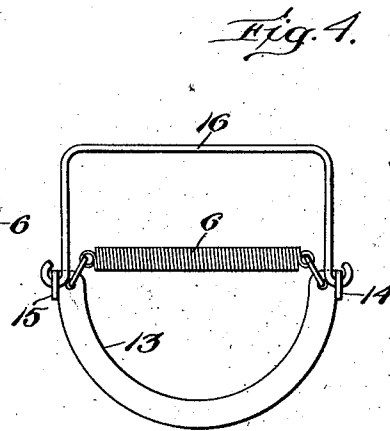
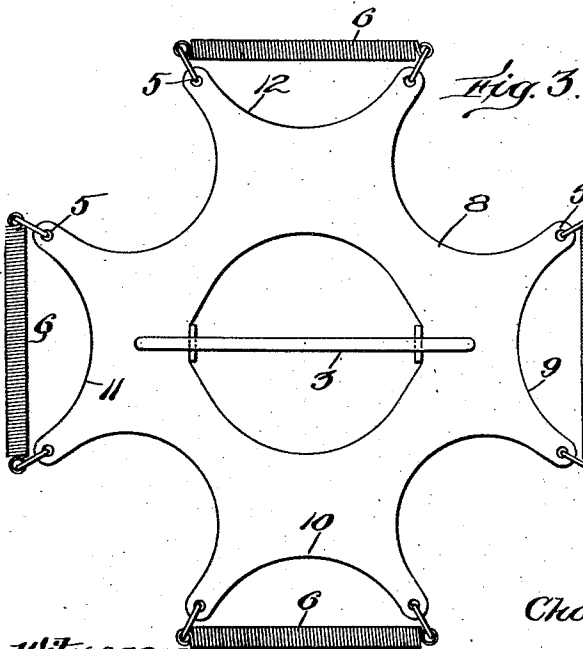
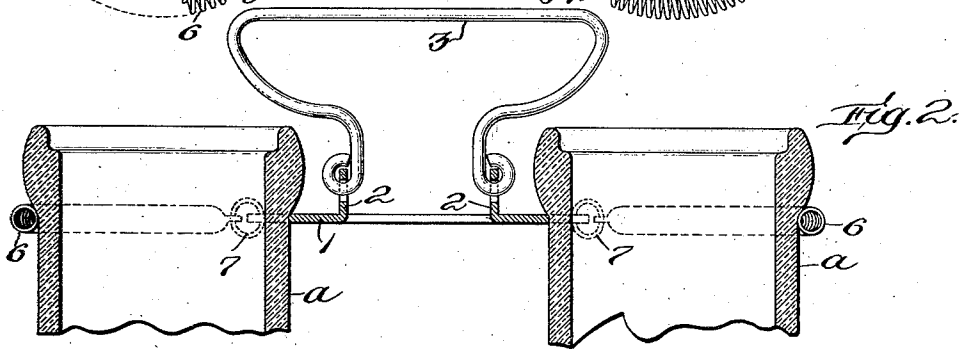
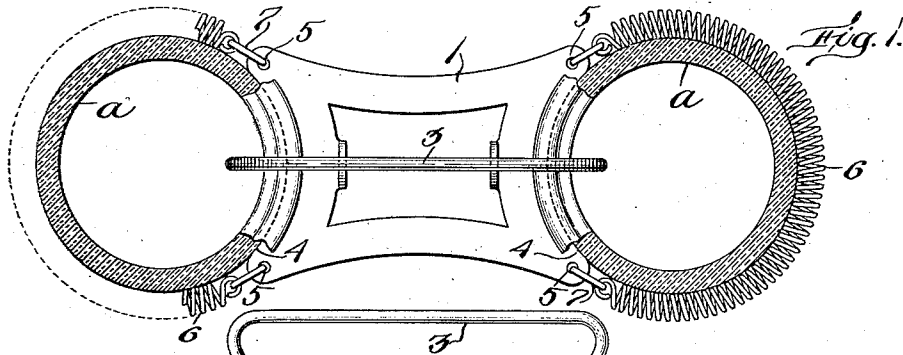


C. A. LANGGUTH.
BOTTLE CARRIER.
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1,005,235.

Patented Oct. 10, 1911.



Witnesses:
M. J. Spalding
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by Geo. S. Maxwell, Att'y.

UNITED STATES PATENT OFFICE.

CHARLES A. LANGGUTH, OF BOSTON, MASSACHUSETTS.

BOTTLE-CARRIER.

1,005,235.

