

J. Dodge,
Mounting Artificial Teeth.
N^o 2,985. Patented Mar. 4, 1843.

Fig: 1

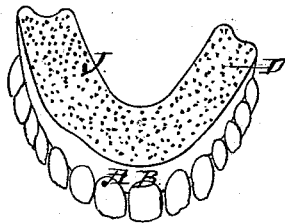
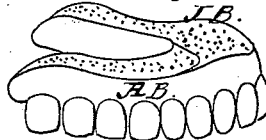


Fig: 4 Fig: 3.



Fig: 2.



UNITED STATES PATENT OFFICE.

JONATHAN DODGE, OF NEW YORK, N. Y.

SETTING ARTIFICIAL TEETH.

Specification of Letters Patent No. 2,985, dated March 4, 1843.

To all whom it may concern:

Be it known that I, JONATHAN DODGE, M. D., of the city and county of New York, in the State of New York, have invented a new, useful, and Improved Mode of Inserting and Affixing Artificial Teeth in the Human Mouth; and I do hereby declare that the following is a full and exact description.

10 The nature of my invention consists in providing for the insertion of artificial teeth, a base of gold, or other material which, when adapted and applied to the natural gum, shall be sustained by double attraction; that is by capillary attraction and the attraction of cohesion.

20 To enable others skilled in the art to make and use my invention, I here proceed to describe the construction and operation of the same, reference being had to the drawings herewith accompanying, making a part of this specification, in which—

25 Figure 1, exhibits in perspective a front view of a set of artificial teeth; Fig. 2, a lateral view of the same; Fig. 3, a section of the outer plate or surface to which the teeth are attached; and Fig. 4, a section of the inner plate or perforated surface to be applied to the natural gum.

30 I construct my base for the teeth of any of the known materials, gold, platinum or other metals; porcelain or other clays; hippopotamus or other bone. I adapt the inner surface of the base, as shown at J, D, Figs.

1 and 2, to the exact form of the natural gum, to constitute, when applied thereto in the mouth, cohesive attraction; I then penetrate the same surface with small perforations, see the same figures as before, to constitute capillary attraction, thus combining cohesive and capillary attraction and forming a double attraction plate or base. When the base is gold or other metal, it is convenient to make it of two or more plates of equal or unequal thickness, the outer, as shown at A, B, Fig. 2, and by section at Fig. 3, supporting the teeth; that is, the plate to which the artificial teeth are directly attached, being whole; the inner plate or plates as shown at J, D, Fig. 1, and by section at Fig. 4, being finely perforated and resting on the outer plate, so as to leave no space, air chamber or cavity wherein might be lodged food, mucus or other matter.

What I claim as my invention and desire to secure by Letters Patent is—

The application of double attraction, that is, the attraction of cohesion and capillary attraction, in one and the same base, for the purpose of inserting or affixing artificial teeth in the human mouth, as herein described, using for that purpose gold, or other substances which will produce the desired effect.

JONATHAN DODGE.

Witnesses:

BENSON J. LOSSING,

WM. H. BOGARDUS.