

(No Model.)

B. H. TEAGUE.

DENTAL DISK.

No. 346,331.

Patented July 27, 1886.

Fig. 1.

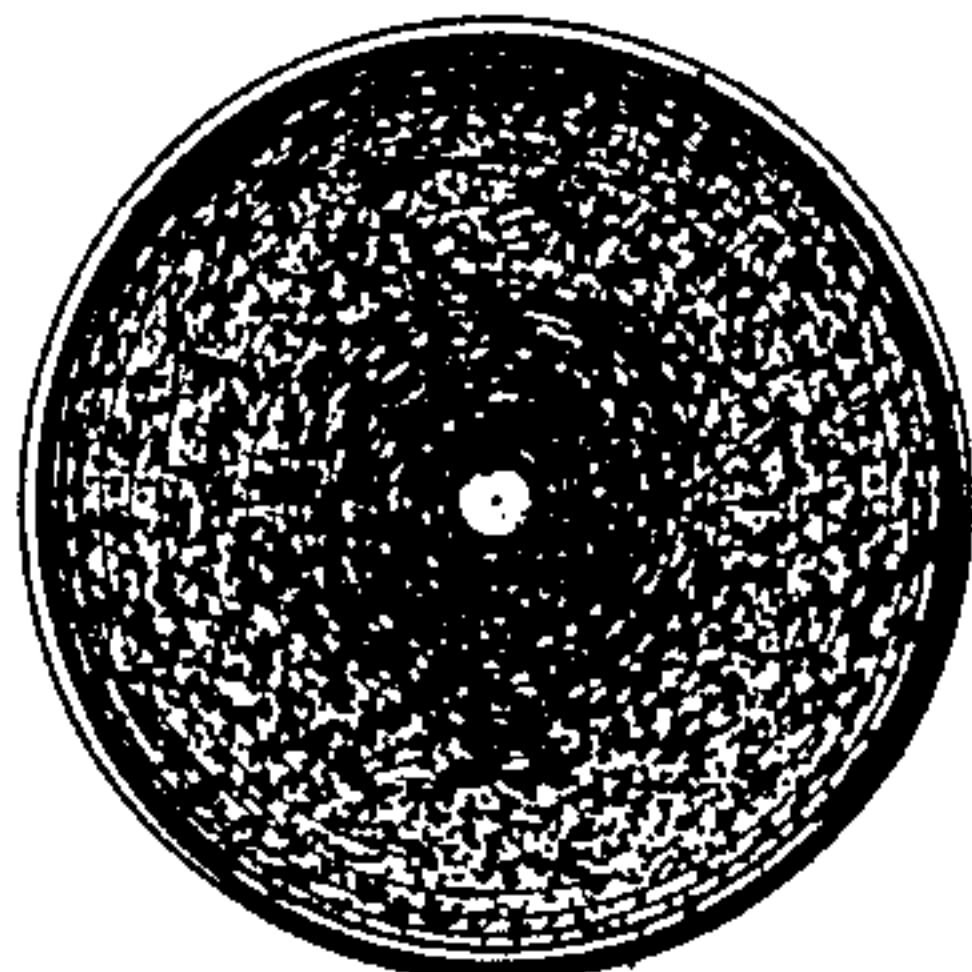


Fig. 2.



Fig. 3.

