

H. J. GOSLEE.
ARTIFICIAL TOOTH CROWN.
APPLICATION FILED MAR. 19, 1910.

996,921.

Patented July 4, 1911.

Fig. 1

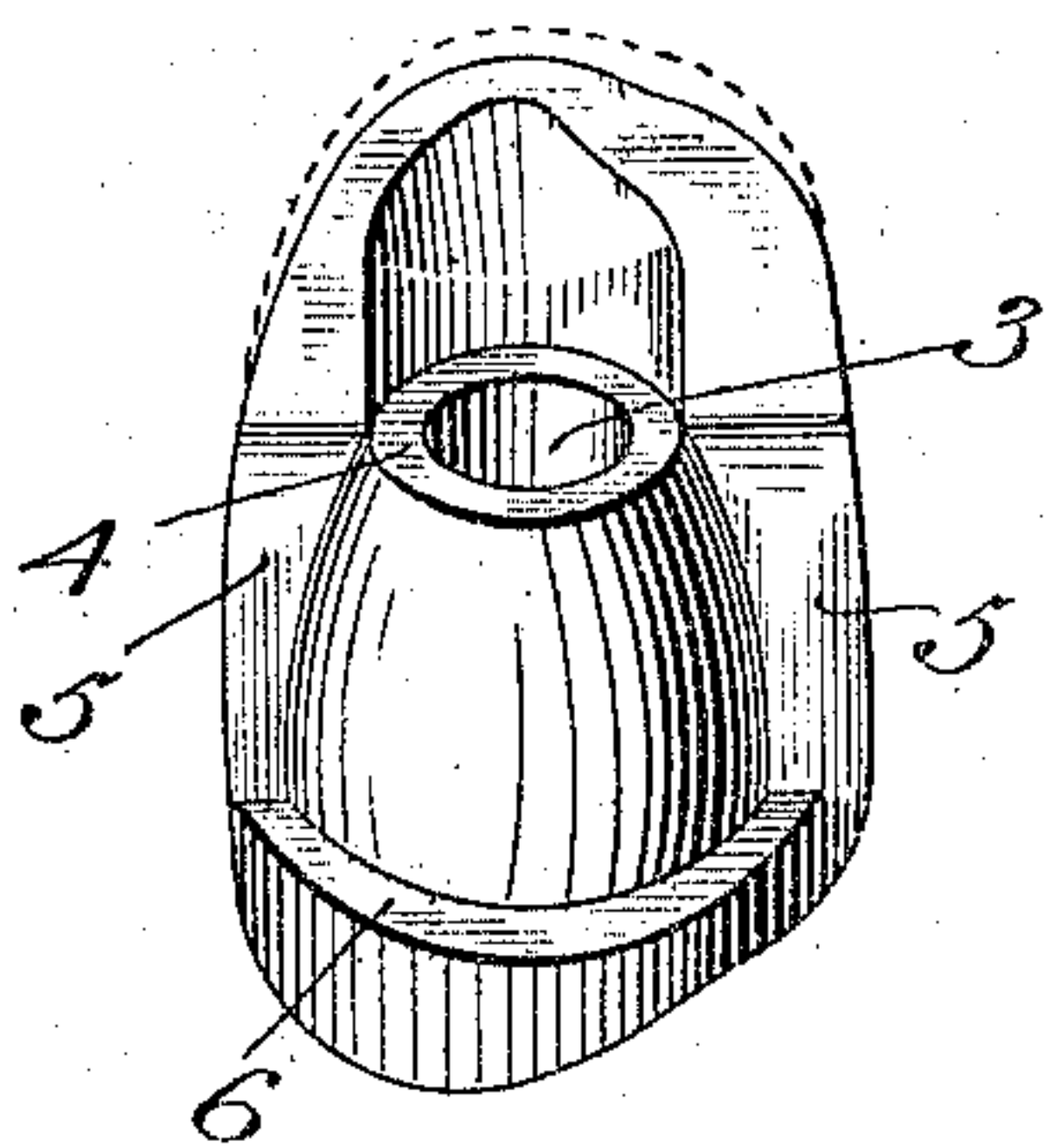


Fig. 2.

