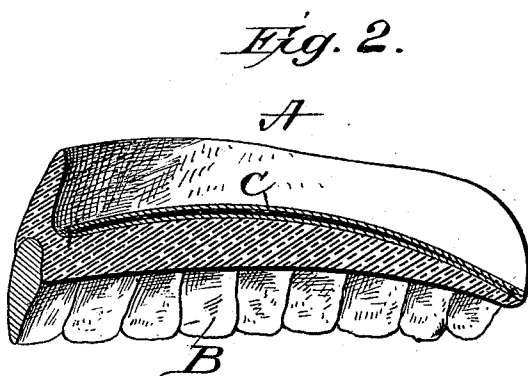
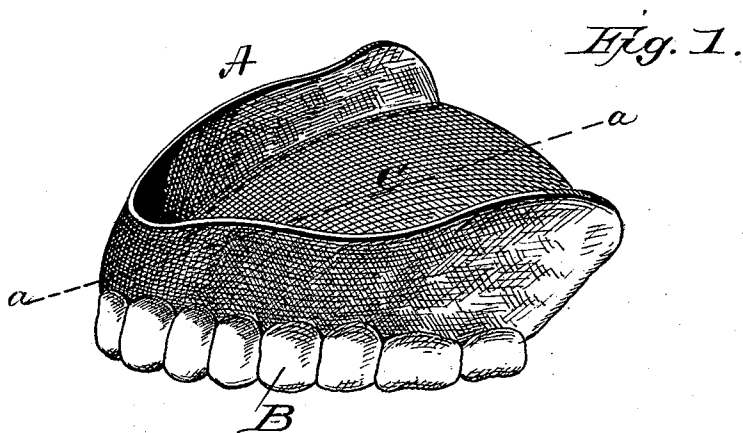


(No Model.)

J. C. STAPLETON.
ARTIFICIAL TOOTH PLATE.

No. 494,393.

Patented Mar. 28, 1893.



Witnesses
H. F. Eunis
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UNITED STATES PATENT OFFICE.

JOHN CHARLES STAPLETON, OF WASHINGTON, DISTRICT OF COLUMBIA.

ARTIFICIAL-TOOTH PLATE.

SPECIFICATION forming part of Letters Patent No. 494,393, dated March 28, 1893.

Application filed January 17, 1893. Serial No. 458,696. (No model.)

To all whom it may concern:

Be it known that I, JOHN CHARLES STAPLETON, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Plates for Artificial Teeth; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention has relation to artificial teeth plates, and more particularly to a novel means of securing the plate in place without the aid of a vacuum or clamps, clasps or the like, and the object of my invention is to provide a means for securing said plate in place in a comfortable, convenient and agreeable manner, without the hard rubber or metal coming in contact with and irritating the gums or roof of the mouth, and to these ends the novelty consists in the construction, combination and arrangement of the same as will be hereinafter more fully described and particularly pointed out in the claim.

In the accompanying drawings the same letters of reference indicate like parts of the invention.

Figure 1 is a perspective view of an upper set of teeth mounted on a plate and having my improved suction pad secured thereto, and Fig. 2 is a longitudinal section on the line *a-a* of Fig. 1.

A represents the plate proper, and it is provided with the teeth, B, which, of course, may be complete or only a partial set, as required. C is a flexible pad, preferably of silk or similar fibrous material, and it is secured to the top of the plate, A, by a stitching or a suitable cement, so that its upper face will come

into intimate contact with the roof of the mouth, so that, when moistened and suction applied to the same through the medium of the tongue and lips, the air is exhausted between the top of the plate, the pad and the roof of the mouth, thereby allowing the pad to intimately fit the roof of the mouth in a pleasant and comfortable manner and at the same time securely hold the plate in place, without having the metal or other material of which the plate may be made to come into contact with the mouth.

The material of which the plates are usually made is either a metal, such as gold, silver or platinum, or a substance like rubber or celluloid, and in many instances the hard material coming in contact with the tender parts of the mouth causes great discomfort and inconvenience, if not irritation and pain, all of which is obviated by the use of my soft, flexible pad.

The construction of pad itself and manner of securing it to the plate are matters which may be varied to suit individual cases without departing from the spirit of my invention, and in some instances I have found the device to work perfectly without even securing the pad to the plate.

Having thus fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent of the United States, is—

As an improved article of manufacture a dental plate having a smooth crown and provided with a suction pad corresponding in size and shape to the crown of the plate substantially as shown and described.

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

JOHN CHARLES STAPLETON.

Witnesses:

PERCY METZGER,
JOHN H. O'DONNELL.