Oct. 5, 1926. 1,601,829

G. W. HINKSON

CONTAINER

Filed Nov. 11, 1922

FIG. 1.

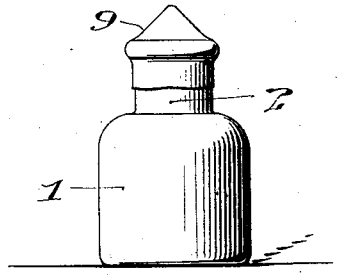


FIG. 2.

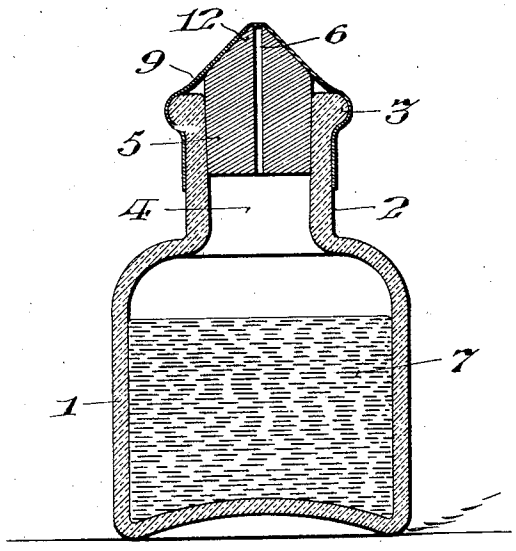
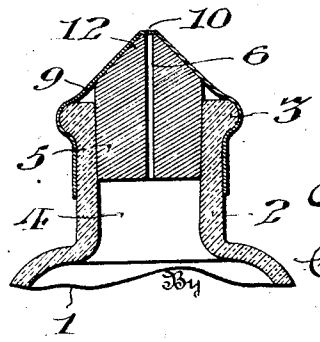


FIG. 3.



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UNITED STATES PATENT OFFICE.

GEORGE W. HINKSON, OF MEDIA, PENNSYLVANIA, ASSIGNOR TO THE S. S. WHITE DENTAL MANUFACTURING COMPANY, A CORPORATION OF PENNSYLVANIA.

CONTAINER.

Application filed November 11, 1922. Serial No. 600,199.

My invention relates particularly to mercury containers or holders from which the mercury may be dispensed in such small quantities as is required by dentists or other operators in making alloys for tooth fillings.

It is common practice to employ mercury dispensers of various designs and constructions, which must be refilled from time to time as the container becomes empty, from the bottles, vials, jugs or such receptacles as the manufacturer may supply for the transportation and sale of mercury.

The principal objects of my invention are to provide a mercury container of such simplified construction that it may be supplied by the manufacturer and serve both as a shipping vessel and as a dispenser, and be discarded when empty, thereby not only saving the expense to the operator of a separate dispenser but also saving the time required for refilling said dispenser.

Other objects of my invention are to provide a container with a stopper in the neck thereof, forming a dispensing nozzle, and to provide a jacket or cap for said stopper affording a seal to prevent the accidental escape of said mercury in transit, but capable of being readily punctured to permit said mercury to be expelled through said nozzle by shaking said container.

My invention comprehends a container having a seal that may be so punctured by the operator as to afford an opening, the area of which may be varied to the required needs or desire of the individual operator.

Specifically stated the form of my invention as hereinafter described comprises a container preferably made of glass in the form of a bottle having a neck, and provided with a stopper having a passageway therethrough, and having a conical termination forming a nozzle; said neck and stopper being covered with a film of suitable material forming a jacket or cap arranged to seal said stopper to prevent the accidental escape of the mercury, but being capable of puncture in registry with the passageway of said stopper to permit the contents of the container to be expelled therethrough.

My invention also includes all of the various novel features of construction and arrangement as hereinafter more definitely specified.

In the accompanying drawings Figure 1 is a side elevational view of a mercury container conveniently embodying my invention; Fig. 2 is a central vertical sectional view, on an enlarged scale, taken through the mercury container shown in Fig. 1, and Fig. 3 is a fragmentary central sectional view of the neck portion of the mercury container as shown in Fig. 2, showing the film cap punctured to permit the mercury contained therein to be expelled by shaking the container.

In said figures the container is preferably formed of glass or other transparent material suitable for containing mercury, and comprises the body or bowl 1, and neck 2, having the usual terminal bead 3, forming the lip. The mouth 4, extending through the neck may be closed by the stopper 5, having the passageway 6, extending centrally therethrough for the escape of the mercury 7, which may be contained in the bowl 1. As best shown in Fig. 2, the stopper 5, is retained in its position in the mouth 4, by a jacket or cap 9, which may be formed of a film of suitable material, placed thereon while in a moistened condition, and which when dried closely hugs the stopper 5, and the neck 2, as clearly shown.

As shown in Fig. 3, the jacket or cap 9, may be readily punctured by a pin or any other suitable means, to provide an orifice 10, therein in registry with the passageway 6, in the stopper 5. As will be readily observed, the orifice 10, may be made of any desired area to meet the requirements or desire of each individual dentist or operator.

While the stopper 5, may be made in any desired material or form, it may be best formed of cork, and its outer surface be provided with a substantially conical surface to afford a pointed nozzle 12, whereby the mercury ejected therefrom may be directed to a restricted area or spot.

It will be obvious that a mercury container formed as herein contemplated, greatly facilitates the use of the mercury, for the reason that the dentist or operator may utilize the original shipping container as a mercury holder or dispenser, and may discard the same when empty, thus avoiding unnecessary loss of time and expense.

I do not desire to limit my invention to the precise details of construction and arrangement as herein set forth, as it is obvious that various modifications may be made therein without departing from the

essential features of my invention as defined in the appended claim.

Having thus described my invention, I claim:—

A transporting and dispensing package comprising a container provided with a stopper tapered outwardly to form a restricted nozzle and having a bore extended therethrough through which the contents of said container may be dispensed, and an imperforate jacket or cap conforming to said tapered stopper and arranged to seal said bore while said container is being transported, and capable of being readily punctured in alinement with said bore to provide a free opening through said stopper, said restricted nozzle serving to indicate the exact position that said jacket may be punctured to register with said bore.

In witness whereof, I have hereunto set my hand this 10th day of November, A. D., 1922.

GEORGE W. HINKSON.