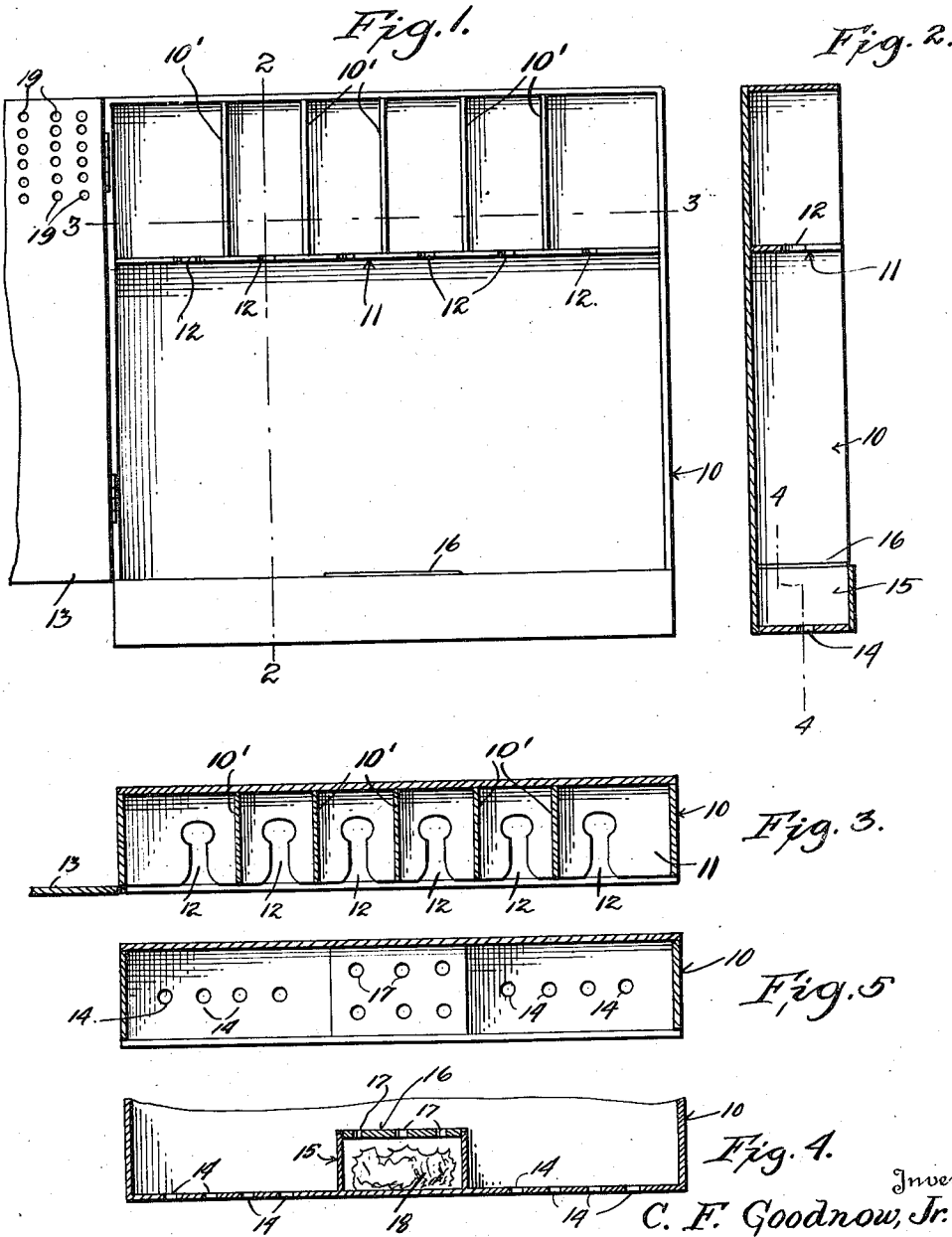


C. F. GOODNOW, JR.
 SANITARY TOOTH BRUSH HOLDER.
 APPLICATION FILED NOV. 27, 1916.

1,303,884.

Patented May 20, 1919.



Witnesses
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H. M. Test.

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UNITED STATES PATENT OFFICE.

