

No. 793,259.

PATENTED JUNE 27, 1905.

C. W. WILSON.
POCKET DENTIFRICE HOLDER.
APPLICATION FILED FEB. 15, 1904.

Fig. 1-

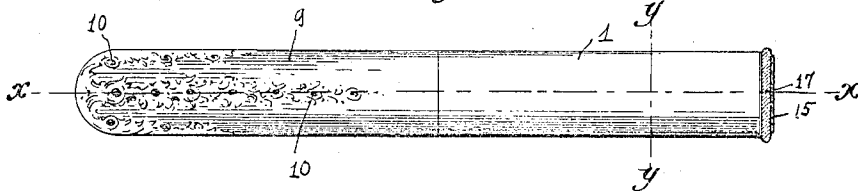


Fig. 2-

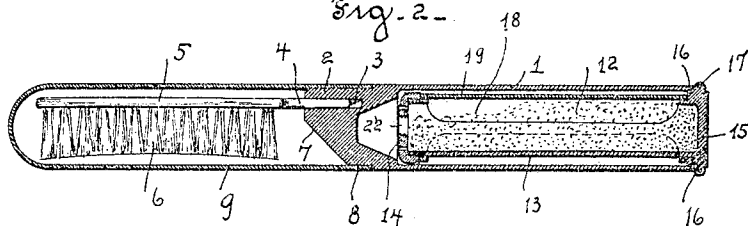


Fig. 4-

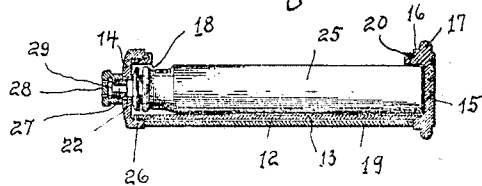


Fig. 3-

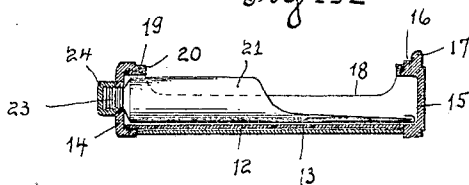


Fig. 6-

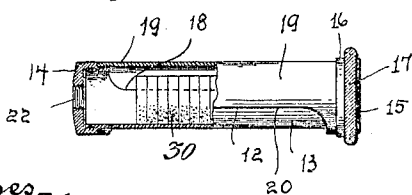
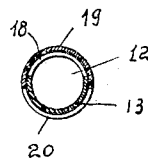


Fig. 5-



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UNITED STATES PATENT OFFICE.

CHARLES W. WILSON, OF TOLEDO, OHIO.

POCKET DENTIFRICE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 793,259, dated June 27, 1905.

Application filed February 15, 1904. Serial No. 193,508.

To all whom it may concern:

Be it known that I, CHARLES W. WILSON, a citizen of the United States, residing at No. 650 Spitzer Building, Toledo, Lucas county, Ohio, have invented a new and useful Improvement in Pocket Dentifrice-Holders, of which the following is a specification.

My invention relates to a pocket dentifrice-holder, and has for its object to produce a neat and convenient pocket article of the kind preferably having an inclosable tooth-brush at one end and a removable dentifrice-holder at the opposite end; and a further object is to so construct the dentifrice-holder that dentifrice in the form of powder, paste, liquid, or tablets may be readily stored therein convenient for use.

The objects of my invention are accomplished by constructing a holder of the kind as hereinafter described, and illustrated in the drawings, in which—

Figure 1 is a side elevation of my invention assembled for carrying in the pocket. Fig. 2 is a longitudinal section on the line X X, Fig. 1, and showing the removable holder arranged for dentifrice in the form of powder. Fig. 3 is a like view of the holder arranged to house a collapsible tube containing dentifrice in paste form. Fig. 4 is also a longitudinal section through the holder, showing inserted therein a vial containing dentifrice in liquid form. Fig. 5 is a cross-section through the holder on line Y Y of Fig. 1; and Fig. 6 is a side elevation of the holder, partly in section, showing tablets stored therein.

My invention comprises a tubular casing 1, having one end closed and the other end open, and a tubular holder adapted to be telescopically inserted in the bore of the casing and frictionally held therein. When combined with a tooth-brush, the casing 1 forms a handle for the brush, as shown in Fig. 2, the casing being plugged at the end 2, which is provided with a bore 3 to receive the shank 4 of the brush-back 5, the axis of the bore 3 being parallel with the axis of the bore of the casing and so offset therefrom that when the shank of the brush is secured in the bore 3 the brush-back 5 and the bristles 6 are extended from the plugged end 2 opposite the bore of the casing and within the lines of the

bore extended. The bore 3 and the brush-shank 4 are coincidentally tapered to permit the brush-shank being fitted closely in the bore to secure the brush to the casing as a handle for using the brush and still permit the brush when worn being withdrawn and a new brush substituted. The plugged end 2 is also formed with a bevel 7, adapted to taper the end 2 across the plane of the bristle-tips toward the brush-back, so that the brush may be freely used without interfering with the lips. The plugged end 2 is preferably reduced in diameter to form a tenon 8 to frictionally receive thereon flush with the body portion of the casing the open end of the shell-like cap 9. The cap is adapted to house the brush and is provided with a plurality of vent-apertures 10, which are arranged as features of suitable ornamentation of the cap. The bore of the tubular casing 1 is of a size to receive therein a dentifrice-holder 12.

