Nov. 4, 1958 W. A. BAKER ET AL 2,858,956

ASH TRAY

Filed June 8, 1956

FIG. 1.

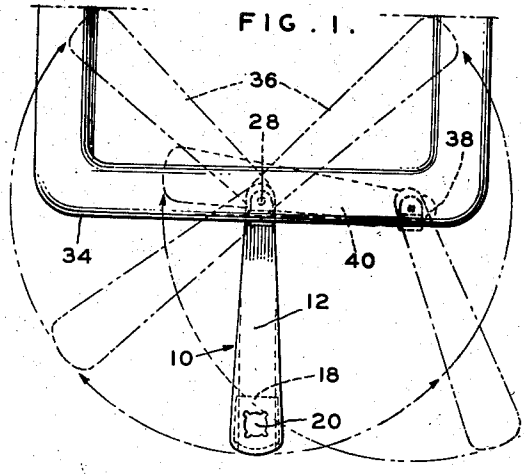
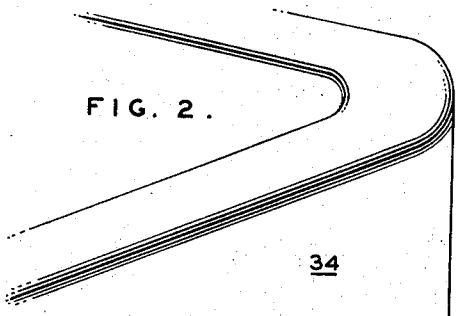


FIG. 2.



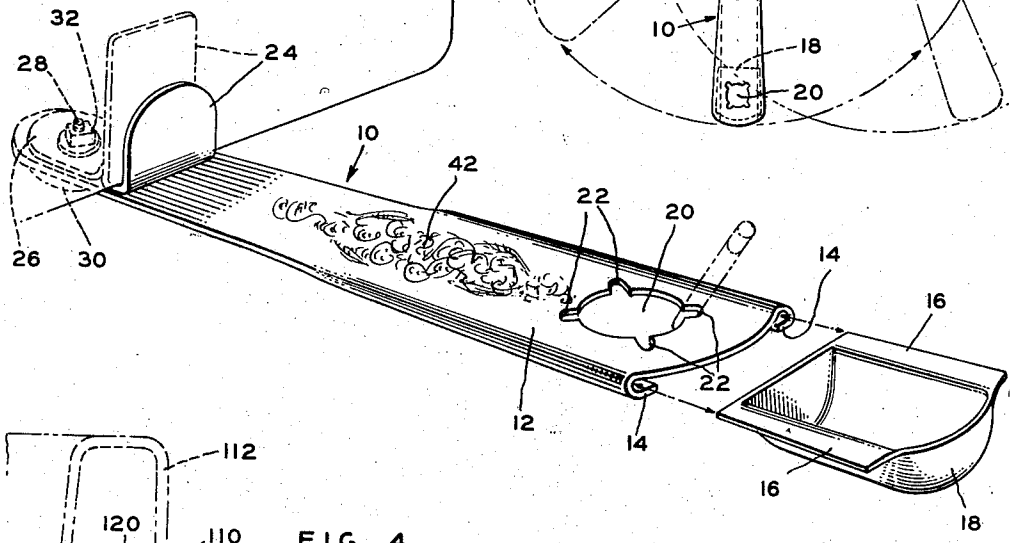


FIG. 4.

