

(No Model.)

J. O. FLOWER.
ARTIFICIAL TEETH.

No. 249,724.

Patented Nov. 15, 1881.

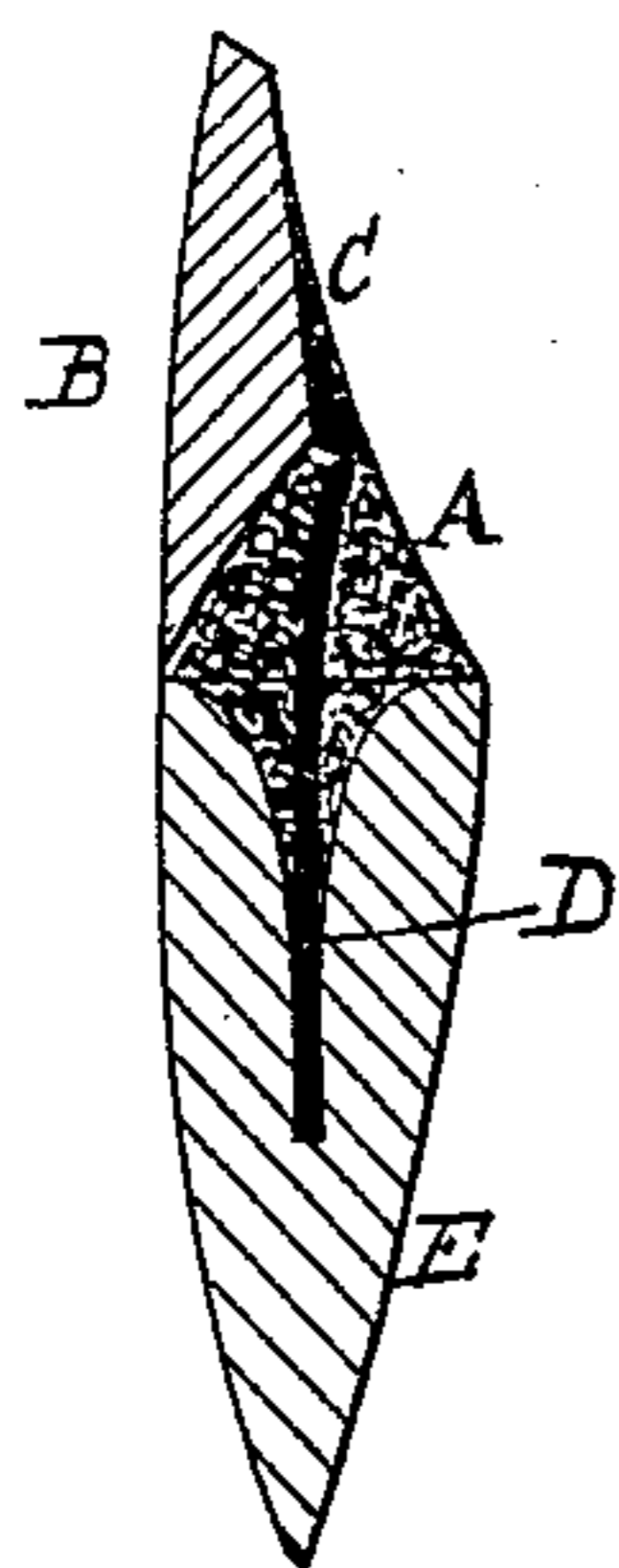


Fig. 1.

