

A. Riggs,
Mounting Artificial Teeth,
Nº 1,674, *Patented July 3, 1840.*

Fig. 1

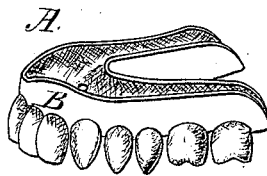
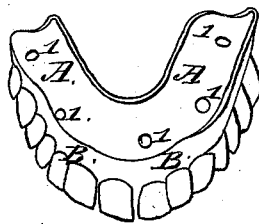


Fig. 2.



Witnesses

A. Crish
D. Gould

Inventor.

Alfred Riggs

UNITED STATES PATENT OFFICE.

ALFRED RIGGS, OF NEW YORK, N. Y.

IMPROVEMENT IN THE MODE OF ATTACHING ARTIFICIAL TEETH.

Specification forming part of Letters Patent No. 1,674, dated July 3, 1840.

To all whom it may concern:

Be it known that I, ALFRED RIGGS, of the city and county and State of New York, and a citizen of the United States, have invented or discovered a new and useful improvement in the making or manufacture of plates or bases for mounting artificial teeth, and which I denominate Atmospheric Suction Bases for Mounting Artificial Teeth; and I do hereby declare that the following is a full and exact description thereof, viz:

I form the plates or bases upon which the artificial teeth are to be fastened or mounted of two plates or parts closely united together at the edges, so as to be air-tight, and with a space, cavity, or hollow between the plates, the inner plate or one resting upon the gums being perforated with holes more or less in number, as the case may require, the space, hollow, or cavity between the plates being either continuous in the form of tube or divided into different apartments, to prevent the communication or passage of air from one hole to another, the inner plate which rests upon the gums being made to fit the gums in every part, the teeth being fastened on the outer plate or otherwise. The plates or bases being thus formed, when placed upon the gums are exhausted of air, in greater or less quantities, as may be necessary to produce or cause the required or proper adhesion by suction, inspiration of the lungs, or otherwise, thus

creating or causing a strong or powerful adhesion to the gums from the pressure of air from without, any ingress of air between the plates being prevented by the holes in the inner plate being closed by the gums. The plates or bases may be made of any metal or other substance suitable for the purpose of fastening or mounting artificial teeth upon.

I rest my claim to invention or improvement in the making or manufacture of bases or plates for mounting artificial teeth upon the making or forming them of two parts or plates closely united together at the edges, so as to be air-tight, with a space, cavity, or hollow between the plates, either continuous or divided into apartments, the inner plate, which rests upon the gums, being perforated with holes, more or less in number, through which the air is exhausted from the space, hollow, or cavity between the plates by suction or otherwise, thus causing the bases to adhere to the gums by the pressure of the atmosphere or air from without.

In testimony whereof I, the said ALFRED RIGGS, hereto subscribe my name, in the presence of the witnesses whose names are hereto subscribed, on the 6th day of February, 1840.

ALFRED RIGGS.

Witnesses:

A. CRIST,
D. GOULD.