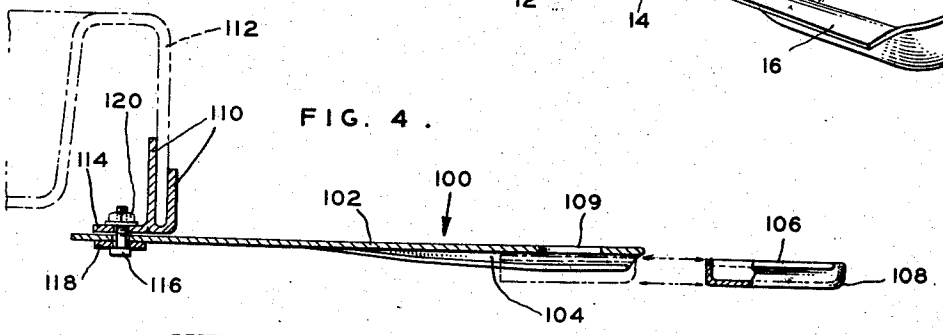
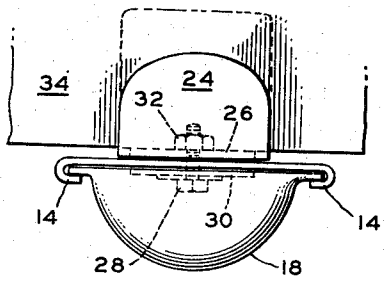


FIG. 3.



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ASH TRAY

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1 Claim. (Cl. 220—18)

This invention relates to ash trays and the like, and it particularly relates to ash trays adapted to be adjustably fixed to a bathroom sink or the like.

It is an object of the present invention to provide an ash tray which can be fixed to a bathroom sink or the like in such manner that it may be adjusted into various positions relative to the position of the user and easily accessible to him.

Another object of the present invention is to provide an ash tray which although securely fixed for adjustment is capable of being emptied easily and quickly.

Another object of the present invention is to provide an ash tray which, although adapted to be rapidly and easily adjusted to a desired position, may be also easily moved to a hidden position when not in use.

Other objects of the present invention are to provide an improved ash tray, of the character described, that is easily and economically produced, which is sturdy in construction, and which is highly efficient in operation.

With the above and related objects in view, this invention consists in the details of construction and combination of parts, as will be more fully understood from the following description, when read in conjunction with the accompanying drawing in which:

Fig. 1 is a top plan view showing various mounting and adjustment positions of an ash tray embodying the present invention.

Fig. 2 is a perspective view of the ash tray of Fig. 1.

Fig. 3 is a front elevational view of the ash tray of Fig. 1.

Fig. 4 is a cross-sectional view of an ash tray similar to that illustrated in Figs. 1, 2 and 3, but showing a modified form of receptacle.

Referring now in greater detail to the drawing wherein similar reference characters refer to similar parts, there is shown an ash tray, indicated generally as **10**, which comprises an arm **12**, preferably constructed of sheet metal, but which may also be constructed of a flexible plastic or other such material.

The side edges of the arm **12** are turned or crimped under to form inwardly extending flanges **14**. The crimped-under flanges form channel or rails for slidably mounting the outwardly extending flanges **16** projecting out from opposite upper edges of a receptacle **18**.

The receptacle **18** is preferably in the form of a relatively deep dish or bowl so that lighted cigarettes or cigars dropped thereinto will be more apt to be extinguished due to the cutting off of the air by the steep sides of the receptacle.

A hole or opening **20** is provided in the top surface of the arm **12** adjacent one end thereof, and the receptacle **18** is adapted to have its flanges **16** releasably fitted within the channels formed by crimped edges **14** and slid into a position underlying the opening **20**. When the receptacle is to be emptied, it is merely slid out from the channels into the released position shown in Fig. 2, emptied, and then returned to its position underlying opening **20**. The opening **20** is provided with spaced

slots **22** around its periphery; four such slots being illustrated. These slots act as clamping means to retain a cigarette, lit end down, within the receptacle, while the smoker is otherwise employed.

Adjacent the opposite end of arm **12** there is provided a clamping means or clip **24** made of spring metal or the like. This clip is connected to the arm **12** by means of a generally circular plate **26**, integral with or connected to the clip, as welding or the like, and extending laterally from the bottom end thereof.

