No. 883,533. PATENTED MAR. 31, 1908.

O. FROCHEUR.

BOTTLE STOPPER.

APPLICATION FILED JULY 29, 1907.

Fig. 1.

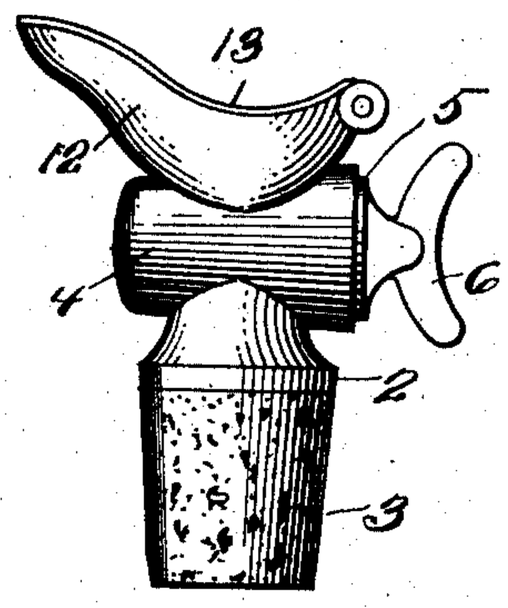


Fig. 2.

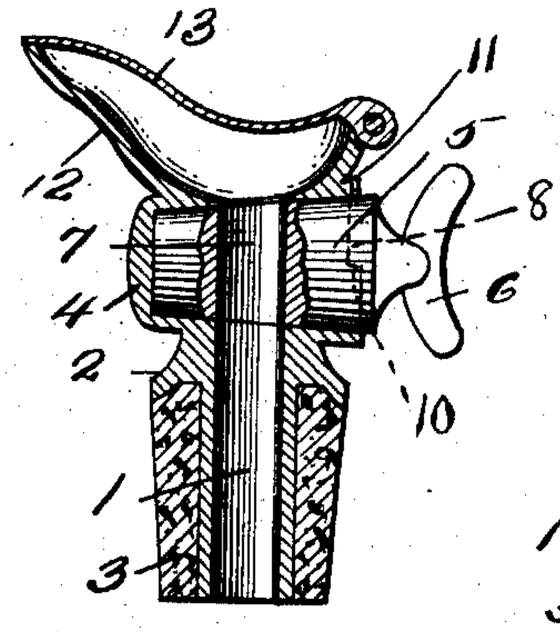


Fig. 3.

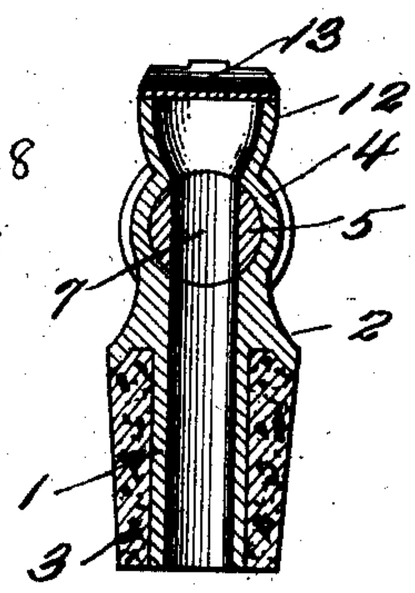
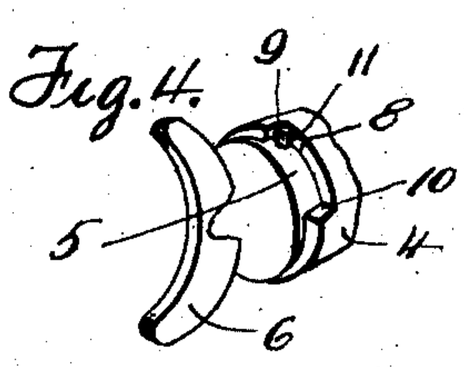


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

OLIVER FROCHEUR, OF CHARLEROI, PENNSYLVANIA.

BOTTLE-STOPPER.

No. 883,533. Specification of Letters Patent. Patented March 31, 1908.

Application filed July 29, 1907. Serial No. 386,018.

To all whom it may concern:

Be it known that I, OLIVER FROCHEUR, a citizen of the United States of America, residing at Charleroi, in the county of Washington and State of Pennsylvania, have invented certain new and useful Improvements in Bottle-Stoppers, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to bottle stoppers, and its primary object is, to provide a simple and inexpensive device of the character indicated which will serve as an effective closure for the mouth of a bottle or similar liquid receptacle, but permit the contents of the bottle to be readily decanted without removing the stopper.

A further object of the invention is, to provide a stopper with a pouring spout, to facilitate the discharge of liquid without liability of spilling.

The construction of the improvement will be fully described hereinafter, in connection with the accompanying drawing which forms a part of this specification, and its novel features will be defined in the appended claims.

In the drawing:—Figure 1 is a side elevation of a stopper embodying the invention, Fig. 2 is a vertical section of the same, Fig. 3 is a vertical section taken on a line at right angles to the section line of Fig. 2, Fig. 4 is a detail perspective of a portion of the stopper.

Referring to Figs. 1, 2, 3 and 4 the reference numeral 1 designates a tube provided at its upper end with an annular flange 2 the edge of which is downwardly inclined. The tube 1 is surrounded by a bushing 3 of cork, rubber, or like yielding material fitting below the flange 2. Surmounting the tube 1 preferably formed integral therewith, is a horizontal conical shell 4 closed at its smaller end and open at its opposite end to receive a conical plug valve 5, provided at its outer end with a thumb piece 6. The plug is formed with a transverse bore 7 adapted to be turned to register with the tube 1 when liquid is to be decanted. When the plug is turned to a position at right angles to that shown in Figs. 2 and 3 the upper end of the tube is closed. The shell 4 is formed with a slot 8 at its open end extending for a distance equal to one fourth of the circumference of the shell, thus providing shoulders 9 and 10 serving as stops for a pin 11 projecting from the plug to limit the movement of said plug to a quarter revolution in each direction. Above the shell 4 is mounted a spout 12 communicating with the bore 7 of the plug when the latter is in the position shown in the drawing. This spout is preferably provided with a hinged lid or cover 13 conforming in shape to said spout.

The utility and operation of the device constructed as thus described, will be readily understood. The cork bushing firmly secures the stopper within the mouth of the bottle, and when it is desired to decant the liquid, the plug 5 is turned by its thumb piece 6 to aline the bore 7 with the tube 1 after which the liquid will flow through the plug 7 to the spout 12.

It will be noted that by the employment of either form of the device, liquid may be discharged from a bottle without withdrawing the stopper.

Having fully described my invention what I claim and desire to secure by Letters Patent, is,

In a bottle stopper, a tube provided with a peripheral flange and having a bushing mounted thereon and engaged by said flange, a valve shell formed integral with the upper end of said tube, a valve fitting said shell and provided with a transverse bore, a handle carried by the valve and projecting beyond the shell for operating the valve, shoulders provided on the shell and a stop carried by the valve and engaging said shoulders to limit the rotative movement of the valve in either direction, a spout formed integral with said valve shell, and a hinged lid for said spout.

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

OLIVER FROCHEUR.

Witnesses:

JOS. G. GODISSART,

ALBERT HANUS.