July 7, 1931. J. H. LODGE 1,813,457

TOOTH PASTE TUBE HOLDER

Filed July 25, 1929

Fig. 1.

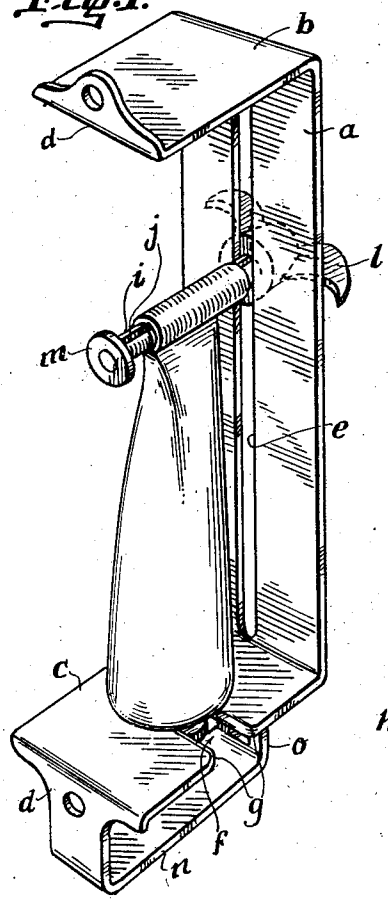


Fig. 2.

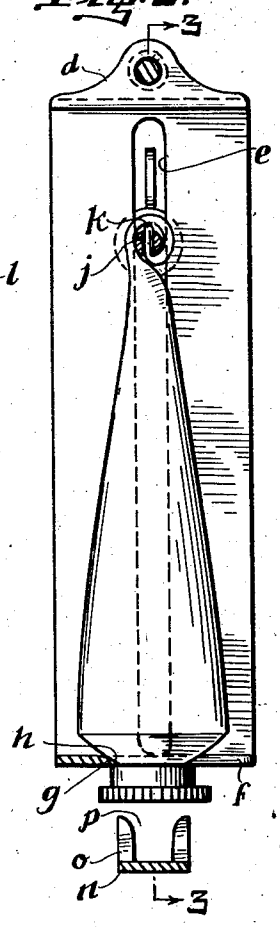


Fig. 3.

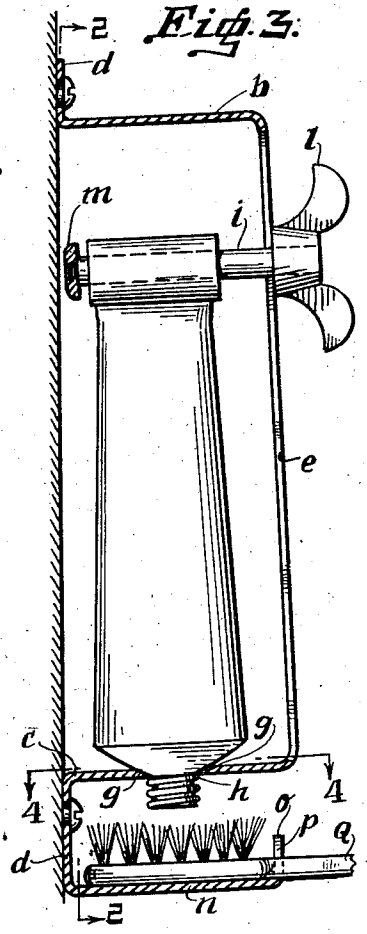


Fig. 4.

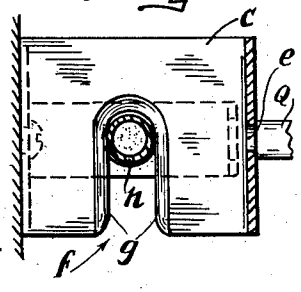
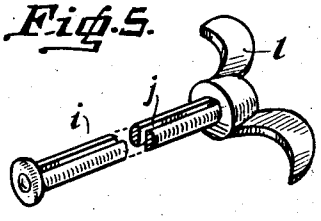


Fig. 5.



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UNITED STATES PATENT OFFICE

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TOOTH PASTE TUBE HOLDER

Application filed July 25, 1929. Serial No. 380,942.

My invention relates to improvements in holders for collapsible metal tubes that are generally utilized as containers for toilet creams, dental paste, shaving cream and the like; the principal object of my invention being to provide a very simple and convenient holder or container for a collapsible tube, which will be held in place without auxiliary holding means; the tube being held in position and prevented from sliding or moving out of the holder by means of comparatively sharp impinging walls which closely fit or surround the neck of the tube when in an inverted position, said tube being held in position at its upper or inverted end by means of a slotted tube or rod which engages a flange upon said inverted end of the tube which upon turning said rod or tube by means of a winged nut or extended end, winds up the paste container on said slotted rod and forces the paste or cream out at an opening in the end of the inverted tube.