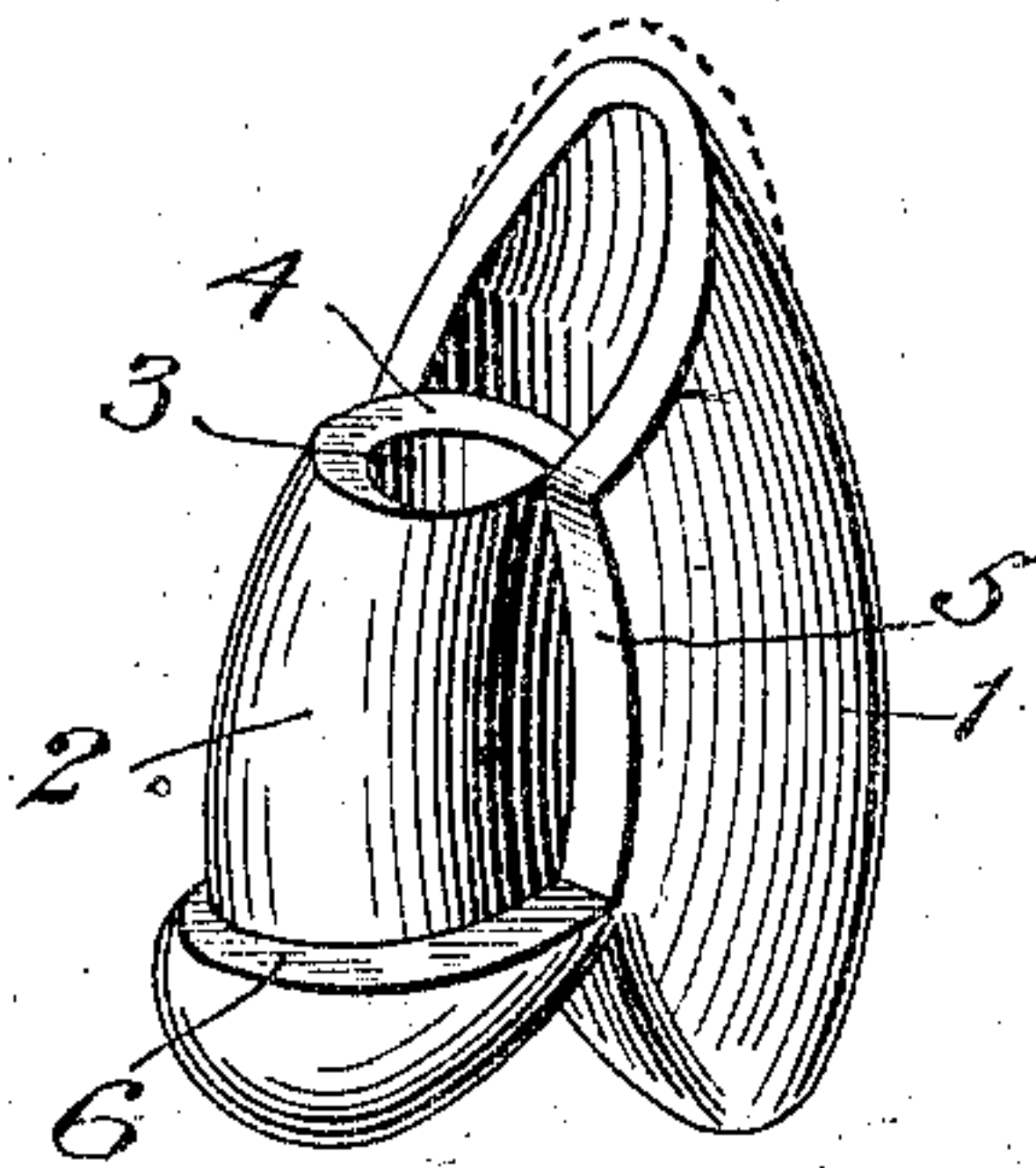


Fig. 3.

