

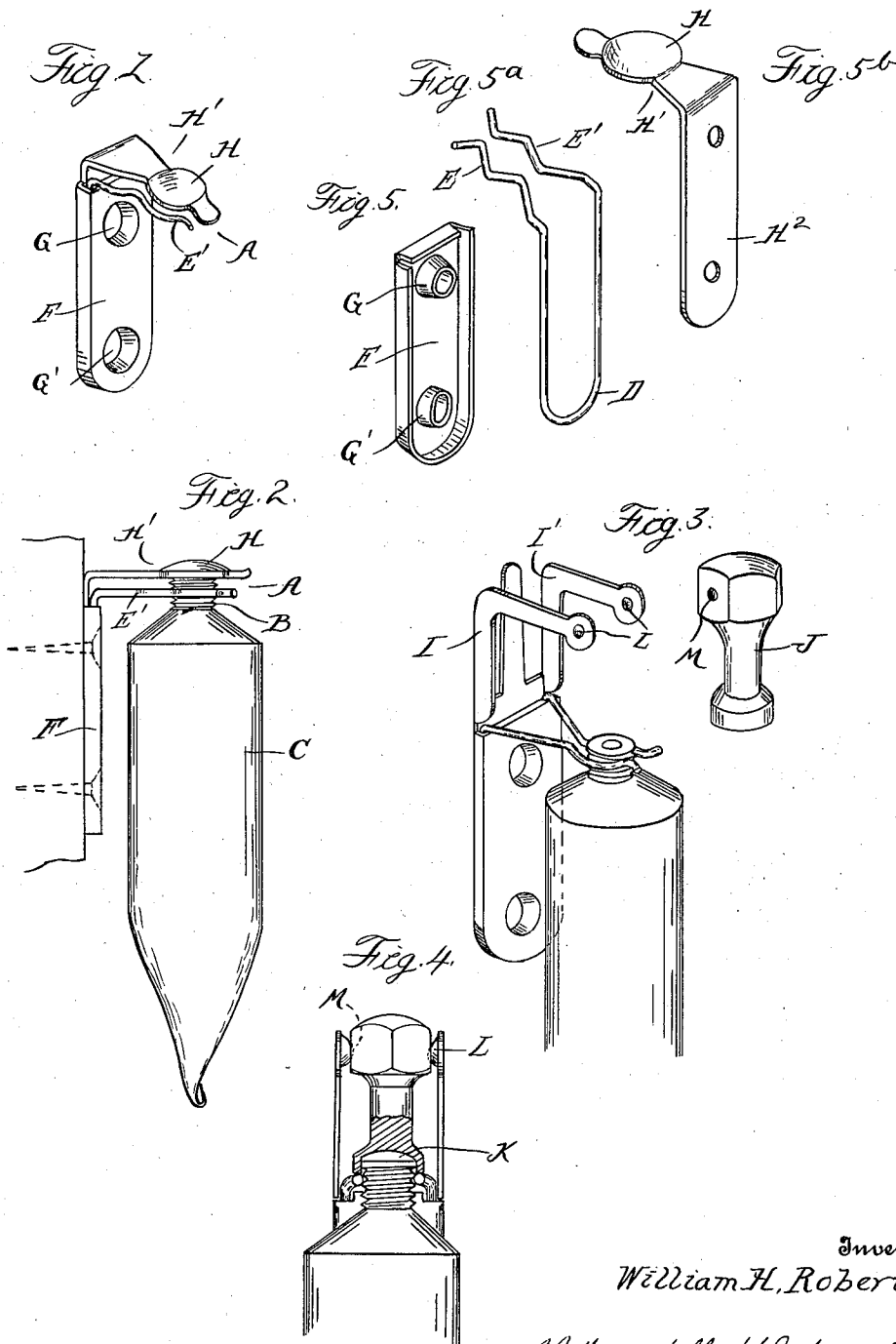
Apr. 24, 1923.