By this simple construction and arrangement, no auxiliary means is necessary to hold the discharge end of the paste or cream container in position; the frame work or body of the holder being made from a single piece of metal open at its sides and back and bent to form a front wall and a top and bottom provided with means for attaching it to a wall or other structure.

In the accompanying drawings:

Fig. 1 is a perspective view of a holder for tooth paste, face cream, shaving cream and the like, constructed in accordance with my invention.

Fig. 2 is a sectional view on line 2—2 of Fig. 3.

Fig. 3 is a sectional view on line 3—3 of Fig. 2.

Fig. 4 is a sectional view on line 4—4 of Fig. 3.

Fig. 5 is a perspective view of the slotted operating rod for receiving the lower flat portion of the container, and provided with an operating handle or nut.

Fig. 1 is a perspective view of my improved holder for tubes of dental and toilet paste and the like which consists of a housing having a front face *a*, a top portion *b*, and a bottom portion *c*, said top and bottom portions being provided with attaching flanges *d*, for attaching the holder to a wall or other support. The front face or wall *a*, is provided with an elongated slot *e*, which extends substantially the entire length of the holder. The bottom plate *c*, of the holder, is formed with a slot *f*. The edges of the said bottom plate forming said slot are made with a knife-edge *g*—*g*. This is a very important feature of my invention, as by making the slot *f* of such a width that the neck *h* of the paste container will fit snugly in said slot and the knife-edges *g*—*g* will impinge against the neck *h* of the container, said container will be held vertically and prevented from swinging outward or having any movement at all and this too without any auxiliary means, such as a pawl, a spring or other binding means. My construction, providing as it does two impinging knife-edges, formed on the frame itself and constituting a part of the frame, reduces the cost of production and simplifies the operation of the device.

The letter *i* in the drawings represents a rod which is provided with a slot *j* for receiving the lower flattened end *k* of the container and is also provided at one end with a suitable winged nut or handle *l* and on its other end with a removable nut or end *m*. By this construction and arrangement, the flattened lower end of the container *k* may be inserted in the slot *j* of the rod *i* and bent over on said rod, and by turning the winged nut or handle *l*, the tube will be wound up on the said rod *i*, when it is desired to force paste or cream out of the container. The bottom or base *c* of the frame is extended downwardly to form an attaching flange *d*, and may then be turned outwardly at *n* and then upwardly at its forward end, as at *o*, which latter portion is provided with a slot *p* into which the brush end *q* of a toothbrush is inserted, as shown in Fig. 3 beneath the discharge end of the container. This construction not only provides a means for supporting the toothbrush when it is desired to discharge a certain amount of paste or cream upon the bristles of the brush, but also forms a per-

manent support for the brush when not in use.

The objection to some of the tooth paste and toilet cream holders which have been heretofore devised, has been that they are more or less complicated, or have too many moving parts, or are too expensive to be sold at a small price, which will induce the public generally to purchase the same and install them in a bathroom or other suitable place as a part of their toilet equipment. In my construction and arrangement, the only part separate from the holder is the rod for receiving the flattened end of the container and winding up the same; the mouth end of the container being held against swinging outward by means of the comparatively sharp impinging edges forming the engaging slot for the neck of the container.

The receptacle or chamber formed below the discharge end of the container, in addition to holding the bristle end of the toothbrush, also prevents tooth paste or toilet cream from dropping on the floor or on the clothes of the user of the device, and also enables a person who might be so unfortunate as to have only one hand, to operate the device in discharging tooth paste on the bristles of the brush which is held in place without any manual means, as the rod or tube *i* is revolved to discharge the paste or cream on the brush.

It will be observed that the holder has no sides or back walls and only a front wall, which simplifies and cheapens the cost of construction; also that the paste or cream container is held in position at its inverted upper end, simply by the revolving rod or key and that no back wall is necessary to support and guide said winding means.

Having now described my invention, what I claim is new and desire to secure by Letters Patent is:

A holder for collapsible tube containers consisting of a strip of sheet metal bent into substantially U shape having the legs bent outwardly into a plane spaced from and parallel with the part connecting the legs and the end of one leg bent back parallel with but spaced from the main part of said leg and its end bent up to lie substantially in the plane of the part of the strip connecting the legs, said part connecting the legs, having a longitudinal slot cut therefrom, said leg whose end is bent backwardly having a slot detent cut therefrom, and said upturned part of that leg, having a slot detent cut in from its end edge and a slotted key member slidable in the slot in the part connecting the legs as specified.

In testimony whereof I affix my signature.

JAMES H. LODGE.