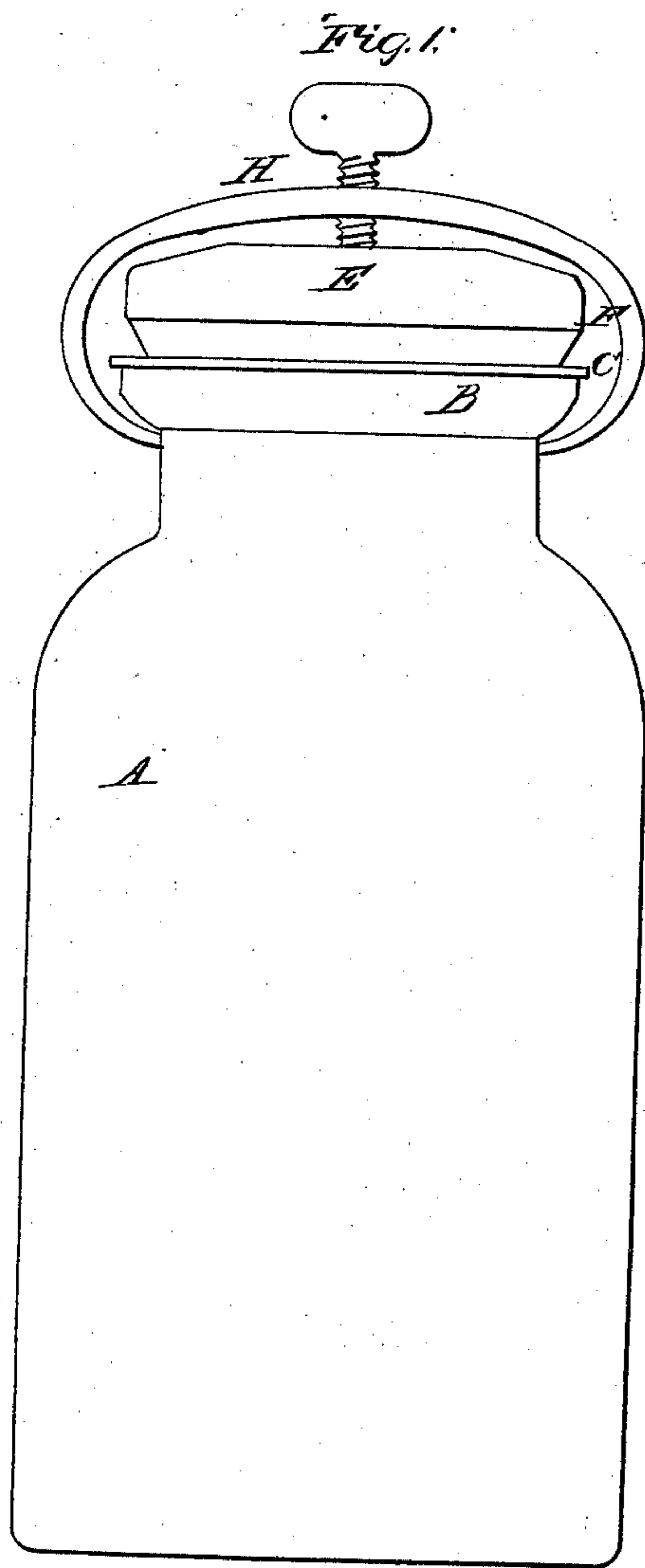


*T. G. Otterson,*  
*Fruit Jar*

*No 36,853*

*Patented Nov. 4, 1862.*



*Witnesses:*  
*John Goulding,*  
*J. E. Dennis*

*Inventor:*  
*Thos. G. Otterson*  
*By his Attorney*  
*J. Dennis Jr.*

# UNITED STATES PATENT OFFICE.

THOMAS G. OTTERSON, OF MILLVILLE, NEW JERSEY.

## IMPROVED FRUIT-JAR.

Specification forming part of Letters Patent No. 36,853, dated November 4, 1862.

*To all whom it may concern:*

Be it known that I, THOMAS G. OTTERSON, of Millville, in the county of Cumberland and State of New Jersey, have invented certain new and useful Improvements in Air-Tight Glass Jars for Preserving Fruit and Vegetables; and I do hereby declare that the same are described and represented in the following specifications and drawings.

To enable others skilled in the art to make and use my improvements, I will proceed to describe their construction and the mode of using them, referring to the drawings, in which the same letters indicate like parts in each of the figures.

Figure 1 is an elevation of the jar. Fig. 2 is a central section. Fig. 3 shows the under side of the cover.

The nature of my invention and improvements in air-tight jars consists in the combination and arrangement of devices hereinafter described.

In the accompanying drawings, A is a cylindrical glass jar, made in the form shown in the drawings, or in such other form as will answer the purpose. About three-eighths of an inch below the top I make a collar or flange, B, around the top of the jar. This flange forms a rabbet to receive the packing C, of india-rubber or other materials, upon which packing the edge D of the cover E rests or sits when the jar is closed.

The cover E is made in the form shown in the drawings, with its lower edge beveled from F, so that the edge D, which is pressed into the packing by the pressure of the air on the outside of the cover, is between an eighth

and a sixteenth of an inch wide, as shown in Fig. 3 of the drawings.

Making the edge of the cover thin is a very great improvement, as it takes far less pressure on the cover to press it into the gum and make it tight.

Just above the flange B, I make a groove, G, (see Fig. 2,) to receive the inner edge of the packing C, so that as the cover is pressed down it forces the packing into the groove and helps to make it tight. This groove is a very great and important improvement, as it allows a greater width of packing inside of the edge of the cover, thereby preventing the pressure on the cover from forcing the packing out from between the cover and the flange.

The screw-clamp H may be applied when the jar is filled and hot. After it has cooled the clamp may be removed and applied to another jar.

I believe I have described and represented my improvements in air-tight glass jars for preserving fruit and vegetables so as to enable any person skilled in the art to make and use them.

I will now state what I desire to secure by Letters Patent.

In combination with a glass jar having a rabbet around the top or mouth on the outside, a glass cover shutting over onto the rabbet or the packing on the rabbet, substantially as described.

THOMAS G. OTTERSON.

Witnesses:

JAMES SMITH,

RICHARD L. W. HAY.