The plate **26** is provided with a centrally-positioned hole through which is adapted to extend a bolt **28**. This bolt also extends through a corresponding opening or hole in the arm **12** and then through a mating opening in a second, generally circular, plate **30**. A nut **32** holds the bolt in place. The bolt, in this manner, acts as a pivotal connection for the arm **12**, whereby the arm may swing horizontally between the two plates **26** and **30** in a full arc of 360°. The clip **24**, by being clamped to the underside of a sink **34**, or other suitable fixture, acts as a fixed support for the plates **26** and **30**.

As illustrated in Fig. 1, by the above construction, the arm **12**, and the receptacle **18** connected thereto, may be swung into any arcuate position of adjustment merely by pushing or pulling the arm around bolt **28** as a pivot. Friction exerted upon the arm (No. **12**, Fig. 2) by the opposing plate (No. **28** and No. **30**, Fig. 2) will hold the arm in adjusted position. In this manner, the ash tray may be adjusted to a position handy to a person seated in the bathtub or to a position handy to a person seated on the toilet. When not in use, the ash tray may be adjusted into a hidden position under the top of the sink, as indicated in dotted outline at **36** in Fig. 1. If desired, the device may be connected to one side of the sink, as at **38** in Fig. 1, in order to move it closer to a desired position such as the bathtub or toilet seat. When mounted in such offset position, the ash tray may be adjusted to a hidden position such as indicated at **40**.

If desired, a nut-and-bolt or screw connection, or any other desired means may be substituted for the clip **24** illustrated.

The arm **12** may be provided with a design, indicia, advertising or any other desired decoration, indicated at **42**. It is also possible to use such decorative design or indicia on the bowl **18** because of its depth and relatively large surface area.

In Fig. 4 there is shown an ash tray **100** which is substantially identical with that described above in that it comprises an arm **102** having crimped edges **104** forming channels to hold the side flanges **106** of a receptacle **108**. It also has an opening **109**, similar to opening **20**, and a similar clamp or clip **110** adapted to be clamped to the underside of a sink **112**. The clip **110** is provided with a circular plate **114** similar to plate **26**. A bolt **116** extends through corresponding holes in plate **114**, arm **102** and a second circular plate **118**. Nut **120** holds bolt **116** in position. All this structure is substantially identical with the form of the invention shown in Figs. 1, 2 and 3 except the receptacle **108**. This receptacle differs from receptacle **18** in that it is shaped like a shallow tray rather than a bowl.

Although this invention has been described in considerable detail, such description is intended as being illustrative rather than limiting, since the invention may be variously embodied, and the scope of the invention is to be determined as claimed.

Having thus set forth and disclosed the nature of this invention, what is claimed is:

An ash tray comprising an elongated arm arranged to be suitably and detachably pivoted to the bottom edge of a vertical plane portion of a suitable support for movement between a position extending underneath the suit-

able support and a position extending beyond the suitable support, said arm having a bolt receiving aperture adjacent the supporting end thereof, a pair of plates having mating openings positioned on opposite sides of said apertured end of said arm, a securing bolt extending through the aperture in said elongated arm and said mating openings in said plates and a nut pivotally mounting said elongated arm between said plates, an upstanding U-shaped spring clamp mounted on the upper of said plates, said spring clamp being arranged to embrace the vertical plane portion of the suitable support, said elongated arm having a pair of downwardly and inwardly disposed reverted rails extending along the opposite edges thereof to the free end of said elongated arm, said elongated arm having an ash receiving hole extending therethrough between said opposite rails, and an ash receiving receptacle of greater dimensions than said ash opening, said receptacle having oppositely extending horizontal

flanges arranged to slide in said arm opposite rails and removably support said receptacle beneath said ash opening, said downwardly and inwardly reverted rails converging towards the top of said arm at their inner ends to limit sliding movement of said flanges inwardly and hence locate said ash receptacle beneath said ash receiving hole.

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