Nov. 29, 1949 J. VISSER 2,489,550

ASH RECEPTACLE

Filed Aug. 12, 1948

Fig. 1

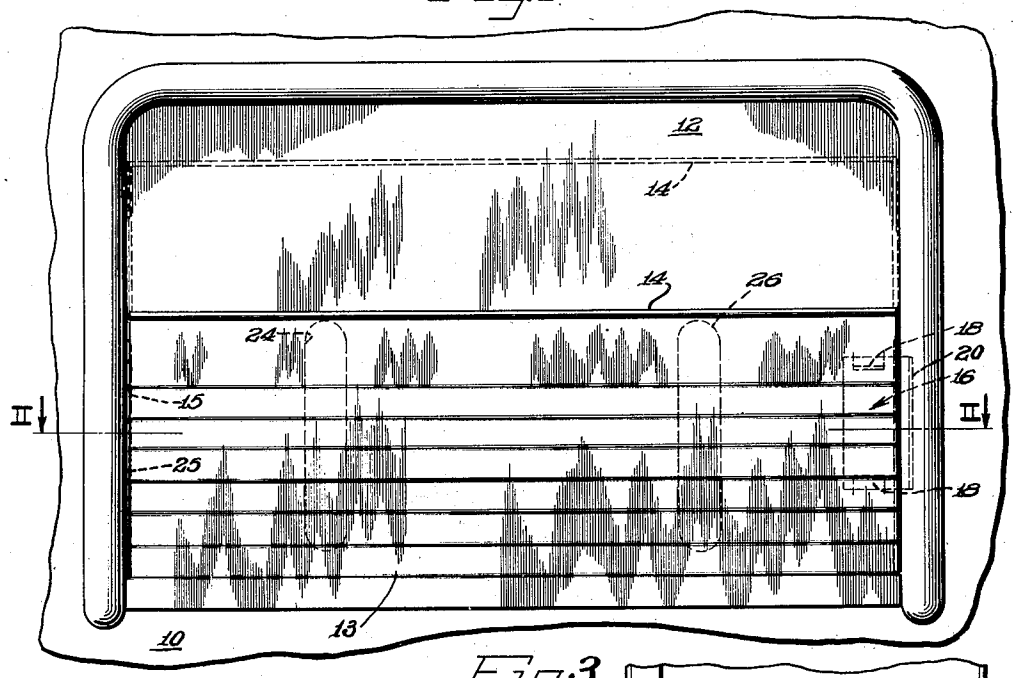


Fig. 2

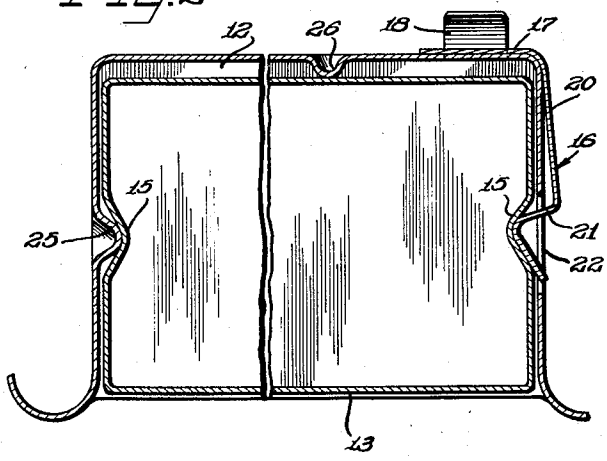
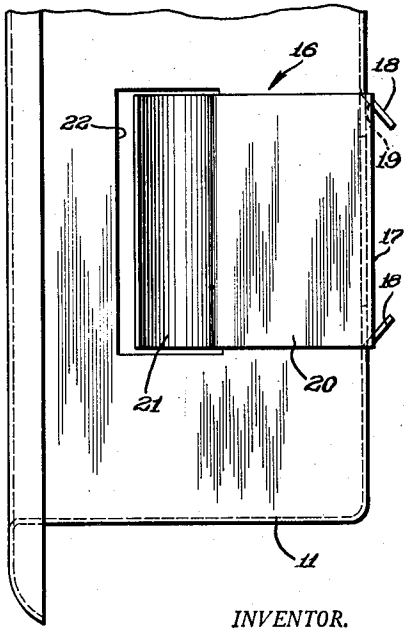


Fig. 3



INVENTOR.

John Visser

BY

The Firm of Charlesworth & Hills

Attys

Patented Nov. 29, 1949 2,489,550

UNITED STATES PATENT OFFICE

2,489,550

ASH RECEPTACLE

John Visser, Grand Rapids, Mich., assignor to F. L. Jacobs Co., Detroit, Mich., a corporation of Michigan

Application August 12, 1948, Serial No. 43,850

1 Claim. (Cl. 220—18)

1

This invention relates to a receptacle of the type used for containing ashes, cigarettes, etc., in a vehicle and more particularly to the detachable retention of an ash box of a receptacle of the foregoing type.

