

H. WESTON.  
DENTAL CAVITY-CAP.

No. 185,710.

Patented Dec. 26, 1876.

Fig 1

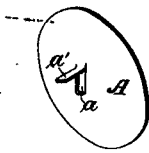
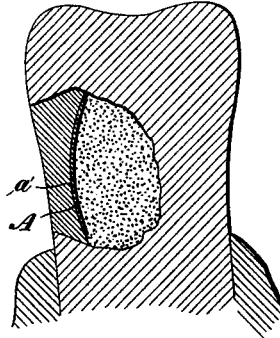


Fig 2.



Fig 3.



WITNESSES

*Wm a Skinkle*  
*J. Stick*

INVENTOR

*Henry Weston*

By his Attorneys.

*Baldwin, Hopkins & Peyton*

# UNITED STATES PATENT OFFICE.

HENRY WESTON, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO  
SAMUEL S. WHITE, OF SAME PLACE.

## IMPROVEMENT IN DENTAL CAVITY-CAPS.

Specification forming part of Letters Patent No. **185,710**, dated December 26, 1876; application filed  
October 24, 1876.

*To all whom it may concern:*

Be it known that I, HENRY WESTON, of the city and county of Philadelphia, and State of Pennsylvania, have invented certain new and useful Improvements in Cavity-Caps for Dental Purposes, of which the following is a specification :

In filling the cavities of natural teeth, to destroy the nerve by the use of medicinal preparations, or to preserve the nerve by the use of oxychloride of zinc or other plastic fillings, great difficulty has heretofore been encountered in gaging the quantity of the preparation, or of the filling to be used, in its insertion into the cavity, and in retaining and protecting the filling after its insertion.

The object of my invention is to obviate these difficulties, and to render the operation more easy, certain, and reliable, with a saving of time and patience to the operator, and of suffering to the patient, which ends I attain by the use of a cavity-cap of peculiar construction, as hereinafter particularly described.

In the accompanying drawings, Figure 1 represents a perspective view of a cavity-cap constructed according to my invention; Fig. 2, a central section through the same; and Fig. 3 represents a sectional view of a tooth with my improved cap inserted in a cavity therein.

A concave or cup-shaped disk, A, which may be of metal or any other suitable material, is provided, preferably near its center, with an aperture or opening, *a*, and on its convex or outer side with a lip or lug, *a'*, for convenience in handling. I prefer to construct these caps by stamping them from a strip of suitable metal—gold, for instance—a portion thereof being cut out to leave an opening, and bent backward to form the lug or lip.

In some instances I dispense with the opening in the cap, and secure the lug thereon by

brazing or riveting; but the construction shown is preferred.

In operation I select a cap of proper size, and handle it, by means of a pair of tweezers engaging with its lip or lug, and, after filling the cap with the preparation to be used, (which may be done by simply dipping it therein,) convey it and its contents into the cavity of the tooth, which should be made slightly undercut, or with retaining points. A gentle pressure will cause the surplus material to escape through the aperture in the cap, the lip of which may be then bent down to close said aperture, in order to permit of the insertion of another filling of different material upon the cap, if desired. The cap, however, may be removed, leaving the contents with which it was filled inserted in the tooth.

I am aware that cavity-caps, and like devices for protecting the nerves of teeth, have heretofore been suggested; but such devices do not possess the merits and characteristics of my invention; and, also, that a concavo-convex cavity-cap, to crown a cement filling, broadly considered, is not new.

I claim as of my own invention—

1. The dental cavity-cap hereinbefore described, consisting of a cup-shaped disk provided with a lip or lug on its convex side, for the purpose set forth.

2. The dental cavity-cap hereinbefore described, consisting of a cup-disk, with the central portion cut out and bent up to form a lug and leave an opening in the cap, for the purpose set forth.

In testimony whereof I have hereunto subscribed my name.

HENRY WESTON.

Witnesses:

J. A. B. WILLIAMS,  
F. L. HISE.