June 19, 1923. 1,458,989

H. H. ORDUNG

LOCKING DEVICE FOR FRUIT CANS OR THE LIKE

Filed April 13, 1922

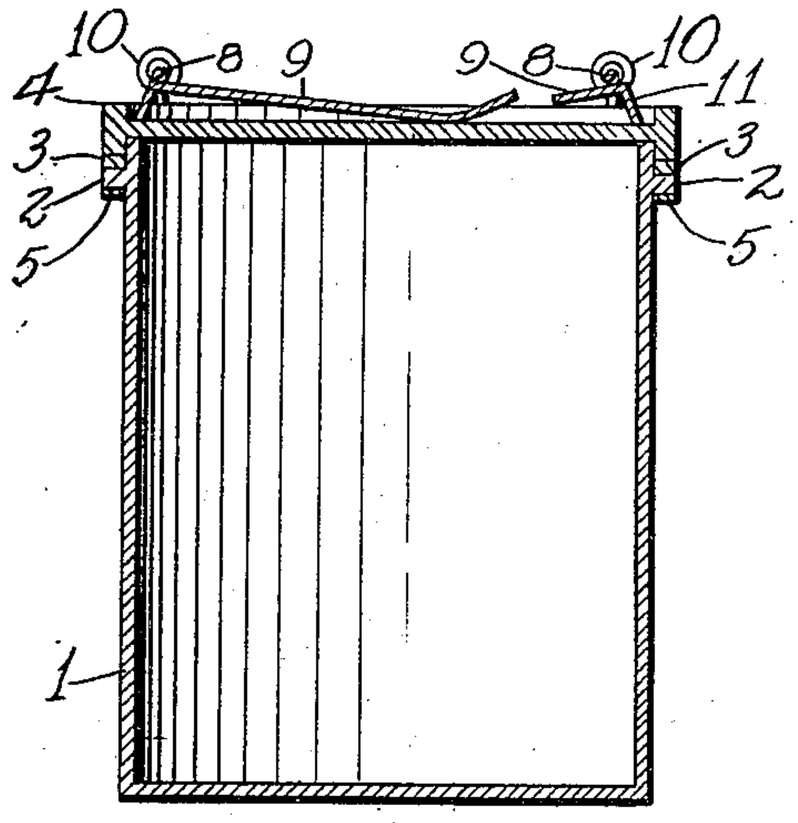

Fig. 2.

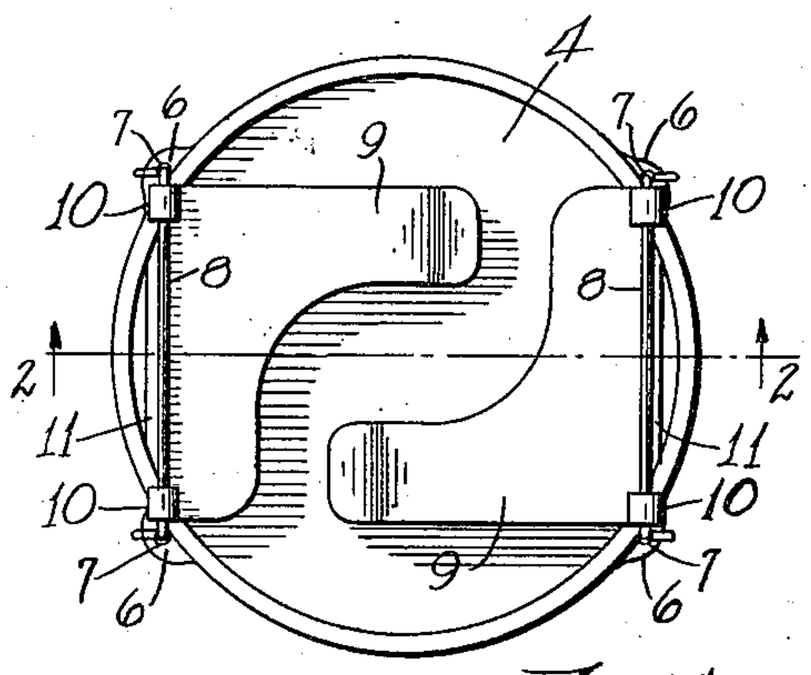

Fig. 1.