The holder comprises a shell 13, which is closed at one end by a head 14, removably threaded to the end of the shell, and is of a diameter adapting the shell to be freely inserted within the bore of the casing, and at the opposite end the shell is closed by an integral head 15, provided with an offset shoulder 16, upon which the open end of the tubular casing 1 may be received and be frictionally engaged therewith. The head 15 is also provided with a rim portion 17, having a diameter greater than the end of the casing to form a convenient grip for withdrawing the shell from the casing. The barrel of the shell is provided with an incut 18, which extends for a suitable distance between the head 14 and the shoulder 16, and in depth the incut 18 extends nearly half-way into the barrel portion of the shell. Upon the shell 13 is rotatably mounted a sleeve 19, which is of a length to extend from the head 14 to the shoulder 16 and is also provided with an incut 20 of a length and depth equal to the incut in the shell 13. By turning this sleeve to dispose its incut 20 diametrically opposite to the incut 18 in the shell the margins of the respective incuts are brought into lapping position, and in this position the shell and the stem together form a receptacle in which powdered dentifrice may be readily carried, and to prevent

rotation when the sleeve is used to close the incut in the shell the head 14 is run a distance upon the threaded end of the shell to compress the sleeve between the head 14 and the shoulder 16.

The holder-shell 13 is of a length to receive between the heads 14 and 15 a collapsible tube 21, containing dentifrice in paste form, and when the holder 12 is thus used the sleeve 19 is turned upon the shell 13 to bring the incuts into coincidence, forming thereby a suitable opening, through which the tube is exposed and through which the walls of the tube may be forcibly collapsed by the pressure of the thumb or a finger. The paste-tube is inserted into the shell by removing the head 14, which is provided with a centrally-disposed orifice 22 of a size to receive the neck 23 of the tube, which is projected through the orifice from the inside of the head. The orifice may be also threaded to engage the threaded neck of the tube, and when thus coupled to the head 14 and the tube is inserted into the shell of the holder the head 14 is run upon the open end of the shell to lock the tube within the shell 13. The threaded neck 23 of the paste-tube is of a length to project outward from the head, and the closure-cap 24 of the tube may be optionally run thereon. In like manner the shell 13 may be used to inclose a vial 25, containing liquid dentifrice, in which instance the vial is corked with a squirt-head 26, having a threaded neck 27, which is provided with a perforated screw-cap 28, adapted when run upon the threaded neck to compress a gasket 29, interposed between the cap and the neck, and thereby close the outlet. The vial thus equipped (after removing the cap 28 from the vial and the head 14 from the shell 13) is inserted in the shell 13 with the neck 27 outward, and the head 14, with the neck 27 projecting through the opening 22, being then run upon the end of the shell 13 until the bottom of the vial abuts against the shell-head 15 the squirt-head is secured against detachment from the vial. In this position by running the closure-cap 28 on the neck 27 the vial is closed against leakage. By partially removing the cap 28 the contents of the vial may be shaken in drops upon the tooth-brush, and by turning the sleeve upon the shell until the incuts register the quantity of liquid within the vial may be readily observed without removing the vial from the shell.

A vial or a collapsible tube containing dentifrice or other medicine may be readily carried in the holder and protected against injury by turning the sleeve to close the incut in the shell. The holder may also be used for tablets 30, and when so used to extract the tablets the sleeve is turned to register the incuts 18 and 20, through which the tablets may be readily removed.

It is thus apparent that I have provided a holder adapted to store dentifrice in various

forms convenient for use, and when combined with a housable tooth-brush a convenient pocket article of the kind is produced. The holder may be also used when detached from the brush for safely carrying other medicine in the pocket or a satchel.

What I claim is—

1. In a pocket dentifrice-holder, the combination with a casing having a socket-bore, of a holder adapted to be housed in the bore of the casing, said holder comprising a shell provided at its inner end with a detachable perforated head, and at the outer end with an enlarged head adapted to limit the distance of insertion of the shell into the casing, and form a grip for withdrawing the shell therefrom.

2. In a pocket dentifrice-holder, the combination with a tubular casing closed at one end and open at the other of a dentifrice-holder adapted to be inserted within the casing, said holder comprising a shell having an enlarged outer head, and a detachable inner head provided with a reduced central opening, and a longitudinal incut through the wall of the shell extending between the heads.

3. In a pocket dentifrice-holder, the combination with a tubular casing closed at one end and open at the other, of a holder adapted to be inserted within the casing, said holder comprising a shell having a solid outer end portion of increased diameter, formed as a head and shoulder, a centrally-perforated head detachably threaded to the inner end, an incut through the wall of the shell between the detachable head and the shoulder, and a sleeve rotatably mounted on the shell extending between the detachable head and the shoulder, the sleeve of the shell being provided with an incut adapted to be brought into register with the incut of the shell by turning the sleeve on the shell and to be held against turning when compressed between the detachable head and the shoulder of the shell.

4. In a dentifrice-holder, in combination, a tube having one end closed and provided with a concentric shoulder, and having the opposite end open and externally threaded, the body of the tube being provided with a longitudinal slot through the wall of the tube, a sleeve rotatably mounted on the tube having a longitudinal slot adapted to be brought into register with the slot of the tube, a detachable end closure for the open end of the tube, adapted to be threaded thereon until the sleeve is compressed against the opposite end shoulder of the tube, and locked against rotation, said end closure being provided with a central opening of reduced bore.

In testimony whereof I have hereunto set my hand this 13th day of February, 1904.

CHARLES W. WILSON.

Witnesses:

F. S. MACOMBER,
J. J. DU KET.