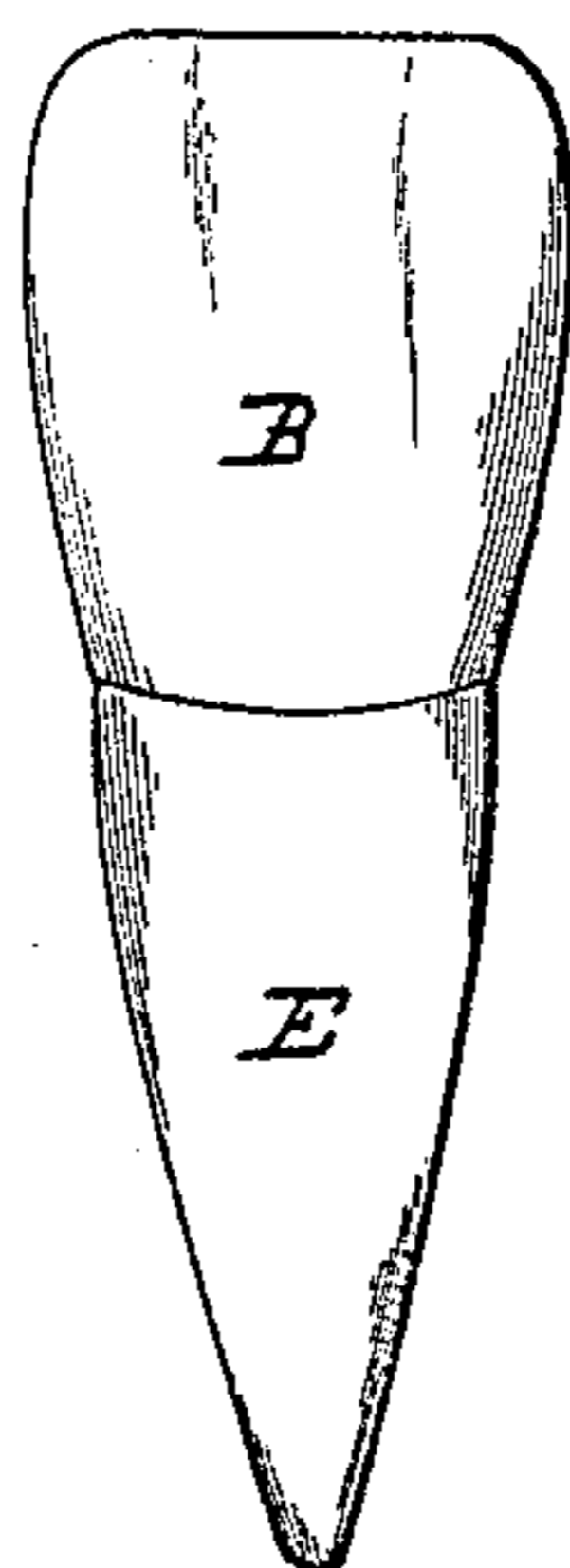


Fig. 2.

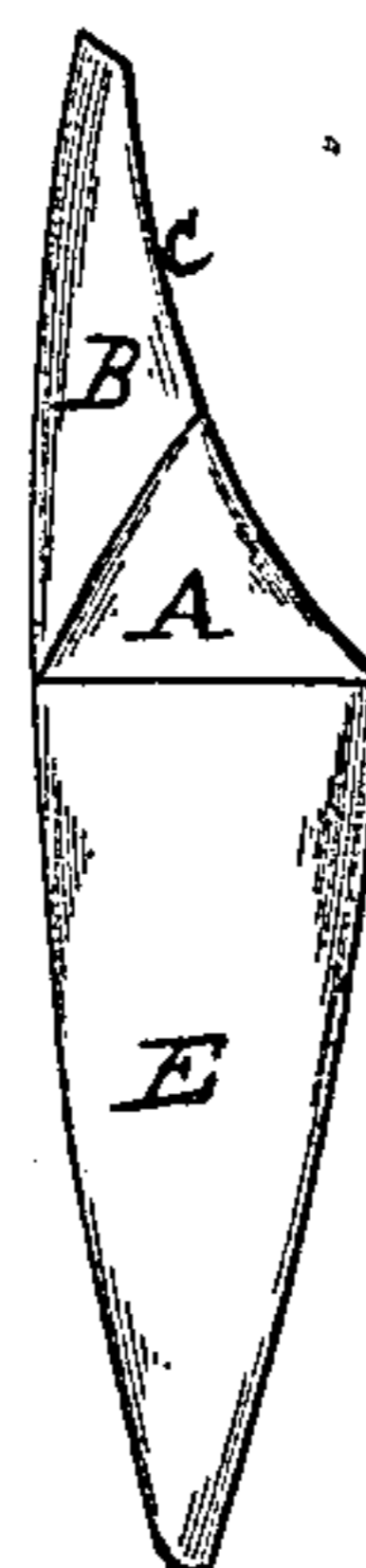


Fig. 3.

