

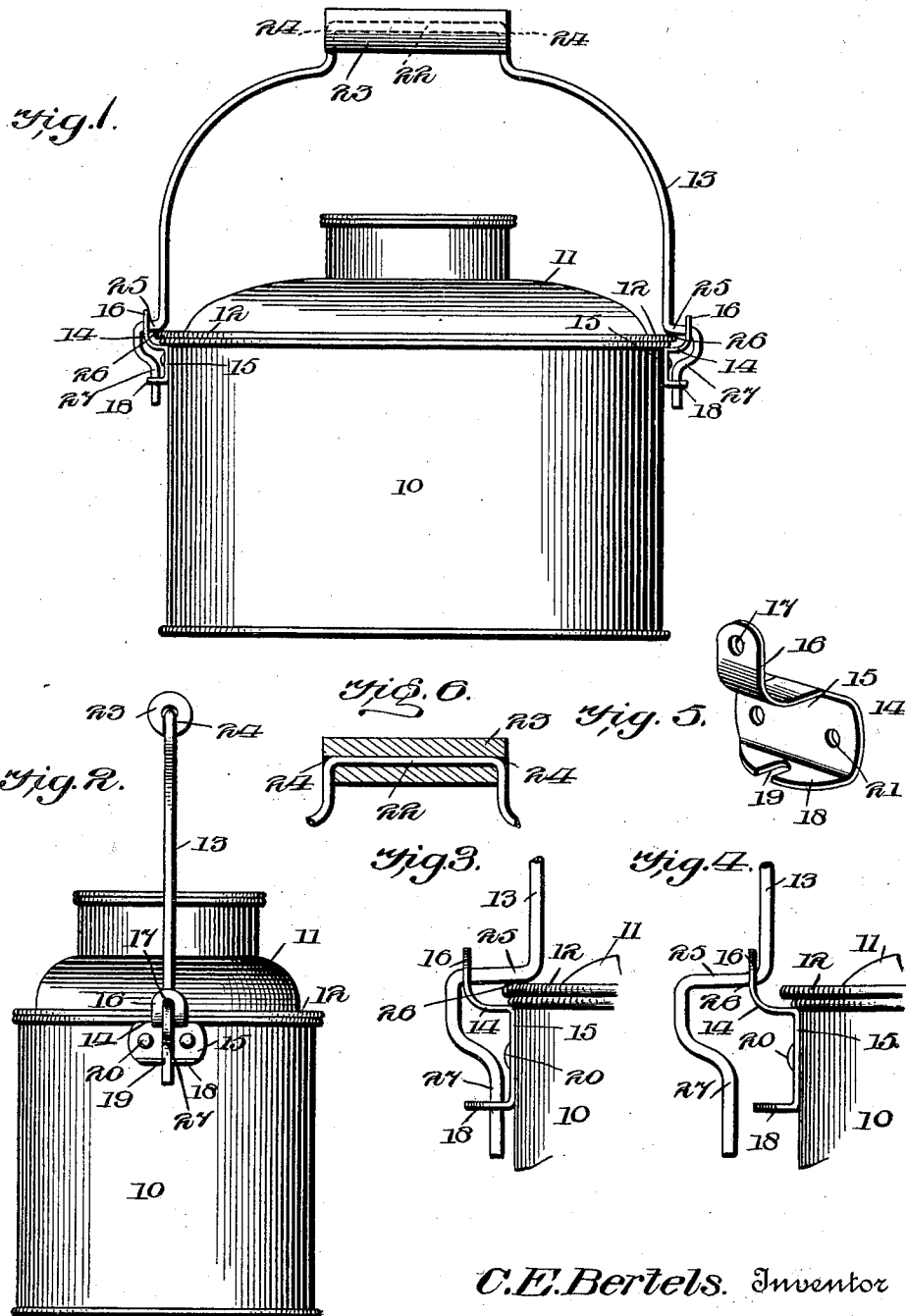
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Patented Nov. 19, 1901.

C. E. BERTELS.
PAIL OR BUCKET.

(Application filed Jan. 30, 1901.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES E. BERTELS, OF WILKESBARRE, PENNSYLVANIA.

PAIL OR BUCKET.

