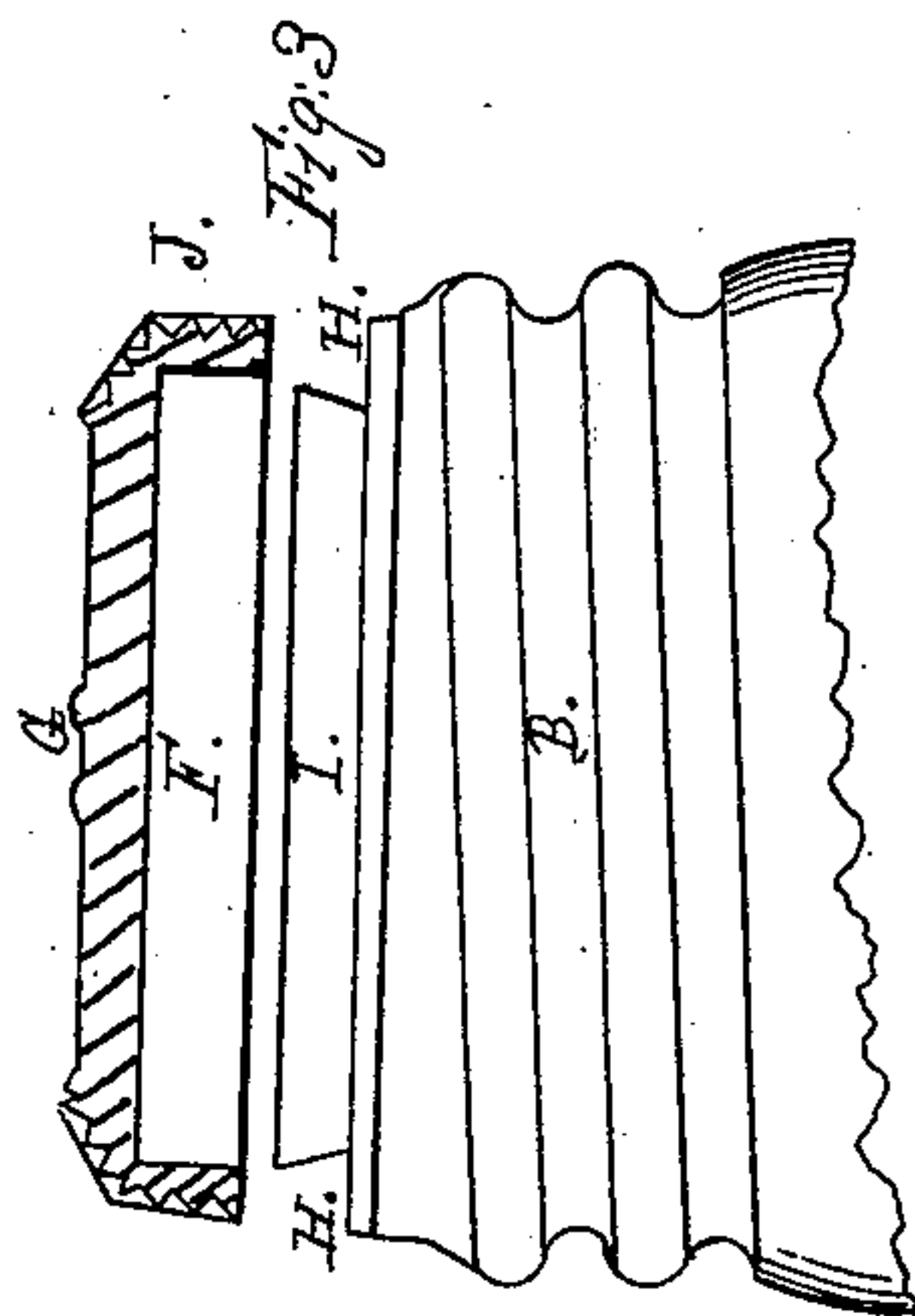
