A. C. LAILER.

BOTTLE HOLDER.

APPLICATION FILED MAR. 11, 1913.

1,086,541. Patented Feb. 10, 1914.

Fig. 1

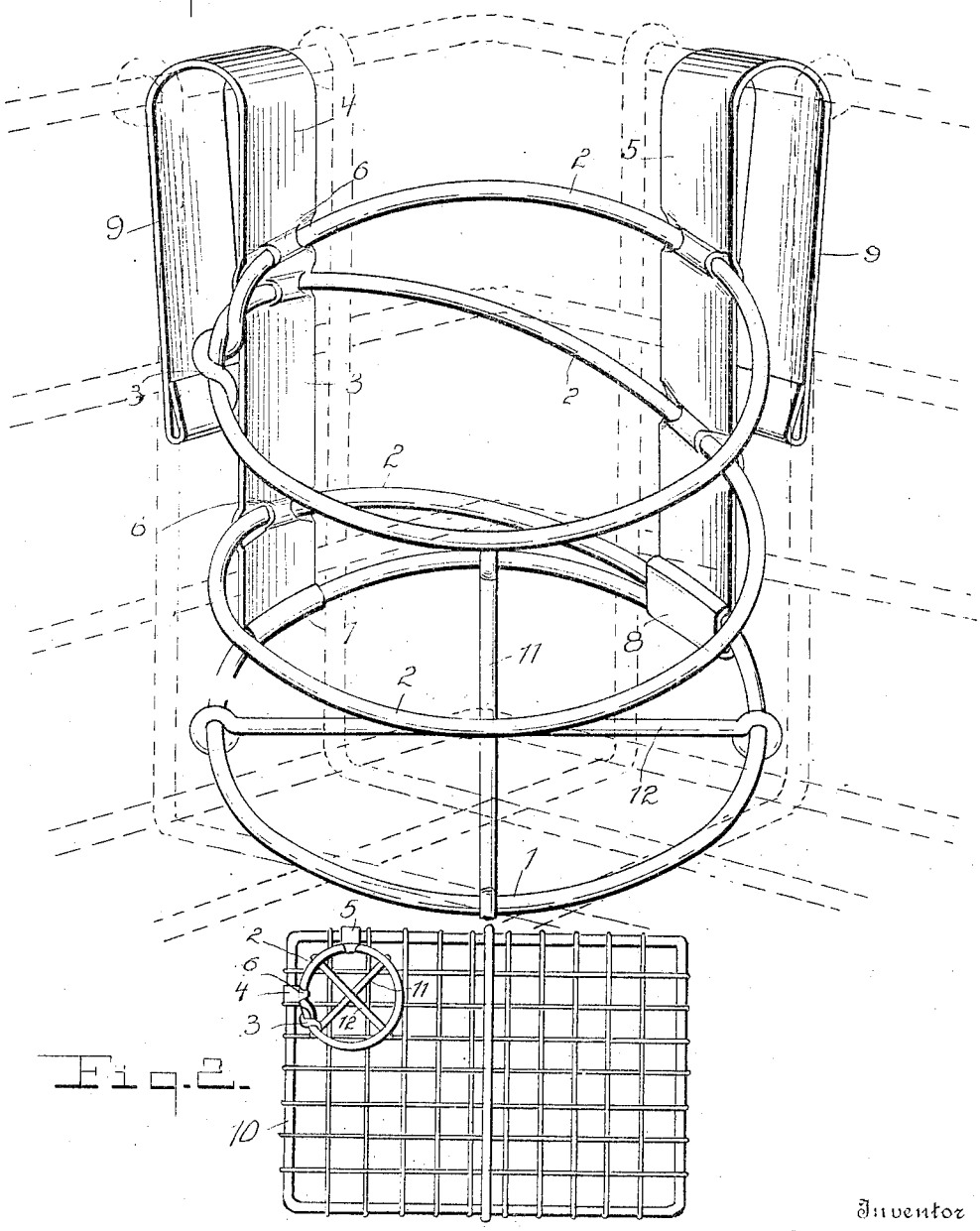


Fig. 2.

Witnesses

R. L. Jones.

R. Smith

Inventor

A. C. Lailer

By V. Standring Jr.

