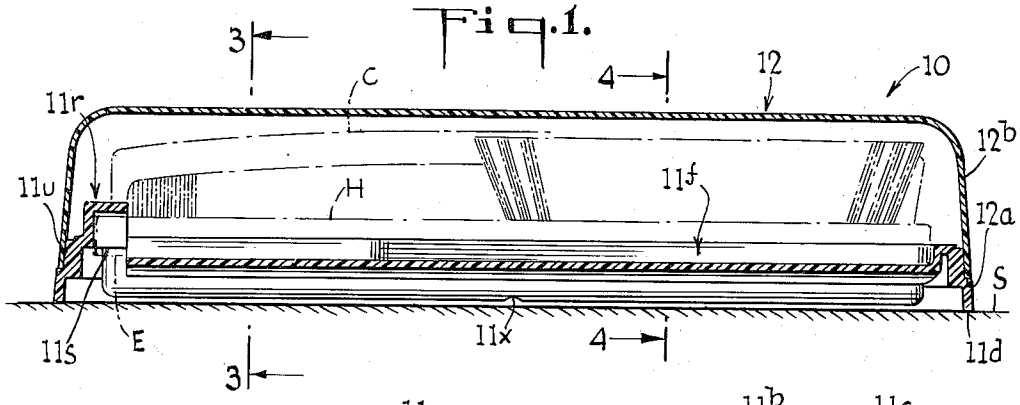
Aug. 7, 1951 C. CASTELLI 2,563,157

COVERED RECEPTACLE TRAY

Filed June 16, 1949

Fig.1.



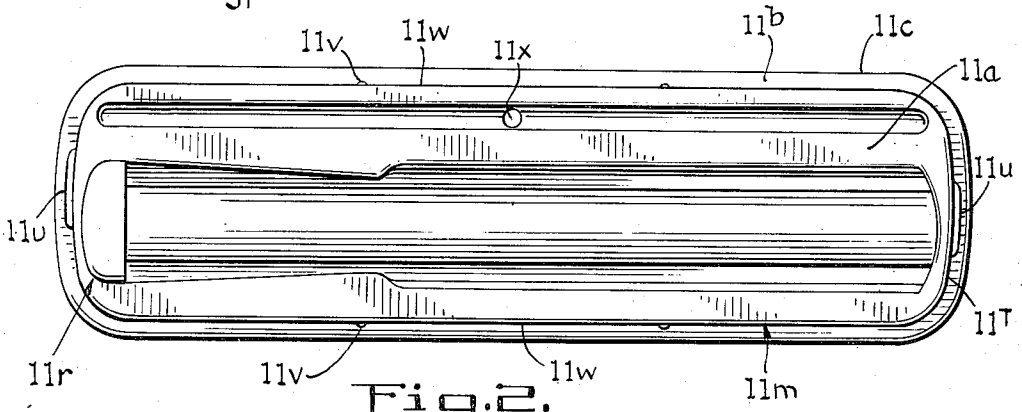


Fig.2.

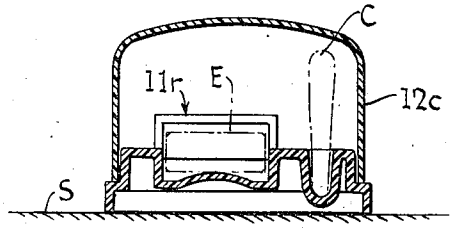


Fig.3.

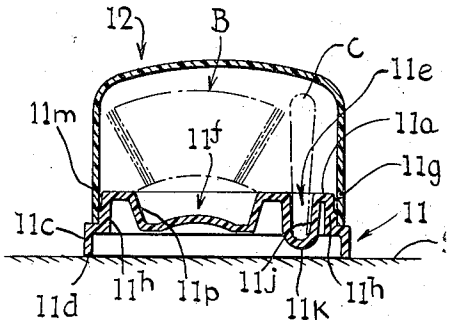


Fig.4.

