This invention relates to toothpaste and brush compacts and has for an object to provide a device of this character which is divided into respective compartments for a folding brush and a collapsible toothpaste tube, by spaced and longitudinally extending walls, the space between the walls being used as a guide for the flared end of a winding key for the expulsion of paste from the tube within the compartment.

A further object is to provide hooks and lugs in the paste tube compartment adapted for engagement with the rim of a dome-shaped tube carrier, the purpose of which is to center and hold the paste tube in proper position for the action of the winding key.

A further object of the invention is to provide a device of this character which will be neat and compact in form, which will be formed of a few strong and durable parts, which will not easily get out of order, and which will be inexpensive to manufacture.

With the above and other objects in view the invention consists of certain novel details of construction and combinations of parts heretofore fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing forming part of this specification,

Figure 1 is a front elevation of the compact.

Figure 2 is a longitudinal sectional view through the compact.

Figure 3 is a cross sectional view taken on the line 3—3 of Figure 2.

Figure 4 is a detail cross sectional view taken on the line 4—4 of Figure 2, showing the winding key without the paste tube applied thereto.

Referring now to the drawing in which like characters of reference designate similar parts in the various views, 10 designates the case of the compact which is substantially rectangular in cross section and is provided with a cover 11 which is hinged at the back longitudinal edge, as shown at 12, to the rear wall of the case and which is provided with a spring hook 13 on the front longitudinal side adapted to engage over a projection 14 on the case and lock the cover closed. A mirror 15 is secured to the front wall of the case by means of a frame 16.

A longitudinal division wall 17 divides the casing into a tooth brush receiving compartment 18 and a paste tube receiving compartment 19, there being guide elements 20 on one side of and parallel to the division wall to coact with the division wall in forming a guide slot to receive the flared end 21 of a winding key 22 having a slot 23 therein to receive the bottom of a toothpaste tube 24.

The end wall 25 of the case opposite the guide members 20 is deformed inwardly to house the knurled button 26 of the key, the deformed portion being provided with a longitudinal slot 27 to slidably receive the key and permit of the key being rotated and advanced longitudinally of the case between the guide members and in the slot to wind up the paste tube and eject the toothpaste.

The hooks 28 are disposed at intervals on the walls of the case at the upper end thereof to receive projections 29 which extend downwardly from the rim of a frusto-conical collar or tube carrier 30. The collar is provided with a threaded opening of sufficient diameter to receive the threaded spout 31 of the tube below the cap 32 of the tube. When the cap is removed the collar 30 or tube carrier by reason of its engagement with the threaded spout of the tube will hold the tube stationary so that the operator may wind the key to roll up the lower end of the tube and thereby squeeze the contents from the tube.

The compartment 38 is of sufficient magnitude to receive a folding or other collapsible toothbrush, shown in Figure 2. In this form of toothbrush the handle is formed of two sections 33 and 34 which are hingedly connected together by a hinge pin 35. The section 34 of the handle is provided with a ferrule 36 which carries the hinge eyes which receive the hinge pin, and the section 34 is also equipped with a ferrule 37 which carries hinge eyes which receive the pin 35. The first mentioned ferrule 36 is provided with a finger 38 which is adapted to lie along the ferrule 37 when the section 34 is rocked into alignment with the section 33. A locking ring 39 may then be slid over the finger 38 to lock the same in place to hold the sections in aligned position.

To replenish the paste supply in the toothpaste compartment 19 the collar or tube holder 30 may be removed from the case whereupon the exhausted tube may be unwound from the key which is of course at this time at the upper end of the guides 20 and the slot 27 in the case.

Thereupon the bottom of a fresh tube will be inserted in the slot 23 of the key. The collar 30 may now be screwed onto the threaded spout of a fresh tube and the key 22 may now be moved
downward in the case until the rim of the collar seats upon the shoulder 48 formed at the upper end of the depressed slotted portion of the case, as shown in Figure 2, and upon the upper ends of the guides 50, as also shown in this figure. Care must be taken to insert the projections 28 of the collar in the hooks 26 so that the tube will be properly centered in the compartment.

From the above description it is thought that the construction and operation of the invention will be fully understood without further explanation.

What is claimed is:

1. A compact comprising a case, a cover therefor, a wall in the case, guide elements parallel to and cooperating with the wall to form a guide slot, a winding key slidably received in said guide slot and guided thereby to slide longitudinally of the case, there being a slot in the key, there being a longitudinal slot in the case slidably receiving the key, a toothpaste tube having the lower end engaged in the slot in the key and windable upon the key, and a dome-shaped collar removably disposed in the last named compartment engaging the top of the tube and holding the tube stationary.

2. A compact comprising a case, a wall in the case, guide elements parallel to and cooperating with the wall to form a guide slot, a winding key slidably mounted at the ends in said guide slot and in a slot formed in the case, a toothpaste tube having the lower end engaged in a slot in the key and windable upon the key, a collar in the last named compartment above the key engaging the tube to hold the tube stationary, and interlocking hooks and lugs in the said compartment adapted to engage the rim of the collar and center the toothpaste tube in the compartment.

3. A compact comprising a case, a hinged cover therefor, a wall in the case, guide elements parallel to and cooperating with the wall to form a guide slot, a key slidably mounted in said guide slot and in a longitudinal slot formed in the case, a toothpaste tube having the lower end engaged with and windable upon the key, said tube having a threaded neck, and a dome-shaped collar removably secured in the toothpaste compartment and having a threaded opening engaging the threaded neck of the tube to hold the tube in proper position for the action of the winding key.

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