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1,923,978

DENTAL RACK AND TIMER

Filed April 29, 1930

Fig. 1.

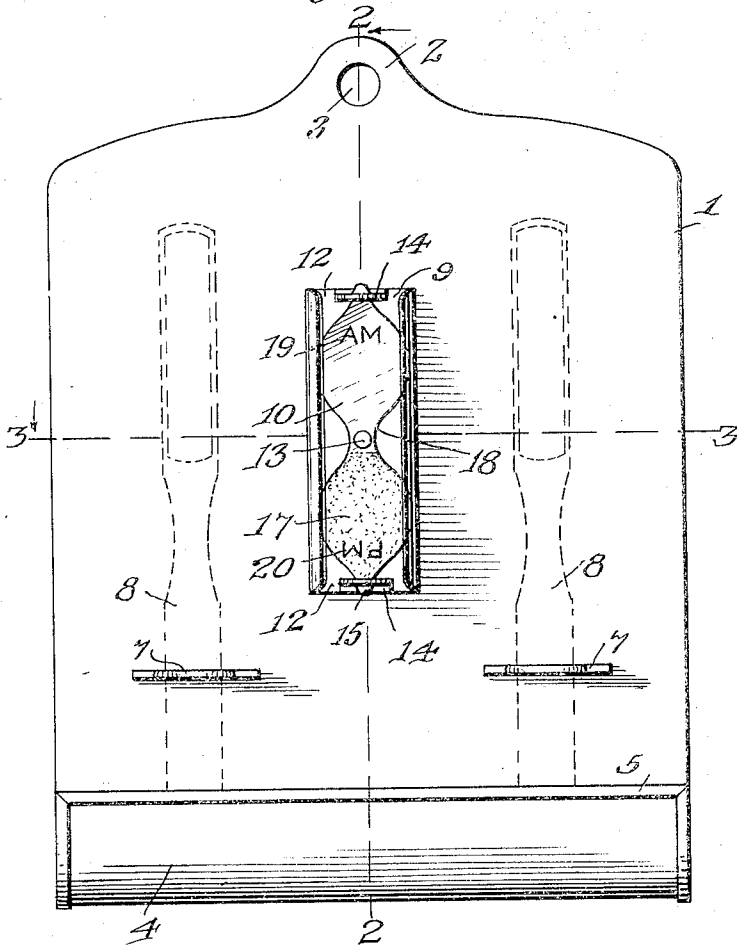


Fig. 2.

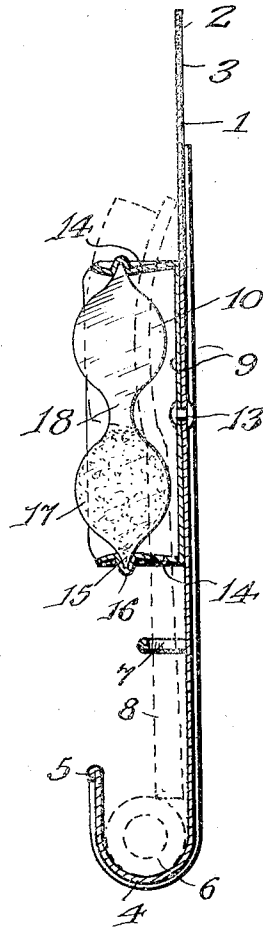
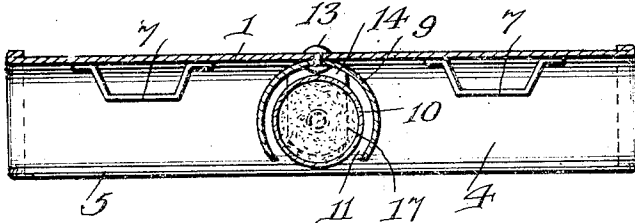


Fig. 3.



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DENTAL RACK AND TIMER

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Application April 29, 1930. Serial No. 448,317

1 Claim. (Cl. 161—1)

This invention relates to a dental rack and timer and has for its primary object to provide, in a manner as hereinafter set forth, a device of such character by means of which a tube or can of dentifrice and a plurality of tooth brushes may be conveniently supported in connection with a rotatably mounted time glass adapted to operate for the length of time required to properly brush the teeth, thereby reducing the likelihood of the teeth being neglected through a mere perfunctory brushing thereof.

A further object of the invention is to provide a device for the purpose aforesaid which may be utilized as a reminder to children that the teeth should be brushed regularly and properly, and which further offers an inducement for children to properly care for their teeth owing to the fascination of watching the material within the time glass flow from one end portion thereof to the other.

