

W. D. HOLBROOK.
Dental-Plate.

No. 213,820.

Patented April 1, 1879.

Fig. 1.

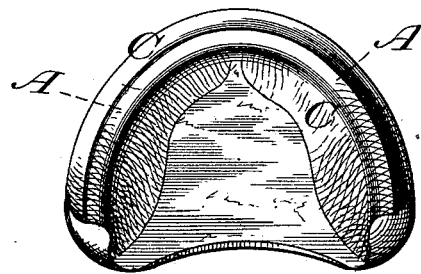
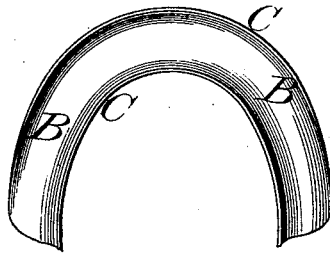


Fig. 2.

Attest:

*Eugene Tyler
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Inventor:

William D. Holbrook

UNITED STATES PATENT OFFICE.

WILLIAM D. HOLBROOK, OF WAUKESHA, WISCONSIN.

IMPROVEMENT IN DENTAL PLATES.

Specification forming part of Letters Patent No. **213,820**, dated April 1, 1879; application filed August 27, 1878.

To all whom it may concern:

Be it known that I, WILLIAM D. HOLBROOK, of Waukesha, in the county of Waukesha and State of Wisconsin, have invented certain new and useful Improvements in Dental Plates; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it pertains 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.

The object of my invention is to provide a device for more permanently securing the lower plate of an artificial set of teeth to the gums; and consists in providing that part of the plate in which the gums rest with a groove or air-space, by means of which, when the air is expelled, the plate is securely held in its place by atmospheric pressure.

A further object attained by the groove or air-space is in relieving the bony portion of the gums from direct contact with the plate, and thus allowing the plate to press against the more fleshy portions of the gums, whereby the teeth are used with much greater ease and comfort, all of which is further explained by reference to the accompanying drawings, in which—

Figure 1 represents an impression in plaster-paris. Fig. 2 represents a cast taken from the impression upon which my improved plate is formed.

B B in Fig. 1 represent an excavation or groove. *c c* represent the surface of the impression. A A in Fig. 2 represent the raised ridge of the cast on which the plate is formed. C C in Fig. 2 represent the surface-borders of the cast on which the plate is formed.

It is obvious that a plate formed upon the cast shown in Fig. 2 will have a groove corresponding with the ridge A. However, I do not limit myself to this peculiar device for forming said groove, as the same may be furrowed out after the plate has been constructed in the ordinary manner; but

What I do claim as new, and desire to secure by Letters Patent, is—

A lower dental plate furnished with an air-space running its whole length to permit the plate to rest lightly on the bone, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM D. HOLBROOK.

Witnesses:

ROBERT CRAWFORD,
C. S. HAWLEY.