Nov. 10, 1936. C. M. TURSKY 2,060,598

TOOTH BRUSH CABINET

Filed Jan. 30, 1936 2 Sheets-Sheet 1

FIG. I.

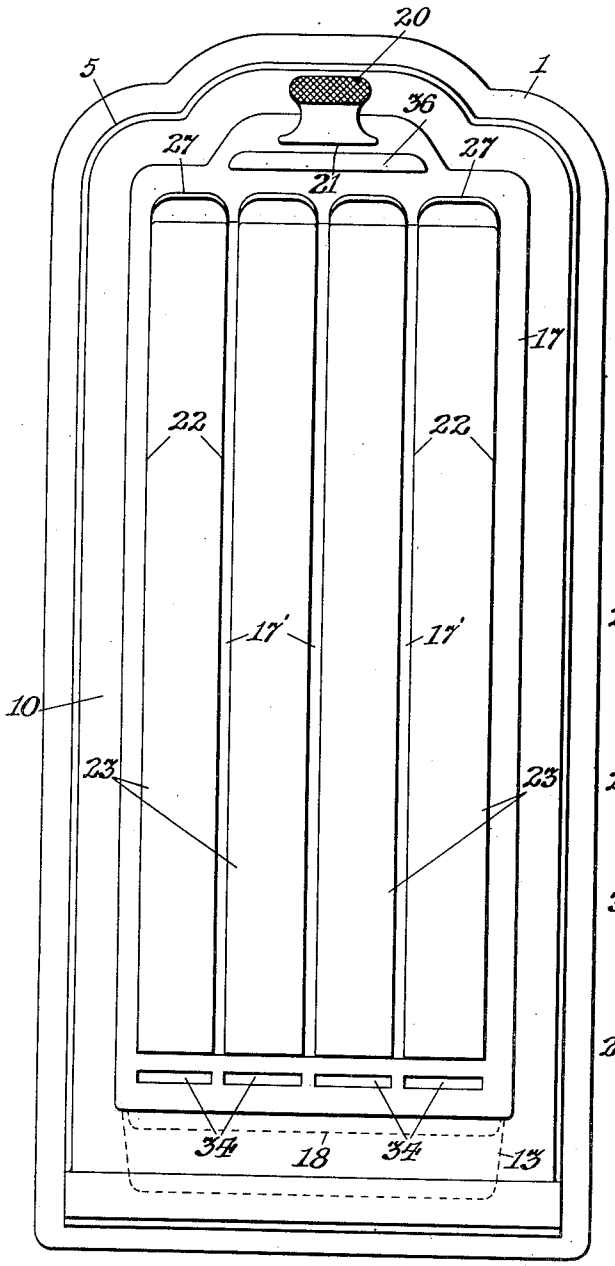
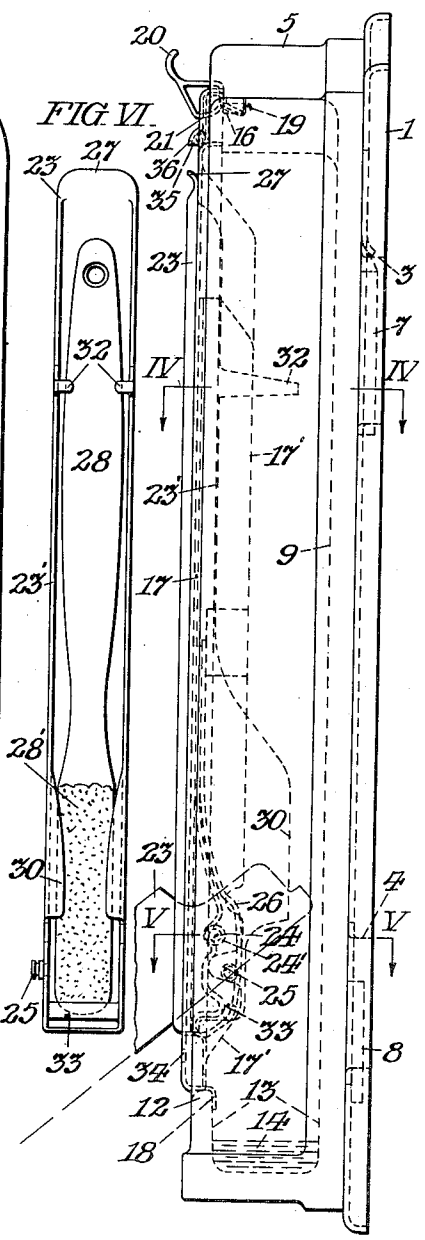