SPECIFICATION forming part of Letters Patent No. 686,841, dated November 19, 1901.

Application filed January 30, 1901. Serial No. 45,362. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. BERTELS, a citizen of the United States, residing at Wilkesbarre, in the county of Luzerne and State of Pennsylvania, have invented a new and useful Pail or Bucket, of which the following is a specification.

The present invention relates to buckets, pails, and similar receptacles, and more particularly to that class having a top closure and a pivoted bail.

The objects of the invention are to provide, first, exceedingly simple means for holding the handle, bail, and body of the receptacle against independent movement; secondly, novel means for holding the cover on the body while the bail is in elevated position, and, thirdly, to arrange the above-mentioned means so that they will operate simultaneously, whereby when the bail is unfastened the cover will also be unlocked, and likewise when the bail is fastened in its raised position the cover will be automatically locked in place.

To the accomplishment of these several objects the construction shown in the accompanying drawings and described in the following specification is preferred; but it will be understood that such construction is open to change and modification within the scope of the claims hereto appended.

In said drawings, Figure 1 is a side elevation of a lunch pail or bucket embodying the invention. Fig. 2 is an end elevation of the same. Fig. 3 is a side elevation, on an enlarged scale, of the bail-holding and cover-locking means when in operative position. Fig. 4 is a view similar to Fig. 3, but with said locking means in inoperative position. Fig. 5 is a detail perspective view of one of the bail-ears. Fig. 6 is a detail longitudinal sectional view through the hand-grip.

Similar numerals of reference designate corresponding parts in all the figures of the drawings.

In order to clearly illustrate the arrangement and application of the invention, an ordinary lunch pail or bucket is shown, of which the body is designated by the numeral 10 and the reservoir-cover by the numeral 11, said cover being provided with the usual outstanding stop-flange 12, that is arranged to rest upon

the top edge of said body. Associated with said pail is the bail 13, which is pivotally connected to opposite portions of the top edge of the body 10 by means of the ears 14. As shown in Fig. 5, these ears each comprise a flat body portion 15, having at its upper edge an outwardly-projecting upstanding lug 16, which is provided with a pivot-opening 17 and an outturned lip 18 at its lower end, the outer edge of said lip being in the form of a continuous curve and provided at an intermediate portion directly beneath the pivot-opening 17 with a notch 19. These ears are arranged to be secured to the body by any suitable means—for instance, rivets 20, that pass through suitable openings 21 in the body portion of said ears.

The bail 13 is preferably made of spring-wire and is provided at its central portion with an offset portion 22, in which is arranged a handle-grip 23. It will be observed that this grip is slightly longer than the offset portion and is provided in its ends with notches 24, in which the lateral ends of the offset portions fit, whereby the handle-grip is held against movement upon the bail. The ends of the bail are provided with lateral offset portions 25, forming pivots, which pass through the pivot-openings 17 of the ear, the inner portions of said pivots forming retaining-shoulders 26, that normally bear upon the stop-flange 12 of the cover. These pivots preferably incline downwardly from their inner ends and are arranged to have a sufficient longitudinal movement to permit of the disengagement of the shoulders from the cover-flange. Depending from the outer ends of the pivots 25 are locking-arm extensions 27, having inset portions that are arranged to engage on the notches 19 of the ears when the bail is in its raised position.

The operation of the device is substantially as follows: When the bail is raised to its elevated position, the arm extensions 27 will ride over the rounded ends of the lips 18 until they aline with the notches 19 of the same, whereupon the resiliency of the wire will cause said arms to seat themselves in said notches. The pivots 25 will therefore move inwardly through the openings 17, and the shoulders 26 will be disposed over the cover 11. It will therefore be seen that the bail

will be locked rigidly in its raised position and the cover will be fastened upon the body. Furthermore, by the above-described construction and arrangement of the handle-grip 5 no relative movement can take place at this point. The result is that when the grip is held sufficiently tight the entire pail can be prevented from swinging. When it is desired to lower the bail and release the cover, it is 10 only necessary to press downwardly upon the handle, whereupon the pivots because of their downward inclination will be forced outwardly, thus carrying the retaining-shoulders from above the cover-flange and the locking- 15 arms out of disengagement with the notches. The bail is then free to be lowered and the cover removed.