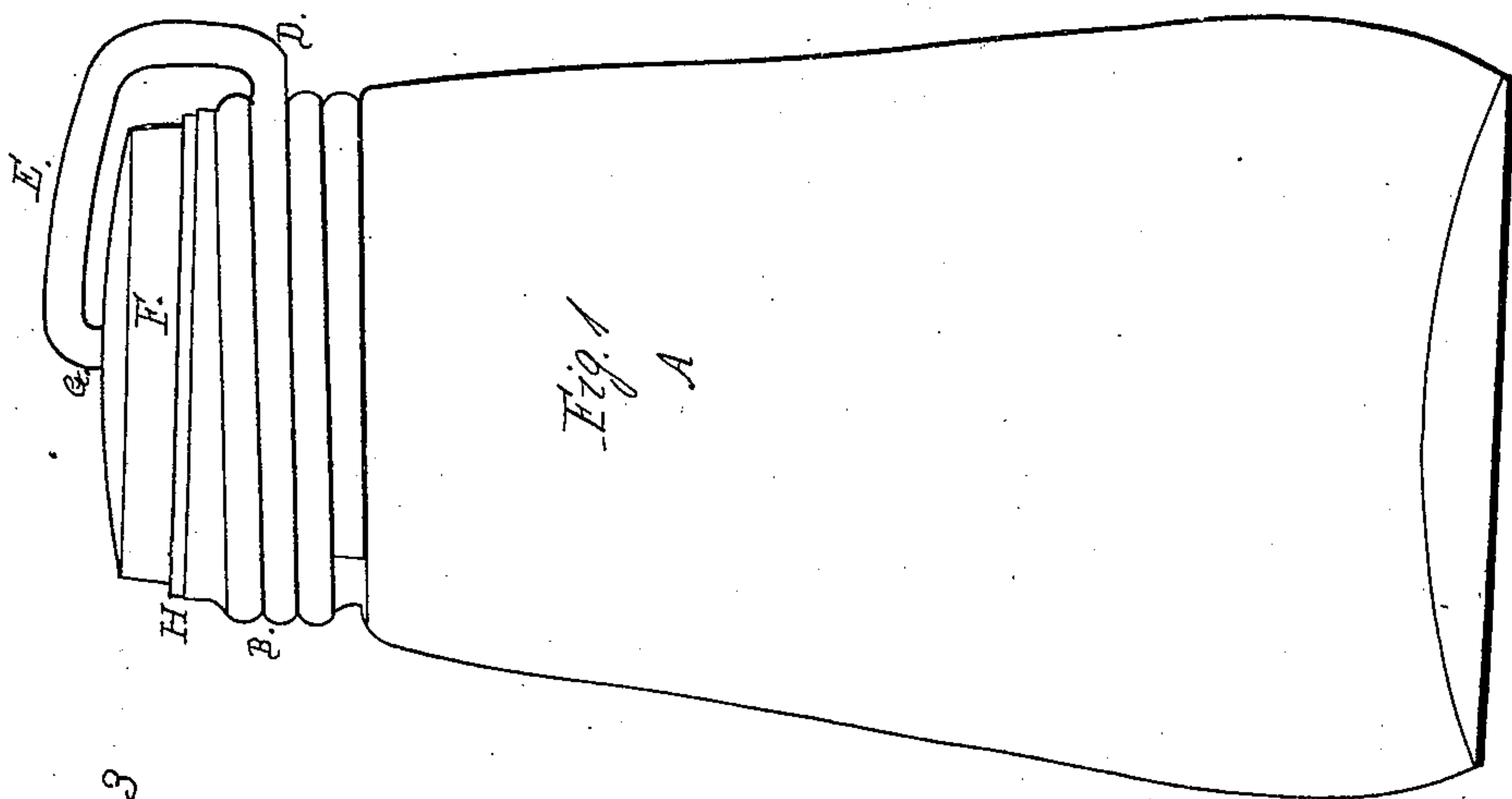
