Feb. 28, 1933. Y. H. BABASIN 1,899,301

PRESSURE SPRAY ATTACHMENT FOR TOOTHBRUSHES

Filed Feb. 27, 1932 2 Sheets-Sheet 1

Fig. 1.

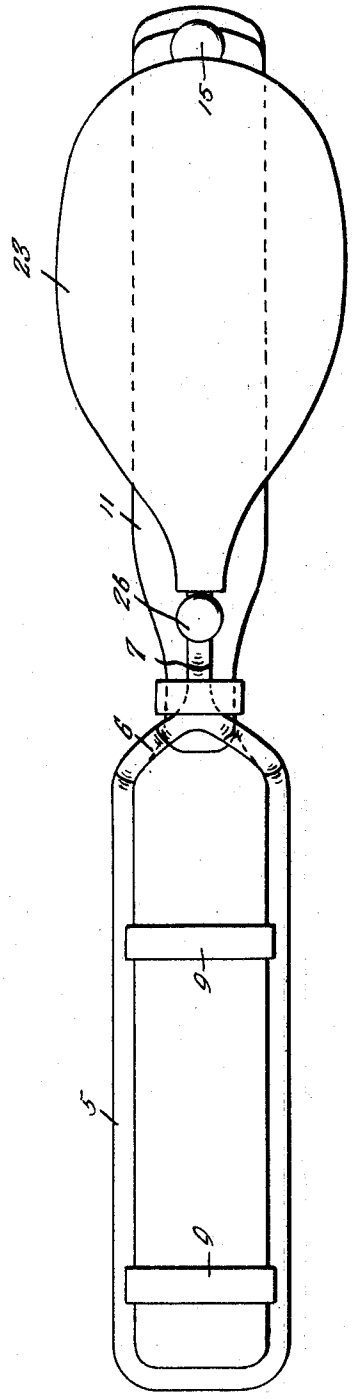


Fig. 2.

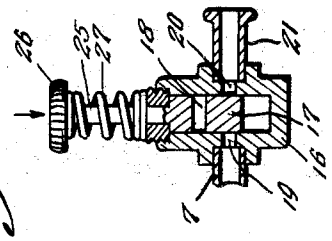
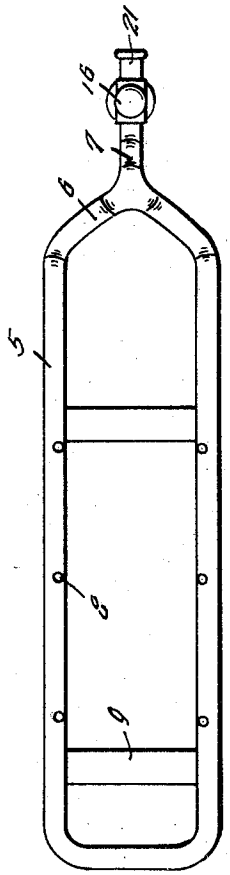


Fig. 3.



Inventor

Y. H. Babasin

By Clarence A. O'Brien

Attorney

Feb. 28, 1933. Y. H. BABASIN 1,899,301

PRESSURE SPRAY ATTACHMENT FOR TOOTHBRUSHES

Filed Feb. 27, 1932 2 Sheets-Sheet 2

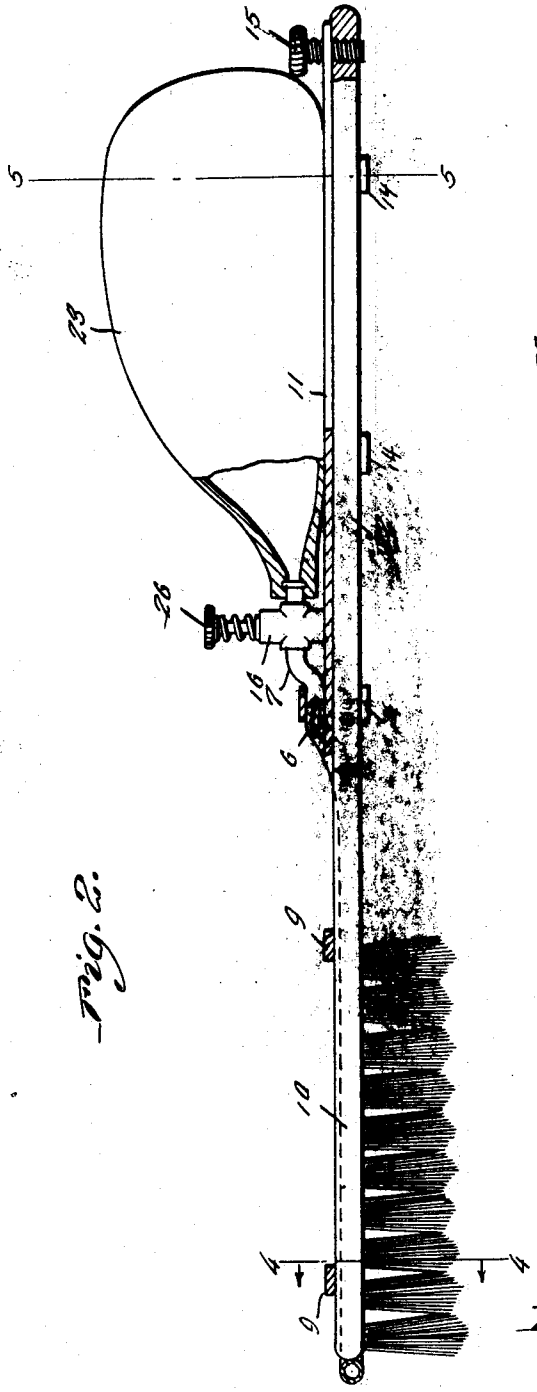


Fig. 2.