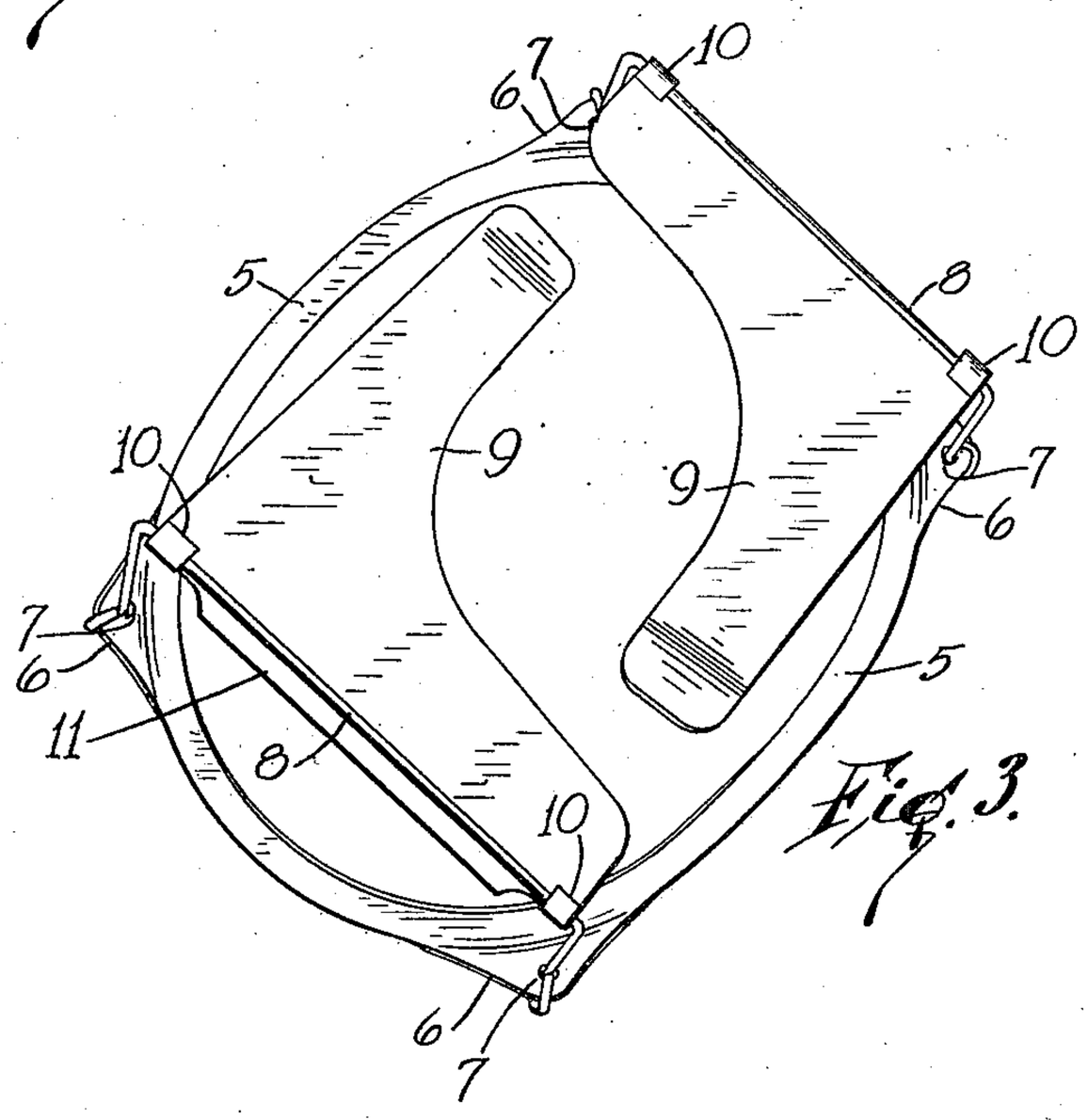

Fig. 3.

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UNITED STATES PATENT OFFICE.

HENRY H. ORDUNG, OF LAPORTE, INDIANA, ASSIGNOR OF ONE-THIRD TO JOSEPH WADE AND ONE-THIRD TO GIBSON T. SHARP, BOTH OF LAPORTE, INDIANA.

LOCKING DEVICE FOR FRUIT CANS OR THE LIKE.

Application filed April 13, 1922. Serial No. 552,144.

To all whom it may concern:

Be it known that I, HENRY H. ORDUNG, a citizen of the United States, and a resident of Laporte, in the county of Laporte and State of Indiana, have invented a new and useful Improvement in Locking Devices for Fruit Cans or the like, of which the following is a full, clear, and exact description.

My invention relates to improvements in locking devices for fruit cans or the like, and it consists in the combinations, constructions, and arrangements herein described and claimed.

An object of my invention is to provide a locking device for a fruit can, which is adapted to closely engage with the walls and top of the can when in locked position, whereby it will not interfere with the packing of the cans.

A further object of my invention is to provide a device of the type described which may be readily attached to cans of ordinary construction without altering the construction of the latter.

A further object of my invention is to provide a device of the character described which is adapted to more firmly lock the cover to a can when pressure is applied to the cover to remove the same from the can.

