E. M. DALLEY.

COMPRESSIBLE PACKING TUBE.

APPLICATION FILED AUG. 14, 1909.

962,008. Patented June 21, 1910.

Fig. 1.

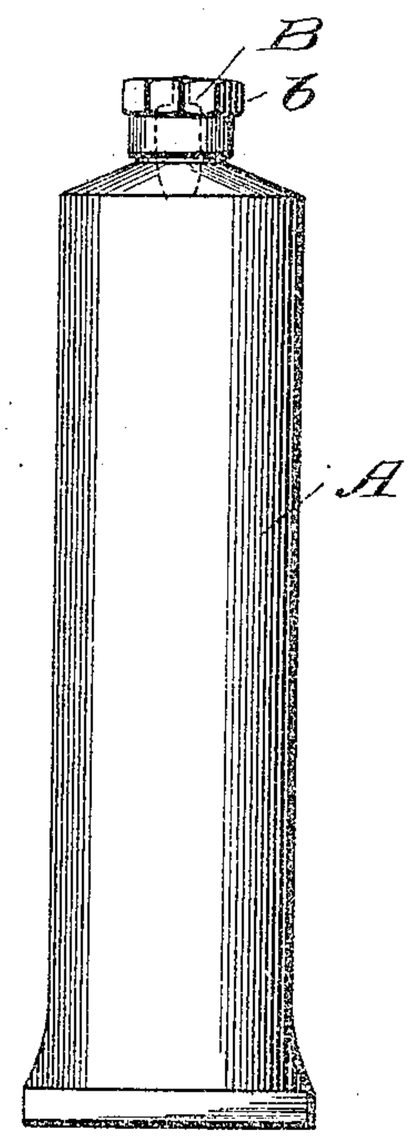


Fig. 4.

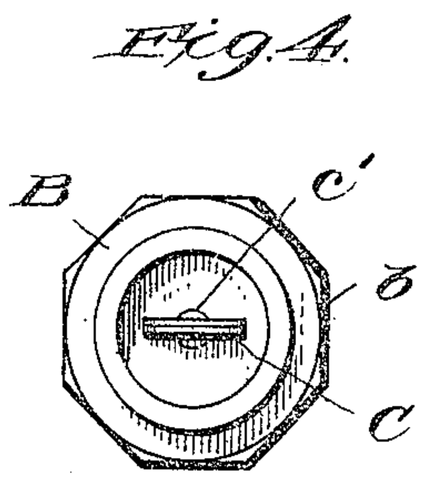


Fig. 2.

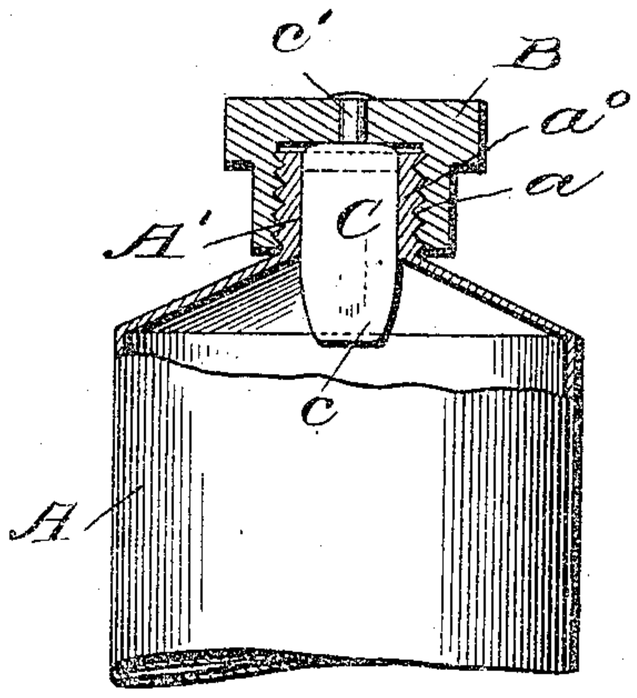
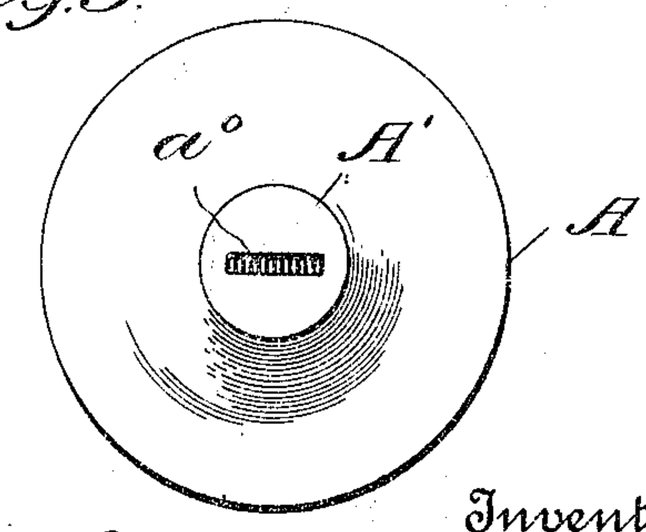