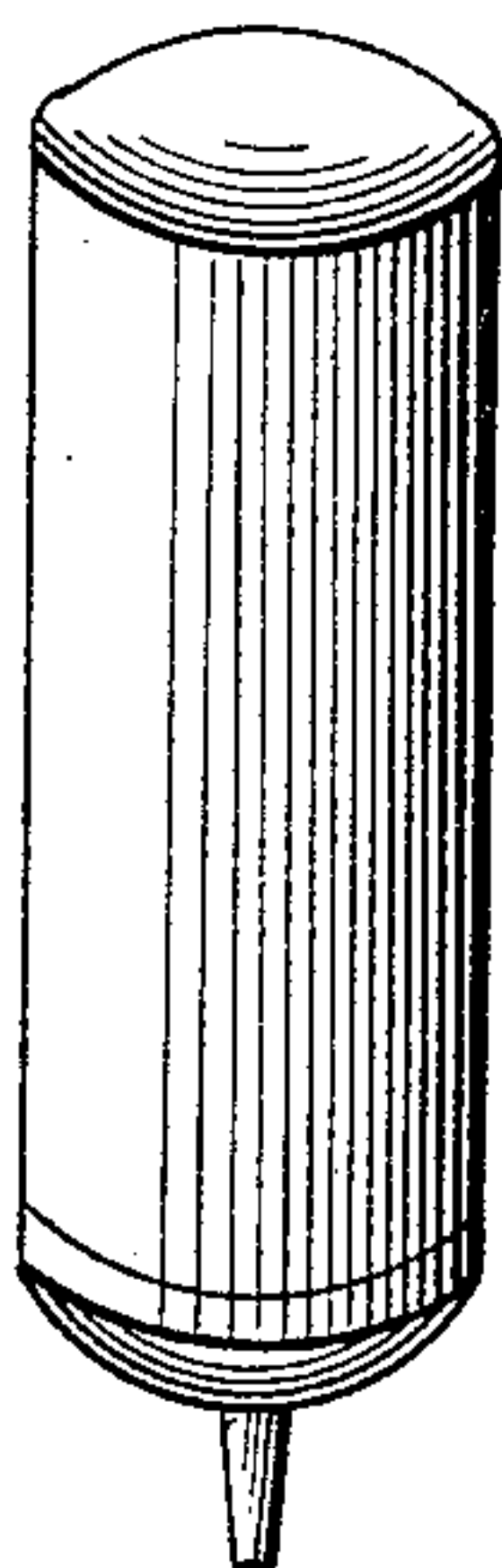
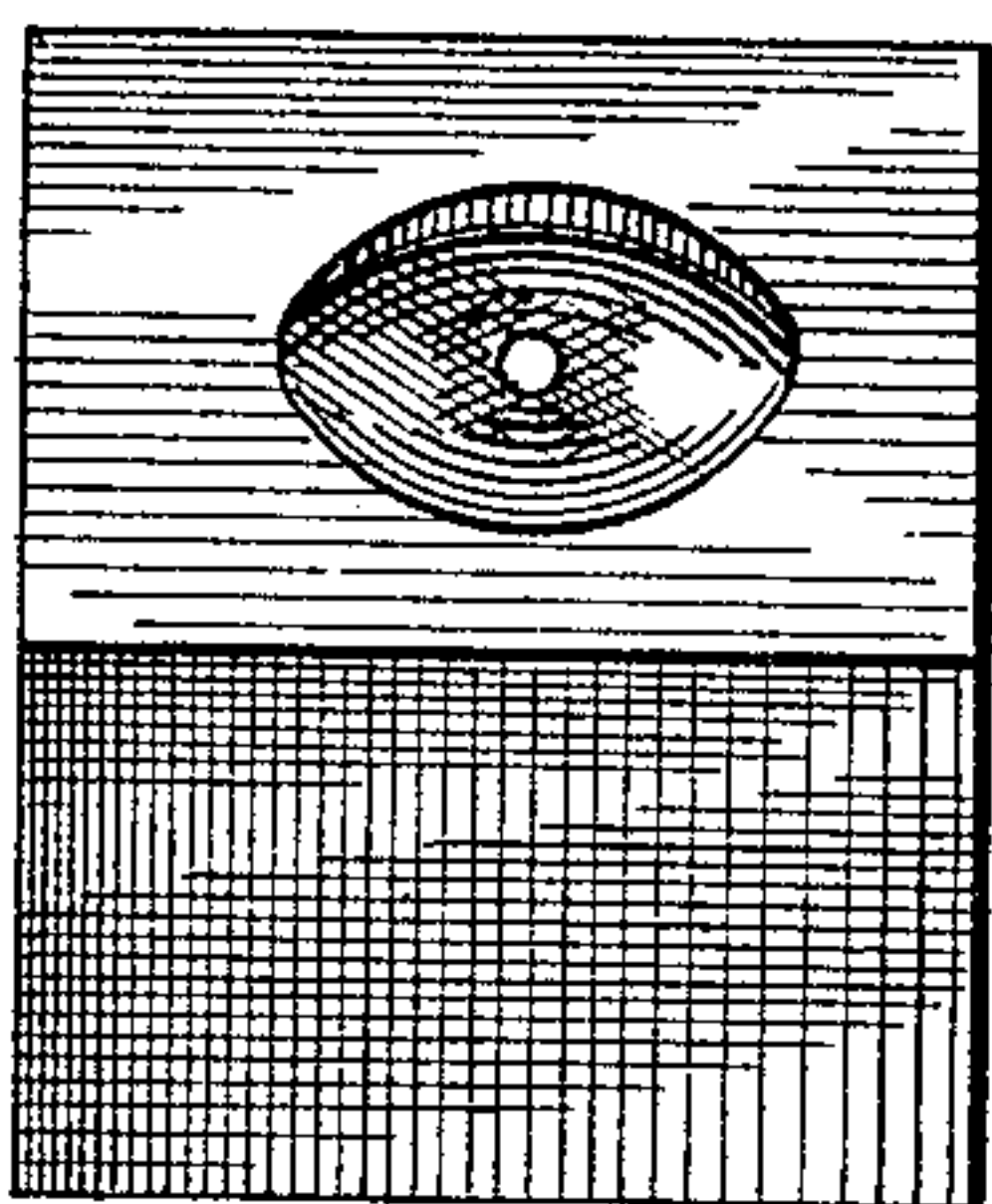


