Sept. 6, 1932. J. LINDQUIST 1,875,621

DISPENSING DEVICE

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Fig. 1.

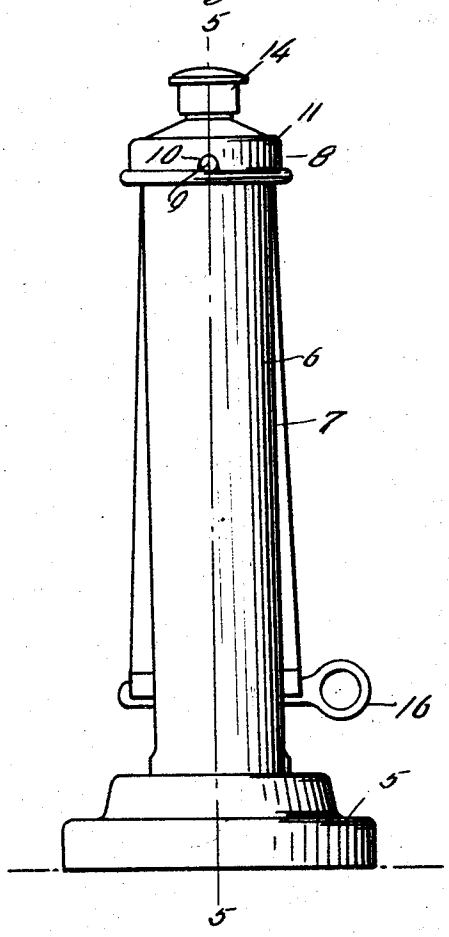
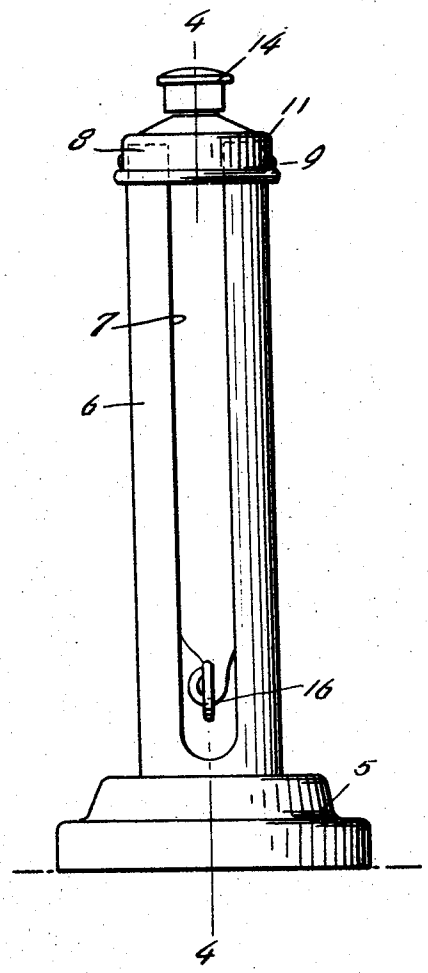


Fig. 2.



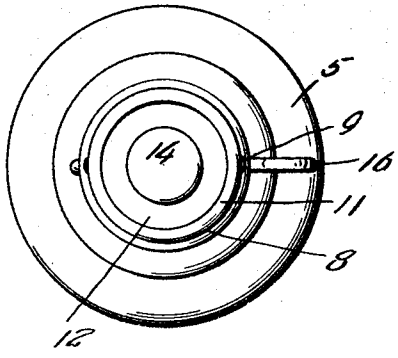


Fig. 3.

Inventor

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DISPENSING DEVICE

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Fig. 4.

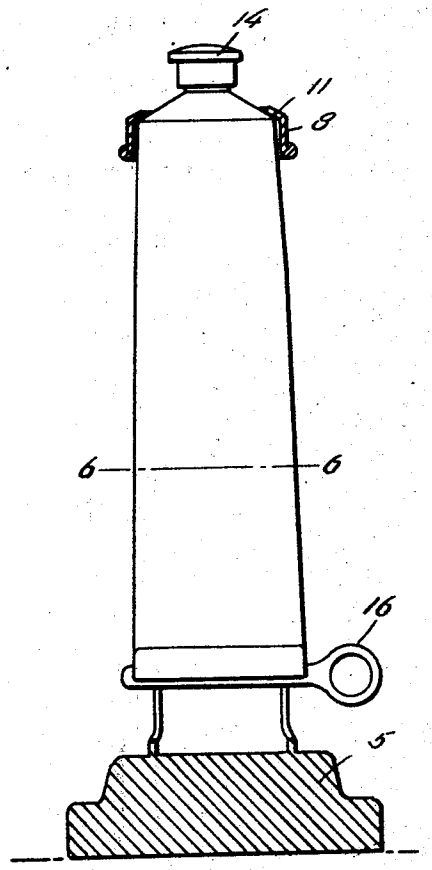
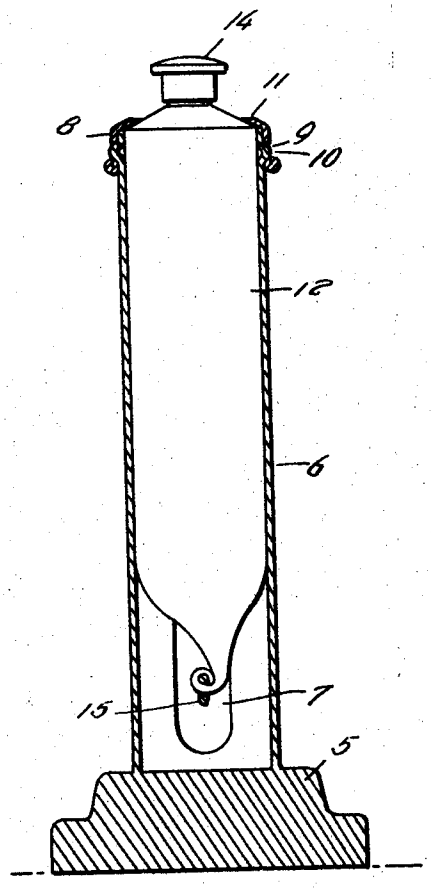


Fig. 5.



