

No. 815,041.

PATENTED MAR. 13, 1906.

P. F. RUTTERFORD.
INSTRUMENT FOR STOPPING TEETH.
APPLICATION FILED DEC. 23, 1905.

Fig. 1.

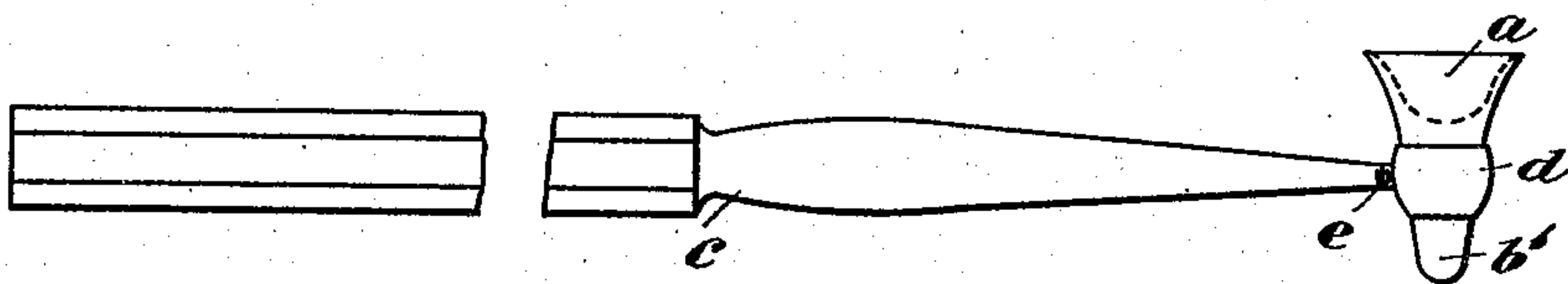


Fig. 2.

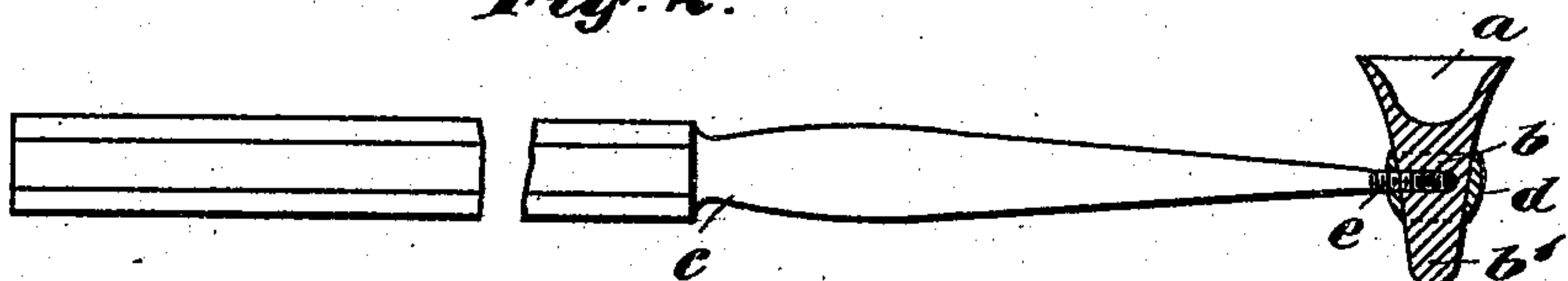


Fig. 3.



Witnesses.
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ATTYS

UNITED STATES PATENT OFFICE.

PERCY FREDERICK RUTTERFORD, OF LONDON, ENGLAND.

INSTRUMENT FOR STOPPING TEETH.

No. 815,041.

Specification of Letters Patent.

Patented March 13, 1906.

Application filed December 23, 1905. Serial No. 293,124.

To all whom it may concern:

Be it known that I, PERCY FREDERICK RUTTERFORD, a subject of the King of Great Britain, residing at London, England, have
5 invented a new and useful Improvement in Instruments for Stopping Teeth, of which the following is a specification.

In the practice of stopping teeth it is well known that in some cases it is difficult to
10 introduce the stopping material—such as an amalgam of gold, silver, or platinum, for example—into the cavity of the tooth which it is desired to stop. Instruments have been proposed and employed for this purpose in
15 which hollow cups made of elastic and flexible material and adapted to contain the amalgam have been employed for the purpose of introducing the latter into the tooth. Such hollow cups (usually provided with
20 parts formed in one with them for the purpose of pressing the stopping into the cavity of the tooth) are fixed at the end of suitable handles; but as these hollow cups and their presser parts are comparatively small and of
25 delicate construction the methods heretofore employed for fixing them to their handles have not been, so far as I am aware, quite satisfactory; and the object of my present invention is to provide improved means for
30 effecting this attachment. For this purpose I employ the means shown in the accompanying sheet of drawings, in which—

Figure 1 is an elevation, Fig. 2 an elevation, partly in section, and Fig. 3 a view taken
35 on a plane at right angles to Figs. 1 and 2, but with certain of the parts removed, of an instrument made in accordance with my present invention.

a is the hollow cup above mentioned, made
40 of india-rubber or other suitable elastic and flexible material and adapted to contain within it the piece of stopping intended to be placed in the cavity of the tooth. The lower part *b'* of the stem *b* of the cup *a* is

preferably shaped as shown in Figs. 1 and 2 45 and serves as the presser above referred to for pressing the stopping into the cavity of the tooth.

c is the handle, made of any suitable material, to which the cup and presser are fixed. 50

This fixing of the cup and presser is effected as follows: *d* is a ring, preferably conical on its interior surface, through which the stem *b* of the cup *a*, together with its prolongation *b'*, is passed, as seen most clearly 55 in Fig. 2. The front end *e* of the handle *c* has a screw-thread formed upon it and is screwed through a screw-threaded hole in one side of the ring *d* and into the stem *b* of the cup *a*. By this means the cup *a*, with 60 its presser part *b'*, is held securely in place, but can be easily removed from the handle *c* by unscrewing the latter from the ring *d*, and a fresh cup can then be put into the ring and secured therein by again screwing the handle 65 through the ring into the stem of the cup.

The prolongation *b'* of the stem *b* of the cup *a* may be dispensed with in cases where the presser is not required.

I claim— 70

In an instrument for stopping teeth in which a cup to contain the stopping is fixed to the end of a handle, the device for securing the cup to the handle, which consists of a ring *d* through which the stem *b* of the cup *a* 75 is passed and in which it is secured by the screw-threaded end *e* of the handle *c* passing through a screw-threaded hole in the side of the ring and into or through the said stem of the cup, substantially as described. 80

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

PERCY FREDERICK RUTTERFORD.

Witnesses:

WM. WALLACE WHITE,
JOHN A. PERCIVAL.