FIG. II.



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FIG. III.

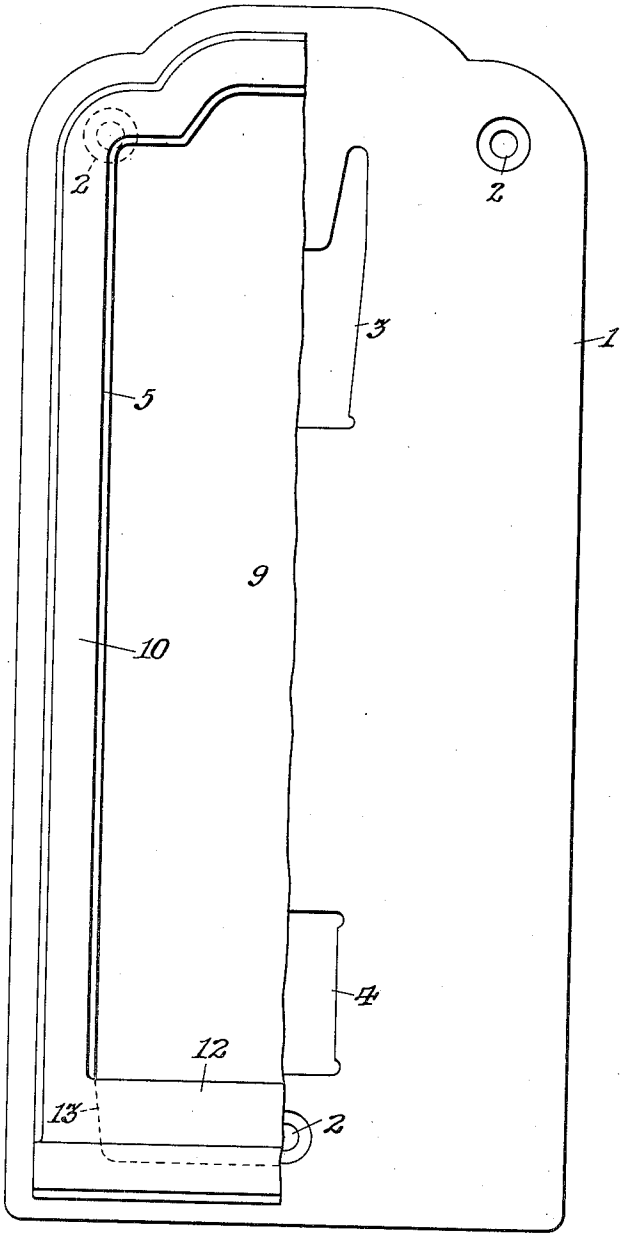


FIG. IV.

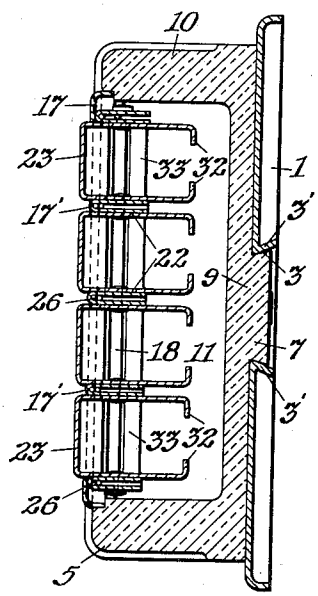
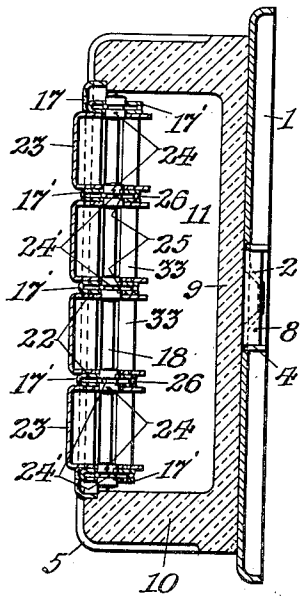


