

(Model.)

C. WATTS.
JAR FASTENER.

No. 326,696.

Patented Sept. 22, 1885.

Fig. 1.

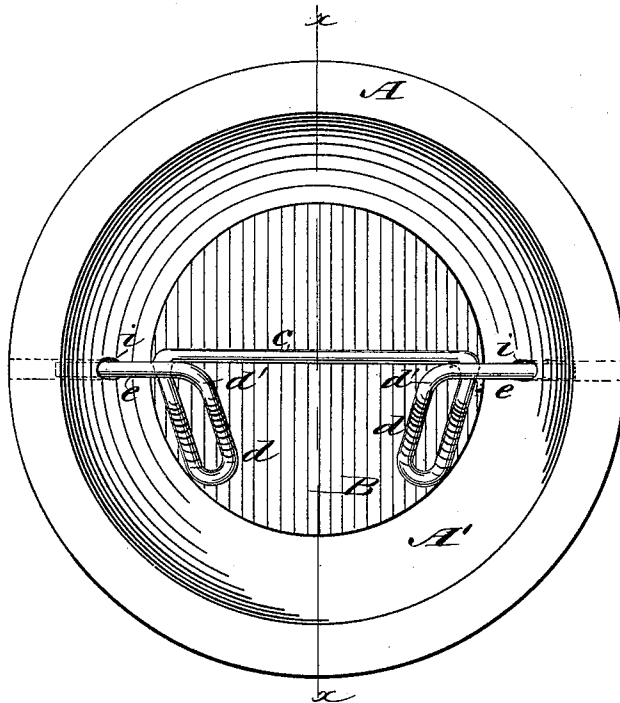
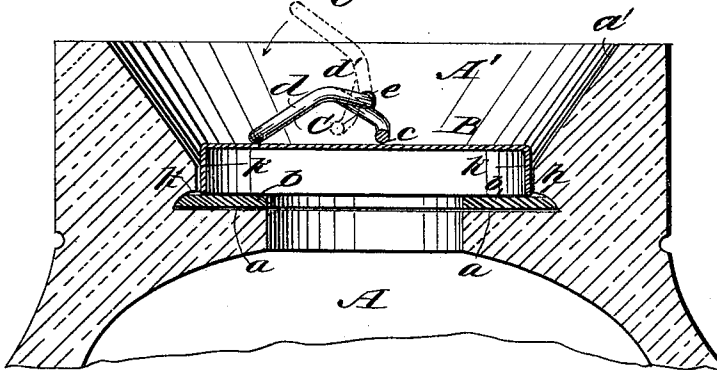


Fig. 2.



WITNESSES:

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JAR-FASTENER.

SPECIFICATION forming part of Letters Patent No. 326,696, dated September 22, 1885.

Application filed June 12, 1885. (Model.)

To all whom it may concern:

Be it known that I, CHARLES WATTS, of Crooksville, in the county of Perry and State of Ohio, have invented a new and Improved Jar-Fastener, of which the following is a full, clear, and exact description.

My invention relates to that class of devices used to hermetically seal jars, &c., in which perishable articles are to be preserved, and has for its object to provide a cheap and effective sealing attachment for such jars, and one more particularly applicable to earthenware jars.

The invention consists in the combination, with a jar provided with apertures in its neck above its cover-seat, of a peculiarly-bent-wire locking device, as will be hereinafter more particularly described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a plan view of the mouth of a jar with my improved fastening attachment applied thereto. Fig. 2 is a vertical sectional elevation of the same, taken on line *x x*, Fig. 1.

A indicates the upper part of a jar for holding and preserving fruit, &c., the neck A' of which jar is formed with an inwardly-projecting bead or flange, forming a shoulder, *a*, on which the cover B is seated and supported. The inner side of the rim *a'* of the neck A' is flared outwardly, as shown, and just below the inner end of this incline, extending from the shoulder *a*, an annular recess, *h*, is formed to receive the outer edge of the rubber or other washer, *b*, that is placed beneath the cover on the shoulder *a*. Apertures *i* are made in the rim *a'* a short distance above the recess *h*, for a purpose which will be hereinafter explained.

The cover B is formed with a flat top and a depending flange, *k*, and may be made of any suitable material.

The sealing or fastening device C is made from a single piece of steel wire bent upon itself in such a way as to form a cam adapted to be pivoted in the mouth of the jar to bear upon the cover B, and consists of a straight part, *c*, slightly shorter than the diameter of the cover, of loops *d d* at the ends of the part

c, formed by bending the wire upward, inward, and downward, and of pivots *ee*, formed by bending the ends of the wire outward from the loops about parallel with the part *c*. The inner limbs of the loops *d d* are made shorter than the outer ones, whereby the pivots *e* are not in the same horizontal plane as the part *c* when the loops are in a vertical position.

In order that the loops may not be in the way when the jars are packed, and to limit the movement of the device in locking the cover in place, the loops are bent at *d'*, as shown clearly in Fig. 2. The pivots *e* are passed into the apertures *i* in the rim of the jar, and the device is ready for use.

The operation of the fastener is as follows: After the jar has been filled and is ready for sealing, the cover B is placed upon the washer *b* beneath the portion *c* of the fastener, the bent ends of the loops *d* being held in a vertical position, as shown in dotted lines in Fig. 2, the fastener being then turned on its pivots *ee* in the direction of the arrow until the loops are in the position shown in full lines in Fig. 2. This movement will cause the part *e* to bear upon the cover B and press the flange *k* into the washer *b*, thereby sealing the jar.

This fastener, being made of steel wire, is very elastic, and exerts a continuous steady pressure upon the cover of the jar, and as when the ends of the loops *d* are brought to rest upon the cover the part *c* is carried past a vertical line passing through the pivots *e e* the fastener is held locked in place, and the cover will be securely fastened to the jar.

It will be understood that the pressure on the cover may be varied by changing the size of the wire employed for making the fastener, a heavier wire having less flexibility, and consequently acting with greater force.

The device may be made with one loop instead of two without departing from the spirit of my invention.

This fastener is more particularly designed for use with earthenware jars having earthenware covers, but is applicable to jars and covers of other materials.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—
1. A wire fastener wherein the wire is bent upwardly, inwardly, and downwardly from

bearing portion to form manipulating-loops, and is also bent outwardly across the base of the loops a short distance above the bearing portion to form pivots, substantially as described.

5 2. The combination, with a jar formed with apertures, as *i*, and its cover B, of a fastener wherein the wire is bent upwardly, inwardly, and downwardly from the bearing portion to

form manipulating-loops, and is also bent outwardly across the base of the loops a short distance above the bearing portion to form pivots that rest within the apertures *i i*, substantially as described.

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Witnesses:

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