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

BENJAMIN HAMMET TEAGUE, OF AIKEN, SOUTH CAROLINA.

DENTAL DISK.

SPECIFICATION forming part of Letters Patent No. 346,331, dated July 27, 1886.

Application filed June 9, 1886. Serial No. 204,611. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN HAMMET TEAGUE, a citizen of the United States, residing at Aiken, in the county of Aiken and State of South Carolina, have invented certain new and useful Improvements in Dental Disks; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to dental disks; and the object thereof is to construct a disk which shall be thin, flexible, and stiff enough to enter between the teeth, and also capable of reaching the convex surfaces of the teeth.

In the accompanying drawings, Figure 1 represents a front view of the disk; Fig. 2, a sectional view; and Figs. 3 and 4 illustrate the dies made use of in constructing the disk.

In manufacturing the disks I first prepare a sheet of sand-paper or emery-cloth by coating the back of it with a solution of shellac gum in alcohol, and, when this is dry, with a solution of sandarac gum in alcohol. When dry, the disk is cut from the sheet by means of a cutter, and a hole is punched in the center thereof by a proper implement for that purpose. It is then put on the steel pin of the wooden male die illustrated in Fig. 3, which is provided with a convex end covered with sole-leather, forming a washer, and stamped into the depressed shape required by the blow of a mallet, which forces it into a corresponding female die, (illustrated in Fig. 4,) which is provided with a concave depression sufficiently deep to receive a sole-leather washer corresponding to that upon the end of the die. These leather washers, it will be noted, pre-

vent the sand or emery from being comminuted and the cutting quality of the tool from being impaired. The depressed or concavo-convex disk thus constructed is used on the end of the mandrel of a dental engine for the purpose of polishing fillings inserted between teeth which are very close together. The thinness of the disk allows it readily to enter where no other disk will, and its flexibility and depressed or concavo-convex form permits it to conform to the general convex surfaces of the teeth.

It is often very necessary to polish well a filling inserted near the gum in the tooth, and much difficulty has been experienced in effecting this result with the instruments heretofore in use. My improved disk not only accomplishes this perfectly, but at the same time embraces the whole side of the tooth at its different curves, and thoroughly polishes its general surface. The sandarac solution not only adds to the stiffness of the disk, but as the saliva of the mouth hardens the sandarac varnish the disk is rendered impervious and more lasting.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

A dental polishing-tool consisting of a concavo-convex disk of sand or emery paper coated upon its back with shellac varnish and a solution of sandarac, as and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

BENJAMIN HAMMET TEAGUE.

Witnesses:

JAMES B. BURCKHALTER,
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