A. A. ADAMS.

Attaching Tops and Handles to Molasses Jugs, &c.

No. 218,359. Patented Aug. 12, 1879.

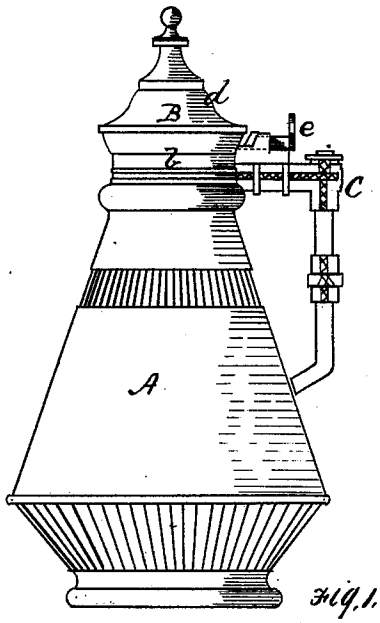



Fig. 1.

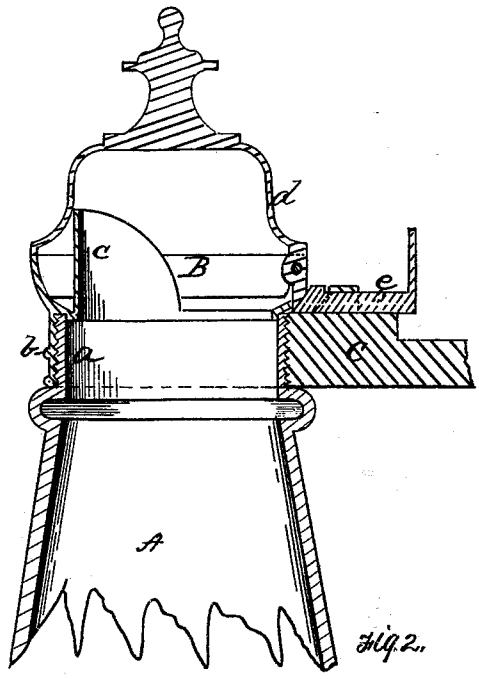



Fig. 2.

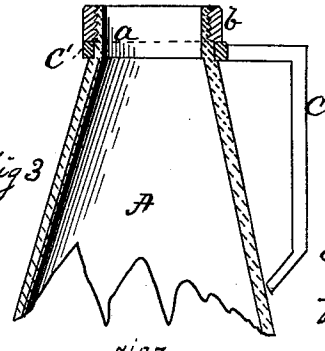



Fig 3

Fig. 3.

Witnesses.

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# UNITED STATES PATENT OFFICE.

AUGUSTUS A. ADAMS, OF PITTSBURG, PENNSYLVANIA.

## IMPROVEMENT IN ATTACHING TOPS AND HANDLES TO MOLASSES-JUGS, &c.

Specification forming part of Letters Patent No. **218,359**, dated August 12, 1879; application filed June 18, 1879.

*To all whom it may concern:*

Be it known that I, AUGUSTUS A. ADAMS, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Attaching Tops and Handles to Molasses-Jugs and other articles of glassware; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is an elevation, and Fig. 2 a sectional view, of devices embodying my invention. Fig. 3 shows a modification.

Like letters refer to like parts wherever they occur.

My invention relates to the manner of attaching handles and tops to glassware, such as molasses-jugs, &c.; and consists in so combining the handle with the detachable top that the relative position of the parts is preserved in connecting the same to the glass article.

In the manufacture of glass molasses-jugs and like articles, having handles and detachable tops, several methods have been adopted for attaching the top to the can. The usual method has been to employ plaster-of-paris or equivalent cement; but the same is objectionable—first, because the contents of the vessel necessarily come in contact with the cement and leave it marked, dirty, and unsightly; and, secondly, because the plaster-of-paris permits the top to work loose.

To overcome the defects of tops so attached, a screw-threaded top, or its equivalent, has been devised and employed; but this construction has been generally abandoned, for the reason that the blown-glass thread on the cans will vary so greatly that it is often impossible to get the pouring-lip and handle of the article aligned, (the handle being connected to the body of the jug,) and the consequent loss from imperfect articles has been so great that the manufacturers have, as a general thing, abandoned the screw-top and returned to the use of cement.

The object of the present invention is to overcome the objections to the screw-tops as at present constructed, and thus avoid the existing necessity of using plaster-of-paris or other cements in attaching tops to handled articles of glassware.

I will now proceed to describe my invention so that others skilled in the art to which it appertains may apply the same.

In the drawings, A indicates the article to which the top is to be applied—in the present instance a molasses-jug. At the time of manufacture said article is formed with a neck, *a*, either threaded (which is the preferable form) or provided with lugs or indentations, by means of which a top may be secured thereto.

B is a top, of metal or other suitable material, the collar *b* of which is threaded internally, or otherwise constructed, to correspond with neck *a*.

C indicates a handle, of any desired configuration, preferably either formed with or attached to the top B, so as to form a part thereof, and be applied to and removed from the vessel A together with the top.

The top B may be provided with the usual pouring-lip *c*, placed opposite the handle C, and the cover *d* may be operated either by the usual thumb-piece, or if preferred, by a sliding bolt, *e*, which acts on a lug projecting below the hinge of the cover.

The vessel A having been formed with the neck *a*, as specified, the top can be attached by simply screwing the collar *b* on the neck *a*, and as the handle C is attached to the top at a point opposite the pouring-lip *c*, or in other desired position, and moves with the top B, to which it is attached, it will always preserve its relative position, so that variations in the threads upon the glass articles A will not interfere with the production of perfect and marketable articles of the class specified.

Instead of attaching the handle directly to the screw-collar, as shown in Figs. 1 and 2, (which is the preferred form,) the handle or handles may have an independent collar, C′, Fig. 3, which is slipped over the neck *a*, and, when properly adjusted, will be held in position by the screw-collar *b*.

In the case of lamps or like articles where the pouring-lip is not required it will, of course, be omitted.

I do not claim the sliding bolt which acts on a lug projecting below the hinge of the cover

as of my invention, as the device specified is simply shown as one of many means which may be used for opening or raising the can-top, and in no manner modifies or affects the devices which are the subject-matter of the claims.

I am aware that a collar and handle have heretofore been formed in one piece and attached to a vessel by plaster-paris or a cement, and do not claim the same; but,

Having thus described the nature and advantages of my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination, with an article of glass-ware having a threaded neck, of a detachable handle, and a screw-collar or top for securing the same, substantially as specified.

2. The combination, with an article of glass-ware having a threaded neck, of a screw-collar provided with a handle and pouring nozzle or lip, substantially as and for the purpose specified.

3. A combined screw-top and handle, substantially as and for the purpose specified.

In testimony whereof I, the said AUGUSTUS A. ADAMS, have hereunto set my hand.

AUGUSTUS A. ADAMS.

Witnesses:

F. W. RITTER, Jr.,

JAMES H. POSTE.