INVENTOR.
CHARLES CASTELLI
BY
Erwin M. Barnett
ATTORNEY

Patented Aug. 7, 1951 2,563,157

UNITED STATES PATENT OFFICE

2,563,157

COVERED RECEPTACLE TRAY

Charles Castelli, Union City, N. J., assignor, by mesne assignments, to Columbia Protektosite Co. Inc., Carlstadt, N. J., a corporation of Delaware

Application June 16, 1949, Serial No. 99,403

6 Claims. (Cl. 132—85)

1

This invention relates to covered receptacle trays such as used for comb and brush sets and the like, and is particularly directed to receptacle trays molded of plastic resins having transparent covers for making the contents visible, for example, brush and comb sets and other toilet articles in an attractive easily accessible arrangement in use, and for transportation as a single combination article.

Among the objects of the invention is to generally improve covered receptacle trays of the character described comprising few and simple parts that are readily assembled to provide an attractive combination article for comb and brush sets and the like, which shall lend itself to quantity production, which shall be inexpensive to manufacture, which shall display the contents in an attractive manner by enhancing the appearance thereof, which shall be capable of being kept in a hygienic and sanitary condition, which shall serve as shipping container for the contents ready for sales display purposes, and which shall be practical and efficient to a high degree in use.

Other objects of this invention will in part be obvious and in part hereinafter pointed out.

The invention accordingly consists in the features of construction, combination of elements, arrangement of parts, and steps exemplified in the construction hereinafter described, and of which the scope of the application will be indicated in the claims following.

In the accompanying drawing in which possible illustrative embodiments of the invention are shown,

Fig. 1 is a cross sectional view taken centrally through a covered receptacle-tray for displaying comb and brush sets (shown in dotted lines) constructed to embody the invention, showing molded plastic structural features thereof.

Fig. 2 is a top plan view of the base tray shown in Fig. 1 with the cover removed showing the arrangement of wells for positioning the comb and brush, and

Figs. 3 and 4 are cross sectional views taken on lines 3—3 and 4—4, respectively, of Fig. 1 showing detail features of the molded plastic structure of the improved receptacle-tray.

Referring in detail to the drawing 10 denotes generally a covered receptacle-tray for use in attractively displaying and conveniently arranging and transporting toilet articles, such as a comb C and a brush B as a single combination article constructed to embody the invention.

Receptacle-tray 10 may preferably comprise a single-piece base or body 11 made of suitably

2

molded plastic resin, opaque colored material such as polystyrene, and a cover or dome 12 of a molded transparent clear or translucently tinted material to show therethrough said comb C and brush B removably fitted on said base 11, as shown in Figs. 1, 3 and 4.

Base or body 11 of receptacle-tray 10 may be molded with a thin wall of relatively uniform thickness in various selective opaque attractive colors to harmonize with the coloring or finish of the contents.

As here shown, base 11, may have an elongated top side 11*a* normally disposed in a horizontal plane and shaped to conform to an attractive arrangement of the contours of brush B and comb C which form said contents. Said top side 11*a* is supported on a raised or platform portion 11*b* which in turn projects upwardly in a stepped relation from a substantially vertically extending skirting side wall 11*c*, free bottom rim edge 11*d* of the latter lying in a horizontal plane parallel to the plane of said top side 11*a* for supporting the receptacle-tray 10 on a suitable horizontal flat surface S.

As seen from Figs. 1, 3 and 4, said top side 11*a*, platform 11*b* and skirting side walls 11*c* may be molded as a single relatively thin integral structure with the top side 11*a* provided with spaced apart depressions or wells 11*e* and 11*f* shaped and sized for receiving the comb C to upstand with relation to the top side 11*a* and the brush B having an extended handle H, respectively.

Depressions or wells 11*e* and 11*f* each may also be of thin walled structure integrally formed with top side 11*a*, platform 11*b* and skirting side wall 11*c*, all being of substantially the same, that is, of uniform thickness.

Said well 11*e* may extend lengthwise the top side 11*a* inwardly from a long edge 11*g* thereof to provide an inverted U-shaped cross-sectional construction between riser-wall 11*h* of platform 11*b* and adjoining depressed vertical wall portion 11*j* of the well 11*e* thereby reinforcing and strengthening the entire structure of said base 11 therealong. The bottom wall portion 11*k* of well 11*e* terminates short of the plane of skirting side wall rim edges 11*d*.