By the above construction it will be seen that exceedingly simple means are provided 20 for locking the bail in raised position and preventing the swinging of the bucket, and furthermore for retaining the top in place. A still further advantage resides in having these all arranged to operate simultaneously 25 and lock automatically when the bail is raised.

From the foregoing it is thought that the construction, operation, and many advantages of the herein-described invention will be apparent to those skilled in the art with- 30 out further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages 35 of the invention.

Having thus described the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a receptacle of the class described, the combination with a body and cover, said body 40 being provided with a pivot-eye, of a bail having a pivot slidably and rotatably mounted in the eye of the body, locking means carried by the bail and arranged to engage the cover 45 to hold the same in place upon the body, and coacting means carried by the body and bail to hold said bail against independent movement, said cover and bail holding means being simultaneously operated upon the sliding 50 movement of the pivot of the bail in the eye of the body.

2. In a receptacle of the class described, the combination with a body and a cover, of an ear secured to the body and having a pivot- 55 eye, a bail having a pivot engaging in said eye and longitudinally movable therein, the inner end of the pivot being arranged to engage over the edge of the cover, and means located upon the exterior of the ear and engaging the bail to hold the same against relative movement when the pivot is engaged over 60 the cover, said bail disengaging from the holding means when the pivot is moved longitudinally in the pivot-eye and out of engagement with the cover.

3. In a receptacle of the class described, the combination with the body and a cover, of an

ear secured to the body and having a pivot-eye, a bail having a pivot engaging in said eye and longitudinally movable therein, the 70 inner end of the pivot being arranged to engage over the edge of the cover, a pair of shoulders located upon the exterior of the ear, a portion of the bail being arranged to engage between said shoulders when the pivot 75 is located over the cover, said bail being adapted to disengage from the shoulders when the pivot is moved longitudinally in the pivot-eye and out of engagement with the cover.

4. In a receptacle of the class described, the combination with the body, of an ear secured to the body and having a pivot-eye, a resilient bail having a pivot engaging in said eye and longitudinally movable therein, a pair 85 of shoulders located upon the exterior of the ear, said bail being provided with means arranged to be urged into engagement between the shoulders of the ear to hold the bail and body against relative movement, and adapted to be disengaged when the pivot is 90 moved longitudinally in the pivot-eye.

5. In a receptacle of the class described, the combination with the body, of an ear secured to the body and having an upper pivot-eye and a pair of spaced projections arranged below the plane of said eye, and a bail pivotally 95 connected to the eye of the ear and having a depending arm arranged to engage between the projections thereof to hold the body and bail against relative movement. 100

6. In a receptacle of the class described, the combination with the body, of an ear secured to the body and having an upper pivot-eye and a pair of spaced projections arranged below the plane of said eye, and a bail having 105 an offset portion forming a pivot that passes through the eye and is longitudinally movable therein, the free end of said pivot being provided with a depending arm arranged to engage between the projections of the ear to 110 hold the body and bail against relative movement.

7. In a receptacle of the class described, the combination with the body and cover, of a perforated ear carried by the body, and a bail 115 having an offset pivot which passes through the perforation of the ear and is capable of longitudinal movement therein, the inner portion of said pivot being normally disposed above the edge of the cover, said pivot having 120 its under-face inclined downwardly from its inner end, whereby the pivot will be moved outwardly upon a downward pressure upon the bail and said inner portion will be moved from above the edge of the cover. 125

8. In a receptacle of the class described, the combination with the body and cover, of an ear secured to the body and having an upper pivot-eye and a lower outwardly-projecting rim provided with a notch, and a resilient bail 130 having an outstanding pivot passing through the eye and capable of longitudinal movement therein, said pivot being provided on its outer end with a depending arm arranged

to engage in the notch of the rim when the
bail is in raised position, the inner portion of
said pivot being also arranged over the edge
of the cover when the bail is raised, said pivot
5 being adapted to be moved longitudinally in
the pivot-eye to disengage the cover and to
move the depending arm from the notch.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

CHARLES E. BERTELS.

Witnesses:

D. L. O'NEILL,

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