T. C. TRIGGER.

TOOTH SWAGE.

APPLICATION FILED JULY 17, 1909.

953,072. Patented Mar. 29, 1910.

FIG. 1.

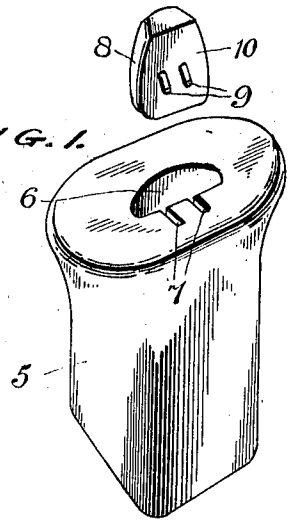


FIG. 2.

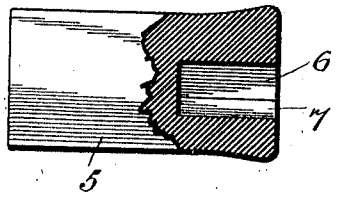


FIG. 3.

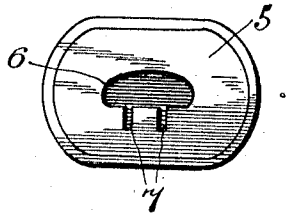
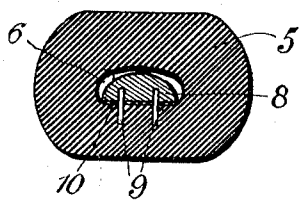


FIG. 4.



WITNESSES

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TOOTH-SWAGE.

953,072. Specification of Letters Patent. Patented Mar. 29, 1910.

Application filed July 17, 1909. Serial No. 508,196.

To all whom it may concern:

Be it known that I, THEODORE C. TRIGGER, a subject of the King of Great Britain, residing at St. Thomas, in the county of Elgin, Province of Ontario, and Dominion of Canada, have invented certain new and useful Improvements in Tooth-Swages, of which the following is a specification.

My invention is a tooth swage, used for swaging gold plate backing upon teeth in bridge-work, or crown work or other work to which the device is applicable, and my object is to provide a simple and inexpensive device which will be highly efficient for the purpose stated.

In the accompanying drawings, which illustrate my invention, and form a part of this specification, Figure 1 is a perspective view of my improved tooth swage, and a tooth ready for insertion therein. Fig. 2 is a side view thereof, partly broken away and in section. Fig. 3 is a front end elevation thereof, and Fig. 4 is a cross end section therethrough and through a tooth therein.

In accordance with my invention, I provide a tooth swage which comprises a body or member 5, composed of a soft compressible material, such as rubber, and its equivalents, and has in one end, a cavity 6, and parallel slots 7, which are spaced from one another and communicate with said cavity 6. Thus a tooth 8, having rearwardly outstanding spaced studs or pins 9, and provided with a backing of a thin sheet of gold pressed to the same over said pins, may be inserted within the cavity 6 of member 5, the pins 9 engaging slots 7 thereof and when the said body member is pressed either by squeezing between the fingers or hammering the same, the said gold backing will be firmly pressed against the tooth and shaped thereto.

It is obvious from the drawings that the device as a whole, owing to the upwardly and outwardly curved sides of the body portion 5, is especially adapted to be held between the fingers. It is also obvious that my swage is made of an integral piece of elastic material, and that the tooth is protected from being cracked or the like, upon all sides, and should the swage be dropped, the tooth within the same would be entirely protected.

By this operation, which takes place in the preparation of bridge-work or crown work, or work to which the device is applicable, no harm is done either to the tooth or the gold backing thereof.

Having fully described my invention, I claim:

A tooth swage of the character described, comprising elongated body portion having outwardly and upwardly spreading sides formed of a readily compressible and expansible material, said body portion being provided with a longitudinally arranged opening upon the enlarged end thereof, adapted to contain the tooth to be swaged, said opening being adapted to be readily closed during the swaging of said tooth when pressure is exerted laterally upon the upper portion of said body portion, whereby said tooth is entirely enveloped within said body portion, substantially as and for the purpose described.

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

THEODORE C. TRIGGER.

Witnesses:

MARGARET MCDONALD,

MELVIN BROWN.