

G. H. CHINNOCK.
Metal-Cans for Paints, &c.

No. 139,869.

Patented June 17, 1873.

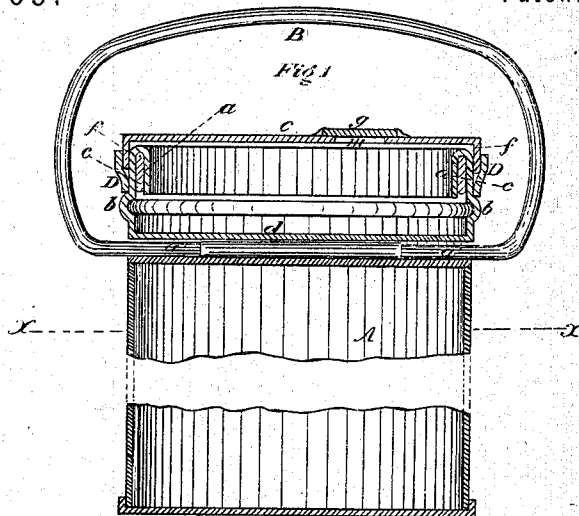


Fig 2

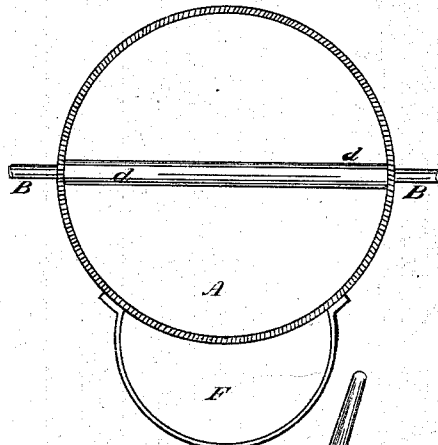
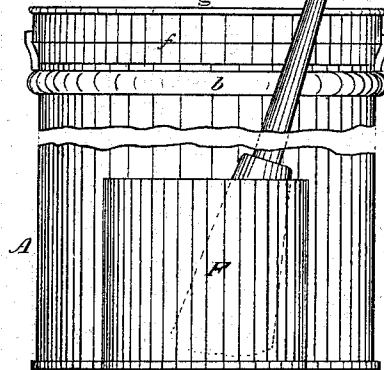


Fig 3.



Attest
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per
James A. Whitney
Att'y.

UNITED STATES PATENT OFFICE.

GEORGE H. CHINNOCK, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN METAL CANS FOR PAINT, &c.

Specification forming part of Letters Patent No. **139,869**, dated June 17, 1873; application filed January 30, 1873.

CASE B.

To all whom it may concern:

Be it known that I, GEORGE H. CHINNOCK, of Brooklyn, in the county of Kings and State of New York, have invented certain Improvements in Sheet-Metal Cans, &c., of which the following is a specification:

This invention is more especially designed for holding hermetically sealed fluid paints, varnishes, &c., as distinguished from similar substances having a thick or viscid consistence. The invention embraces certain novel means of stiffening and strengthening the upper portion of the can in order to enable it to retain its shape under the vicissitudes of use; of attaching the bail or handle in a cheap and convenient manner; of providing for the filling of the can without interference with the requisite soldering of the cover in place; and of enabling the brush commonly used in connection with a paint-can, in the practice of the painter's art, to be kept moist or flexible and contained in contiguity to the can when not in use.

Figure 1 is a central vertical section of a sheet-metal can made according to my invention. Fig. 2 is a horizontal section of the same taken in the line *xx* of Fig. 1. Fig. 3 is a side view of the same.

A is the body of the can, of cylindrical form, and made of sheet-tin or equivalent material. The metal, at the top or upper edge of this body, is lapped inward to constitute a fold, *a*, which presents a smooth and rounded edge at top, and which, by doubling the thickness of metal at that part of the body A, serves to stiffen the same against force, either externally or internally applied, to alter the circumferential shape of the said body.

It is preferred to insert a strip, *c*, of sheet-metal between the fold *a* and the external metal adjacent thereto for the purpose of giving additional stiffness to the aforesaid portion of the body A, but this is not essential. It is considered requisite, however, to form that portion of the body A immediately below the fold with an external rib *b*, provided by circumferentially forcing the metal outward, as fully indicated in Fig. 1. But a fold at the top of the body of the can, formed by turning the metal inward over a cylindrical wire,

is expressly disclaimed, as for the purpose of my invention, I desire that the fold *a* be flat, as hereinbefore explicitly set forth. The fold and rib together give the degree of permanence necessary to the retention of the proper contour by the upper portion of the can except against the strain exerted by the bail when attached by lugs provided upon the lateral upper portions of the body. To obviate this, there is arranged, in line with the points of suspension of the bail, a rigid transverse brace, *d*, fixed in the upper part of the body, as shown in Fig. 1. For the convenient attachment of the bail, moreover, the aforementioned brace is of tubular form, its interior opening at both ends through the sides of the body, and receiving the inwardly-turned ends *a'* of the bale B, which is thus securely attached to the body, and capable of a free or pivotal motion thereon. The cover C is provided with the usual peripheral flange *f* passing down over the top of the body A, in the usual manner, with its opposite edges soldered to the lower edge of this flange, and to the adjacent surface of the body A is sheet metal strip D. This securely confines the cover in place when the can is in use in the mere holding or transport of the contents, and as the solder readily yields when a pulling force is applied to one end of the strip, the latter may be readily detached, when required, to permit the removal of the cover to provide access to the contents of the can. But inasmuch as it is necessary in the operation of soldering the strip in place, to rotate the can on a horizontal axis, it is impossible to perform this soldering operation when the can is filled with paint, varnish, or the like, nearly or quite in a liquid condition, the liquid penetrating the joint before the adhesion and hardening of the solder. The cover is therefore attached, as described, previous to filling the can. The soldering completed, the paint, varnish, or other liquid poured in through an orifice, *m*, provided in the cover, or, if preferred, in the body A, and the filling process completed, this orifice is closed by a cap or disk, *g*, soldered to the adjacent surface of the sheet metal.

When the cover is removed the flange *f* still remains thereon and the cover may be used

as an ordinary removable one, the can being thus adapted to the ordinary uses of a paint-pot. As, when the can is thus employed, it is desirable that the painters' brush be kept conveniently adjunctive to the same, and with its bristles moist or flexible, a sheet-metal pocket, F, is provided upon a side of the body A which receives the bristle portion of the brush, as shown in Fig. 3, and, being partly filled with water, oil of turpentine, or equivalent liquid, keeps the bristles in the requisite soft and elastic condition.

What I claim as my invention is—

1. The combination, with the flat inwardly-turned fold *a* at the top of the body A, of the external rib *b*, formed in the said body below the fold, substantially as and for the purpose specified.

2. The combination, with the body A, of the rigid transverse brace *d*, the said brace being arranged nearly or quite in line with the points of attachment of the bale B, whereby the in-

ward strain upon the body A, when suspended by or from the bale, is counteracted, substantially as and for the purpose specified.

3. The combination, with a tubular transverse brace arranged in the upper part of the body A, of the inwardly turned ends of the bale B, substantially as and for the purpose specified.

4. The combination, with the cover C attached to the body A by the soldered strip D, of an orifice *m*, provided either in the cover or the body, and, when the can is filled, closed by the soldered cap or disk *g*, substantially as and for the purpose specified.

5. The combination, with the body A, of the pocket F, substantially as and for the purpose specified.

GEORGE H. CHINNOCK.

Witnesses:

GEO. H. WEBB,
GEORGE J. BARRY.