FIG. V.



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Patented Nov. 10, 1936

2,060,598

UNITED STATES PATENT OFFICE

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TOOTH BRUSH CABINET

Charles M. Tursky, Turtle Creek, Pa.

Application January 30, 1936, Serial No. 61,443

4 Claims. (Cl. 312—112.5)

It is the object and effect of my invention to provide an inclosure for a substantially secluded atmosphere in communication with a receptacle for a disinfectant or sterilizing material and in which toothbrushes may be normally held. Said inclosure is formed of three normally rigidly connected members which may be readily disconnected to be separately washed, including a rear metallic wall panel, a brush container which is a single concave piece of ceramic material, having at its lower end a pocket for the disinfectant, and a front metallic panel cover for the cavity of said container, having a plurality of parallel vertical openings for individual brush holders. Relatively oscillatory individual brush holders, each conveniently formed of sheet metal pressed to form a channel, are pivotally connected with said panel cover near their lower ends, so that they fit in and normally respectively close said parallel openings; each of said holders having individual spring means for stressing it to effect such closure.

My invention includes the various novel features of construction and arrangement hereinafter more definitely specified.

In said drawings; Fig. I is a front elevation of a cabinet conveniently embodying my invention.

Fig. II is an elevation of the right hand side of said cabinet.

Fig. III is a front elevation of a portion of the structure shown in Fig. I with said cover panel and the right hand half of said container removed, showing an elevation of the right hand half of said wall panel.

Fig. IV is a plan sectional view, taken on the line IV, IV in Fig. II.

Fig. V is a plan sectional view, taken on the line V, V in Fig. II.

Fig. VI is an inside elevation of one of said holders, with a brush therein.

In said figures, the metallic wall panel 1 has means for detachably connecting it with a wall, including three apertures 2 for screws or nails. Said panel 1 has openings 3 and 4 for detachable engagement with the brush container 5, which is conveniently formed of glass or other ceramic material, having supporting hook lugs 7 and 8 at the back thereof fitted for detachable engagement with said panel 1 respectively in the panel openings 3 and 4. Said lug 7 is a wedge which hooks laterally over flanges 3' on said panel, whereas lug 8 hooks downward.

Said container 5 has the rear wall 9 with the continuous edge wall 10 surrounding the cavity 11, which cavity extends below the lip 12 near the lower end thereof. Said lip 12, in cooperation with said rear wall 9 and edge wall 10, form a pocket 13 which is a convenient receptacle for a disinfectant or sterilizing material 14, which may be a liquid such as formaldehyde or a volatile solid material. Said container 5 has at the upper end of said cavity 11, the inwardly projecting lug 16 for detachably securing the cover panel 17 over said cavity.

Said cover panel 17 has, at the lower end thereof, the flange 18 fitted to extend downwardly into the cavity 13 behind said lip 12 and has, at the upper end thereof, the catch 19 which is a spring adapted for engagement with said inwardly projecting lug 16, to normally retain said cover panel 17 in detachable engagement with said container, until said panel is forced outwardly by manual pressure on the releasing lever 20, which is fulcrumed in the panel slot 21. Said cover panel has a plurality of brush holder openings 22, extending in parallel relation from near the bottom thereof to near the top thereof. Individual, relatively movable, brush holders 23 are respectively fitted in said parallel openings and each hingedly connected with the double flanges 17' on said cover plate 17 by a pair of removable pivots 24 extending through the holder flanges 23', near the lower ends of said holders. Each of said holders 23 has a crank pin 25, below its pivots 24, continually engaged by spring means for normally maintaining said holders in upright position, closed against the outer face of said cover panel 17. Such means conveniently consist of wires 26, seated in said panel flanges 17' and not only respectively stressing said crank pins, but holding said pivots in place, by engaging the circumferential grooves 24' of said pivots. Each of said holders has an outwardly curved flange 27 at the upper end thereof; whereby said holders may be manually engaged and independently swung outwardly and downwardly to insert or remove brushes 28.

