

(No Model.)

C. W. RAKER.

COMBINATION PAIL EAR AND SPRING CATCH.

No. 592,496.

Patented Oct. 26, 1897.

Fig. 1.

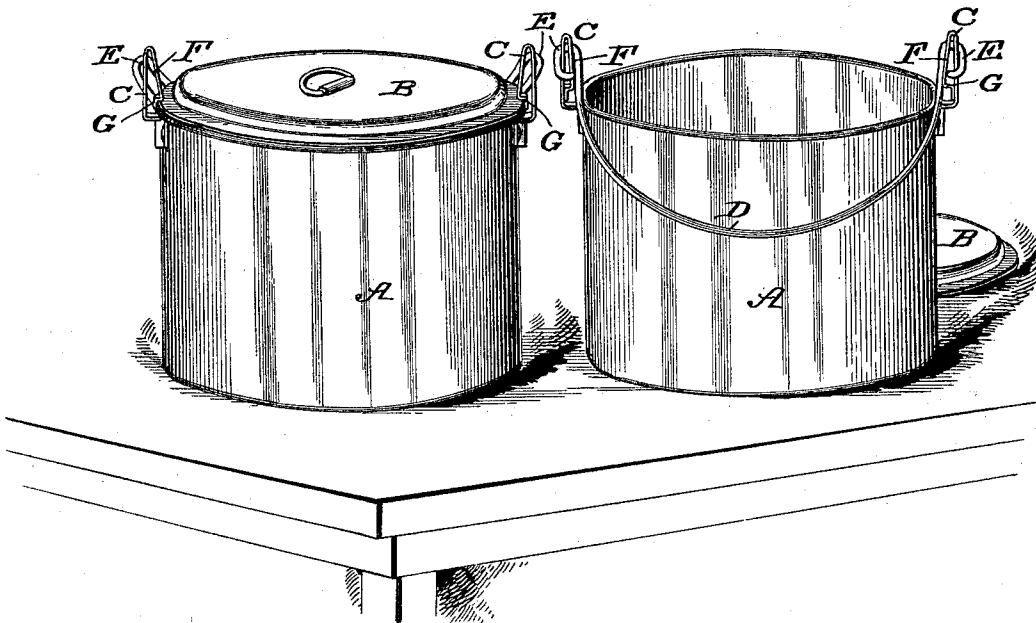


Fig. 2.

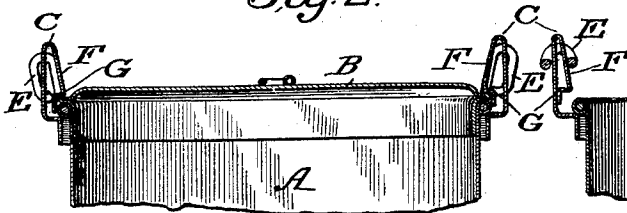


Fig. 3.

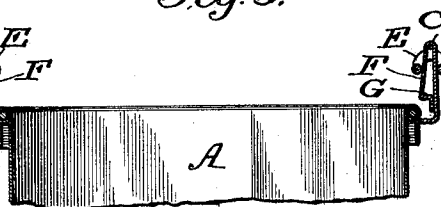


Fig. 4.

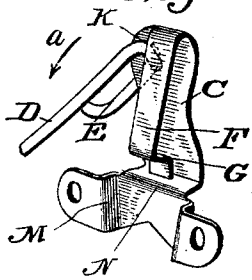


Fig. 5.

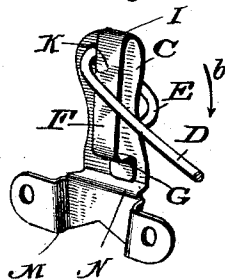


Fig. 6.

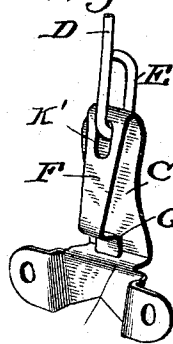
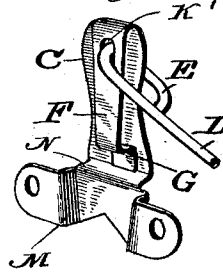


Fig. 7.



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CLINTON W. RAKER, OF SHAMOKIN, PENNSYLVANIA.

COMBINATION PAIL-EAR AND SPRING-CATCH.

SPECIFICATION forming part of Letters Patent No. 592,496, dated October 26, 1897.

Application filed July 25, 1896. Serial No. 600,520. (No model.)

To all whom it may concern:

Be it known that I, CLINTON W. RAKER, residing at Shamokin, in the county of Northumberland and State of Pennsylvania, have invented a new and Improved Combination Pail-Ear and Spring-Catch, of which the following is a specification.

This invention relates generally to an ear adapted to connect the bail to a pail or bucket, and is more especially adapted for use upon dinner-pails and the like.

The object of my invention is to provide a combination ear and fastener, said fastener being employed to secure the lid upon the top of the dinner pail or bucket.

Another object of my invention is to provide an automatic construction of fastener—that is, one which will securely fasten the lid of a pail or bucket when set in place and one which can be released by simply turning down the bail connected to the said ear.

Another object of my invention is to provide an ear involving an automatic fastener, which fastener can be released upon the bail being turned in one direction and will not be effected when the bail is turned down in the opposite direction.

Another object is to provide an improved construction of ear which will be released when the bail is turned in either direction and which will serve to support the said bail in a most convenient position for lifting the same up.

Another object of my invention consists in providing a combination ear and lid-fastener which can be formed of a single piece of sheet metal and will be exceedingly cheap and durable and thoroughly efficient in all of its operations.

