

No. 797,711.

PATENTED AUG. 22, 1905.

E. ABRAMSON & E. O. BENNETT.

JAR FASTENER.

APPLICATION FILED MAR. 28, 1905.

Fig. 1.

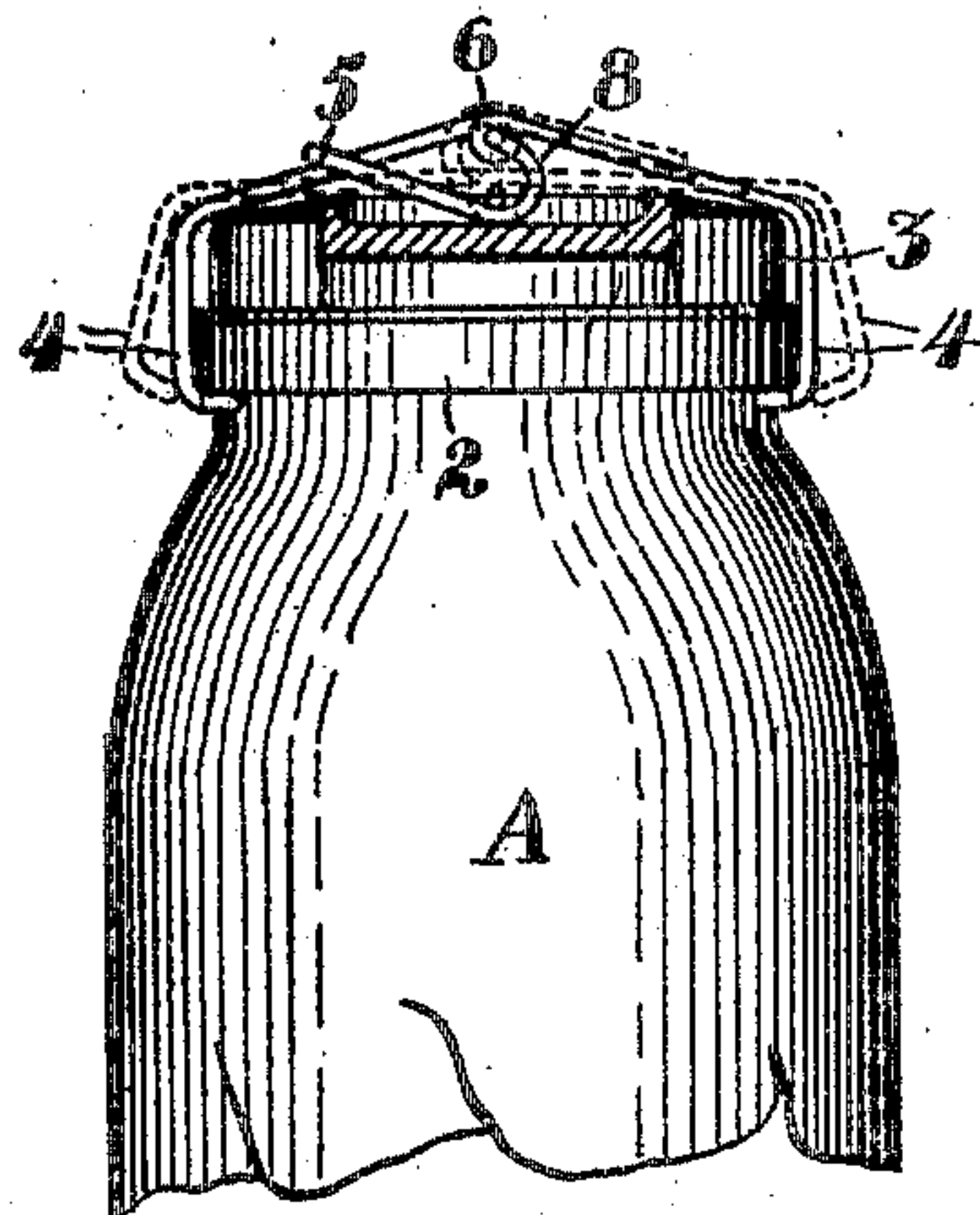
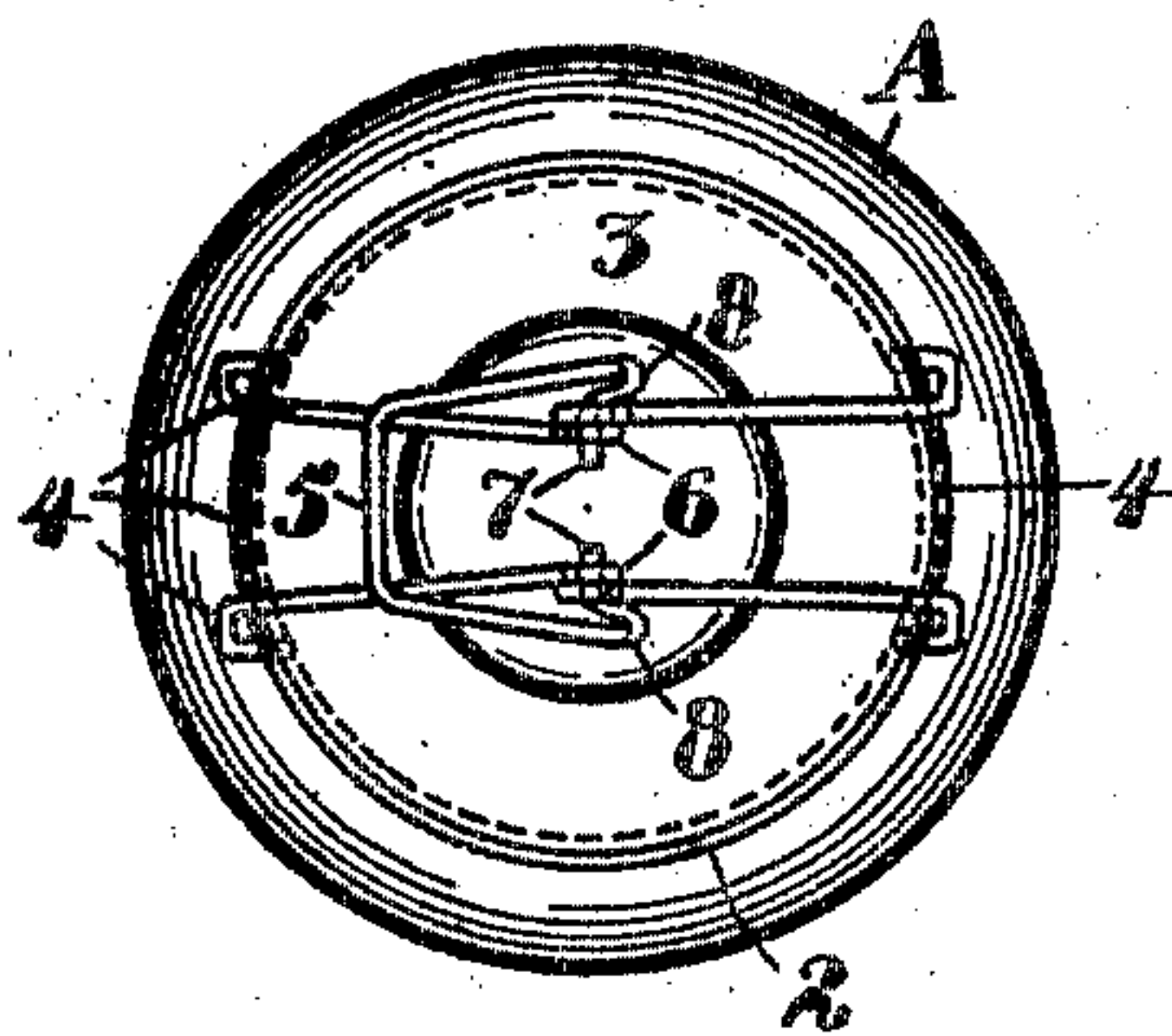


