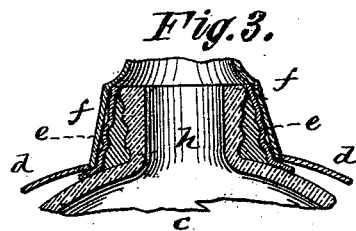
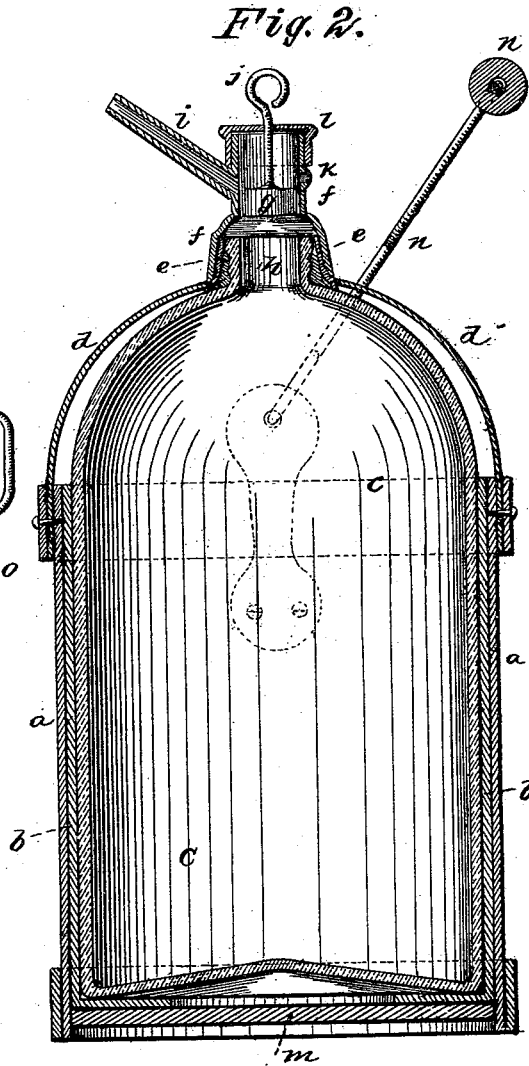
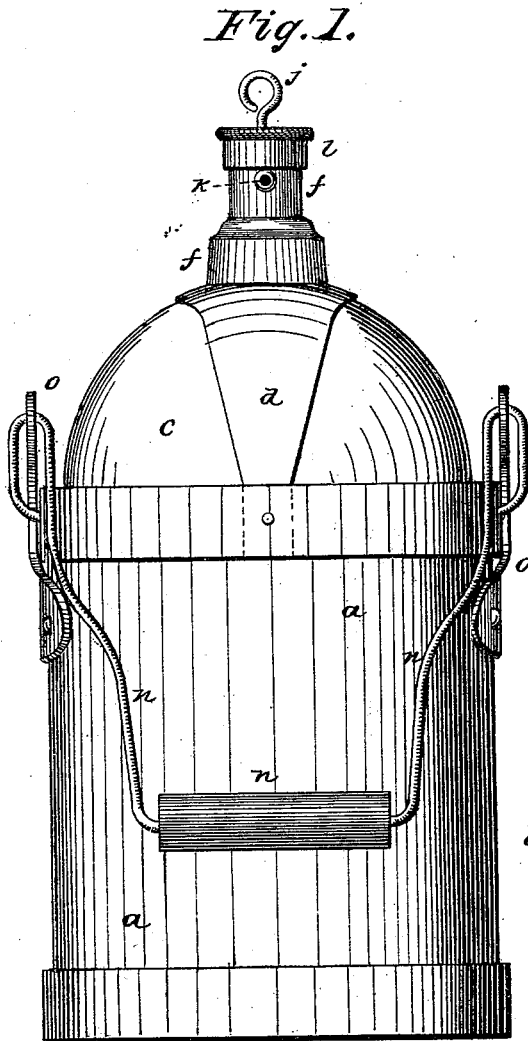


N. E. WOODS.
Jacketed Can.

No. 211,823.

Patented Jan. 28, 1879.



Witnesses:

P. C. Dieterich.

Wm. B. Suppenman.

