(No Model.)

T. S. PHILLIPS.

ARTIFICIAL TOOTH.

No. 325,626. Patented Sept. 1, 1885.

Fig. 1.

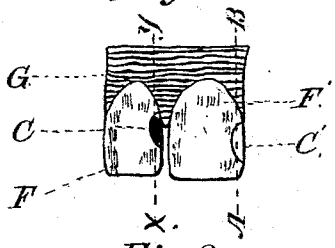


Fig. 2.

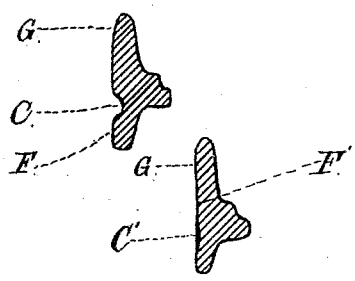
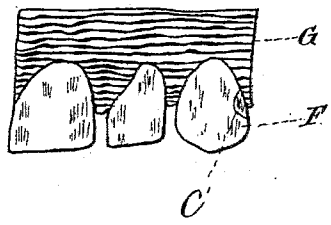


Fig. 3.

Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

THOMAS S. PHILLIPS, OF BUFFALO, NEW YORK, ASSIGNOR OF ONE-HALF TO WILLIAM F. STRASMER, OF SAME PLACE.

ARTIFICIAL TOOTH.

SPECIFICATION forming part of Letters Patent No. 325,626, dated September 1, 1885.

Application filed June 20, 1885. (No model.)

To all whom it may concern:

Be it known that I, THOMAS S. PHILLIPS, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented a new and useful Improvement in the Art of Manufacturing Artificial Teeth, of which the following is a specification.

In the accompanying drawings, Figure 1 represents two artificial teeth, one with a filling, C', and the other with a cavity, C. Figs. 2 and 3 represent cross-sections of F and G, and Fig. 4 represents the tooth F when coated by the process herein described and united with others and ready for market.

My invention relates to dentistry, and is an improvement in the art of manufacturing artificial teeth.

At present the only method known to manufacturers of artificial teeth for representing or imitating the gold filling in a natural tooth is to form a similar cavity in the artificial tooth and then fill that cavity with gold precisely as the natural tooth was filled, and the gold used and time employed is about the same as that required in filling the natural tooth.

Another consideration is that the artificial tooth when filled is frequently so weakened by reason of the cavity formed therein that it will break when used and thereby ruin a whole set.

Now, to save the time and labor employed and the gold used in filling a tooth, and to obviate the necessity of weakening a tooth by forming a cavity therein, is the object of my invention.

To accomplish these results, that portion of the surface of a tooth which it is desired should appear as having been filled with gold is coated or covered with a coating or layer of the prepared gold now so common in the manufacture of porcelain and china ware. The tooth after being thus coated is "baked" or "fired" in a manner similar to the baking or firing of the above-mentioned ware. In this manner the gold becomes incorporated with or adheres to the enamel of the tooth, so as to form a perfect imitation of and substitute for the gold filling now so common, and the trouble of forming a cavity or of filling it after it is formed is saved; besides, portions of a tooth which are too frail to be in fact filled may by this process be represented as filled and the strength of the tooth preserved.

What I claim, therefore, and desire to secure by Letters Patent, is--

The method herein shown and described for representing and imitating the gold filling in a natural human tooth, which consists in coating a portion of the surface of an artificial human tooth with liquid prepared gold, and then baking or firing the tooth, all as and for the purpose set forth.

THOMAS S. PHILLIPS.

Witnesses:
JOHN FALKNER, Jr.,
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