CHARLES F. GOODNOW, JR., OF SOUTH SUDBURY, MASSACHUSETTS.

SANITARY TOOTH-BRUSH HOLDER.

1,303,884.

Specification of Letters Patent.

Patented May 20, 1919.

Application filed November 27, 1916. Serial No. 133,657.

To all whom it may concern:

Be it known that I, CHARLES F. GOODNOW, Jr., a citizen of the United States, residing at South Sudbury, in the county of Middlesex, State of Massachusetts, have invented certain new and useful Improvements in Sanitary Tooth-Brush Holders; 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.

This invention relates to improvements in tooth brush holders, and particularly to sanitary tooth brush holders.

One object of the present invention is to provide a simple and cheap device of this character which will properly hold the individual brushes against contact with the others, and which will be held within an atmosphere of antiseptic.

Another object of the present invention is to provide a device of this character in which the brushes will be held in such position that they will readily dry.

Other objects and advantages will be apparent from the following description when taken in connection with the accompanying drawing.

In the drawing:

Figure 1 is a front elevation of a tooth brush holder made in accordance with my invention, the door being open and broken away.

Fig. 2 is a vertical sectional view taken on the line 2—2 of Fig. 1.

Fig. 3 is a horizontal sectional view taken on the line 3—3 of Fig. 1.

Fig. 4 is a vertical sectional view taken on the line 4—4 of Fig. 2.

Fig. 5 is a horizontal sectional view taken on a line just above the receptacle 15.

Referring particularly to the accompanying drawing, 10 represents a box or casing of suitable size and proportions and formed from any desired material, but preferably metal which is nickel-plated. In the upper portion of the box there is disposed a transverse shelf 11, in the forward edge of which there are formed a plurality of regularly spaced keyhole openings, the outer ends of the straight portions of which extend through the front edge of said shelf. These openings are represented by the reference character 12. The front of the box is closed by a suitably hinged door 13.

A vertical partition 10' extends from the shelf 11 to the top of the box, and to the back thereof, and between each pair of openings 12.

In the bottom of the box there are formed the air inlet openings 14, and located on the bottom of the box, and therewithin, is a small receptacle 15, having a removable cover 16 provided with perforations 17. Within this receptacle is placed a quantity of cotton or other suitable absorbent material 18 which has been saturated in some antiseptic solution, such as formalin, thymolin, or other like odorless or semi-odorless fluid.

In the upper portion of the door 13 of the box there are also formed perforations 19, to permit the escape of the moisture-laden air resulting from the drying of the brushes.

The straight portion of each of the keyhole openings is of a width to permit the free entrance of the neck of the brush, while the circular portion is smaller than the width of the head, or bristle carrying portion, whereby the brush may be easily passed through the straight portion of the slot and then be supported by the surrounding wall of the circular portion thereof. The vapor rising from the receptacle 15 will thoroughly disinfect the brushes as they hang suspended within the slots while the free circulation of air through the box is provided by means of the before mentioned perforations in the bottom and sides of the box.

The fact that the vertical partitions are provided insures that the brushes will not come in contact with each other, each brush being disposed in a separate compartment.

The openings in the bottom of the box provides for the escape of water which might drip from the brushes.

As the tooth brushes hang from the shelf 11, with the lower end portions of their heads against the edges of the inner widened portions of the slots 12, the bristles project forwardly and directly over the narrowed portions of the slots in the direction of the door 13. Thus, the disinfecting fumes that rise within the box are directed by the slots to the bristles, with a most effective result.

What is claimed is:

A sanitary tooth-holding box having a transverse partition provided with inwardly enlarged, spaced, transverse slots opening through the edge of the partition at the front of the box, the enlarged portions of the

slots being adapted to receive and support the heads of tooth brushes with their bristles above and covering the remaining portions of the slots, a disinfectant compartment in the bottom of the box and a closure for the front of the box, the bottom of the box and the disinfectant compartment having openings therethrough to insure rising of disin-

fecting fumes through the slots directly to the bristles.

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

CHARLES F. GOODNOW, JR.

Witnesses:

CHARLES O. LANMUTEE,
HOWARD C. BURR.