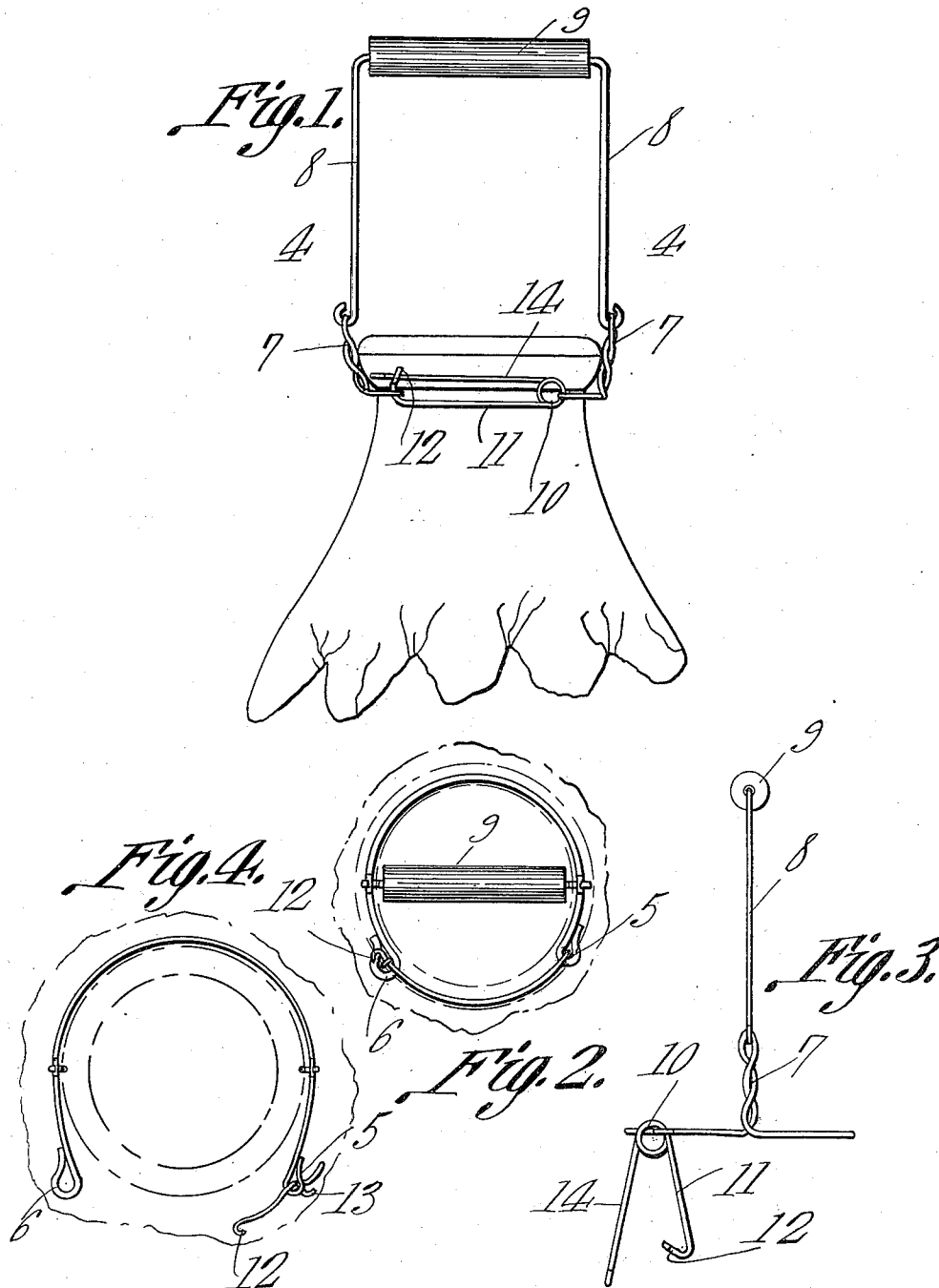


W. WADSWORTH.
CARRIER FOR BOTTLES.
APPLICATION FILED FEB. 27, 1911.

1,013,705.

Patented Jan. 2, 1912.



Witnesses

J. H. Wilson
L. H. Wilson

William Wadsworth Inventor

by *Cash & Co.*
Attorneys

UNITED STATES PATENT OFFICE.

WILLIAM WADSWORTH, OF WICHITA, KANSAS.

CARRIER FOR BOTTLES.

1,013,705.

Specification of Letters Patent.

Patented Jan. 2, 1912.

