(Model.)

A. A. BLAIR & E. R. HORTON.

METALLIC PACKING CASE.

No. 266,420. Patented Oct. 24, 1882.

Fig. 1.

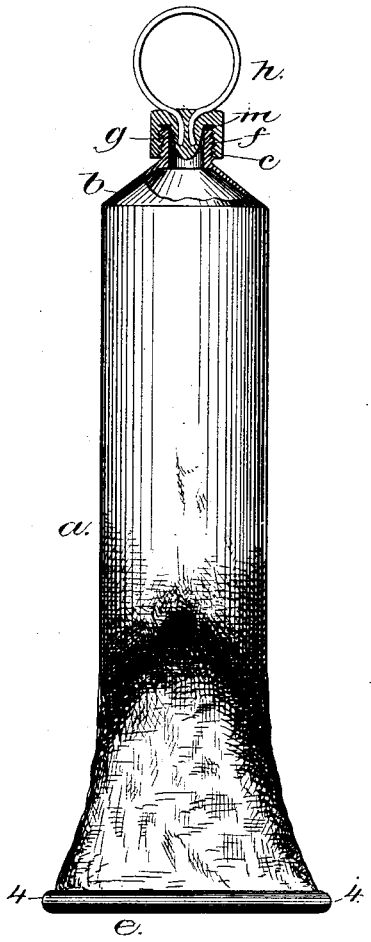
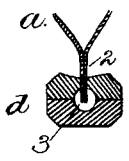


Fig. 2.



Witnesses.
John F. C. Frankfurt
Fred A. Powell

Inventors.
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Erwin R. Horton
by Crosby & Gregory Att'ys.

UNITED STATES PATENT OFFICE.

ALFRED A. BLAIR AND ERVIN R. HORTON, OF BOSTON, MASSACHUSETTS.

METALLIC PACKING-CASE.

SPECIFICATION forming part of Letters Patent No. 266,420, dated October 24, 1882.

Application filed May 13, 1882. (Model.)

To all whom it may concern:

Be it known that we, ALFRED A. BLAIR and ERVIN R. HORTON, both of Boston, county of Suffolk, State of Massachusetts, have invented an Improvement in Metallic Packing-Cases, of which the following description, in connection with the accompanying drawings, is a specification.

Our invention has for its object the production of a packing-case for fluid or semi-fluid or plastic substances; and our invention consists in a packing-case composed of a collapsible tube having one end hermetically sealed by means of a closing-bar and having its other end provided with a screw-threaded collar and cover. The cover for the collapsible package has a rigid eye attached to it for the reception of the finger of the person using the package when the cover is being removed. Collapsible tubes as now commonly employed to contain paints have their ends closed by folding the end of the tube upon itself.

Figure 1 represents in side elevation a packing-case embodying our invention, one end thereof and the cover being in section; and Fig. 2 is a detail showing in section a mold in which to unite the lower end of the package, the lower end of the collapsible package being shown as placed in the said mold to have the closing-bar added to the tube.

The collapsible tube *a*, composed chiefly of tin, and its conical metallic end *b*, having a screw-thread neck, *c*, are all as common. Instead of folding one end of the collapsible tube over upon itself after filling it, as commonly done, we bring the said ends together smoothly and evenly in two layers, as shown at 2, Fig. 2, and insert the same within a mold, *d*, (see Fig. 2,) leaving the flattened end of the tube in the space 3 at the center of the said mold. After this we pour or run into the space 3 of the said mold melted tin or type-metal, or equivalent material which will melt at a comparatively low temperature and cool quickly. The metal so run into the space 3 of the mold *d* about the flattened portion of the tube *a* quickly hardens therein, forming a closing-bar, such as shown at *e*, which, by casting, becomes practically a homogeneous part of the collapsible tube, thus hermetically closing the same and forming a stiff rigid bottom piece for the said tube. The package thus produced will be filled and discharged through its mouth or neck *c*, which is closed by the screw-threaded cover *f*. This cover has a central piece, *g*, which serves to stop the mouth of the neck or collar *c*, and also to assist in holding firmly and rigidly the metal loop or eye *h*, the ends of which are secured in the cover by casting. The cover may contain a small leather washer, as shown at *m* in heavy black lines. This packing-case is especially desirable for holding shoe-blacking, paints, and other semi-liquid or liquid substances. The closing-bar hermetically closes one end of the tube against any possibility of escape of its contents.

A person using the packing-case—for instance, with blacking—will insert one finger in the eye of the cover and turn the body of the case until the cover is removed.

The cover, when removed, may hang on the finger, if desired, ready to be again applied to the neck *c*, thus avoiding any liability of soiling the fingers by direct contact of the fingers with the cover.

The ends of the wire of which the eye is composed are extended down into the central stopper-like extension of the cover, where they are firmly held. The closing-bar will be made of a length greater than the width of the collapsible tube when pressed together, in order that the ends of the closing-bar may extend beyond the edges of the tube held by it, as shown at 4, thus materially and uniformly strengthening the end of the tube.

I claim—

1. As an improved article of manufacture, a metallic packing-case having a collapsible tubular body and a closing-bar to hold and hermetically seal one end of the said collapsible tubular body, as shown and described.

2. The cover, combined with the wire eye-piece, the ends of which are extended down into and rigidly secured to the cover, as shown and described.

3. The collapsible tube, combined with the closing-bar connected with and sealing one end thereof, the ends of the said closing-bar being extended beyond the tube, substantially as and for the purpose set forth.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

ALFRED A. BLAIR.
ERVIN R. HORTON.

Witnesses:
GEO. W. GREGORY,
B. J. NOYES.