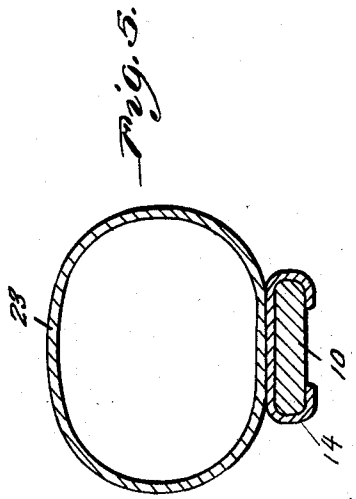


Fig. 3.

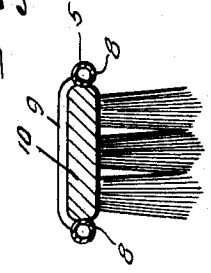


Fig. 4.

Inventor

Y. H. Babasin

By Clarence A. O'Brien

Attorney

Patented Feb. 28, 1933 1,899,301

UNITED STATES PATENT OFFICE

YERVANT H. BABASIN, OF VERNON, TEXAS

PRESSURE SPRAY ATTACHMENT FOR TOOTHBRUSHES

Application filed February 27, 1932. Serial No. 595,622.

The present invention relates to a pressure spray attachment for tooth brushes and has for its objects to provide a device of this nature which is simple in its construction, inexpensive to manufacture, easy to manipulate, quickly attachable and detachable, thoroughly efficient and reliable in use and otherwise well adapted to the purpose for which it is designed.

With the above and numerous other objects in view as will appear as the description proceeds, the invention resides in certain novel features of construction, and in the combination and arrangement of parts as will be hereinafter more fully described and claimed.

In the drawings:

Figure 1 is a top plan view of the attachment on a tooth brush.

Figure 2 is a vertical longitudinal section therethrough.

Figure 3 is a bottom plan view of the frame.

Figure 4 is a vertical section taken substantially on the line 4—4 of Figure 2.

Figure 5 is a vertical section taken substantially on the line 5—5 of Figure 2, and

Figure 6 is a detail vertical longitudinal section through the valve structure.

Referring to the drawings in detail it will be seen that the numeral 5 denotes an oblong frame of hollow material having one end fixed offset upwardly and having extended therefrom a tube 7. The frame is of hollow material and on the under portions of its sides is provided with a plurality of spray openings 8. Across the frame 5 are straps or braces 9, the intermediate portions of which are offset upwardly as clearly shown in Figure 4 so as to rest on top of the head 10 of the tooth brush with the sides of the frame extending along the sides of the head. A plate 11 is secured to the end 6 to extend along the top of handle 12 of the tooth brush and has a plurality of spring clips 14 to engage about the side edges of the handle. A screw 15 is used to attach the end of the plate 11 to the end of the handle 12. Numeral 16 denotes a valve casing with a valve 17 slidable therein so that its opening 18 may be brought into and out of registry with openings 19 and 20 of the casing 16.

Tube 7 extends to the opening 19 while a tube 21 extends from the opening 20 and has the end of a bulb 23 thereover, this bulb being permanently mounted on the plate 11. Valve stem 25 rising from the valve 17 has a head 26 on the upper end thereof and a spring 27 about the stem impinges upwardly against the head to normally hold the valve in closed position. Obviously the valve may be moved down to open position and the bulb squeezed to force the contents thereof through the conduit frame 5 out through the openings 8 on to the bristles.

This attachment furnishes a spray with suitable pressure to either or both sides of the bristles to hit the inter-proximal spaces and under free margins of gums to remove by force all débris and irritants and also stimulate the circulation of healthy blood in these tissues and increase their resistance to pyorrhea and infection.

The attachment can be removed and sterilized in boiling water. The spray will not interfere with the bristles and is calculated to hit the desired spot otherwise difficult to do. It is not intended with this attachment to displace any method of cleaning teeth and mouth but to aid them to do better work.

It is thought that the construction, utility and advantages of this invention will now be readily understood by those skilled in this art without a more detailed description thereof.

The present embodiment of the invention has been described in considerable detail merely for the purposes of exemplification since in actual practice it attains the features of advantage enumerated as desirable in the statement of the invention and the above description.

It will be apparent that changes in the details of construction, and in the combination and arrangement of parts may be resorted to without departing from the spirit or scope of the invention as hereinafter claimed or sacrificing any of its advantages.

Having thus described my invention, what

I claim as new is:

1. An attachment for a tooth brush comprising an oblong frame of hollow material providing passages and having openings in the side portions thereof, straps across the frame to rest on the head of a tooth brush, a plate adapted to secure the brush handle attached to one end of the frame to extend along the handle of the tooth brush, a connection including a valve having a conduit leading to said one end of the frame and supply means connected to the frame and to the valve connection.

2. An attachment for a tooth brush comprising an oblong frame of hollow material providing passages and having openings in the side portions thereof, straps across the frame to rest on the head of a tooth brush, a plate adapted to secure the brush handle attached to one end of the frame to extend along the handle of the tooth brush, a connection including a valve having a conduit leading to said one end of the frame, spring clips on the plate to engage with the handle and supply means connected to said frame and to the valve connection.

3. An attachment for a tooth brush comprising an oblong frame of hollow material providing passages and having openings in the side portions thereof, straps across the frame to rest on the head of a tooth brush, a plate attached to one end of the frame to extend along the handle of the tooth brush, a valve having a conduit leading to said one end of the frame and connected to said passages, spring clips on the plate to engage with the handle, and a compressible bulb on the plate connected to said valve.

In testimony whereof I affix my signature.

YERVANT H. BABASIN.