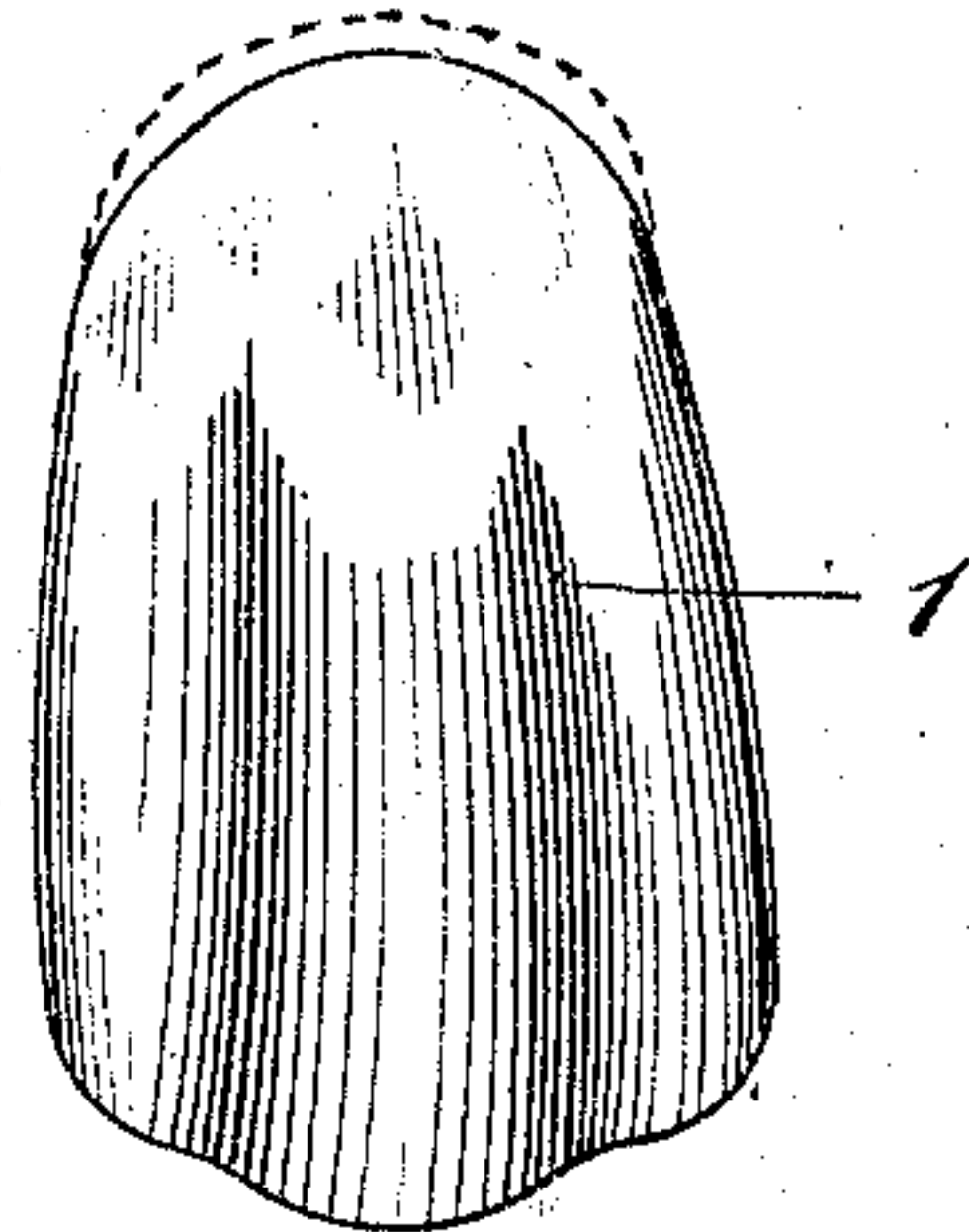


Fig. 4.

