(No Model.)

T. W. F. ROWNEY.

DENTAL MOUTH TUBE.

No. 342,042. Patented May 18, 1886.

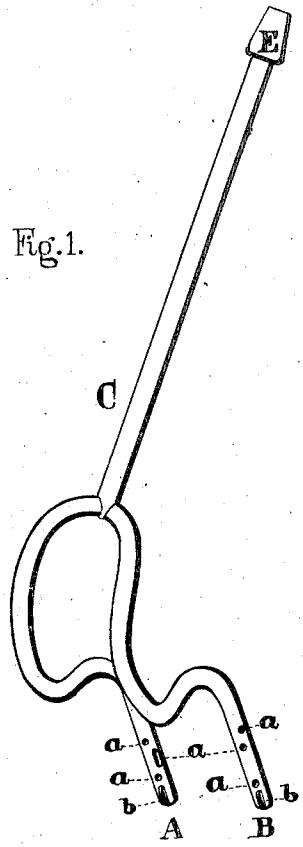


Fig. 1.

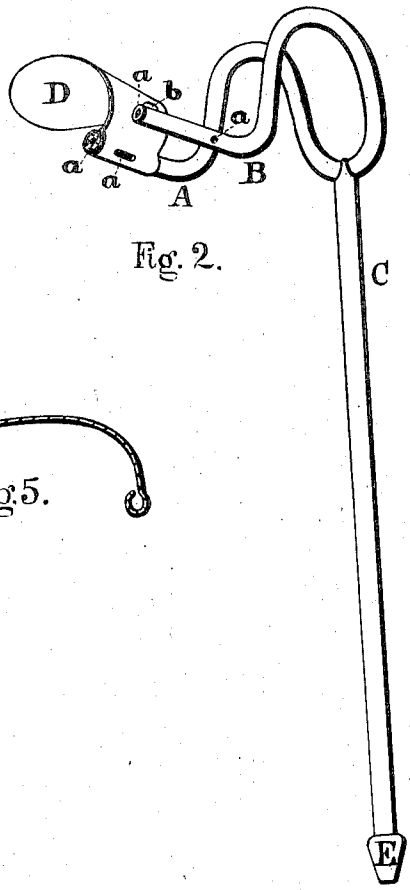


Fig. 2.

Fig. 5.

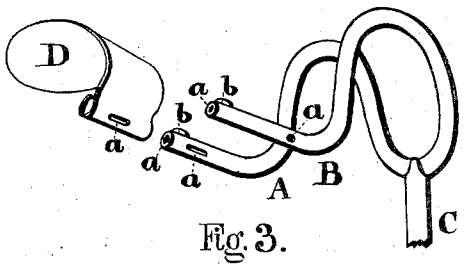


Fig. 3.

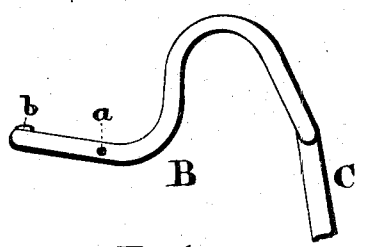


Fig. 4.

WITNESSES.

Augustus Byrom
George Bacon

INVENTOR.

Thomas Walter Faraday Rowney

UNITED STATES PATENT OFFICE.

THOMAS WALTER FARADAY ROWNEY, OF DERBY, COUNTY OF DERBY, ENGLAND.

DENTAL MOUTH-TUBE.

SPECIFICATION forming part of Letters Patent No. 342,042, dated May 18, 1886.

Application filed March 8, 1886. Serial No. 194,389. (No model.)

To all whom it may concern:

Be it known that I, THOMAS WALTER FARADAY ROWNEY, a subject of the Queen of Great Britain, residing at Derby, in the county of Derby, have invented a new and useful Mouth-Tube for Saliva-Ejectors for Dental and other Purposes, (for which I am applying for a patent in this country at the present time,) of which the following is a specification.

My invention relates to improvements in mouth-tubes for saliva-ejectors in which two tubular arms are employed of the form shown in the drawings, or of any other form to suit special cases, and also a tongue-depressor, which is attached to one of the tubular arms, so that it is detachable and reversible, that it may be placed on either arm, and thereby can be used in the mouth on either the right or left side, or the mouth-tube may be used without the tongue-depressor, according to requirements. I attain these objects by the instrument illustrated in the accompanying drawings, in which—

Figure 2 is a general view of the entire instrument. Fig. 1 is a view drawn from the instrument with its three terminals, A, B, and E, resting on a table, and showing arrangement of the holes and position of the stops *b b*. Fig. 3 shows the tongue-depressor detached, and also the relative position of its hole with the hole in the arms A and B. Fig. 4 shows the most suitable curve for the arms and position of the stem C. Fig. 5 is a section of the depressor D.

Similar letters refer to similar parts throughout the several views.

The instrument is a tube, C, with two or more branches or arms, A B, and a tongue-depressor, D. These may be of metal or glass or other material, such as hard rubber, usually known as "vulcanite" or "ebonite," or they may be a combination of metal and hard rubber or ebonite, but preference is given to metal, which may be gilded or silvered or nickeled, according to the wishes of the operator.

The instrument may be connected with the saliva-ejector by an elastic tube, which can be slipped over the swelling at the end of the stem at E. In use one arm is placed between the cheek and the lower teeth, the other within the jaw by the side of the tongue, with the depressor D resting on the tongue, the stop *b* preventing rotation from its pressure. The saliva is sucked through the holes *a a a* in the arms A and B by any arrangement of ejector which may best suit the operator.

The depressor D can be removed altogether or placed on either arm A or B, according to the side of the mouth on which the operator may be engaged.

The stem C may be straight or curved.

I am aware that prior to my invention mouth-tubes of one continuous tube or one arm only have been used; but

What I claim as my invention, and desire to secure by Letters Patent, is—

In combination with the two branches of a saliva-tube, a tongue-depressor adjustable on either arm, substantially as set forth, so that it may be used on either side of the mouth, all as and for the purposes set forth.

THOMAS WALTER FARADAY ROWNEY.

Witnesses:
AUGUSTUS BYRON,
GEORGE BEXSON.