July 30, 1968 F. V. HERR ET AL 3,394,712

ASH RECEIVER

Filed Oct. 10, 1966

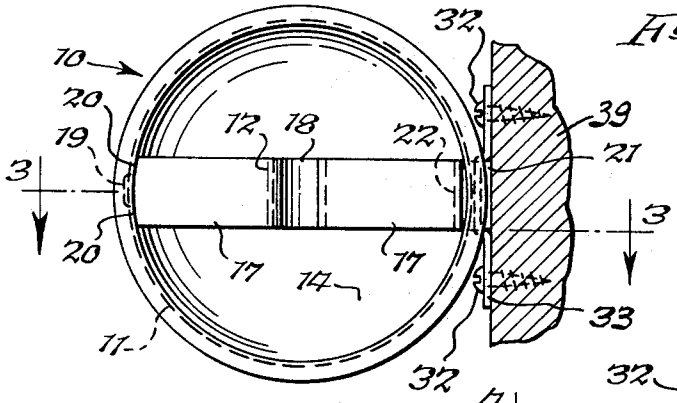


Fig. 1.

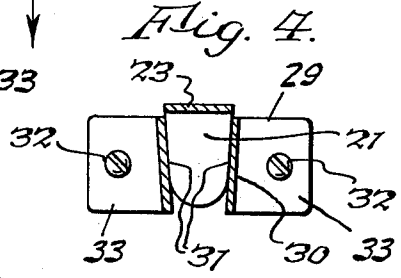


Fig. 4.

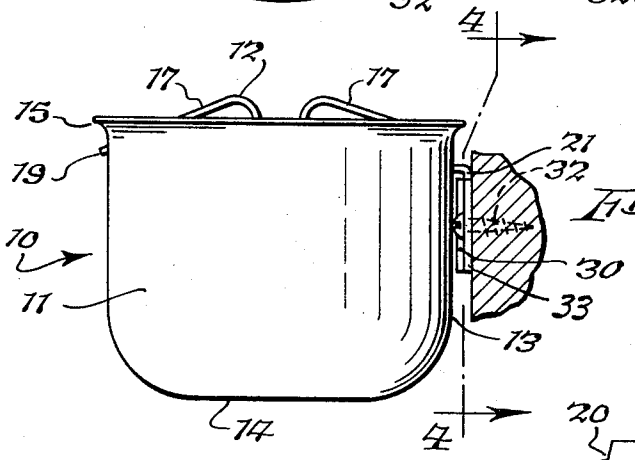


Fig. 2.

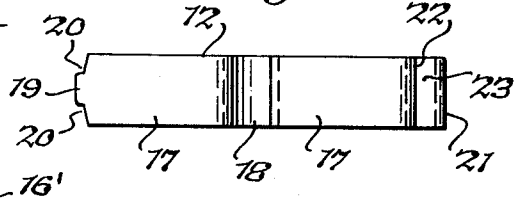


Fig. 5.

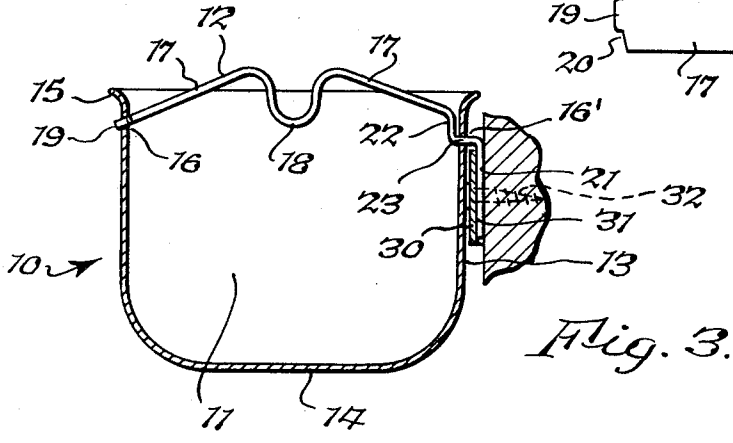


Fig. 3.