Attorney

UNITED STATES PATENT OFFICE.

ARTHUR C. LAILER, OF SOUTH PORTLAND, MAINE.

BOTTLE-HOLDER.

1,086,541. Specification of Letters Patent. Patented Feb. 10, 1914.

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To all whom it may concern:

Be it known that I, ARTHUR C. LAILER, a citizen of the United States, residing at South Portland, in the county of Cumberland and State of Maine, have invented certain new and useful Improvements in Bottle-Holders; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention comprehends improvements in bottle holders and relates more particularly to those which are especially adapted for holding milk bottles.

The primary object of the invention resides in the provision of an article of manufacture of this nature, which shall be of extremely simple construction, strong, durable, and which may be readily positioned within a basket so as to hold a milk bottle against movement.

The invention also aims to generally improve articles of this nature to render them more useful, practical, and commercially desirable.

With these and other objects in view, as will become more apparent as the description proceeds, the invention consists in certain novel features of construction, combination, and arrangement of parts as will be hereinafter described and claimed.

For a complete understanding of the invention, reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view of a holder constructed in accordance with my invention, a portion of a basket being shown in dotted lines, and, Fig. 2 is a top plan view, showing my improved holder secured in a basket.

The body portion of my improved bottle holder is preferably formed of a continuous metallic rod of a suitable diameter, said rod being bent adjacent one end to provide the circular base loop 1, and then wound spirally to provide the coils 2. The upper end of the rod is secured by being twisted about one of the coils, as indicated at 3. This construction provides an open cylindrical body portion which, it is to be understood, may be of any diameter and formed by coiling a rod any number of times.

The rod is held in its coiled position by a pair of flat metal bracing strips 4 and 5, said strips being apertured at the proper places and transversely grooved, as shown at 6ª and the metal between the apertures struck inwardly to provide the cross over strips 6. The rod forming the body portion passes between the cross over strips and the main portions of the braces 4 and 5. The lower end of the strip 4 is bent around the base loop 1, as indicated at 7, and the corresponding end of the brace 5 is bent around the inner end of the rod, as indicated at 8, to secure the same. The uppermost of said transverse grooves 6ª and cross over portions 6 are inclined downwardly so that the free terminal of the coil is trained downwardly to a point adjacent the second coil whereby it may be twisted thereabout, as indicated at 3. It will thus be seen that in having the coils 2 extending through the transverse grooves 6ª, that the body portion of the holder is rigidly supported by the strips 4 and 5. The braces are continued beyond the uppermost coil and have their extremities bent outwardly and downwardly to provide the arms 9.

From the foregoing description taken in connection with the accompanying drawing, it will be seen that I have provided a very strong and simple bottle holder which may be easily secured within one corner of a basket, such as indicated by the numeral 10, by hooking the arms 9 over the sides thereof.

My bottle holder is especially intended for use by milk carriers to prevent bottles of milk rolling around in the baskets, but it is to be understood that the device is capable of use in various other ways.

11 and 12 indicate crossed rods, which are looped at their ends into engagement with the base loop 1 of the cylindrical body portion. These rods make it possible to use the device upon baskets of various sizes and also as a holder for bottles which are not being carried in a basket.

It is to be understood that while I have shown and described the preferred embodiment of my invention, I do not wish to be limited to this exact construction, combination, and arrangement of parts, but may make such changes as will fall within the spirit and scope of the invention.

Having thus described my invention, what I claim is:—

A bottle holder consisting of a body portion formed of a single piece of coiled wire, longitudinal supporting strips provided with a plurality of transverse grooves, an

apertured cross over portion formed centrally of the grooves, certain of said grooves and cross over portions of one of said longitudinal strips disposed adjacent each other, the uppermost of said adjacent cross over portions and grooves disposed in an angular plane with relation to the other of said cross over portions and transverse grooves, said wire engaging said grooves and extending through said apertured cross over portion, and the upper free terminal of said wire extending through said angularly disposed grooves and cross over portion whereby the wire is trained downwardly and twisted about the adjacent coil.

In testimony whereof I affix my signature in presence of two witnesses.

ARTHUR C. LAILER.

Witnesses:
FRANK H. JORDAN,
CHAS. J. TILTON.