An object of this invention is to provide a simplified form of resilient means for detachably retaining the removable ash box in an ash receptacle structure.

Another object of this invention is to provide yieldable means in an ash receptacle assembly for holding the ash box against rattling and which can be readily deflected to permit removal of the ash box when it is desired to empty the same.

In accordance with the general features of this invention there is provided in a receptacle structure a recessed wall having an opening for receiving a removable ash box in the lower part thereof with the open upper end of the box accessible through the upper portion of the wall opening; the box having a depression in an end thereof and the wall having a spring secured thereto with a hump projecting through a slot in the wall for detachable yieldable engagement in the depression to retain the box in the opening.

Other objects and features of this invention will become more apparent from the following detailed description of the accompanying drawings which illustrate a single embodiment thereof and in which:

Figure 1 is a front view of my novel ash box assembly showing it applied to a panel which is illustrated by broken lines;

Figure 2 is a cross-sectional view taken on the line II—II of Figure 1 looking in the direction indicated by the arrows; and

Figure 3 is a fragmentary end view of the structure shown in Figure 2 and illustrating the spring for yieldably retaining the box in the wall opening of my assembly.

As shown on the drawings:

The reference character 10 designates generally any supporting panel or member having mounted in it a recessed or dished wall 11 which defines an ash box receiving opening 12 of a generally rectangular shape. This wall 11 may be permanently secured by any suitable means (not shown) to the supporting panel 10.

Detachably mounted to the bottom of the wall opening 12 is a removable ash box 13, the upper end of which is formed open and is normally covered by a lid 14 suitably hinged to the back of the box. This lid 14 is adapted to be moved upwardly and rearwardly in the wall opening 12 to

2

the dotted line 14 so as to afford access to the interior of the box for the disposing of materials such as matches, ashes, cigarettes, etc., therein.

It is, of course, clear that the lid 14 could be dispensed with in which event the top of the box would at all times be open. The box 13 has its end walls provided with vertical groove-like depressions 15—15 which may be made identical. One or both of these depressions, if desired, may be engaged by a resilient spring 16 for detachably and yieldably holding the box in the opening 12. It should be noted that while I have illustrated only one of these springs at the right hand end of the box, another one could be used at the left hand end in which event the spring structure would be identical to that which I shall now describe.

The spring 16 is preferably made of any suitable springy material such, for example, as spring steel and is generally of an L-shape with a rear leg 17 overlapping the back of the wall 11 and held in place by converging prongs 18—18 struck up from the back of the wall. These prongs 18 engage in notches 19—19 in side edges of the leg 17 to firmly attach the spring 16 to the back of the wall 11.

The other leg 20 of the spring extends forwardly along an end of the wall toward the front of the receptacle and is provided with a humped extremity 21. This humped extremity 21 projects through a slot 22 in the side or end of the wall 11 so as to engage in the right hand depression 15 of the box. It should be noted that the box may be made of any suitable material such, for example, as sheet steel or the like.

As noted before a similar spring 16 can be used at the other end of the box if the same is so desired. However, I find that satisfactory results may also be obtained by providing the other end of the wall 11 with an inwardly projecting vertical rib 25 arranged to engage in the right hand depression 15 of the box.

If it is so desired, the back of the wall may be provided with a plurality of vertical ribs 24 and 26 for engaging the back of the box to hold the box spaced from the back of the wall in the interior of the wall opening 12.

In the mounting of the box 13 in the wall opening, it is first aligned with the lower portion of the wall opening and then is pushed rearwardly into the opening. This results in the rib 25 entering the left hand depression 15 and the spring hump 21 being snapped into the right hand depression, thus yieldably holding the box under tension in the opening. The box may be easily

removed from the opening for the emptying of the same by the operator manually engaging the top of the box and pulling it outwardly.

From the foregoing it is clear that I have provided a very simple and inexpensive way of yieldably holding an ash box in an ash receptacle assembly of a general type such as is now so extensively used in automobiles and other vehicles.

I claim as my invention:

In combination in an ash receptacle structure, a recessed wall member having an opening, an ash box removably received in said opening, a side wall of said ash box having a depression therein, the wall member having a slot therein registering with said depression, converging tabs on said wall member, and a leaf-type spring having notched edges interengaged retainingly with said tabs and having a humped

portion extending through said slot and retainingly engaging in said depression, said tabs being located at the back of said wall member and said slot in the side of the wall member and said spring being of L-shape to fit against the back and said side of the wall member with the back leg interlocked with said tabs.

JOHN VISSER.

REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
1,687,327	DeBoer	Oct. 9, 1928
1,846,512	Dike	Feb. 23, 1932
2,467,620	Hendricks	Apr. 19, 1949