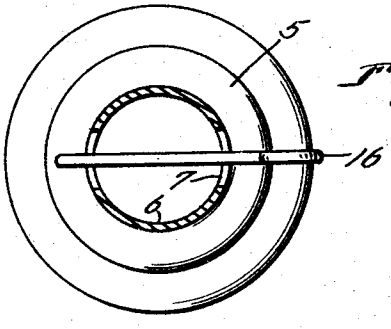


Fig. 6.

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Patented Sept. 6, 1932 1,875,621

UNITED STATES PATENT OFFICE

JOHN LINDQUIST, OF OAKLAND, CALIFORNIA

DISPENSING DEVICE

Application filed April 21, 1930. Serial No. 446,148.

The present invention relates to a dispensing device or fixture which, in connection with materials contained in collapsible tubes, furnishes a convenient means for dispensing the contents of the tubes and for keeping such tubes and contents in a readily available, sanitary and convenient condition, as will be set forth in brief in greater detail hereinbelow.

One of the objects of the invention is to provide a holder for a collapsible tube filled with material which is adapted to be dispensed therefrom, as for example tooth paste, although it is to be understood that other substances may be easily well dispensed by means of the improved device which is the subject of the present invention.

A further object of the invention is to provide a novel and efficient device for progressively compressing a collapsible tube so as to eject gradually and evenly therefrom paste or the contents therein contained; and to do so in such a manner that substantially all of the contents in the tube may be utilized without waste.

A still further object of the invention is to provide a holder for the aforesaid collapsible tube and for the compression device cooperating therewith and which device is provided with a cover so that the old used collapsed tube may be readily removed therefrom and a new tube put in place.

A still further very important object of the invention resides in the provision of a device of this nature which is exceedingly simple in its construction, inexpensive to manufacture, strong and durable, and thoroughly efficient and reliable in use and operation.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawings:

Figure 1 is a side elevation of the device embodying the features of my invention,

Figure 2 is a similar view taken at right angles to that shown in Figure 1,

Figure 3 is a top plan view thereof,

Figure 4 is a sectional view taken substantially on the line 4—4 of Figure 2,

Figure 5 is a sectional view taken substantially on the line 5—5 of Figure 1, and

Figure 6 is a sectional view taken substantially on the line 6—6 of Figure 4.

Referring to the drawings in detail it will be seen that the numeral 5 denotes a base from which rises a cylinder 6 having diametrically opposed longitudinally extending slots 7 formed therein. Each slot extends through the top of the cylinder as shown in dotted lines in Fig. 2 and these slots are of considerable width as shown in Figs. 2, 5 and 6, so that the sides of the cylinder are slightly resilient. A cap 8 is telescoped over the upper end of the cylinder 6 being formed with openings 9 to receive projections 10 formed on the cylinder 6, it being understood that by pressing upon the side of the cylinder, the upper end of the two parts thereof separated by the slots will move inwardly and thus these projections may be forced inwardly so that the cap may be readily removed to enable a tube of paste to be placed in the cylinder, after which the cap is put back in place.

The top of the cap is provided with an opening 11. The numeral 12 denotes a collapsible tube or container which is mounted in the cylinder 6 and held in place by the cap 8. The numeral 14 denotes the top of the container which may be removed when the contents thereof are to be dispensed. A key 15 of the usual slotted type extends through the slots 7 and engages on the lower end of the container 12. By turning this key 15 the head 16 of which is accessible to the outside of the cylinder 6 it will be seen that when the cap 14 is removed the contents will be forced out of the container.

As will be seen from the drawings, particularly Figures 1 and 4 the edges of parts of the tube extend through the slots so that as the lower end of the tube is rolled around the key the ends of the rolled part will project through the slots and as these slots make the cylinder resilient when the cap is put in place the unslotted parts of the cylinder push inwardly against the upper part of the tube to

hold it in place with its neck projecting through the cap as shown in the drawings.

It is thought that the construction, operation, utility and advantages of this invention will now be quite apparent to those skilled in this art without a more detailed description thereof.

It will be seen that this embodiment of the invention is exceedingly simple in construction and may be manufactured at a low cost yet be formed strong and durable and so as to be thoroughly efficient and reliable in use and operation.

Of course the present embodiment of the invention has been disclosed in considerable detail merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what I claim as new is:

A collapsible tube holder comprising a base, a cylinder formed of resilient material and having its lower end integrally formed with the base, said cylinder having a pair of diametrically disposed longitudinally extending slots therein extending from a point adjacent the bottom of the cylinder through the upper end thereof a cap fitting over the upper end of the cylinder and means for detachably connecting the cap to the cylinder, said cap having an opening therein, the cylinder being adapted to receive a collapsible tube with the corners of said tube projecting through the slots, which slots act as guiding means for the ends of a winding key attached to the flattened end of the tube, with the upper end of the tube projecting through the opening in the cap.

In testimony whereof I affix my signature.

JOHN LINDQUIST.