Each of said holders 23 is conveniently formed of sheet metal pressed to form a channel, with said flanges 23' extended inwardly at its lower end to form opposite parallel side shields 30 for the brush papillae 28' and with opposite side prongs 32 for limiting the movement of any brush handle in said channel; thus keeping said brushes separated. Each holder 23 has a cross bar 33 for upholding a brush therein.

I provide means for ventilating said cavity 11, including air inlet ports 34 below each of said brush holder openings 22, and a restricted air vent 35 beneath the outwardly projecting ledge

36 formed by cutting and outwardly pressing the metal of said cover panel 17; whereby a plurality of said brushes may be normally individually separately supported in a substantially secluded and confined disinfecting or sterilizing atmosphere but in communication with said vent 35, for the escape of moisture.

I do not desire to limit myself to the precise details of construction and arrangement herein set forth, as it is obvious that various modifications may be made therein without departing from the essential features of my invention, as defined in the appended claims.

I claim:

1. In a toothbrush cabinet; an inclosure for a substantially secluded atmosphere, formed of two normally rigidly connected members which may be readily disconnected to be separately washed; including a brush container formed of ceramic material, and a front metallic cover panel for said container, having a plurality of openings for individual brush holders; means for rigidly but detachably connecting said two members; relatively oscillatory individual brush holders respectively fitted in said openings; means pivotally connecting said holders with said cover panel; and spring means for individually stressing said holders for normally closing said openings and holding the brushes in said atmosphere.

2. A structure as in claim 1, wherein each brush holder has opposite side shields for the brush papillae and guide prongs for the brush handle; whereby the brushes are held in separated position in said atmosphere.

3. In a toothbrush cabinet, a brush container, formed of glass, having a rear wall with a continuous edge wall surrounding a cavity extending below a lip near the lower end thereof; said lip, in cooperation with said rear wall and edge wall of said container, forming a pocket for disinfectant; said container having at the upper end of said cavity an inwardly projecting lug for detachably securing a cover panel over said cavity; a metallic cover panel, for the cavity in said container, having at the lower end thereof a flange fitted to extend downwardly in said cavity behind said lip and having at the upper end thereof a spring pressed catch, for engagement with said inwardly projecting lug of said container, to retain said cover panel in detachable engagement with said container; said cover panel having a plurality of brush holder openings extending in parallel relation from near the bottom thereof to near the top thereof; individual, relatively movable, brush holders respectively fitted in said parallel openings; hinge means, near the lower ends of said holders, independently pivotally connecting said individual holders with said cover panel; individual spring means respectively stressing said individual holders for normally maintaining them in upright position, closed against the outer face of said cover panel; and means at the upper end of each of said holders for manual engagement; whereby said holders may be independently swung outwardly and downwardly to insert or remove brushes; whereby a plurality of brushes may be normally individually separately supported in a secluded and substantially confined disinfectant atmosphere.

4. An individual toothbrush holder, formed of sheet metal, pressed to form a channel, having, at one end opposite parallel side shields for the brush papillae, and having opposite side prongs limiting the lateral movement of the brush handle in said channel; hinge means, extending transversely in each of said shields, for pivotally supporting said holder in an opening in a cabinet; and spring means, fitted in said channel, for stressing said holder to normally close said opening, with the brush within said cabinet.

CHARLES M. TURSKY.