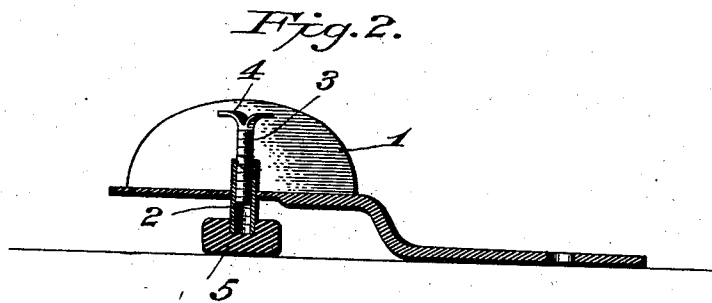
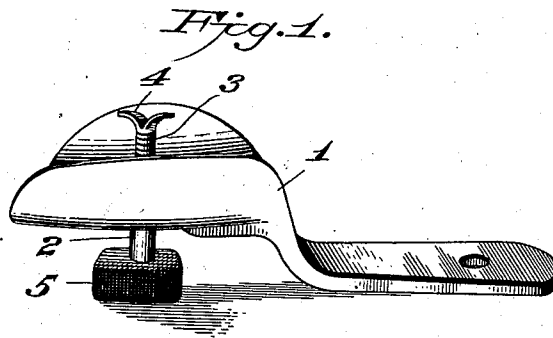


No. 702,645.

Patented June 17, 1902.

W. E. GRISWOLD.
DENTAL IMPRESSION CUP.
(Application filed July 28, 1900.)

(No Model.)



Witnesses
G. S. Elliott.
Geo. W. Ransom

Inventor:
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UNITED STATES PATENT OFFICE.

WILLIAM E. GRISWOLD, OF DENVER, COLORADO, ASSIGNOR, BY DIRECT
AND MESNE ASSIGNMENTS, TO GRISWOLD DENTAL BRIDGE COMPANY,
OF DENVER, COLORADO, A CORPORATION OF COLORADO.

DENTAL IMPRESSION-CUP.

SPECIFICATION forming part of Letters Patent No. 702,645, dated June 17, 1902.

Application filed July 28, 1900. Serial No. 25,171. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. GRISWOLD, a citizen of the United States, residing at Denver, in the county of Arapahoe and State of Colorado, have invented certain new and useful Improvements in Dental Impression-Cups; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to dental impression-cups or trays. Its object is to provide an instrument by which I can accurately determine the position the bridge is to permanently assume in place.

It consists, essentially, of an adjustable presser-rod or similar part cushioned and arranged to play in an ordinary impression-cup or tray, so that it will press home the saddle of the bridge into the soft tissues of the gum under the action of the jaw in biting.

In the accompanying drawings, Figure 1 is a view in perspective of a tray or impression-cup with my device located, and Fig. 2 is a vertical central section.

In the drawings, 1 represents a cup or tray. 2 is a hollow standard which receives a threaded free rod 3 with a yoke 4 at the top, and 5 is a rubber cushion in which rests the standard 2. It is obvious that the proper adjustment can be made by the threaded rod 3 and the hollow standard 2. The rubber cushion need have only an ordinary recess or cavity to receive the foot of the standard 2.

The device plays up and down easily through a perforation in the bottom of the tray or impression-cup.

In use I put in the cup, preferably, a three-minute plaster, so that there may be time to adjust in the mouth. I place the cup in position with the yoke 4 pressing against the saddle and the rubber 5 resting on the occluding teeth. I then have the patient bite

with considerable force, observing that all parts are correctly located and adjusted, and then force up the tray or cup containing the plaster or similar casting material. I thus secure an impression with the saddle forced against the soft tissues with all the force which will subsequently be used in mastication, an impression which enables me to secure an exact fit for the bridge.

I have termed the device which plays through the cup a "presser-rod" for convenience, the term being intended to cover any device working in conjunction with an impression-cup to force a saddle or similar part into the tissues of the mouth by the action of the jaw in biting.

It is obvious that mechanical changes in the presser-rod and its cushion may be readily made without departing from the principle of the invention.

Having fully described my invention, what I claim is—

1. The combination with an impression-cup, of a presser-rod, one end of the rod adapted to engage a saddle and the other end adapted to rest upon the opposite jaw to force the saddle into the tissues of the mouth by the action of the jaw in biting.

2. The combination with an impression-cup, of an adjustable presser-rod playing through the cup, one end of the rod adapted to engage a saddle and the other end adapted to rest upon the opposite jaw to force the saddle into the tissues of the mouth by the action of the jaw in biting.

3. The combination with an impression-cup, of a cushioned presser-rod playing through the cup for the purposes described.

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

WILLIAM E. GRISWOLD.

Witnesses:

WALTER F. ROGERS,
EDNA A. HUGHES.