J. P. SENCINDIVER.

FOUNTAIN ATTACHMENT FOR TOOTHBRUSHES.

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1,435,558.

Patented Nov. 14, 1922.

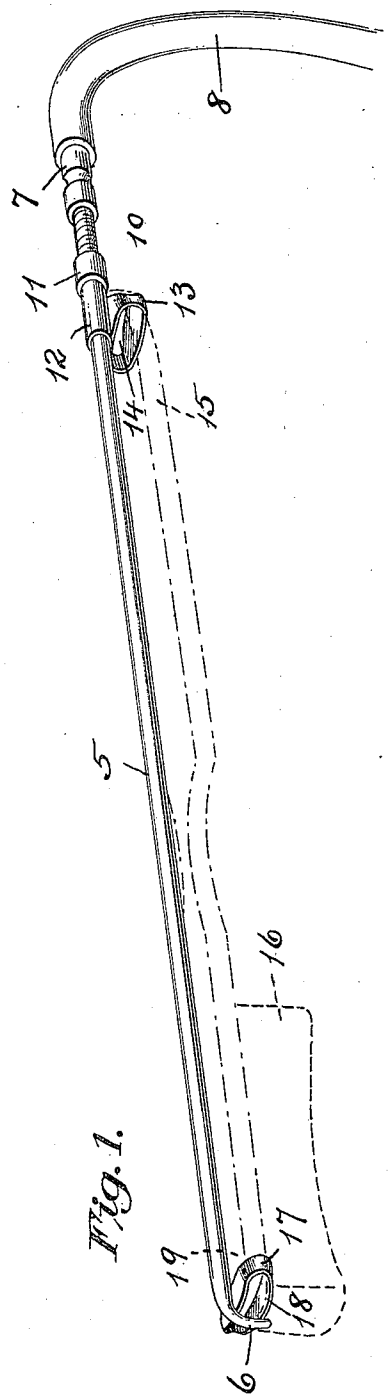


Fig. 1.

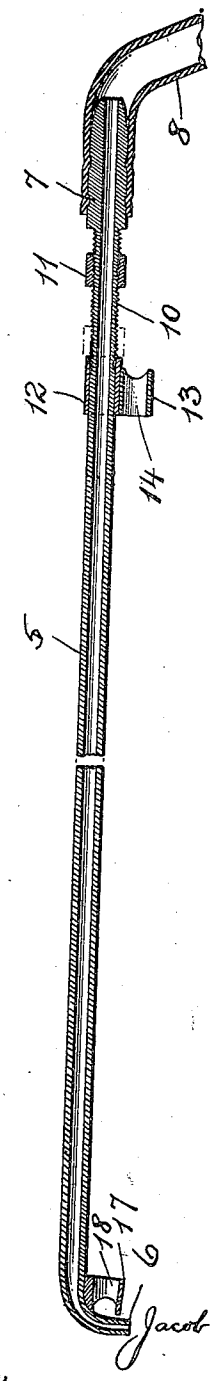


Fig. 2.

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UNITED STATES PATENT OFFICE.

JACOB P. SENCINDIVER, OF BALTIMORE, MARYLAND.

FOUNTAIN ATTACHMENT FOR TOOTHBRUSHES.

Application filed January 18, 1921. Serial No. 438,090.

To all whom it may concern:

Be it known that JACOB P. SENCINDIVER, citizen of the United States, residing at Baltimore, in the State of Maryland, has invented certain new and useful Improvements in Fountain Attachments for Toothbrushes, of which the following is a specification.

This invention relates to an improved fountain attachment especially designed for use in connection with tooth-brushes although the same is readily applicable to brushes for other purposes wherein it is desired to apply a fluid adjacent to the brush-head during the brushing operation.

The invention is illustrated in the accompanying drawing, wherein,—

Fig. 1 shows the improved device in perspective,—the tooth-brush being indicated in dotted-outline, and

Fig. 2 shows the attachment in longitudinal section.

Referring to the drawing the numeral 5 designates a tube having a down-turned nozzle 6 at one end thereof and provided at the opposite end with an enlarged head 7 whereby a detachable tube 8, such as a flexible rubber hose may be connected.

Between the two ends, the tube 5, is provided with exterior screw-threads 10,—the threads in this instance being located adjacent to the enlarged head 7.

A collar 11, has screw-threaded engagement with the screw-threads 10, so it may be made to travel longitudinally on the tube 5 when the collar is rotated. By this means the position of the collar 11 on the tube 5 and with respect to the enlarged head 7, may be varied.

A sleeve 12, is loosely carried on the tube so as to slide thereon in a direction toward and from the enlarged head, and this sleeve carries a clamping band 13 which is so shaped as to form a socket 14 to receive the handle-end 15, of a tooth brush 16.

It is therefore to be understood that the sleeve 12 and clamping band 13 thereon will slide together on the tube 5, and that said sleeve is located on the tube between the nozzle 6 and the collar 11.

Another clamping band 17 is rigidly secured to the tube 5 adjacent to the nozzle 6 whereby to form a socket 18 to receive the end 19 of the brush-back. In this instance the brush-back and handle are one and the same part, but the designations "handle" and "back" are simply used to indicate different locations thereon.

In the present structure the forward end 19 of the brush back is inserted in the socket 18 of the stationary clamping band 17, while the nozzle 6 projects downwardly at the forward end of the brush 16.

The handle-end 15 of the brush is inserted in the slidable clamping-band 13 and the collar 11 is screwed forwardly on the tube until the brush is securely clamped and held by the clamps at the two ends of the brush.

When the brush is thus clamped by the fountain attachment, water may be turned into the rubber tube 8 and thereby directed into the fountain tube 5 from which it will discharge at the nozzle 6 directly in front of the brush 16.

By this means a jet of water will be directed against the gum and into the crevices about the teeth during the brushing operation with beneficial results.

Having described my invention, I claim,—

1. The combination with a tube having a nozzle and provided with exterior screw-threads at a point spaced from the nozzle, of a stationary clamp device on the tube adjacent to the nozzle; a movable clamping device carried on the tube, and a collar engaging the threaded portion of the tube to form a stop for the movable clamping device.

2. A fountain device for tooth brushes comprising a tube having a down-turned nozzle at one end and formed at its other end for connection with a fluid-supply, a socket device rigidly attached to the under side of the tube immediately behind the nozzle whereby to receive the end of the brush-back, a movable socket on the tube near the other end to receive the handle-end of the brush and rotatable means on the tube beyond the movable socket to prevent rearward movement of the latter.

In testimony whereof I affix my signature.

JACOB P. SENCINDIVER.