A further object of the invention is to provide a device of the character aforesaid which may be effectively cleaned by merely holding the same under an open faucet, whereby the device may be maintained in a sanitary and attractive condition with a minimum of effort.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as hereinafter more particularly described, and as illustrated in the accompanying drawing wherein is shown an embodiment of the invention, but it is to be understood that the description and drawing are to be taken as illustrative and that the invention is intended to be limited only by the scope of the claim hereunto appended.

In the accompanying drawing in which like numerals are employed to designate like parts throughout the several views:

Figure 1 is a front elevation of a dental rack and timer in accordance with this invention.

Figure 2 is a vertical section taken on the line 2—2 of Figure 1.

Figure 3 is a transverse section taken on the line 3—3 of Figure 1.

Referring to the drawing in detail, the numeral 1 indicates a vertically disposed support or base member which is of flat formation and formed intermediate its side edges with an upwardly projecting portion 2 provided with an opening 3 for the passage therethrough of a suitable holdfast device by means of which the base member may be secured to a wall or the like. The base member 1 is formed with a curved bottom 4 which terminates at its free

edge in a bead 5 and which provides a receptacle for a tube or can of dentifrice, as indicated at 6. Projecting from the forward face of the base member 1, in spaced relation to the curved bottom 4, are a pair of brackets 7, the central portions of which are arranged in spaced relation to the forward face of the base member 1 in order that the handles of tooth brushes, such as 8, may be inserted between the central portions of the brackets and the forward face of the base member for supporting the tooth brushes. Although two of the brackets 7 are shown projecting from the base member 1, the number of brackets may be increased, as desired.

Secured to the forward face of the base member 1, adjacent the center of the latter, is a support 9 for a time glass 10. The support 9 is substantially in the shape of a cylinder having an open side 11 and open ends 12. The support 9 is pivotally connected with the base member 1 by means of a suitable stud 13 which extends through the support and base member, and the ends of which are upset to respectively bear against the rearward face of the base member and the forward face of the support. Extending across the open ends 12 of the support are a pair of ears 14 which slightly converge in a direction away from the base member and which are provided in their opposing faces with depressions 15 for the reception therein of projections 16 formed on the ends of the time glass 10. The time glass 10 is slightly less than half filled with a suitable material such as fine sand, indicated at 17, and the restricted central portion 18 of the time glass is of appropriate diameter to permit the material 17 to flow through the restricted portion 18 in approximately two minutes, the time ordinarily required for the proper brushing of the teeth. Inscribed on the exposed face of the time glass 10, adjacent one end thereof, is the indicia A. M., indicated at 19, and adjacent the opposite end of the time glass, the latter has inscribed on the exposed face thereof the indicia P. M., indicated at 20.

In the morning use of the dental rack and timer, the support 9 should be swung around its pivot 13 to position the indicia 19 at the upper end of the support, and the brushing operation of the teeth should continue throughout the entire length of time necessary for the material 17 to flow from the upper end portion of the time glass to the lower end portion thereof. In the evening or night use of the rack and timer, the support 9 should be again swung on its pivot to position the indicia 20 at the upper end of the

support in order that the material 17 may again flow through the restricted central portion 18. The indicia 19 and 20 serve as reminders that the teeth should be brushed twice a day and will always correspond with the time of day after the teeth have been brushed at the proper time.

The support 9 for the time glass 10 including the ears 14 forming a part of the support, is of slightly resilient material in order that the time glass may be conveniently removed therefrom if desired, and in order that the time glass may be readily replaced in case the same should become broken.

It is thought the many advantages of a dental rack and timer in accordance with this invention will be readily apparent, and although the preferred embodiment of the invention is as illustrated and described, it is to be understood that changes in the size, shape and arrangement of parts may be resorted to, so long as such changes fall within the scope of the invention as defined in the appended claim.

What I claim is:

In a dental rack and timer, a vertically disposed stationary support having an opening intermediate its ends, a revoluble suspension element permanently positioned against the front

of said support and formed of a hollow body part of uniform cylindrical cross section at any point throughout its length, said body part open at its front from end to end, said body part being formed centrally of its back with an opening registering with the opening in said support, means extending outwardly from said support, through said registering openings and connected to said body part and support for revolubly suspending said element and for connecting the latter against the front of the support, and a pair of opposed resilient coupling arms converging towards each other, integral at their rear ends with and extending from the ends of said body part, said arms being of materially less width and length than the diameter of and having the major portion of their length arranged and spaced from the sides of said body part, said arms having oppositely disposed outset portions adjacent the forward ends thereof to provide oppositely disposed depressions, and a time glass of less length than and positioned in said body part, said glass having pointed terminals seated in said depressions whereby said arms will couple the glass to said body part.

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