

J. B. WILSON.
Fruit Jar Stopper.

No. 31,856.

Patented March 26, 1861.

Fig. 1.

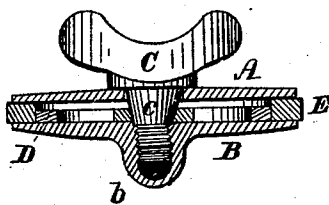
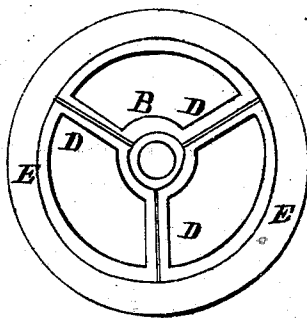


Fig. 2.



Witnesses.

L. W. Bendré
Oscarus Knight.

Inventor.

J. B. Wilson
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UNITED STATES PATENT OFFICE.

JOSEPH B. WILSON, OF WILLIAMSTOWN, NEW JERSEY, ASSIGNOR TO JOHN F. BODINE, OF SAME PLACE.

IMPROVEMENT IN STOPPERS FOR SEALING CANS AND JARS.

Specification forming part of Letters Patent No. 31,856, dated March 26, 1861.

To all whom it may concern:

Be it known that I, JOSEPH B. WILSON, of Williamstown, in the county of Camden and State of New Jersey, have invented a new and Improved Stopper for Preserve-Jars; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 represents an axial section of my stopper. Fig. 2 is a plan with the clamping-screw and the upper disk removed.

Similar letters of reference indicate corresponding parts in both figures.

The subject of my said invention is a stopper consisting of an elastic ring clamped between disks, and expanded by metallic segments within it, which are forced outward by the conical neck of the clamping-screw, as will be hereinafter explained.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation with reference to the drawings.

A and B are respectively an upper and lower metallic disk, the former of which is perforated in the center, and the latter formed with a female screw, *b*, to receive a thumb-screw, C, the neck *c* of which tapers downward, as shown, for the object hereinafter explained.

D represents a series of metallic segments,

which may be of any number desired, forming, collectively, a complete circle somewhat less in diameter than the disks A B, and provided in the center with cavities to accommodate the screw C.

E is a ring of gum-elastic or analogous material surrounding the segments D, and extending outward somewhat beyond the periphery of the disks A and B.

The operation is as follows: The parts being connected, as seen in Fig. 1, the stopper is inserted in the mouth of the jar or bottle which it is desired to close, and the screw being rotated its conical neck *c* forces the segments D outward, thereby expanding the ring E. The compression of the ring between the disks acts to hold it in proper position, and to confine its expansion to a radial direction as well as to increase the expanding action.

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

The combination of the two clamping-disks A B, expanding-segments D, and elastic ring E, constructed, arranged, and operating together in the manner and for the purpose set forth.

JOSEPH B. WILSON.

Witnesses:

SETH HILLMAN,
J. ALFRED BODINE.