Fig. 2.



Witnesses:-

J. C. Fiedner
G. H. Thong

Inventors

Edward Abramson
Edward O. Bennett
By Geo. H. Thong. atty

UNITED STATES PATENT OFFICE.

EDWARD ABRAMSON AND EDWARD O. BENNETT, OF SAN FRANCISCO, CALIFORNIA; SAID BENNETT ASSIGNOR TO SAID ABRAMSON.

JAR-FASTENER.

No. 797,711.

Specification of Letters Patent.

Patented Aug. 22, 1905.

Application filed March 28, 1905. Serial No. 252,494.

To all whom it may concern:

Be it known that we, EDWARD ABRAMSON and EDWARD O. BENNETT, citizens of the United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Jar-Fasteners, of which the following is a specification.

Our invention relates to an improved fastener for jar-closures. Its object is to provide a cheap and simple locking means for the covers of jars and the like, and especially fruit-jars, which can be quickly put on or taken off and which will effectually hold the cover on and prevent any leak.

The invention consists of the parts and the construction and combination of parts, as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 shows application of our fastener to a jar having a portion of its cover broken away, the dotted lines showing position of fastener when released. Fig. 2 is a plan view of the same.

A represents an ordinary jar having the outer peripheral flange 2 at the top and closed by an ordinary flat cap or cover 3.

The fastener comprises two gripper members 4 and an intermediate locking member 5, each made from a single piece of stiff wire. The gripper members are symmetrical, and the wire for each is bent centrally to form the inturned and horizontally-curved hook to engage beneath the ledge 2. The ends of the wire extend approximately parallel over the cover and terminate centrally thereof in the eyes 6, which engage the pintles 7, formed by the ends of the cam-lever 5. The wire for the latter is looped centrally to afford a finger-hold and is bent adjacent to each end to form two eccentric loops 8, eccentric relative to the laterally-projecting pintles 7, on which the grippers 4 pivot. The ends of the cam-lever are preferably turned in and the eyes on the ends of the grippers are preferably turned down, so that a smooth outside finish to the fastener is produced, especially when the fastener is locked on a cover, as shown in Fig. 1. Obviously the same mechanical effect would be produced by turning the ends of the cam-lever out and turning the eyes up.

The cam-loops 8 of the lever 5 are so curved and so disposed to one side of the pintles 7

that when the arm end of the lever is brought down to one side of the center of the cover and upon a gripper the loops bearing on the center of the cover as a fulcrum will lift up on the adjacent ends of the gripper and draw in on their outer hook ends, which are caught underneath the ledge 2, thus pressing down on the cover to close it tight over the jar, while the pintles 7 will be carried over the center of the cams to hold the fastener locked. The pintles being arranged in line, the eyes are readily trunnioned on the same center.

This fastener when in position on the jar practically has only three points of contact. Consequently the clamping force is applied in the form of a triangle whose apex is immediately over the center of the cover and the pressure is exerted downward on the center of the cover and inwardly on the sides of the jar. The grippers where they contact with the jar are preferably curved horizontally and concentrically with the jar, as shown, to prevent their slipping either sidewise or up over the ledge 2. The portions of the grippers which extend over the top of the cover preferably pass inside the cam-lever and engage the inturned pintle ends 7, for the reasons before stated and for the further reason that the ends of the grippers being sufficiently springy as to tend always to spread outward they may be quickly engaged with the locking-lever in assembling by merely pressing in on the ends of the gripper-wires so the eyes 6 may pass between the ends of the pintles. Releasing the pressure lets the eyes spring over the pintles.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. The combination with a jar and its cover of a fastener comprising two opposed hook members to engage opposite sides of the jar proximate to the cover, said members having their inner ends overlapping and each provided with eyes and a lever connected with said hook members and having inturned pintles to engage said eyes and an eccentric portion to simultaneously draw the hook members toward each other, and to lift up on the adjacent ends of the hook members to exercise a downward pressure centrally on the cover.

2. The combination with a jar and its closure of a fastener comprising two opposed

hook members each having its inner end provided with eyes, and an intermediate locking member having inwardly-extending pintles fitting said eyes said locking member having an eccentric part between the pintles and the outer end for bearing on the cover and operating to lift the hook members.

3. The combination with a jar and its closure of a fastener comprising two opposed hook members the inner ends of which overlap and are provided with alined eyes, and a lever intermediate of and connected with said hook members, said lever having inwardly-extending pintles to engage the eyes of both hook members said lever having eccentric parts bearing on the cover in opposition to the hook members to draw the latter together.

4. A jar-fastener comprising opposed hook members their inner ends overlapping and provided with eyes and an intermediate substantially U-shaped operating-lever having inwardly-extending pintles on which said hook members are pivoted, and a part carried by said lever projecting below said pivots to form a fulcrum when the fastener is in operative locked position on the jar.

5. A jar-fastener comprising opposed hook

members having their inner ends overlapping and provided with eyes, and an operating-lever having alined pintles to engage said eyes said lever having, also, a cam portion to one side of the pintles and adapted to fulcrum on the jar-cover.

6. A jar-fastener comprising two wire loops having inwardly-projecting and horizontally-curved hook members, each adapted to embrace a segment of a jar, said members having their inner ends overlapping and provided with eyes, and an operating-lever formed of a single piece of wire, having its ends forming inwardly-extending pintles adapted to enter the eyes of the hook members said lever having, also, at points between its pintles and the outer end, eccentric portions located to one side of the pintles and adapted to fulcrum on the cover of the jar.

In testimony whereof we have hereunto set our hands in presence of two subscribing witnesses.

EDWARD ABRAMSON.
EDWARD O. BENNETT.

Witnesses:

S. H. NOURSE,
JESSIE C. BRODIE.