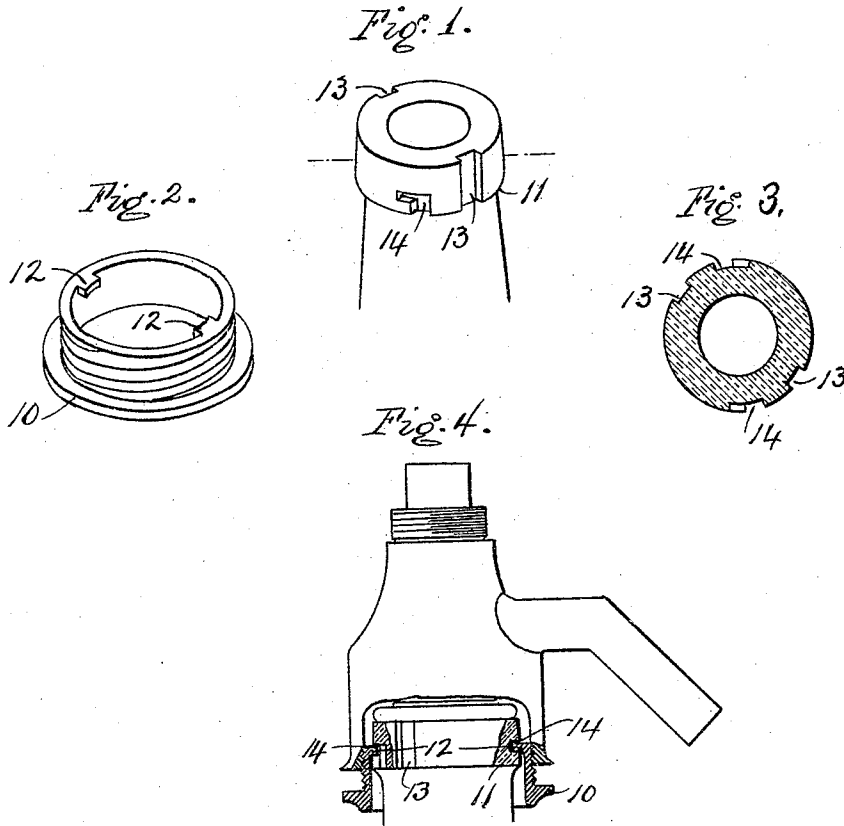


C. F. PLUNKETT.
SIPHON.
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929,485.

Patented July 27, 1909.



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UNITED STATES PATENT OFFICE.

CHRISTOPHER F. PLUNKETT, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO JOEL RINALDO, OF NEW YORK, N. Y.

SIPHON.

No. 929,485.

Specification of Letters Patent.

Patented July 27, 1909.

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To all whom it may concern:

Be it known that I, CHRISTOPHER F. PLUNKETT, a citizen of the United States of America, residing in the borough of Manhattan, in the city, county, and State of New York, have invented certain new and useful Improvements in Siphons, of which the following is a specification.

This invention relates to siphons, and particularly to a device for securing the usual siphon head on the bottle, the object of my invention being to provide simpler and more efficient means for this purpose than those hitherto in use.

In the accompanying drawings in which my invention is illustrated Figure 1 is a perspective view of a bottle neck formed in accordance with one method of carrying out my invention; Fig. 2 is a perspective view of the usual threaded ring adapted to be used with said bottle; Fig. 3 is a section of the bottle shoulder on a line passing through the upper portion of the bayonet slot 14 shown in Fig. 1; Fig. 4 is a vertical broken section showing a siphon head applied to the bottle.

In securing siphon heads on seltzer bottles and the like it is now customary to supply a split ring which is threaded on its exterior face and fits beneath a shoulder on the bottle neck. The siphon head is provided with a depending skirt which is internally threaded to engage the split ring whereby the head may be screwed down tight on the bottle neck. The use of a split ring is accompanied by many inconveniences, however, since it is difficult to hold the halves in proper position with relation to their threads when adjusting the head; furthermore, when the head is detached, the halves fall apart and are readily misplaced or lost; special clamping means must be employed also to hold the ring from swiveling around the bottle neck when it is desired to screw the head on tight, and more especially when it is desired to unscrew the head for the purpose of washing and filling the bottle. These disadvantages are avoided by making the ring 10 integral and providing suitable means for securing the same beneath the shoulders 11 of the bottle neck. While any suitable means for this purpose may be employed, a simple method is illus-

trated in Figs. 1 to 4. Lugs 12, which may be of any desired number, are formed on the inner face of the ring 10, and slots 13 corresponding in number are cut in the shoulder 11 for the passage of these lugs when the ring is slipped over the bottle neck. When the ring is below the shoulder, it is turned slightly until the lugs are in position to enter bayonet slots 14 also formed in the shoulder. The ring is then lifted so that the lugs pass into these slots. In this position the ring is locked so that it will not swivel while either attaching or detaching the head 15, there is no annoyance or delay in adjusting the threads, since the ring is integral and the threads continuous, and furthermore, when the head is removed the ring remains in place upon the bottle, although it is readily removed if so desired. Should the bottle be broken, the ring may be quickly adjusted to another. Other means may be devised of accomplishing the same end without departing from my invention, and I do not limit myself to the constructions shown.

I claim as my invention—

1. A device of the character described, comprising an integral rigid ring externally threaded to receive a siphon head, and provided with an inwardly projecting lug, in combination with a bottle having a shouldered neck bayonet slotted to form, in combination with said lug, a lock whereby said ring is rigidly secured beneath said shoulder substantially as described.

2. A device of the character described, comprising an integral rigid ring externally threaded to receive a siphon head, and provided with an inwardly projecting lug, in combination with a bottle bearing a shouldered neck slotted to permit the passage of said lug beneath the shoulder and slotted in bayonet form to form, in connection with said lug, a lock whereby said ring is rigidly secured against rotation, substantially as described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses.

CHRISTOPHER F. PLUNKETT.

Witnesses:

JOEL RINALDO,
WALTER ABBE.