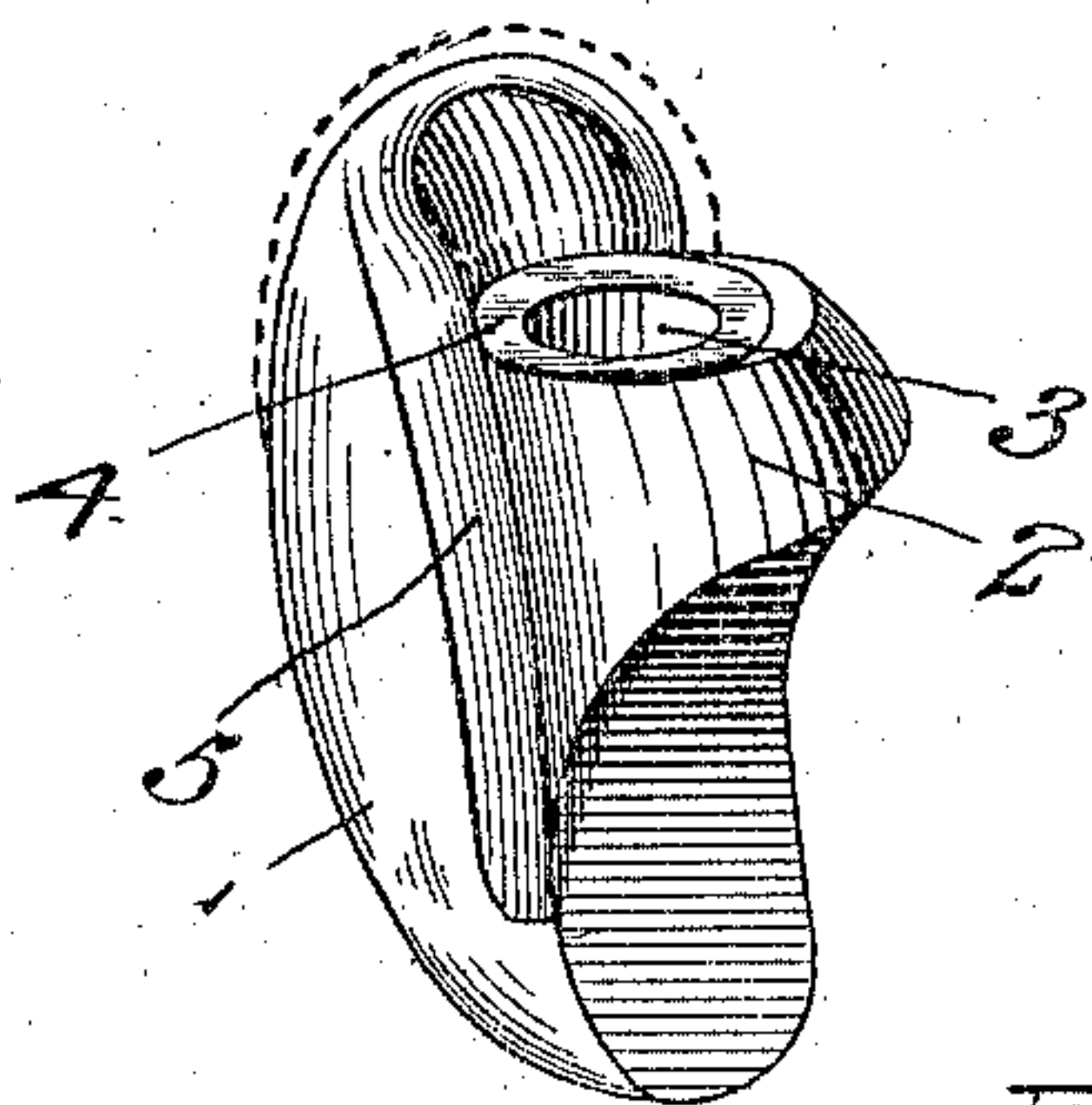


Fig. 5.