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ASH RECEIVER

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7 Claims. (Cl. 131—235)

This invention relates to a tobacco ash receiver and in particular to an ash receptacle having a new and useful mounting clip arrangement for supporting the receptacle from a chair or other structure.

Current practice provides variously configured snuffer bars extending across the open top of ash receptacles, the opposite ends of the snuffer bar commonly being secured to the receptacle adjacent the upper periphery thereof and terminating thereat. Where a mounting clip is provided, it is a separate member usually riveted or spot welded to the exterior of the receptacle to engage a mating support bracket secured to a chair or other supporting structure.

The manufacture of a separate mounting clip, and the separate mounting thereof on the ash receptacle require additional materials and manufacturing steps beyond those necessary to make and assemble the other component parts of the ash receiver and materially increases the cost thereof.

Accordingly, it is a primary object of the present invention to provide an ash receiver having a mounting clip which can be simply and economically constructed.

It is also an object of the present invention to provide an ash receiver having both a snuffer bar and a mounting clip using a minimum number of parts.

It is another object of the present invention to provide an ash receiver having an ash receptacle and a combination snuffer bar and mounting clip which is readily and easily secured to the receptacle in a manner simultaneously positioning the snuffer bar for extinguishing tobacco products and the mounting clip for supporting the receptacle.

In one aspect thereof, the present invention is characterized by a receptacle having an open top, side and bottom walls and a slot through its side wall adjacent the upper edge thereof, a snuffer bar member extending across the receptacle and through the slot and terminating in a laterally offset extension, the extension being laterally outwardly spaced from the side wall to provide a mounting clip for engagement with a support bracket.

Various other novel features of construction and advantages inherent in the ash receiver construction of the present invention are pointed out in detail in conjunction with the following description of a typical embodiment thereof considered in conjunction with the accompanying drawing depicting the same wherein like numerals represent like parts throughout the various views and wherein:

FIG. 1 is a plan view of an ash receiver constructed in accordance with the present invention, mounted on a supporting structure shown in fragmentary section;

FIG. 2 is a side elevational view thereof;

FIG. 3 is a vertical sectional view thereof taken about on line 3—3 of FIG. 1;

FIG. 4 is a cross sectional view of a mounting bracket for use with the ash receiver of the present invention being taken about on line 4—4 of FIG. 2; and

FIG. 5 is a plan view of the integral snuffer bar and mounting clip which forms a part of the ash receiver of the present invention.

Referring now to the drawing, there is shown one form of a tobacco ash receiver constructed in accordance with the present invention, generally designated **10**, comprising a two-part construction including an ash receiving bowl or receptacle **11** and a snuffer bar member **12**. Both receptacle **11** and member **12** preferably are formed of aluminum or other suitable metal. While not limited thereto, receptacle **11** is preferably an open top, generally cylindrical vessel having side and bottom walls **13** and **14**, respectively, the side wall terminating at its upper margin in an annular outwardly projecting lip **15**. A pair of slots **16** and **16'** are formed through side wall **13** in diametrically opposed relation just below lip **15**. For purposes which will become apparent, the slots are of unequal width with the right hand slot **16'** being the larger.

Snuffer bar member **12** extends across the open top of receptacle **11** between slots **16** and **16'** and has upwardly and inwardly extending portions **17** on opposite sides of a central, U-shaped gripper portion **18** generally coincident with the vertical axis or center of cylindrical receptacle **11** and generally in the horizontal plane formed by annular lip **15**. U-shaped portion **18** provides a holder for cradling the tobacco product and a surface against which the latter may be extinguished, the portions **17**, **18** thereby functioning as a snuffer bar.

A laterally reduced tab **19** projects from one end of snuffer bar member **12** forming a pair of shoulders **20** on opposite sides thereof. The other end of snuffer bar portion **17**, **18** terminates in a downturned extension **21** which is laterally outwardly offset from a downturned abutment **22** formed adjacent the lower end of the associated side portion **17**. The lower end of abutment **22** joins the upper end of extension **21** by a lateral shoulder portion **23**. The side edges of extension **21** taper downwardly, as seen in FIG. 4, whereby extension **21** forms a mounting clip for engagement in a support bracket **29**.

