

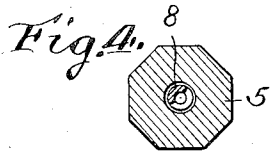
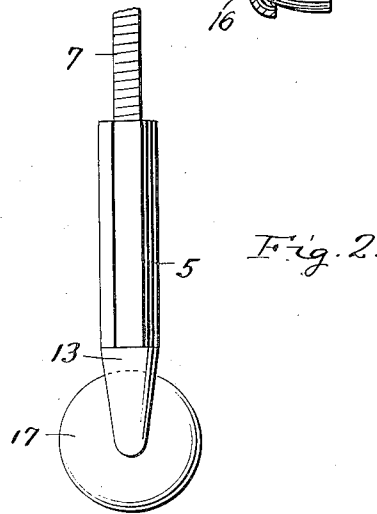
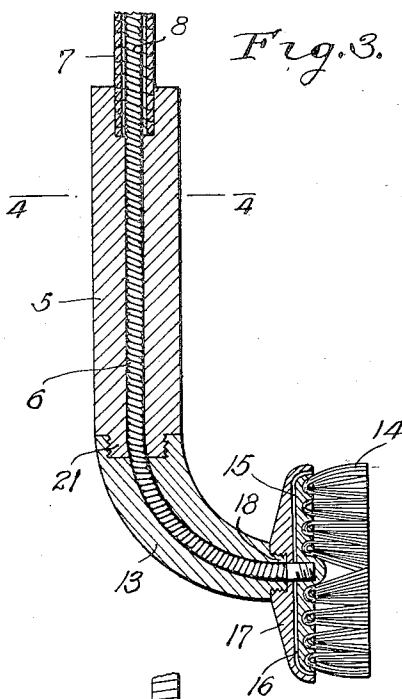
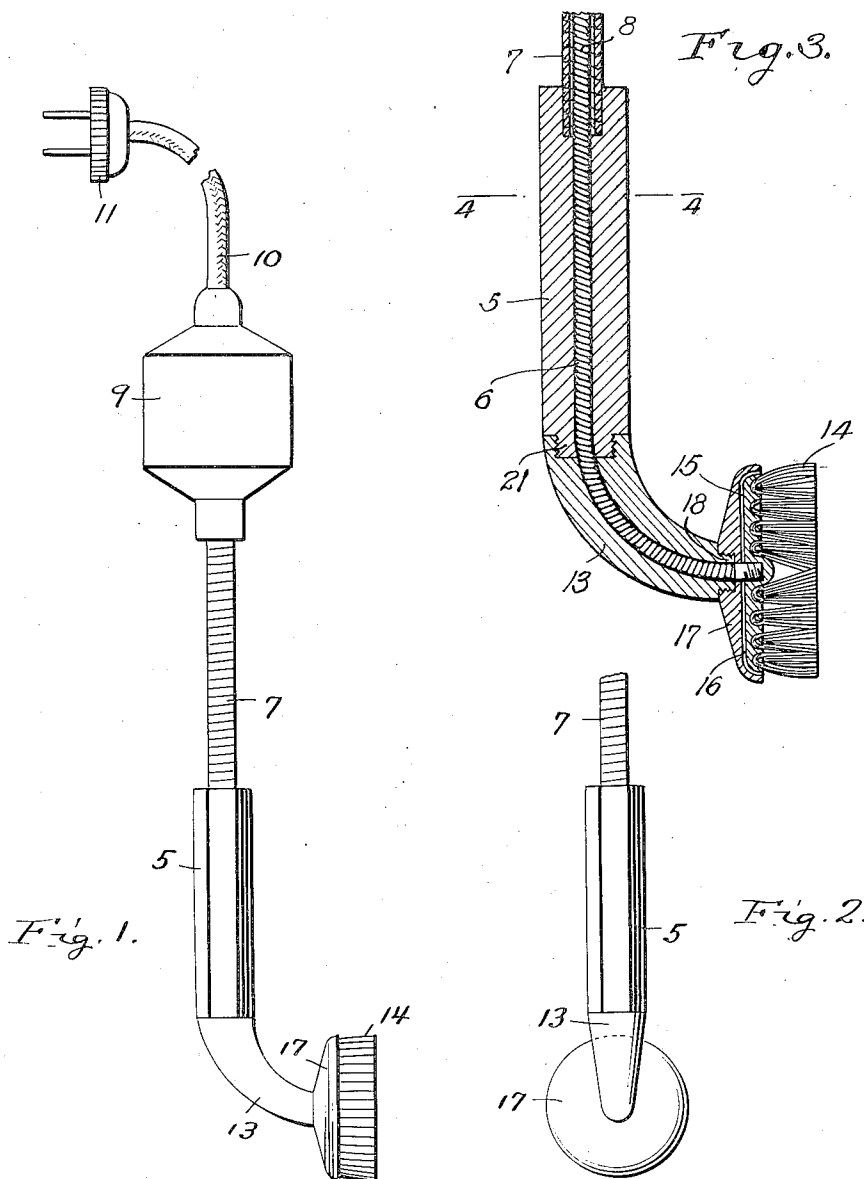
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J. E. HITE