Application filed February 27, 1911. Serial No. 611,062.

To all whom it may concern:

Be it known that I, WILLIAM WADSWORTH, a citizen of the United States, residing at Wichita, in the county of Sedgwick and State of Kansas, have invented a new and useful Carrier for Bottles, of which the following is a specification.

It is the object of the present invention to provide an improved carrier for milk bottles and the like, the same being of that type designed for application to the neck of the bottle and having a carrying handle extending above the bottle.

One aim of the present invention is to so construct a carrier of this type that it may be readily applied to and disconnected from any ordinary milk bottle and, when applied, will not be liable to accidental disengagement. It has been proposed to embody, in the construction of carriers of this type open rings which are arranged to be closed about the neck of the bottle to be carried and the closing means has usually consisted of a hooked member pivoted to one end of the open ring and engageable at its hooked end with the other end of the ring. Such rings have however been non-resilient and the hooks of the closing members are liable to become disengaged thereby allowing the bottle to drop while being carried.

The present invention therefore contemplates the provision of a resilient open ring for this purpose designed to be closed about the neck and below the bead of the bottle by a member held firmly against accidental disengagement, by the resiliency of the ring and its tendency to expand, said member forming a closing member for said open ring and when engaging the neck being a continuation of said ring.

The invention further contemplates the construction of the member so as to positively prevent disengagement of its hooked end from the ring.

In the accompanying drawings:—Figure 1 is a view in front elevation of a carrier constructed in accordance with the present invention. Fig. 2 is a plan view thereof. Fig. 3 is side elevation of the device removed from the bottle. Fig. 4 is a view showing the device in condition prior to the closing of the ring thereof.

In the drawings, the bottle neck engaging ring of the device is illustrated as formed from a strand of wire bent at one terminal to form an eye 5 and at its other

terminal to form an eye 6. The wire is bowed to form an open ring and partly embrace the neck of the bottle to be carried. The open ring, furthermore, has a normal tendency toward expansion and as a consequence normally assumes a form such as shown in Fig. 4 of the drawings. Means are provided, as before stated, for closing the open ring about the neck of a bottle to be carried, but before describing this closing means, further description of the open ring and its supporting means will be given. The wire from which the open ring is formed, adjacent the eyes 5 and 6, is twisted to form upstanding arms 7 having eyes at their upper ends. The looped eyes 5 and 6 are twisted close to the body of the ring to maintain the ring at a continuous length, thus not interfering with the resiliency of said ring. The lower ends of the arms 8 of a carrying bail are pivoted in these eyes and the connecting portion of the bail has fitted thereon a handle 9. The closing member for the ring is also formed from resilient wire coiled at one end as at 10 and having its coils engaging the eye 5 whereby the member will be pivotally supported from this eye. From the coil 10, the member has extending an arm 11 having its outer end hooked as at 12 and formed, in turn, with a laterally projecting hook 13. An arm 14 also extends from the coils 10 and normally extends at an angle to the arm 11. In closing the ring by means of the said member, the latter is so positioned as to partly embrace the neck of the bottle to be carried and about which the ring has been previously engaged, and the hooked end 12 of the arm 11 is then inserted through the eye 6 of the open ring. In order to accomplish this, the open ring must be contracted as far as possible, against its resiliency. The arm 14 is then snapped into the hook 13 and the device is then ready to be grasped for the purpose of carrying the bottle. It will be understood that while the arm 14 has been provided, the engagement of the hook 12 in the eye 6 serves effectually as a means for holding the closing member against accidental disengagement from the open ring. It will thus be seen that the closing member which is carried by one of the eyed terminals of the open ring forms a continuation of the open ring when engaging the other terminal of the open ring to hold the open ring in engagement with the neck of

the bottle, the said closing member also engaging the bottle neck similar to the remaining portion of the open ring.

What is claimed is:—

3 In a device of the class described, an open, resilient ring, having a normal tendency to expand, the ring being provided with terminal eyes, and being bent to form a
10 pair of oppositely disposed loops, all portions of which stand at right angles to the plane of the ring, the loops being twisted close to the ring to maintain the ring at a continuous length; and a closing member forming a continuation of the ring, the clos-

ing member having a coil at one end en- 15 gaged in one eye, there being a pair of arms extended from the coil, one arm having a projecting portion engaged through the other eye and provided with a hook, the other arm being engaged with the hook; 20 and a bail pivoted in the loops.

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

WILLIAM WADSWORTH.

Witnesses:

W. S. SHAW,

J. W. PROTHERO.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."