With these various objects in view my invention consists, essentially, of an ear having a lower portion adapted for attachment to the side of the pail or bucket, an upper portion, to which the bail is attached, and a spring-fastener integral with the upper portion of the ear and arranged upon the inner side thereof, which spring-fastener is adapted to be acted upon by the loop or eye of the bail when the said bail is turned down.

My invention consists also in arranging perforations of the upper portion of the ear to

one side of the spring-fastener, so that when the bail is turned in one direction it will operate upon the fastener, but will not operate thereon when turned in the opposite direction.

My invention consists also in providing perforations in both the upper portion of the ear and the fastener and through which the eye or loop of the bail is passed, so that the fastener will be operated when the bail is moved in either direction, and also by means of which the bail will be held in substantially a horizontal position when not in use.

My invention consists also in certain details of construction and novelties of combination, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a view showing two pails provided with my improved construction of ears, one of the said pails having the top arranged thereon, while the other is shown with the top removed. Fig. 2 is a detail sectional view showing a top portion of the pail with the cover arranged thereon. Fig. 3 is a similar sectional view, the top being removed. Fig. 4 is a detail perspective view showing the position of the bail when the fastener is not operated upon. Fig. 5 is a similar view showing the position of the bail when operating upon the fastener to release the same. Figs. 6 and 7 show detail perspective views in a slightly-modified form of construction.

In carrying out my invention I employ any construction of pail or bucket A, which is provided with any construction of top or cover B. At each side of the pail or bucket is secured the ear C, to which is connected the bail D, having the loops or eyes E at its ends.

Connected with the ears upon the inner sides are the spring-fasteners F, said spring-fasteners having an offset or shoulder G at their lower ends, which is adapted to spring over the outer edges of the cover or top and hold the same securely in place upon the bucket or pail. These spring-fasteners are so constructed and arranged that when the bail is elevated or used for carrying the pail the loop or eye will not contact with the said fastener, and the offset or shoulder will consequently overlap the edges of the cover or

down, the eye or loop will press upon the spring-fasteners, forcing them outward toward the ear proper and withdrawing the offset or shoulder from the edges of the top or cover, which top or cover can then be immediately removed.

In the drawings I have shown the ear and fastener as composed of a single piece of spring sheet metal, and in practice I prefer to construct my improved device in this manner, the fastener being provided by simply bending the blank back upon itself, as shown at I; but it will of course be understood that the fastener can be made separate from the ear and attached thereto in any suitable manner.

In Figs. 1, 2, 3, and 4 I have shown the ear proper provided with an oblique aperture K, through which the eye or loop of the bail is passed, and the fastener is arranged entirely to one side of the said opening perforations. By this construction it will be noticed that when the bail is thrown down in the direction of the arrow *a* the fastener will not be released; but when the bail is thrown in the opposite direction, as indicated by the arrow *b*, the fastener will be operated upon by the bail and released.

In Figs. 6 and 7 I have shown both the ear proper and the fastener as perforated, as shown at K', and by this construction it will be noted that the fastener can be operated by turning the bail down in either direction, and that when it is not desired to operate upon the fastener with the bail said bail can be dropped to a horizontal position and held there by the action of the spring-fastener ready to be lifted or pressed down, as desired.

In both forms of devices I prefer to make the ear with a lower portion adapted to be attached to the side of the bucket, which lower portion is bent outwardly, as shown at M, and where the upper portion of the ear joins the lower portion said upper portion is also bent outwardly, as shown most clearly at N, the object of said outward bends being to throw the upper portion of the ear and the spring-fastener away from the side of the bucket or pail, so that the spring-fastener will be in proper position for acting upon the edges of the top or cover of the bucket or pail.

It will now be seen that I provide an exceedingly cheap and simple form of combination ear and cover-fastener. Furthermore, it will be noticed that this fastener is entirely automatic in its action both in fastening and unfastening, inasmuch as the unfastening operation is completed by throwing down the bail or handle of the bucket or pail.

top and hold said top or cover in place upon the bail. When, however, the bail is turned

It will also be noticed that the device can be constructed so as to be inoperative when the bail or handle is thrown in one position and operative when thrown in the opposite position, or said device can be constructed to be operated when the bail or handle is thrown in either direction.

It will also be noticed that the device being constructed of a single piece of sheet metal will be exceedingly cheap and simple to manufacture and attach and will be highly efficient in the performance of all its intended functions.

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

1. The combination with the bucket or pail, of a combination ear and fastener comprising an ear proper and a spring integral therewith having an offset or shoulder at its lower end adapted to overlap the edge of the cover or top, said ear proper having an oblique perforation, and the bail or handle the eye or loop of which is passed through the perforation of the ear proper, said bail or handle being adapted to bear upon the spring when the bail is turned down, substantially as shown and described.

2. The combination with the bucket or pail, the combination ear and fastener attached thereto, and comprising the ear proper having an oblique perforation and the spring-fastener integral with said ear proper, and having an offset or shoulder at its lower end, said spring-fastener being arranged to one side of the perforation in the ear, and the bail or handle having its eye or loop passed through said perforation whereby said bail or handle will operate upon the spring-fastener when turned in one direction and will not operate upon said fastener when turned in the opposite direction, substantially as shown and described.

3. The combination with a bucket or pail, of the ear and fastener fastened thereto, the upper portion of the ear proper having an oblique elongated perforation so as to permit the bail or handle to fall down to an inoperative position, thereby permitting the spring to hold the lid or cover in place until the bail is turned in the opposite direction for the purpose set forth.

CLINTON W. RAKER.

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GEO. W. JOHN.