Depression or well 11*f* may similarly extend lengthwise the top side 11*a* inwardly from a long edge 11*m*, spaced from and in parallel alignment with said long edge 11*g* to provide a U-shaped cross-sectional construction between riser-wall 11*h* of platform 11*b* and adjoining depressed ver-

tical wall portion 11*p* of well 11*f* thereby reinforcing and strengthening the structure of base 11 therealong. The bottom wall portion 11*g* of well 11*f* may be shaped to conform to the contour back of brush B, so that well 11*f* closely cradles the brush B as is clear from Figs. 2, 3 and 4, bottom wall portion 11*g* extending at a spaced distance up from the plane of said rim edge 11*d*.

Brush handle H may have terminating end portion E thereof fitted into a rigid restrictive barrier hood 11*r* which is integrally molded to upstand from top side 11*a*, said hood extending over opening 11*s* at the end of well 11*f*, as shown in Fig. 1.

Said opening 11*s* connects the well 11*f* with the exterior under side of the base 11 as a draining and ventilating means for the well 11*f* and interior of receptacle-tray 10.

Cover or dome 12 may be made of molded material of uniform thickness and of a height sufficient to clear the comb C and brush B when said cover 12 is mounted in effective closure position on base 11, said cover 12 being provided with a rim edge 12*a* shaped and sized to conform to the contour of riser-wall 11*h* of platform 11*b* against which the rim edge 12 is clampingly fitted.

Suitable friction means between said platform riser-wall 11*h* and cover rim edges 12 may be provided for said clamp fit and as here shown, spaced apart opposite short riser-wall portions 11*t* of the platform riser-wall 11*h* each are provided with a boss extension 11*u* and long wall portion 11*w* of said riser-wall 11*h* each with small spacer projections 11*v*. Said boss extension 11*u* and spacer projections 11*v* may be molded as an integral part of the riser-wall 11*h*.

The utility of the invention will now be apparent. After base 11 and cover 12 have been molded in form, shape and relative size, as described above and shown in the drawing, with cover 12 removed from base 11, comb C may be seated in well 11*e* and brush B set into well 11*f*, the end portion E of comb handle H being inserted to extend under the hood 11*r*. Cover 12 can now be mounted in position by seating said rim edge 12*a* to clamp about riser-wall 11*h*.

The material of cover 12 and thickness thereof is such as to have resilient properties sufficient to permit a slight stretch of peripheral rim edge 12*a* thereof by clamping contact on boss extension 11*u*, the latter having a spreading action of the vertical cover end walls 12*b* and thereby draws opposite side walls 12*c* of cover 12 against spacer projection 11*v*, thus firmly retaining frictionally the cover 12 in effective closure position. Comb C and brush B with handle H, enclosed as described above in the covered receptacle-tray 10, are retained in a relatively nested position against displacement even when the receptacle-tray 10 with the contents is turned upside down.

For giving ready access to contents, the cover 12 can be simply raised from its closed position on base 11 against the above described frictional clamping action of the cover 12 mounting on base 11.

Receptacle-tray 10 can be readily kept clean and the contents confined with outlet opening 11*s* under hood 11*r* providing for drainage in cleaning operation and ventilation to the interior thereof.

Likewise, the comb well 11*e* may be provided if desired with a drainage opening 11*x* for cleaning and ventilation purposes.

It will thus be seen that there is provided improvements in covered receptacle-trays of molded plastic whereby the several objects of this invention are achieved and which is well adapted to meet the conditions of practical use.

As various possible embodiments might be made of the above invention, and as various changes might be made in the embodiments above set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawings is to be interpreted as illustrative and not in a limiting sense.

