B. E. LINFOOT.

COLLAPSIBLE TUBE.

APPLICATION FILED APR. 19, 1912. RENEWED DEC. 14, 1912.

1,069,796. Patented Aug. 12, 1913.

Fig. 1.

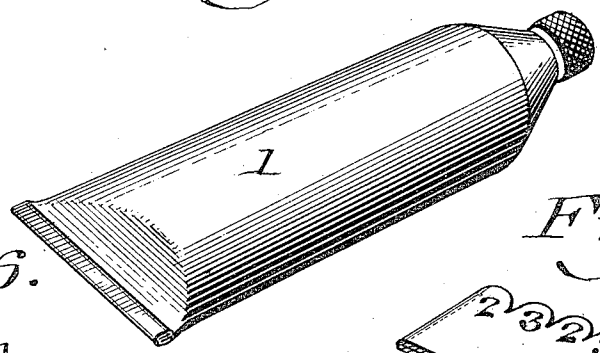


Fig. 6.

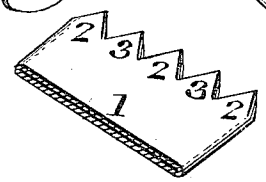


Fig. 7.

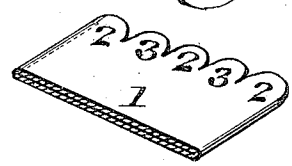


Fig. 2.

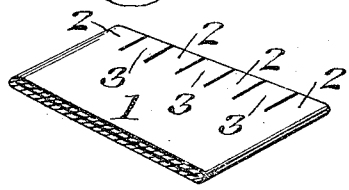


Fig. 3.

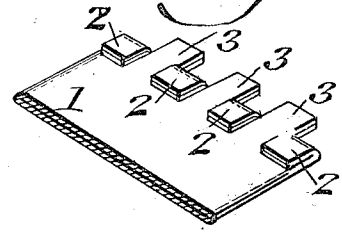


Fig. 4.

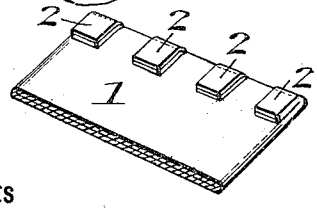
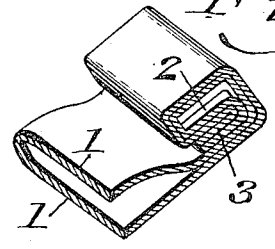


Fig. 5.



WITNESSES

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BENJAMIN E. LINFOOT, OF PHILADELPHIA, PENNSYLVANIA.

COLLAPSIBLE TUBE.

1,069,796. Specification of Letters Patent. **Patented Aug. 12, 1913.**

Application filed April 19, 1912, Serial No. 691,829. Renewed December 14, 1912. Serial No. 736,821.

To all whom it may concern:

Be it known that I, BENJAMIN E. LINFOOT, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Collapsible Tube, of which the following is a specification.

My invention consisis of a collapsible tube for containing pasty substances, such as paints, tooth pastes, shaving or similar toilet pastes, ointments or such substances, in which the end of the tube is securely closed to prevent the contents from leaking.

It further consists of other novel features of construction, all as will be hereinafter fully set forth.

The annexed drawings and the following description set forth in detail one mechanical form embodying the invention, such detail construction being but one of various mechanical forms in which the principle of the invention may be used.

In said annexed drawings—Figure 1 represents a perspective view of my improved collapsible tube. Fig. 2 represents a perspective view of the end of the slitted tube before it is folded. Fig. 3 represents a perspective view of said end with one half of the tongues bent back. Fig. 4 represents a perspective view of the end with all of the tongues bent. Fig. 5 represents a sectional perspective view of a portion of the closed end of the tube. ig. 6 represents a perspective view of the end of the tube illustrating the tongues as serrated. Fig. 7 represents a perspective view of the end of the tube illustrating the tongues as scalloped.

Similar numerals of reference indicate corresponding parts in the figures.

Referring to the drawings, the numerals 1 indicate the walls of the tube, which, as usual in such tubes, are flattened down, one upon the other. The ends of the flattened walls are longitudinally slitted to form apposed tongues, 2 and 3, which tongues are bent alternately to opposite sides, thus locking the walls together. The tube is thereupon folded, one or more times, back upon itself in the usual manner. By thus interlocking the tongues of the walls, the end of the tube is less liable to open under pressure than the plain doubled end of the usual collapsible tube, and the contents of the tube will not leak out. The tongues may be shaped differently from those formed rectangular, by longitudinally slitting the ends of the tube, such as illustrated in Fig. 6, where the tongues are shown as serrated, and in Fig. 7, where the tongues are shown as scalloped. The function of the tongues is the same as that of the rectangular tongues, and the tongues are in all cases alternately bent in opposite directions and then bent upon themselves in the usual manner.

Other modes of applying the principle of my invention may be employed for the mode herein explained. Change may therefore be made as regards the mechanism thus disclosed, provided the principles of construction set forth respectively, in the following claims are employed:—

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

1. A collapsible tube having the ends of its walls formed with apposed tongues bent in opposite directions and then doubled.

2. A collapsible tube having the ends of its walls formed with pairs of apposed tongues, each alternate pair bent in a direction opposite to the adjoining pair and then doubled.

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