

(No Model.)

J. B. WOOD.
DENTAL POLISHER.

No. 362,808.

Patented May 10, 1887.

Fig. 1.

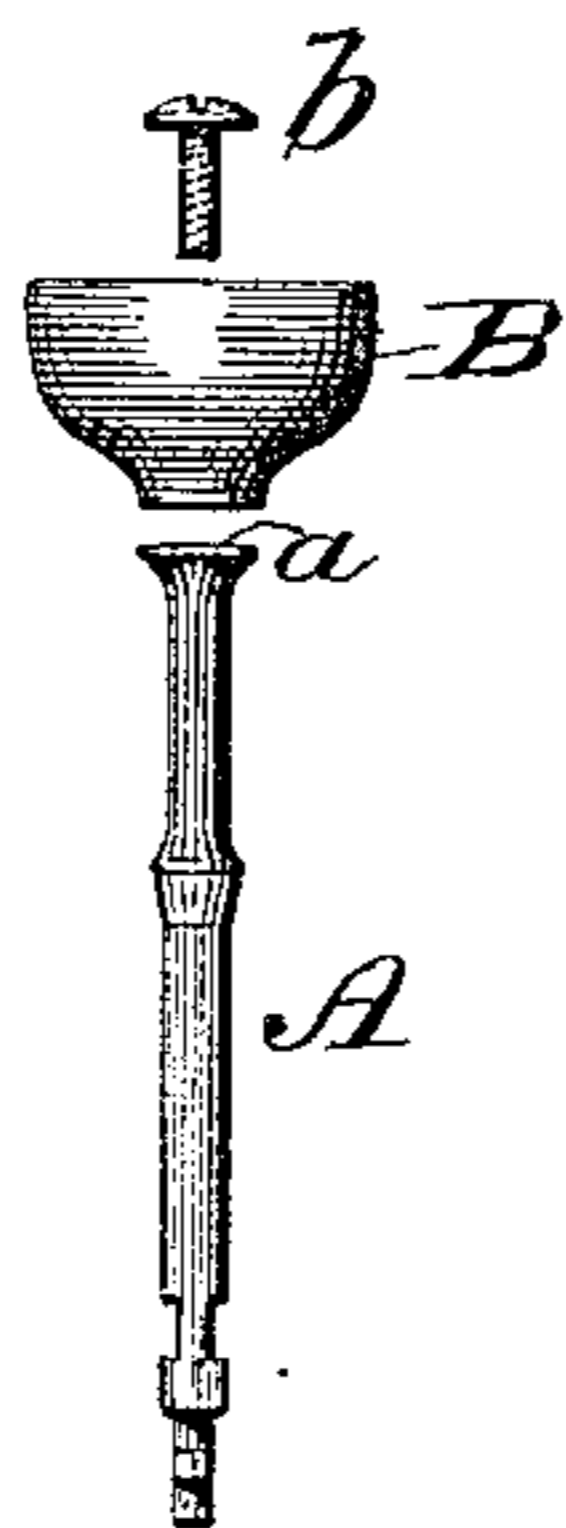


Fig. 2.

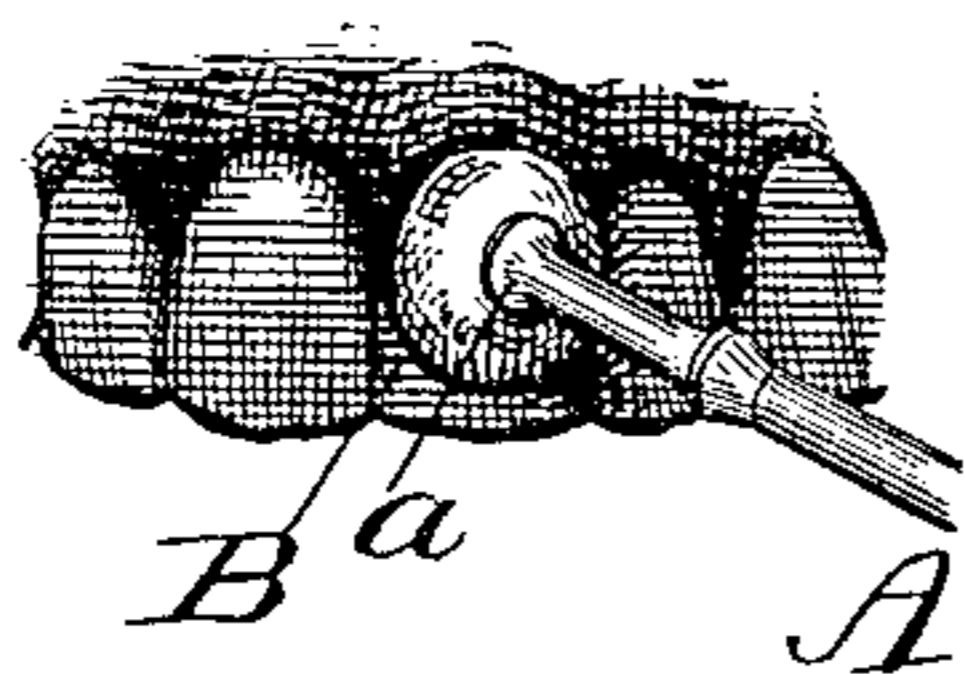


Fig. 3.