Specification of Letters Patent.

Patented Oct. 10, 1911.

Application filed August 15, 1910. Serial No. 577,158.

To all whom it may concern:

Be it known that I, CHARLES A. LANGGUTH, a citizen of the United States, and resident of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improvement in Bottle-Carriers, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relates to carriers for bottles and the like, and the same has been especially designed for milk bottles, though it will be obvious that the construction is applicable for use in holding other forms of bottles or other articles having an enlarged flange above the neck thereof.

Referring to the accompanying drawings, wherein several of the possible embodiments of the main features of my invention are illustrated, Figures 1 and 2 are views in plan and section respectively of a two-bottle holder, the necks of the bottles being shown sectioned therein; Fig. 3 is a plan of a four-bottle holder; and Fig. 4 a plan of a one-bottle holder.

Referring to Figs. 1 and 2, 1 designates a plate or frame, which may be pressed out of the shape shown, with perforated ears 2 extending therefrom, a suitable wire or rod being bent into a handle 3, with its top preferably widened to provide a convenient hand-grip. Upon opposite sides of the plate 1 are formed bottle-holding sockets 4 curved to conform approximately to the shape of the bottle to be held therein. Apertures 5 are formed adjacent the ends of said sockets, and elastic members, shown as coil springs 6 have their ends secured to said apertures, as by links 7. It will be seen that the engaging ears for the handle 3 are formed in the longitudinal center of the plate and at equal distances from the adjacent bottle-holding socket, whereby, when bottles are secured in the two sockets, the weight is perfectly balanced from the handle. It will be further seen that the sockets 4 extend for a substantial distance around the periphery of the bottle neck and that the entire remainder of said neck is gripped by the spring 6, thus affording a secure gripping action underneath the top flange of the bottle and making it impossible for the bottle to drop therefrom.

The form shown in Fig. 3 is similar to that above described, excepting that the

plate 8 is fashioned with four sockets 9, 10, 11, 12 instead of two, the sockets 9 and 11 occupying the same relation to the handle that the sockets 4 do in the form first described, while the sockets 10 and 12 are upon opposite sides laterally and equidistant from the handle, thus preserving the balanced arrangement undisturbed. It will be seen that the rigid sockets, embracing a considerable portion of the periphery of the bottle and held in gripping contact therewith, will effectively prevent any relative tipping between the holder and the several bottles.

In the form shown in Fig. 4, the single socket 13 is curved to extend substantially halfway around the bottle, so that the ears 14 and 15 extending therefrom will lie substantially in the diametrical plane of the bottle, thus disposing the handle 16 directly above the center of gravity thereof.

In practice, the springs 6 are snapped over the top flange of the bottles *a* or similar articles in a manner that will be at once apparent, and the whole may then be carried as a rigid and compact load.

It will be seen that in all of the forms shown the handle is disposed directly over the center of gravity of the load, thus providing for the balanced action above explained and rendering the carriage of the load more convenient. Further, since the bottle neck is gripped about its entire periphery, the possibility of dropping the same is eliminated. It will be seen that, as the plate sockets engage the bottle neck for a substantial portion of the circumference thereof and are held in firm engagement therewith by the spring, a comparatively rigid and compact connection between the holder or carrier and the several bottles is provided whereby any relative tilting or swinging movement between the parts is prevented. The coil spring 6 or like elastic retainer forms a convenient and easily manipulated device for engaging over the top flange of the bottle.

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

1. A carrier, comprising a central rigid frame, a handle secured to the frame, said frame having opposite socket portions curved to engage partly around a bottle-neck, and a strongly resilient gripping member for each socket portion secured at its ends respectively to the opposite ends of the

socket portion and normally extending across the curved socket portion in an approximately straight line but capable of lengthening and bowing outward when a bottle neck is forced between the socket portion and the gripping member to clasp the bottle-neck with an unremitting pressure in firmly supported relation to the socket portion.

2. A carrier, comprising a central rigid frame, a handle pivoted in a central transverse plane of said frame, said frame having opposite socket portions circularly curved to engage partly around a bottle neck, and a spring for each socket portion having its ends engaged in eyes at the op-

posite ends of the socket portion and normally extending straight across the socket but capable of being lengthened and bowed outward when a bottle neck is forced between the socket portion and the gripping member to clasp the bottle neck firmly against the socket portion and cooperate therewith to hold the bottle.

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

CHARLES A. LANGGUTH.

Witnesses:

M. J. SPALDING,
GEO. H. MAXWELL.