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DENTAL IMPLEMENT

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Inventor

James E. Hite

By *Clarence A. O'Brien*
Attorney

UNITED STATES PATENT OFFICE

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DENTAL IMPLEMENT

James Eugene Hite, Lilly, Pa.

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1 Claim. (Cl. 15—28)

This invention appertains to new and useful improvements in the general art of dentistry, and more particularly to a novel dental cleaning, polishing and massaging unit.

5 The principal object of the present invention is to provide a dental instrument which can be readily adapted to various working positions and which in use will be convenient to handle.

10 Another important object of the invention is to provide a tooth cleaning and polishing implement of the power driven type which can be economically constructed and sold well within the reach of the average person who buys tooth brushes.

15 Other important objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawing:—

Figure 1 represents a side elevational view of the novel device.

20 Figure 2 represents a top plan view of the instrument.

Figure 3 represents a longitudinal sectional view through the brush and handle construction.

25 Figure 4 represents a cross sectional view taken substantially on line 4—4 of Figure 3.

Referring to the drawing wherein like numerals designate like parts, it can be seen that numeral 5 represents an octagon-shaped handle of elongated construction having a longitudinally extending bore 6 therein. One end of the handle is counter-bored to receive the conduit 7 through which the flexible shaft 8 extends. This shaft extends from the small motor (hand clipper type) generally referred to by numeral 9. 30 Numeral 10 represents the usual conductor cord which extends from the motor 9 and is equipped with a connector plug 11.

40 The other end of the handle 5 is provided with a reduced and threaded portion 12 which fits

into the curved handle shank 13 which is also provided with an opening axially therethrough and through which the aforementioned flexible shaft 8 extends.

Numeral 14 represents a rotary brush, the back 15 of which rotates within the concavity 16 of the disk 17, which disk is provided with a threaded recess therein for receiving the threaded reduced extension 18 of the curved shank 13. The drive end of the shaft 8 extends 10 through the shank 13 and disk 17 and is anchored in the central portion of the brush back 15.

Obviously, when the conductor cord 10 is connected to a current supply line and the motor 9 is energized, the shaft 8 will be driven and in 15 rotating will rotate the brush 14 at a moderate rate of speed.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size 20 and materials may be resorted to without departing from the spirit and scope of the invention as claimed hereinafter.

Having described the invention, what is claimed as new is:— 25

A dental instrument of the character described comprising a handle having a longitudinally extending bore therethrough, a motor, a conduit from the motor to the handle, a flexible shaft extending from the motor and through the conduit 30 and handle, a head at one end of the handle having a cavity therein, a brush having a back, said back being of a contour to fit snugly and free to rotate in the said cavity, and a detachable connection between the said back and the said flexible shaft, said flexible shaft being adapted to hold the back in said cavity. 35

JAMES E. HITE. 40