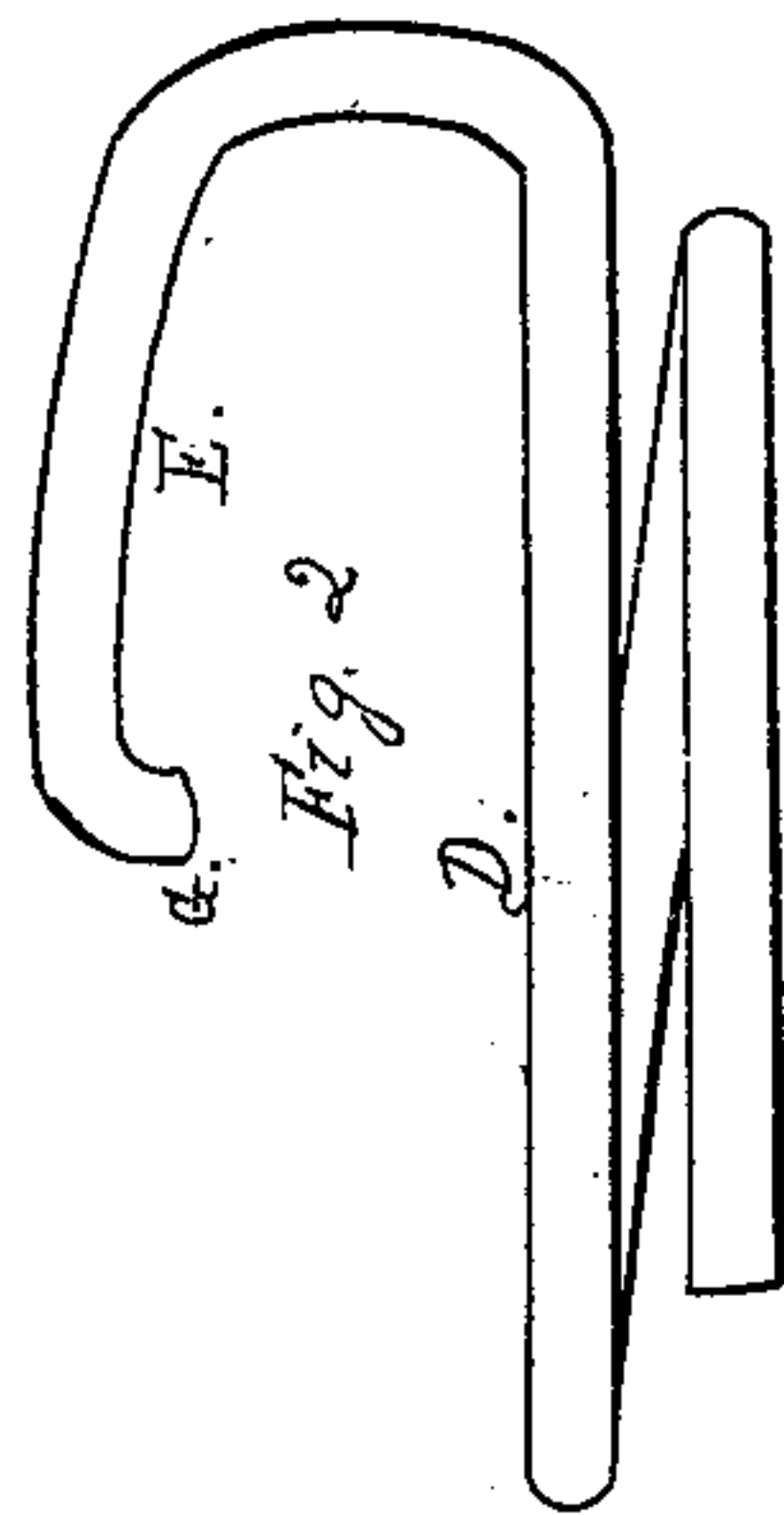