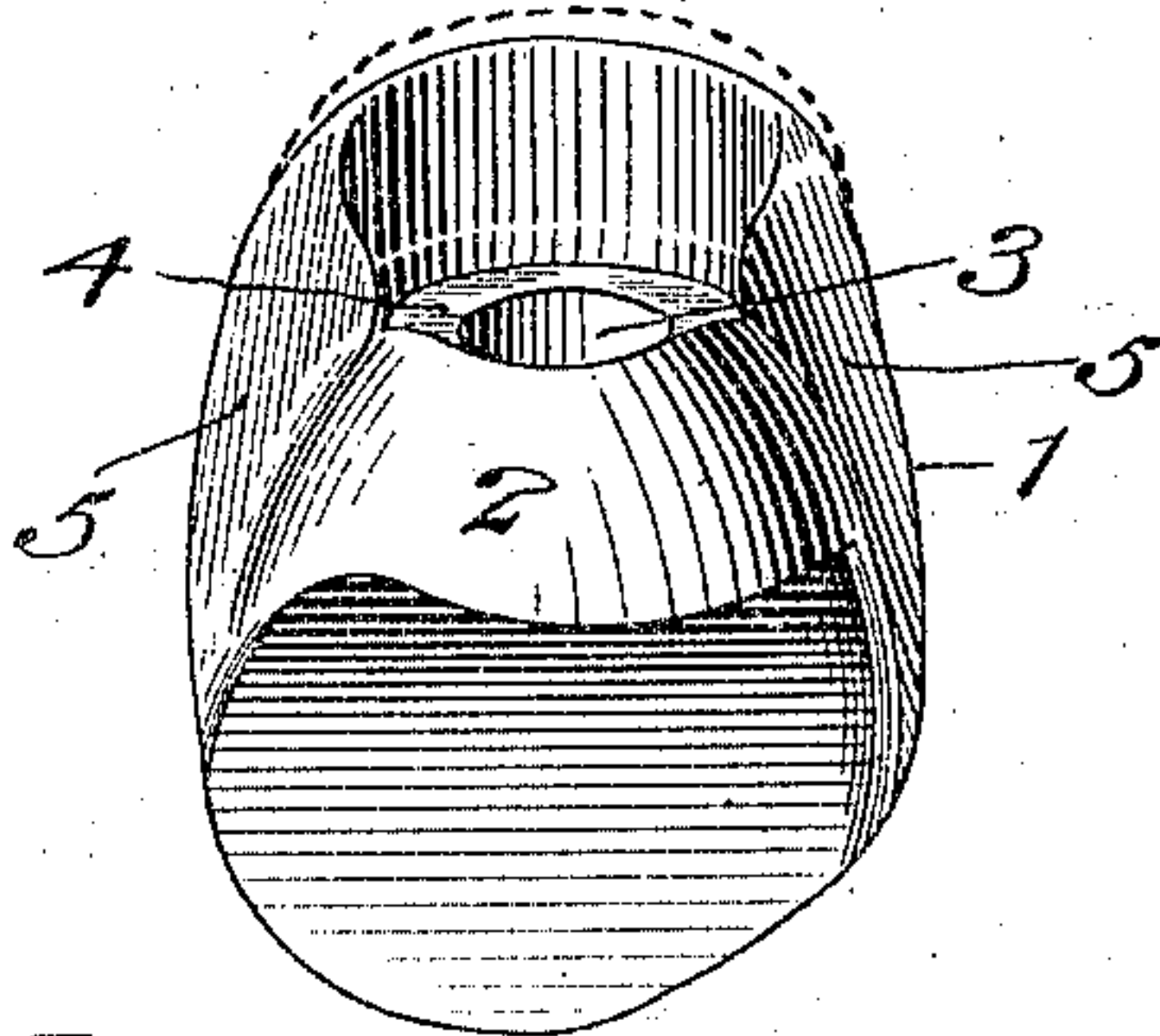


Fig. 6.

