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G. E. TERRANOVA

GUARD FOR HANDPIECES OF DENTAL ENGINES

Filed Feb. 4, 1924

Fig. 1.

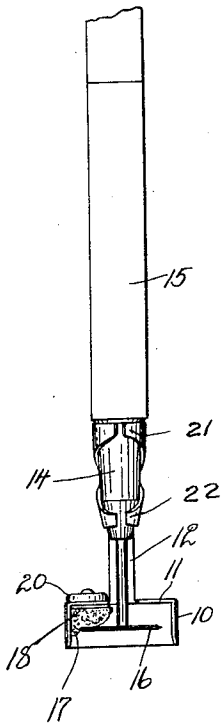


Fig. 2.

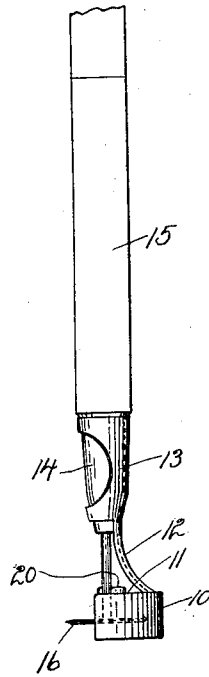


Fig. 3.

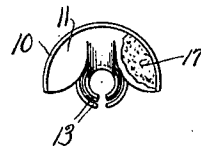


Fig. 4.

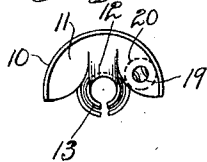


Fig. 5.



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UNITED STATES PATENT OFFICE.

GIUSEPPE E. TERRANOVA, OF NEW HAVEN, CONNECTICUT.

GUARD FOR HANDPIECES OF DENTAL ENGINES.

Application filed February 4, 1924. Serial No. 690,349.

To all whom it may concern:

Be it known that I, GIUSEPPE E. TERRANOVA, a subject of the King of Italy, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Guards for Handpieces of Dental Engines; and I do hereby declare the following, when taken in connection with the accompanying drawings and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application, and represent in—

Fig. 1 a face view of a handpiece for dental engines, showing my improved guard applied thereto.

Fig. 2 a side view of the same.

Fig. 3 a plan view of the guard, detached.

Fig. 4 an underside view of the same.

Fig. 5 a side view of the moistening device, detached.

This invention relates to improvement in guards for handpieces of dental engines.

In using a dental engine with grinding-stones or separating-disks, care must be taken to hold the cheeks or lips out of range of the tool, to prevent injury to the patient.

The object of this invention is to provide a guard adapted to be readily applied to the handpiece of a dental engine and which will act to hold the cheeks or lips away from the teeth, so as not to come in contact with the operating tool. Furthermore, it is sometimes desirable to apply moisture with grinding-stones, separating-disks, and similar devices, and another object of the invention is to provide means for supplying moisture, and the invention consists in the construction as hereinafter described and particularly recited in the claim.

In carrying out my invention, I employ a segmental flange 10 around the edge of a flat plate 11, which is provided with an arm

12 connecting it with a clip 13, which is adapted to set over the end 14 of an ordinary handpiece 15 of a dental engine, and having spring-fingers 21 and 22 to grip the shank of the handpiece. The guard 10 surrounds a disk-tool 16, which is mounted in the handpiece in the usual way. Preferably, the clip, arm, plate and flange will be formed from a single piece of metal. To provide moisture for the disk-tool 16, of whatever character it may be, I employ a piece of sponge 17, which is connected with the male-member 18 of a snap-fastener, and this extends through a perforation 19 in the plate 11 to receive the female-member 20, whereby the sponge is firmly clipped to the plate, adjacent to the edge of the disk 16 and in such a convenient way that it may be readily removed for renewal, or entirely omitted if it is not required. The flange 10 forms a perfect guard for the disk 16 and holds the cheeks or lips away from the tool 16, and thus avoids the necessity of constant use of a mirror or other device to hold the cheeks or lips out of the range of the operating tool.

I claim:

A guard for handpieces of dental engines, comprising a segmental flange projecting outward from a plate, means for attaching the same to the handpiece of a dental engine, one member of a snap-fastener mounted on said plate and a piece of sponge attached to the other member of a snap-fastener, whereby the piece of sponge may be detachably connected with said plate.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

GIUSEPPE E. TERRANOVA.

Witnesses:

FRANCES PUCELLA,
ANTONIO CRIMO.