Having thus described my invention, I claim as new and desire to secure by Letters Patent:

1. In a receptacle-tray, a single-piece base molded with a thin wall of relatively uniform thickness throughout having a platform portion supporting an elongated top side thereof normally disposed in a horizontal plane, said platform portion projecting upward on a riser-wall in stepped relation from a vertically extending skirting side wall having a free bottom rim edge lying in a horizontal plane parallel to the plane of said top side, a plurality of elongated object-receiving wells extending lengthwise of said top side depressed down from said top side a distance short of said rim edge plane, said base formed with a U-shaped structural portion between said riser-wall and adjoining vertical walls of said wells for reinforcing the rigidity of said base, at least one of said wells having a through-opening at one end thereof communicating with an underside of the base, and a barrier hood extending above said opening for limiting movement of an object fitted in the well thereat against accidental displacement on moving said top side out of said horizontal plane.

2. The receptacle-tray, as defined in claim 1, in which said platform portion riser-wall is formed with spaced apart lateral extensions, in combination with a transparent single-piece molded closure cover of uniform thickness and of a height slightly greater than objects projecting above said top side when fitted in said wells, said cover having an open side formed with a slightly resilient rim edge shaped and sized to frictionally engage the riser-wall with said extensions having a spreading action for stretching the cover when in effective closed position mounted on said base.

3. The receptacle-tray, as defined in claim 1, in which said well having the through-opening and the barrier hood extending thereabove is shaped to conform to the contour of a hair brush with an extended handle lying on its back with bristles upstanding and with a free end of the brush handle projecting under said barrier hood and over the through-opening.

4. As an article of manufacture a receptacle-tray for a brush and comb set combination comprising a single-piece base molded with a thin wall of relatively uniform thickness throughout having a platform portion supporting an elongated top side thereof normally disposed in a horizontal plane, said platform portion projecting upward on a riser-wall in stepped relation from a vertically extending skirting side wall having a free bottom rim edge lying in a horizontal plane parallel to the plane of said top side, a plurality of elongated wells extending lengthwise of said top side depressed down from said top side a distance short of said rim edge plane, said base formed with a U-shaped structural portion between said riser-wall and adjacent vertical walls of said wells for reinforcing the rigidity of said base, a first of said walls being shaped to receive a hair brush with an elongated ex-

tending handle lying on its back with bristles upstanding, said first well having a through-opening at one end thereof communicating with an underside of the base, a barrier hood extending over said opening and slightly above a free end of the brush handle when the latter is positioned in said first well with bristles of the brush upstanding, said platform portion riser-wall being formed with spaced apart lateral extensions, a transparent single-piece molded closure cover of uniform thickness and of a height slightly greater than the brush bristles projecting above said top side when the brush is fitted in said first well, said cover having an open side formed with a slightly resilient rim edge shaped and sized to frictionaly engage the riser-wall with said extensions having a spreading action for stretching said cover rim edge to firmly clampingly retain the cover when in effective closed position mounted on said base, said cover and barrier hood serving to cooperate for limiting against displacement movement of said brush bristles and handle end, respectively, when the brush is positioned in said first well on moving said base top side out of said horizontal plane.

5. As an article of manufacture, a receptacle-tray for a brush having a single-piece rigid base of relatively uniform thickness supporting an elongated top side thereof normally disposed in a horizontal plane, an elongated brush receiving well extending lengthwise of said top side depressed down therefrom, said well having a through-opening at one end thereof, and a barrier hood extending above said opening for restricting movement of a handle end of a brush fitted in said well on tilting said top side out of said horizontal plane.

6. As an article of manufacture, a receptacle-tray for brush and comb set combination having a single-piece rigid base of relatively uniform thickness supporting an elongated top side thereof normally disposed in a horizontal plane, an elongated brush receiving well extending lengthwise of said top side depressed down therefrom, said well having a through-opening at one end thereof, a barrier hood extending above said opening for restricting movement of a handle end of a brush fitted in said brush receiving well on tilting said top side out of said horizontal plane, and an elongated comb receiving well extending lengthwise said top side depressed down therefrom at a spaced distance from said brush receiving well, said comb receiving well having a drainage opening therein.

CHARLES CASTELLI.

REFERENCES CITED

The following references are of record in the file of this patent:

UNITED STATES PATENTS

Number	Name	Date
1,699,263	Zadek	Jan. 15, 1929