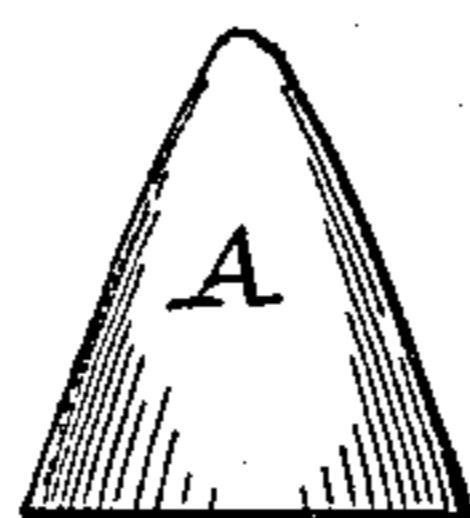


Fig. 4.

Witnesses.

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UNITED STATES PATENT OFFICE.

JAMES O. FLOWER, OF PITTSBURG, PENNSYLVANIA.

ARTIFICIAL TOOTH.

SPECIFICATION forming part of Letters Patent No. 249,724, dated November 15, 1881.

Application filed September 12, 1881. (No model.)

To all whom it may concern:

Be it known that I, JAMES O. FLOWER, of
Pittsburg, in the county of Allegheny and
State of Pennsylvania, have made a new and
5 useful Improvement in Artificial Teeth, of
which the following is a specification.

The object of my invention is to provide an
artificial tooth that may be pivoted and fast-
ened to the natural root in such a manner as
10 to be permanent, and at the same time make
the joint between them wholly impervious to
the moisture of the mouth, whereby the ill ef-
fects arising from the accumulation of offensive
matter is completely and effectually avoided.

15 The nature of my invention will be readily
understood from the following description,
taken in connection with the accompanying
drawings, wherein—

Figure 1 represents a transverse vertical sec-
20 tion of an artificial tooth attached to a natural
root in accordance with the plan of my inven-
tion; Fig. 2, a conjoint front elevation of the
root and tooth; Fig. 3, a side elevation of the
same; Fig. 4, a very thin and small metallic
25 cup.

The cup A may be made of various sizes, but
usually from one-eighth to three-sixteenths of
an inch deep, and of a width a little greater than
the maximum diameter of the exposed portion
30 of an ordinary natural root. The edge of this
cup should be very thin and flexible. As thus

constructed the cup is to be fitted to the base
and inner side of the artificial tooth B by sol-
dering its apex to a plate, C, firmly riveted
thereto, and a metallic pin, D, is at the same 35
time to be soldered in the center of the cup,
its outer end extending above its rim half an
inch or more, as the case may require. The
tooth having been so prepared, a hole corre-
sponding with the diameter of the pin is to be 40
drilled centrally into the natural root E in the
direction of its length, when its upper portion
may be smoothed, filed off, or left rough. When
the pin D is inserted in this hole the edge
of the cup will overlap the exposed portions 45
of the root. The cup is then to be filled with
some suitable cement, and the edge of the cup
tightly compressed around the upper end of
the natural fang, whereby all moisture and
other matter is wholly and effectually excluded. 50

Having thus briefly described my invention,
what I claim, and desire to secure by Letters
Patent, is—

As an improvement in artificial teeth, the
thin flexible cone-shaped cap secured by its 5
apex to the plate C, that is riveted to the tooth-
crown, and provided with a pin, D, secured as
described.

JAMES O. FLOWER.

Witnesses:

JOSIAH W. ELLS,
O. D. LEVIS.