1,452,761

W. H. ROBERTS

COLLAPSIBLE TUBE HOLDER

Filed Aug. 8, 1921



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UNITED STATES PATENT OFFICE.

WILLIAM H. ROBERTS, OF DETROIT, MICHIGAN, ASSIGNOR TO DETROIT STAMPING COMPANY, OF DETROIT, MICHIGAN, A CORPORATION OF MICHIGAN.

COLLAPSIBLE TUBE HOLDER.

Application filed August 8, 1921. Serial No. 490,463.

To all whom it may concern:

Be it known that I, WILLIAM H. ROBERTS, a citizen of the United States of America, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Collapsible Tube Holders, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates to holding clips and is particularly designed for use in the holding of collapsible tubes such as are used for tooth paste and other plastic materials. It is the object of the invention to not only hold the tube, but also to close the same and to avoid the necessity of removing and replacing the usual screw cap. To this end the invention consists in the construction as hereinafter set forth.

In the drawings:

Figure 1 is a perspective view of the holder clip;

Figure 2 is a side elevation thereof;

Figure 3 is a perspective view showing a modified construction, the closure cap being shown detached;

Figure 4 is a sectional front elevation of Figure 3 with the parts assembled;

Figures 5, 5^a and 5^b are perspective views of the several parts of the construction shown in Figure 1.

Collapsible tubes for containing various plastic materials are usually formed with a screw-threaded nipple at the discharge end, which is closed by a correspondingly threaded cap. To avoid the necessity of removing and replacing the cap each time material is taken from the tube, I have provided a clip or holder A for forming a clamping engagement with the nipple B of the collapsible tube C. This clip as shown is formed of a bent resilient wire having a U-shaped portion D and crimped laterally-extending fingers E and E'. The U-shaped portion D preferably engages a sheet-metal stamping F which has a flanged edge corresponding in shape to the U and countersunk apertured portions G and G' for engaging securing screws. H is the closure for the tube, which as shown in Figures 1 and 2, is formed of sheet metal having an outwardly projecting portion H' and a base portion H², this being apertured in registration with the apertures G and G' to engage the securing screws.

The modified construction shown in Fig-

ures 3 and 4 is provided with a closure cap which may be removed from the clip to permit of cleansing. With this construction the back plate H² has upwardly and outwardly extending portions I and I' for clamping a cap member J, which latter is recessed at K to engage the upper end of the threaded nipple. The members I and I' are provided with inwardly projecting points L that engage apertures M in the cap and hold the same from accidental displacement.

With both the constructions described the tube may be easily withdrawn from the clip and re-engaged to the same and while held suspended will have the apertured end thereof closed by the cap so as to prevent hardening of the contents.

What I claim as my invention is:

1. A holder for collapsible tubes comprising a member formed of resilient wire having a U-shaped portion and laterally extending crimped arms for engaging the nipple of the tube, a sheet-metal stamping for engaging the U-shaped portion of said member and apertured for engagement with securing means, and a member detachably secured to said stamping for capping said nipple while in engagement with said crimped wire.

2. A holder for collapsible tubes comprising a clip for engaging the nipple of a tube to suspend the same, a member for securing said clip to the wall or stationary support, a bifurcated member projecting upward and outward from said securing member, and a cap for detachably engaging said bifurcated member and held thereby in sealing engagement with said nipple.

3. A holder for collapsible tubes comprising a sheet metal stamping apertured for engagement with securing means, a member having a portion engaging said stamping and provided with arms for engaging the nipple of the tube, and a member detachably secured to said stamping for capping said nipple while in engagement with said arms.

4. The combination with a tube having a nipple, of a holder comprising a clip having a U-shaped portion and fingers supporting said tube, a member for closing the aperture in said nipple, and means engaging the U-shaped portion of said clip and detachably supporting said member adjacent to said clip.

In testimony whereof I affix my signature.

WILLIAM H. ROBERTS.