W. L. IMLAY.  
CLOSING FRUIT JARS.

No. 75,275.

Patented Mar. 10, 1868.



Witnesses:  
Chas. Imlay  
W. Imlay

Inventor:  
W. L. Imlay  
John H. H. H.  
Attorney & Co. Office  
Justice of the Peace

# United States Patent Office.

WILLIAM L. IMLAY, OF PHILADELPHIA, PENNSYLVANIA.

*Letters Patent No. 75,275, dated March 10, 1868.*

## IMPROVEMENT IN CLOSING FRUIT-JARS.

*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, WILLIAM L. IMLAY, of Philadelphia, Pennsylvania, have invented an Improved Fruit-Jar; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and the letters thereon.

Figure 1 is a view of my jar with my fastening.

Figure 2 is a view of my clasp removed from the jar; and

Figure 3 is a view of my improved seat or shoulder for the rubber gasket or ring.

My objects are to hold the cover securely by a simple and effective device, easily put on and taken off of the jar, and which makes a constant and an elastic pressure on the middle or centre of the cover, and to make a secure rubber closure between the cover and jar.

This I accomplish by making a somewhat deep and large screw-thread cavity about the neck of the jar, fitted to receive and hold a spiral wire coil. And I make such a coil, and also bend the wire at its top or upper end over the coil to its centre, so shaping it that its end adapts itself to and makes pressure on the centre of the cover of the jar. The seat of the rubber ring I make broad, by inclining the top of the jar inwards, so that where the ring lies the neck is more contracted than at the other parts of the neck and top of the jar, and for the following purposes: First, a better bearing of the cover; second, greater security to the closure of the jar; third, retaining better the ring in its place while the jar is being filled and sealed; and, fourth, the self-adhesion of the ring to its seat when sprung over the top of the jar.

This is seen in the drawings, where, in fig. 1, A is the jar, and B the screw-thread on its neck, with the coil of wire, D, in it; and E is the upper part of the wire coil, bent over the cover F, and making elastic-spring pressure at all times on the cover at G, the central part of a metallic cover.

In fig. 2 the lock or closing wire coil is seen removed from the jar. It is made of D, the coil, E, the upper part or arm of the coil, and G the point of bearing on the cover, which usually fits into a slight cup cavity in the cover.

In fig. 3 the same letters indicate the same parts, and H is the rubber gasket or ring in its seat, which is broad and blown on the outside of the jar above the screw-thread. The top of the jar I, is seen to incline outwards above the ring, so that it is larger than the seat of the ring, which gives a self-retaining power to the ring when sprung over into its seat; and at J is seen a section of a glass cover, showing its internal and external structure.

The use of the jar is by filling it by any ordinary or special method in use, when the cover is put on. The wire coil is then adjusted over the top of the jar, so that the lower end or part of the coil begins to slide into the screw-thread of the jar-neck. Then it is turned downwards in the screw-thread, until the top of the coil bears on the centre of the cover, and closes the jar; when a little further turning downwards of the coil gives an elastic or spring pressure on the cover, so that the coil and its bent part acts with a continued pressure at all times, rendering the fastening always secure.

The other uses of my invention are apparent to those skilled in the art to which it appertains.

### Claims.

1. I do not claim broadly a screw-threaded cavity in the neck of a fruit-jar; but I do claim making and adopting the neck of a fruit-jar so as to be fitted to and be used for a spiral wire coil, substantially as and for the purposes set forth.

2. I claim a wire coil, arranged and used about or around the neck of a fruit-jar, so as to make a fastening for fruit-jars, substantially as set forth.

3. The arrangement and construction of a wire coil about the neck of a fruit-jar, so as to make an elastic pressure on the cover, as described.

4. The broad-seated ring or gasket H, when retained in place by the bevelled or inclined top I, substantially as and for the purposes specified.

Witnesses:

CHAS. G. IMLAY,  
N. IMLAY.

WILLIAM L. IMLAY.