Bracket **29** comprises a rectangular base plate having a central, lateral offset **30** with downwardly and inwardly tapered side walls **31**. Fasteners **32** engage through suitable holes bored through side flanges **33** of plate **29** to secure the latter to a chair structure **39**.

To assemble the snuffer bar member with the receptacle, tab end **19** is inserted through the larger slot **16'** and member **12** is threaded therethrough until horizontal portion **23** engages through the larger slot and abutment **22** engages an inner face portion of side wall **13** above the larger slot **16'**. Tab end **19** is then urged toward abutment **23** and the snuffer bar portion resiliently flexes inwardly to permit tab **19** to snap into the opposite, smaller slot **16** with shoulders **20** engaging against adjacent inner face portions of side wall **13**. Thus, when assembled, the resiliency of snuffer bar **12** provided by the upwardly and inwardly inclined side portions **17** and recess **18** tends to space apart tab end **19** and abutment **23** and maintain the same in fixed engagement against the slotted side wall. This resiliency also fixes clip **21** in laterally outwardly spaced relation from side wall **13** so that ample clearance is provided for receiving the offset **30** of bracket **29** therebetween. Tapered clip **21** can thus be inserted downwardly between tapered side wall **31** of offset **30** to engage the same, whereby clip **21** is retained between offset **30** and chair structure **39**.

Thus, it is seen that our invention fully accomplishes its intended objects. There is provided an ash receiver having both a snuffer bar and a mounting clip using only two members which are readily fabricated and assembled.

Having thus described and illustrated a preferred embodiment of our invention, it will be understood that such description and illustration is by way of example only and that such modifications and changes as may suggest themselves to those skilled in the art are intended to fall within the scope of the present invention which is limited only by the scope of the appended claims.

What we claim is:

1. An ash receiver adapted for mounting on a support bracket comprising a receptacle having an open top, side and bottom walls and a slot through its side wall adjacent the upper edge thereof, and a snuffer bar member extending across said receptacle and having one end thereof engaging through said slot and terminating exteriorly of said receptacle in a laterally offset extension, said extension being laterally outwardly spaced from said one side wall to provide a mounting clip for engagement with a support bracket and said side wall having another slot substantially diametrically opposed to the first slot, said opposite end of said snuffer bar member having a tab projecting therefrom and a shoulder, said tab engaging into said other slot with said shoulder abutting the interior of said wall adjacent said other slot.

2. An ash receiver according to claim 1 wherein, said snuffer bar member has an abutment engaging the interior of said side wall adjacent said first slot, said snuffer bar member resiliently flexing said abutment and said opposite end outwardly against said side to hold said snuffer bar member in position and maintain said clip spaced from said side wall.

3. An ash receiver according to claim 1 wherein said clip projects downwardly from adjacent said first slot.

4. An ash receiver according to claim 3 wherein said abutment comprises a downturned portion of said snuffer bar member, said one end of said snuffer bar member including a horizontal portion engaging through said first slot and joining the lower end of said downturned portion and the upper end of said downwardly projecting clip.

5. An ash receiver according to claim 1 wherein said snuffer bar member includes a snuffer bar portion extending inwardly and upwardly from diametrically opposite sides of said receptacle and a central U-shaped gripper portion.

6. An ash receiver according to claim 5, said snuffer bar portion terminating at said one end of said member in a downturned abutment adjacent said first slot, said clip projecting downwardly adjacent said side wall, said one end of said member including a horizontal portion engaging through said first slot and joining the lower end of said downturned abutment portion and the upper end of said downwardly projecting clip.

7. An ash receiver according to claim 6, together with a mounting bracket having a downwardly and inwardly tapering recess, said downwardly projecting clip being tapered downwardly and inwardly along its side edges to engage in said recess.

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