(No Model.)

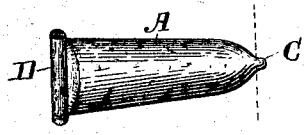
H. E. VAN HORNE.

COLLAPSIBLE TUBE.

No. 558,126. Patented Apr. 14, 1896.

FIG. 1.

FIG. 2.



ATTEST.

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COLLAPSIBLE TUBE.

SPECIFICATION forming part of Letters Patent No. 558,126, dated April 14, 1896.

Application filed May 8, 1895. Serial No. 548,505. (No model.)

To all whom it may concern:

Be it known that I, HERMAN E. VAN HORNE, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Collapsible Tubes; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to the art of collapsible tubes, and has for its object the production of a tube of this character to contain samples of liquids, paste, oils, &c., of the simplest and most economical construction possible, and which will at the same time permit of easy access to and complete discharge of its contents.

For the form and construction of this device reference is made to the accompanying specification and drawings, in which—

Figure 1 shows a preferred form of the tube in perspective before closing. Fig. 2 shows a view of the same filled and closed at the end ready for use.

This tube may be composed of any flexible and non-porous material, such as tin-foil or other thin soft metal, or it may be formed of any other substance possessing like properties, such as soft rubber or gelatin.

The preferred form of tube shown in Fig. 1 may be conveniently made by taking round disks of any of the substances above indicated and stamping or drawing them out by means of a die-plate, by which a large number can be made at the same time, though it is to be understood that I do not herein limit myself to any particular method of making, but claim, broadly, the article in whatever way the same may be manufactured.

The tube tapers gradually from the open end B to a point C. This point may be of any suitable form, either with a prolonged tip, as shown in the drawings, or cone-shaped and terminating in a fine point, or it may be rounded off more or less at the end.

After a suitable amount of the substance, whatever may be desired, has been introduced into the tubes, then the open end B is closed by pressing together the sides, which are then rolled tightly together until the substance is pressed compactly into the tube and completely fills the same. In the form of invention shown the end is closed by rolling the two sides, as above stated, and in doing this a piece of wire of suitable width may be used upon which to form the roll, or any other approved method of closing the end may be employed, as by seaming the same, or otherwise.

In order to remove the contents, the end C is cut off at the point shown by dotted line in Fig. 2 and the tube pressed together from the other end, the same as in other forms of collapsible tubes.

If the end C is rounded, then the end may be punctured to form a hole of sufficient size for the contents to flow out.

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

A collapsible tube formed integrally of flexible non-porous material having one end tapered and drawn to a point which is adapted to be cut off to allow the inclosed substance to exude, in combination with the wire over which the other end of the tube is adapted to be folded and seamed, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

HERMAN E. VAN HORNE.

Witnesses:

F. GAISSERT,

WM. F. SHERMAN.