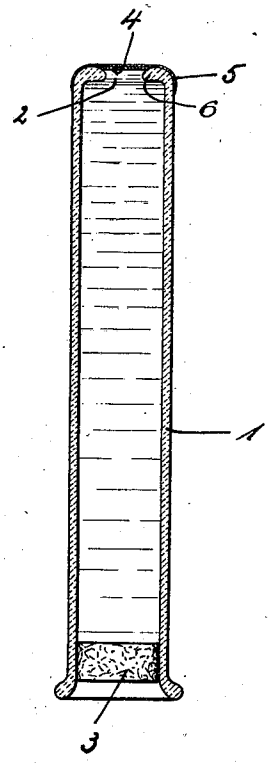
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TUBULAR CONTAINER FOR VISCOUS MATERIALS

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Inventor:

Albert Hirth

by Kenichaers

Atty.

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# UNITED STATES PATENT OFFICE

ALBERT HIRTH, OF NONNENHORN-ON-THE-BODENSEE, GERMANY

## TUBULAR CONTAINER FOR VISCOUS MATERIALS

Application filed March 8, 1928, Serial No. 259,996, and in Germany March 11, 1927.

My invention refers to tubular containers for viscous and pasty materials, and has for its particular object to provide a container adapted for the dispensing of such materials which is simpler and more efficient and cheaper both in manufacture and arrangement than other containers hitherto used.

In the drawing affixed to this specification and forming part thereof a tubular container embodying my invention is illustrated diagrammatically by way of example.

In the drawing 1 is a glass tube fully open at one end, and partly closed at the other by a perforated bottom 6. A stopper 3 which may consist of paraffine or some other material closely fitting the inner wall of the tube is inserted in the open end of the tube and can be pushed farther into the tube in order to assist in expelling the contents through the hole in the bottom 6.

This hole is covered with a small disc 4 of paper, cardboard or some other suitable material, which may be impregnated with some suitable material to render it resistive against the contents of the tube and, if desired, to make it adhere to the outer wall of the tube surrounding the hole 2. 5 is a protective layer or coating consisting of a suitable lacquer, such as a collodium solution, this layer or coating being formed by dipping the bottom end of the tube with the disc 4 placed thereon into the solution. The protective film 5 which is thus formed is not only airtight but also impervious to water, oil and alcoholic solutions.

The bottom end of the tube with the hole 2 will thus be protected against soiling and against the entrance of germs, until the contents shall be expelled, which is effected by destroying the protective layer 5, removing the disc 4 and, if desired, pushing the stopper 3 further into the tube 1.

Preferably the capacity of the tube is so chosen as to hold the quantity of the contents which is required for single use.

If desired, the disc 4 may be dispensed with altogether, the film 5 thus forming the sole closing means.

Various changes may be made in the details disclosed in the foregoing specification without departing from the invention or sacrificing the advantages thereof.

I claim:—

1. Tubular container for dispensing viscous and pasty materials comprising a tube, a bottom at one end of said tube having a hole, a piston-like plug in the other end of said tube and a coherent film of liquid-tight cellulosic material extending across and sealing said hole.

2. Tubular container for dispensing viscous and pasty materials comprising a tube, a bottom at one end of said tube having a hole, a piston-like plug in the other end of said tube, a closing disc on the outer side of said bottom covering said hole and a coherent film of liquid-tight cellulosic material extending across and fixing said disc to said bottom so as to seal said hole.

In testimony whereof I affix my signature.

ALBERT HIRTH.