A further object of my invention is to provide a device of the character described which is simple in construction, consists of few parts, and which is not likely to easily get out of order.

Other objects and advantages will appear in the following specification, and the novel features of the invention will be particularly pointed out in the appended claims.

My invention is illustrated in the accompanying drawings, forming part of this application, in which—

Figure 1 is a plan view of the device as shown operatively applied to a can of ordinary construction,

Figure 2 is a section along the line 2—2 of Figure 1, and

Figure 3 is a perspective view of the device.

In carrying out my invention, I make use of a can 1 which has an annular outwardly extending rib 2 adjacent to the open end thereof. The flange 2 supports a gasket 3 which in turn carries a cover 4. The parts described are ordinary in construction and form no part of my invention, except in so far as they cooperate with the parts about to be described.

As clearly shown in Figures 1 and 3, the locking device comprises a metal ring 5 which has spring qualities. The ring 5 is made of various sizes so that the inner diameter thereof will closely engage with the outer wall of various sized containers 1. It will also be observed that the width of the ring 5 is preferably of the same width as the outwardly extending flange 2 so that the ring will not project beyond the flange when it is assembled to the container. The ring carries four integral lugs 6, these lugs being turned upwardly and being provided with openings 7 therein, through which the ends of the U-shaped wires 8 are adapted to extend. The wires 8, when swung into the position shown in Figure 3, are adapted to extend above the cover 4. The wires are also shaped so that they will readily clear the outer edge of the cover when they are swung from their vertical position shown in Figures 2 and 3, into a plane parallel with the plane of the ring 5.

Each of the wires 8 carries a clamping member 9, which is preferably of the shape shown in the drawings. It is obvious, however, that these clamps 9 may be of various other shapes if so desired. The clamps 9 are provided with bearings 10 which are merely lugs curved into a cylindrical shape. The wires 8 are adapted to pass through these lugs, whereby the clamps 9 are pivotally supported. The portion of the clamps 9 disposed adjacent to the wires 8 and between the lugs 10 is bent at 11 with respect to the body portion of the clamps and is adapted to engage with the top of the cover 4 when the clamps are in closed position. The portions 11 are so bent with respect to the clamps 9 that when the clamps are in the position shown in Figure 2, the portions 11 will be disposed off center with respect to the wires 8 and will tend to swing the clamps 9 against the top of the cover 4. It will therefore appear that any tendency to remove the cover 4 without first removing the clamps 9, will cause the portions 11 to swing so as to bring the clamps 9 more firmly against the cover.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood. When

the ring 5 is assembled on the container 1, the lugs 6 are adapted to project up along side of the flange 2. The wires 8 are so fashioned that they will just clear the top of the cover 4 and will therefore not project much above the cover. The clamps 9 are preferably made of metal having spring qualities so that they may be readily swung into closed position. The clamps are so constructed that they will have a great bearing surface and still will not interfere with each other. It will also be observed that they will act as an added protection to the cover, since they extend over a relatively great portion of the cover. As heretofore stated, the device is simple in construction, and is adapted to be applied to fruit cans, or the like, of ordinary construction. The device lies close to the can to which it is attached so that no portion thereof projects much beyond the outer surface of the can. In will therefore be apparent that the cans with these devices attached thereto may be packed in the ordinary manner, the devices hugging close to the cans and therefore not interfering with the packing of the cans.

I claim:

1. A device of the type described comprising a ring having lugs bent angularly with respect to the plane of the ring, U-shaped wires having their ends pivotally carried by said lugs, and clamping members pivotally secured to said wires, said members having angularly bent portions disposed adjacent to said wires.

2. A device of the type described comprising a ring having four integral lugs bent angularly with respect to the plane of said ring, each lug having an opening therein, two U-shaped wires disposed parallel with each other and having their ends formed into loops and being disposed in said openings, and a clamping member pivotally carried by each wire and having a portion bent angularly with respect to the body portion, said portion being disposed adjacent to said wire.

3. The combination with a can having an annular rib and a cover removably carried by said rib, of a ring adapted to closely engage with the outer surface of said can and to abut said rib, U-shaped wires carried by said ring and being adapted to be swung onto the top of said cover, and clamping members carried by said wires and being adapted to lock said cover to said cam.

4. The combination with a can having an annular rib and a cover removably carried by said rib, of a ring adapted to closely engage with the outer surface of said can and to abut said rib, lugs carried by said ring, U-shaped wires pivotally carried by said lugs and being adapted to be swung onto the top of said cover, and clamping members carried by said wires, each clamping member having an angular projection adapted to engage with said cover, said projections being disposed adjacent to said wires.

HENRY H. ORDUNG.