BACKING



Witnesses:

J. George Barry.
Henry Thiene.

Inventor:

Hart J. Goslee
by his attorneys
Brown & Howard

UNITED STATES PATENT OFFICE.

HART J. GOSLEE, OF CHICAGO, ILLINOIS, ASSIGNOR TO CONSOLIDATED DENTAL MANUFACTURING COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW YORK.

ARTIFICIAL-TOOTH CROWN.

996,921.

Specification of Letters Patent.

Patented July 4, 1911.

Application filed March 19, 1910. Serial No. 550,351.

To all whom it may concern:

Be it known that I, HART J. GOSLEE, a citizen of the United States, and resident of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Artificial-Tooth Crowns, of which the following is a specification.

This invention relates to improvements in artificial tooth crowns and has for its object to provide an artificial tooth crown which will, when properly backed, possess a maximum strength with a minimum display of the metal backing, thus producing not only a stronger and more durable artificial tooth crown but also one which presents a more attractive appearance when in use, because of the small display of the metal backing. Its shape also makes it generally applicable to all conditions of absorption and occlusion without any grinding to fit the individual case. This makes them interchangeable and permits of easy replacement in case one becomes fractured in the mouth, in which case a duplicate of the same size and mold may be quickly and easily substituted without defacing or disturbing the original metal backing in the mouth. It is also equally applicable when used as a bridge-tooth in supplying missing teeth and possesses the same advantageous features whether used as an individual crown, where there is a supporting root in the mouth, or as a bridge-tooth, to be attached to such crowns mounted upon roots, and to supply missing teeth.

Practical embodiments of this invention are represented in the accompanying drawings, in which

Figures 1, 2 and 3 represent one form of my improved artificial tooth crown, in back, perspective and front views, respectively, and Figs. 4 and 5 represent another form of my improved artificial tooth crown, in perspective and back views, respectively. Fig. 6 is a rear view showing the backing.

In both forms herein represented the crown 1 is provided with an offset portion 2 at its back, which offset portion is provided with a closed-sided recess 3 opening through the top of the offset portion 2, for the reception of the anchoring pin, not shown herein. In both forms, an annular seat 4 surrounds the mouth of the closed-sided re-

cess 3, and vertical shoulders 5 are provided along the sides of the offset portion 2. In the form shown in Figs. 1, 2 and 3, an additional shoulder 6 is provided, extending transversely around the offset portion from side to side thereof, meeting the vertical shoulders 5. These annular seats 4 and vertical shoulders 5 in both forms and the transverse shoulder 6 in the form shown in Figs. 1, 2 and 3, not only permit the backing to be easily and closely fitted to the crown but also permit the crown to have an extended bearing upon the backing and thus materially strengthen the crown and increase its life. Furthermore, by providing the recess in the offset portion with closed sides, the crown is strengthened at this point. A tooth crown formed as hereinabove described, also presents a very small amount of the metal backing to view when the crown is in position in the mouth.

What I claim is:--

1. An artificial tooth crown having an offset portion provided with a closed-sided pin-receiving recess opening through its inner end, an annular seat surrounding the mouth of the recess and vertical shoulders extending along the sides of the offset portion.

2. An artificial tooth crown having an offset portion provided with a closed-sided pin-receiving recess opening through its inner end, an annular seat surrounding the mouth of the recess, and a transverse shoulder partially surrounding the offset portion intermediate its inner and outer ends.

3. An artificial tooth crown having an offset portion provided with a closed-sided pin-receiving recess opening through its inner end, an annular seat surrounding the mouth of the recess, vertical shoulders extending along the sides of the offset portion and a transverse shoulder extending around the same from side to side thereof and meeting the vertical shoulders.

In testimony, that I claim the foregoing as my invention, I have signed my name in presence of two witnesses, this fourth day of February 1910.

HART J. GOSLEE.

Witnesses:

MARTIN M. RETTER.

L. MARSHALL.