

(No Model.)

J. S. CAMPBELL.
ARTIFICIAL TOOTH.

No. 465,457.

Patented Dec. 22, 1891.

Fig. 1.

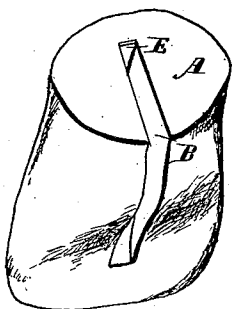


Fig. 4.

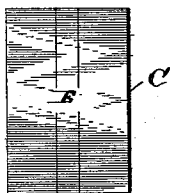
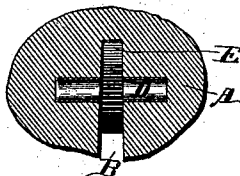


Fig. 2.



Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

JOHN S. CAMPBELL, OF LONDON, ENGLAND.

ARTIFICIAL TOOTH.

SPECIFICATION forming part of Letters Patent No. 465,457, dated December 22, 1891.

Application filed September 27, 1890. Serial No. 366,338. (No model.)

To all whom it may concern:

Be it known that I, JOHN S. CAMPBELL, of 10 Park Square, West Regent's Park, in the city of London, county of Middlesex, England, have invented certain new and useful Improvements in Artificial Teeth, of which the following is a specification, reference being had to the accompanying drawings.

My improvements relate to artificial teeth which are provided with narrow vertical slots on their lingual sides to receive the backing for securing them to a mouth-plate.

In the drawings, Figure 1 is a perspective view of a single tooth with a narrow vertical slot in its lingual side to which my improvements are applicable. Fig. 2 is a view of thin platinum plate, forming a blank, which may be used to make a tube to be applied to the tooth, open where it crosses the tooth-slot, and forming there the bottom of the slot. Fig. 3 shows a tube made from the blank, ready to be embedded in the plastic mass from which the tooth is to be formed. Fig. 4 is a horizontal section of the tooth, showing a platinum bottom to the slot and two tubular sections embedded in the tooth structure, all made of one piece of platinum.

A indicates the porcelain tooth, having a vertical slot B on its lingual side.

C indicates a plate, from which the tube D, open at E, is made. The flat part E forms the bottom lining of the tooth-slot, and the tubular ends D enter and are baked in the tooth structure. Separate tubes D and a separate slot-bottom lining E might be used, but there is great economy in making all of one piece, as described. Teeth made in this way can be manufactured and furnished to dentists ready to receive the backing to the best advantage for attaching them firmly and smoothly to a mouth-plate.

What I claim is—

A porcelain tooth with a vertical slot in its lingual side, with one continuous piece of platinum forming a covering for the bottom of the slot and two cylindrical ends baked into the tooth structure, as and for the purpose described.

J. S. CAMPBELL.

Witnesses:

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