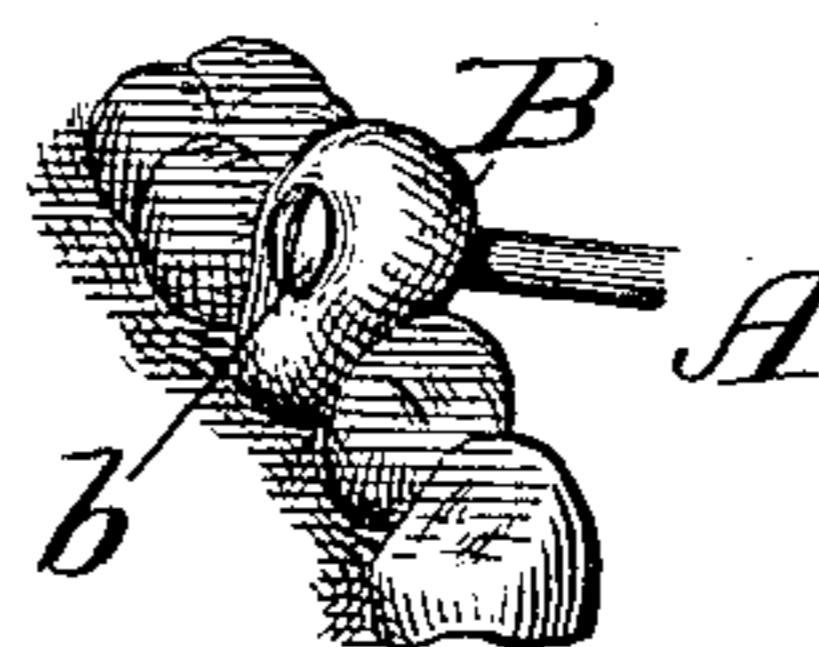


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN B. WOOD, OF CAMDEN, NEW JERSEY, ASSIGNOR TO THE S. S. WHITE
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DENTAL POLISHER.

SPECIFICATION forming part of Letters Patent No. 362,808, dated May 10, 1887.

Application filed December 16, 1886. Serial No. 221,774. (No model.)

To all whom it may concern:

Be it known that I, JOHN B. WOOD, a citizen of the United States, residing at Camden, in the county of Camden and State of New Jersey, have invented certain new and useful Improvements in Cleansing and Polishing Instruments for Dentists' Use; 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 an improved cleansing and polishing instrument for use upon the natural teeth; and its object is to provide an instrument for use with the dental engine, which is fitted to carry and apply to the surface of such teeth a polishing or cleansing powder, so that the powder is brought into contact with the teeth in order to exert a cleansing and polishing action by the revolution of the tool.

The subject-matter claimed is distinctly recited at the close of the specification.

In the accompanying drawings I have shown my invention as embodied in the simplest and best ways now known to me; and therein Figure 1 is a view in elevation of the improved powder-carrier in detached parts. Fig. 2 shows the application of the instrument in work upon the teeth in a pushing direction, and Fig. 3 a similar view thereof in work upon the inside of the teeth in a pulling direction. Fig. 4 is a section of the instrument-cup.

In the practice of the art of dentistry it has been found very desirable to have a ready means of cleansing and polishing natural teeth remaining in the mouth. This want I

supply by my improved instrument, which consists of a shank, A, having a socketed front end, *a*, fitted for the reception of a headed screw, *b*, passing through the bottom of a small flexible and preferably soft-rubber cup, B. This cup is fastened to the shank A by screwing the small screw *b* into the socket of the shank A and with its head tightly screwed up against the bottom of the interposed cup. The bowl or mouth of the cup may be directed from or turned toward the shank, according to whether the outer or inner surfaces of the teeth are to be acted on. I have shown in the drawings both ways of mounting the cup.

In operation, after the insertion of the shank A in the rotary chuck of the dental engine, a small quantity of powder is placed in the cup, and the rapidly-revolving cup is then applied to the teeth, so as to bring the powder in contact with their surfaces. Owing to the soft character of the rubber it seems to take hold of the powder and carry it with it, so as to have a very effective and quick cleansing or polishing action. The cup conforms itself to the surface over which it moves and holds the powder to its work and prevents its escape.

I claim as my invention—

The dental polishing-instrument hereinbefore described, consisting of the flexible cup, the rotary shank, and the fastening device, substantially as hereinbefore set forth.

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

JOHN B. WOOD.

Witnesses:

GEO. VINSON,
ELI T. STARR.