Inventor:

Newell E. Woods.

Per C. H. Watson & Co. Attorneys.

UNITED STATES PATENT OFFICE.

NEWELL E. WOODS, OF ELGIN, ILLINOIS.

IMPROVEMENT IN JACKETED CANS.

Specification forming part of Letters Patent No. **211,823**, dated January 28, 1879; application filed September 20, 1877.

To all whom it may concern:

Be it known that I, NEWELL E. WOODS, of the city of Elgin, Kane county, State of Illinois, have invented certain new and useful Improvements in Cans, of which the following is a full description, reference being had to the accompanying drawings, in which—

Figure 1 is an elevation. Fig. 2 is a central vertical section, and Fig. 3 is a modification.

Similar letters of reference in the accompanying drawings denote the same parts.

The object of my invention is the protection of glass vessels, such as bottles, jars, cans, &c., so that they can be used for containing or transporting oils, chemicals, milk, or other liquids with safety.

The nature of my invention relates to permanently incasing the sides, the bottom, and a portion of the top of the glass vessel with a protecting casing, and supporting the external covering of the filling and pouring orifice; and it consists in the combination and arrangement of parts, as will be hereinafter more fully set forth, and pointed out by the claims.

In the drawings, *a* represents the exterior casing; *b*, the interior casing or lining; *c*, the glass vessel; *h*, the filling and pouring orifice or neck of the glass vessel; *e*, the external covering or collar of the glass neck of the vessel, or filling and pouring orifice; *d*, the supporting-strip or partial cover; *f*, the can-top placed over the collar *e*; *g*, the stopper; *i*, the spout; *j*, the stopper stem or handle; *k*, the vent; *l*, the cap; *m*, the bottom; *n*, the bail or handle, and *o* the ears.

As shown, the outer casing, *a*, is made of wood, with end hoops, and the inner casing or lining is made of paper. The entire casing, however, may be made of paper, and in either case the end hoops may be applied or omitted, as desired. When the entire casing is made of paper it should be sufficiently heavy to afford the desired protection, and it may be applied to the glass while damp, and in that case the shrinkage while drying will make it adhere firmly to the glass vessel.

The glass neck *h* has a somewhat larger diameter at its upper end than it has lower down, so as to firmly hold the collar *e* when it is placed in its proper position. The collar *e* may be cemented to the neck *h* or not, according to the use for which the vessel is required.

The can-top *f* is placed over and outside the collar, and soldered or otherwise fastened thereto.

The supporting-strip or partial cover *d* is attached at each end to the side casing, either to *a* or *b* alone, or to both together, by rivets, or by any other suitable means, and has an opening which fits around the glass neck *h* and its collar *e*, to which it is permanently attached, thus furnishing a support for the latter to prevent it from working loose and turning around on the glass neck, and also holding the glass vessel firmly in the casing.

I also provide a bottom, *m*, of wood, or any other suitable material, to my casing for the better protection of the glass vessel. I also provide a bail or handle, *n*, attaching the same to the side casing of the glass vessel by means of ears *o*, riveted or otherwise secured thereunto, the ears extending above the edge of the casing, and thus affording a protection to the exposed parts of the glass vessel.

The arrangement of supporting-strip or partial cover does not interfere with the passage through the top of the glass vessel of a sufficient quantity of light to admit of the inspection of its contents.

What I claim as new, and desire to secure by Letters Patent, is—

1. The metal strip *d*, arranged to leave a portion of the top of the said vessel exposed, in combination with the collar *e* and casing *a*, substantially as described.

2. The combination of the glass neck *h*, metal strip *d*, secured to the casing *a* and to collar *e*, the collar *e*, permanently attached to the neck, and the can-top *f*, soldered to the collar, all substantially as and for the purposes herein set forth.

3. The carrying bail or handle *n*, in combination with the strip *d*, arranged to leave a portion of the top of the said vessel exposed, and casing *a*, and collar *e*, substantially as described.

4. The bottom *m*, in combination with the casing *b* and the strip *d*, arranged to leave a portion of the top of the said vessel exposed, substantially as described.

NEWELL E. WOODS.

Witnesses:

CONRAD BUEL,
CHAS. R. COLLIER.