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1,609,549

F. O. JAQUES, JR
TELESCOPIC TOOTH CROWN
Filed April 28, 1926

Fig. 1.

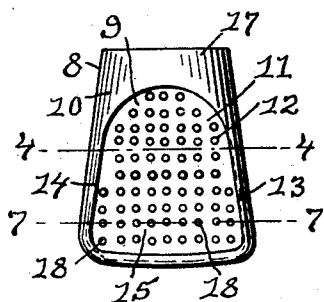


Fig. 2.

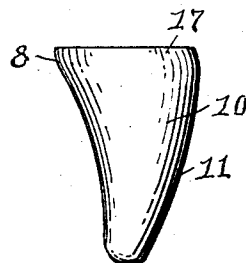


Fig. 3.

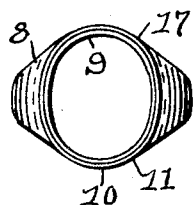


Fig. 4.

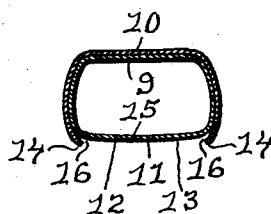


Fig. 5.

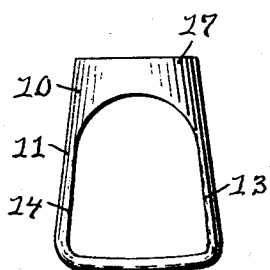


Fig. 6.

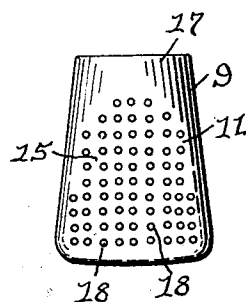
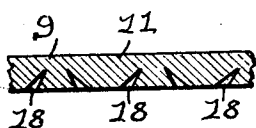


Fig. 7.



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TELESCOPIC TOOTH CROWN.

Application filed April 23, 1926. Serial No. 105,191.

My invention has reference to an improvement in the art of dentistry and more particularly to an improvement in tooth crowns in which one part telescopes within the other part, of the tooth crown.

The form of tooth crown to which my improved tooth crown is particularly adaptable is a tooth crown having a depression in the labial surface which is filled with porcelain. These tooth crowns as heretofore constructed, are in the form of a single shell with the depression formed in the shell in any well known way.

The object of my invention is to improve the construction of a metal tooth crown having a porcelain labial surface, whereby the tooth crown is formed of an inner and a corresponding outer shell, the inner shell forming the back of the depression for the porcelain and the outer shell having an opening the edges of which forms the edges of the depression, for the porcelain. The edges of the opening in the outer shell are slightly raised from the face of the inner shell, thereby forming a continuous under cut recess, for more firmly securing or locking the porcelain in place.

My invention consists in the peculiar and novel construction of a tooth crown formed of two coinciding shells, one within the other, said tooth crown having details of construction, as will be more fully set forth hereinafter and claimed.

Figure 1 is a vertical view of my improved telescopic tooth crown for a right upper incisor tooth and looking at the labial surface of the crown.

Figure 2 is a vertical view of the same tooth crown, looking at the mesial surface of the crown.

Figure 3 is a neck view looking down on the upper open end of the crown.

Figure 4 is a transverse sectional view through the crown, taken on line 4, 4, of Figure 1.

Figure 5 is a vertical view looking at the labial surface of the outer shell.

Figure 6 is a vertical view looking at the labial surface of the inner shell, and

Figure 7 is a detail sectional view taken on line 7, 7, of Figure 1, through the labial part of the inner shell and showing the indentures in the labial part of the inner shell, another means for holding the porcelain in place.

Figures 1, 2, 3, 4, 5 and 6 are enlarged and Figure 7 is greatly enlarged to more clearly show my invention.

In the drawing 8 indicates a telescopic tooth crown consisting of an inner shell 9 and an outer shell 10. As shown in the drawing the tooth crown has been formed into the shape shown, after the shells have been telescoped, one within the other. The crown shown is for a right upper central incisor tooth and the inner shell has first a driven fit within the outer shell. In the labial surface 11 of the shell is a depression 12 formed as follows. An opening 13 is formed in the labial surface 11 of the outer shell 10 of any shape required, the edges 14 of this opening 13 forms the edges of the depression 12 and the labial surface of the inner shell 9, forms the back 15 of the depression 12. The edges 14 of the opening 13 are slightly raised from the back 15 of the depression 12, as shown in Figure 4, thereby forming an undercut space 16 around the opening 13 for firmly securing the porcelain in place. The labial surface of the inner shell, which forms the back 15 of the depression 12 has a number of pointed indentures 18, 18, at opposite angles to each other, as shown in Figure 7. The porcelain, in a plastic condition, not shown, in forcing it into the depression 12, is forced under the edges 14 of the opening 13 and into the undercut space 16 and into the indentures 18, 18, thereby firmly and positively securing the porcelain to the crown. The porcelain used for this purpose solidifies under atmospheric conditions.

In the use of my improved telescopic tooth crown the porcelain is more positively secured or locked to the labial surface of the crown and a more durable and perfect tooth crown is produced, than has heretofore been done.

Having thus described my invention I claim as new:—

1. A tooth crown having a depression in its labial surface, said tooth crown consisting of two shells, one within the other, the outer shell having an opening which with the labial surface of the inner shell, forms the depression in the labial surface of the crown, for the purpose as described.

2. A tooth crown having a depression in its labial surface, said tooth crown consisting of an outer shell having an opening in

its labial side, the edges of said opening forming the edges of the depression and an inner shell, the labial surface of which forms the back of the depression, for the purpose as described.

3. A tooth crown having a depression in its labial surface, said tooth crown consisting of an outer shell having an opening in its labial side, the edges of said opening forming the edges of the depression and an inner shell, the labial surface of which forms the back of the depression, said edges of the opening in the outer shell being raised from the labial surface of the inner shell, for the purpose as described.

4. A tooth crown having a depression in its labial surface, said tooth crown consist-

ing of an outer shell having an opening in its labial side, the edges of said opening forming the edges of the depression and an inner shell the labial surface of which forms the back of the depression, said labial surface or side of the inner shell having indentures formed at an angle to the labial surface of the shell, said edges of the opening in the outer shell being raised from the labial surface of the inner shell, thereby forming an undercut space around the edges of the depression, for the purpose as described.

In testimony whereof, I have signed my name to this specification.

FERNANDO OSCAR JAQUES, JR.