Fig. 3.



Witnesses

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COMPRESSIBLE PACKING-TUBE.

962,008. Specification of Letters Patent. Patented June 21, 1910.

Application filed August 14, 1909. Serial No. 512,857.

To all whom it may concern:

Be it known that I, EDWARD M. DALLEY, a citizen of the United States, residing at Larchmont, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Compressible Packing-Tubes; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in compressible packing tubes for the storage and distribution of plastic materials, such as dental cream, vaseline, cold cream and the like. In the manufacture of such tubes a compressible metal body is used with a screw threaded neck and a cap to go over this neck. The opening through this neck is generally circular in cross section, causing the matter squeezed out to exude in a cylindrical form. It is found preferable to squeeze out the matter in the form of a flat band, and for this purpose it is preferable to have an aperture of an elongated cross section. Such an aperture is apt to become clogged up, and one of the purposes of this invention is to provide such an aperture with means for effectively preventing the clogging of the same.

The invention also relates to certain features in the screw cap as will be hereinafter described and claimed.

Reference is had to the accompanying drawings in which the same parts are indicated by the same letters throughout the several views.

Figure 1 is a side elevation showing the tube with the cap screwed on; Fig. 2, an enlarged view showing the upper part of Fig. 1, but with the cap and neck in section; Fig. 3 is a plan view of the top of the tube, and Fig. 4 is an inverted plan view of the cap after it has been removed from the tube.

A represents the tube, which is made of compressible material such as lead, zinc, tin or the like, and is provided with a rigid neck A′ exteriorly screw threaded as at *a*, and provided with an elongated perforation *a*°, preferably rectangular in cross section, as shown in Fig. 3.

B represents the screw cap, which is interiorly screw threaded to engage the screw threads *a* of the neck A′, and the exterior of this cap is preferably polygonal in form, as at *b*, so as to prevent the cap from rolling any appreciable distance should the same be accidentally dropped when removed, as frequently happens.

C represents a flat plate, which is preferably tapered at *c*, and is swiveled as at *c*′ to the cap B. This wedge shaped plate is adapted to slide freely into the slot *a*° in the neck A′, and to push out any hardened or partly hardened material that may tend to clog up the said slot. The swivel arrangement *c*′ permits the screw cap to be screwed down without turning the plate C.

It will thus be seen that the cap automatically clears the opening from the tube, and the plate C serves as an auxiliary stopper to close the opening *a*°. Moreover, when the cap is removed it may be allowed to fall on the floor or other plane surface without rolling any great distance, as is frequently the case with cylindrical caps now in use.

It will be obvious that the number of faces *b* of the polygon forming the outer circumference of the cap may be varied at will, and the diameter of this polygon may be increased or decreased, as desired. It will also be noted that the flat shape of the plate C will assist the polygonal faces of the cap in preventing the same from rolling. This rolling is especially objectionable, as such articles are apt to be used near bath tubs, bureaus or the like, where if the cap rolls far it is with difficulty recovered.

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

1. A compressible packing tube provided with a rigid screw threaded neck, having an opening therethrough, a screw cap adapted to screw over said neck, and a flat plate swiveled to said screw cap and adapted to project into said opening in the neck, substantially as and for the purposes described.

2. A compressible packing tube provided with a screw threaded neck, with an elongated opening therethrough, a screw cap adapted to screw over said neck, and a flat plate swiveled to said cap and having a tapered end adapted to project into said elongated opening in the neck, substantially as and for the purposes described.

In testimony whereof, I affix my signature, in presence of two witnesses.

EDWARD M. DALLEY.

Witnesses:
H. G. ANDREWS,
JACQUES L. BOISSE.