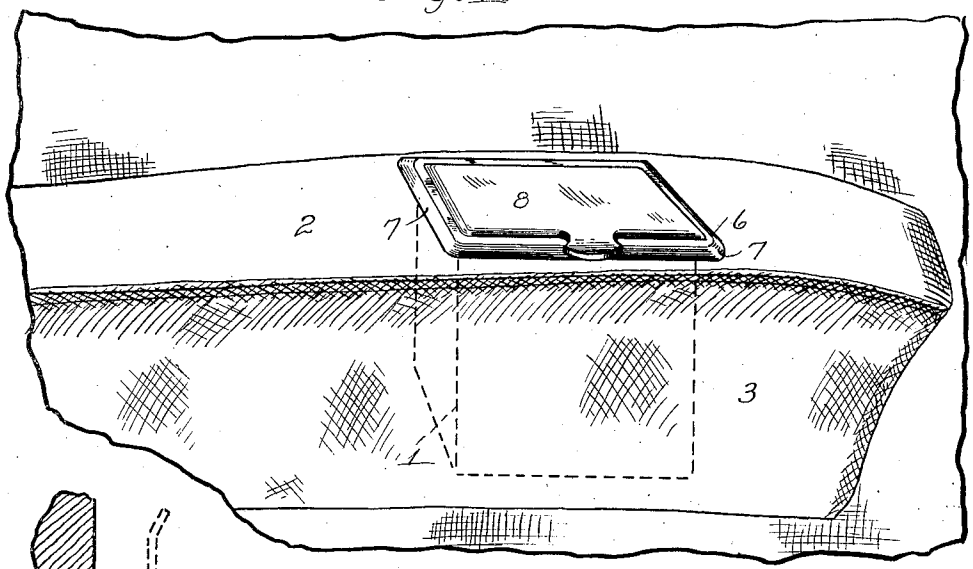
Oct. 9, 1928. 1,687,327

R. DE BOER

CONTAINER

Filed Nov. 21, 1927

Fig. 1.



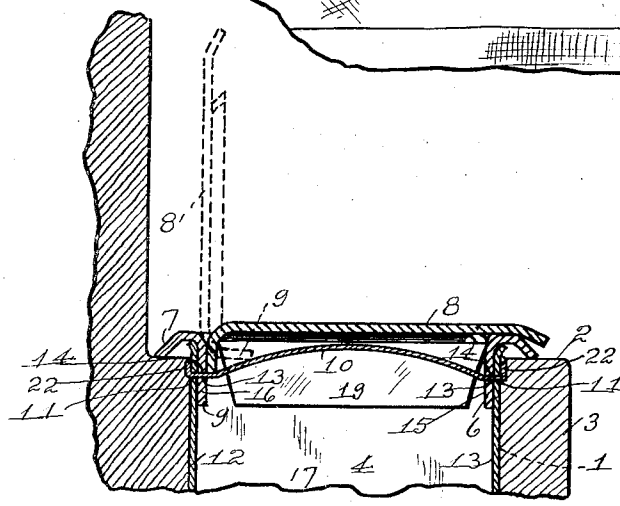


Fig. 2.

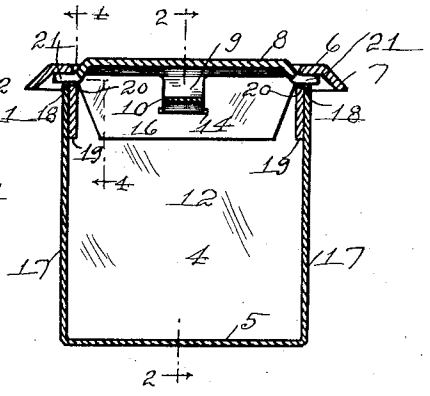


Fig. 3.

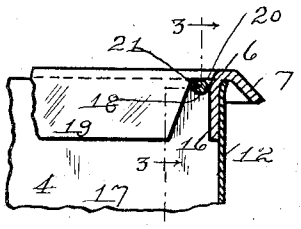


Fig. 4.

INVENTOR

Witness:
R. V. Rice.

Rudolph DeBoer
BY
Cyrus W. Rice
ATTORNEY

Patented Oct. 9, 1928. 1,687,327

UNITED STATES PATENT OFFICE.

RUDOLPH DE BOER, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR TO GRAND RAPIDS METALCRAFT CORPORATION, OF GRAND RAPIDS, MICHIGAN, A CORPORATION OF MICHIGAN.

CONTAINER.

Application filed November 21, 1927 Serial No. 234,695.

The present invention relates to containers, particularly such as are employed as ash-receivers mounted in automobiles, etc. and its object is, generally, to provide a device of that character improved in certain respects hereinafter appearing; and more particularly, to provide such a container having a cover and improved means for yieldingly holding the same in open and closed positions; and further, to provide improved means for securing the parts of such a container in assembled position, and more particularly, to provide as such means a spring functioning to hold the cover open or closed.

This object is attained by, and the invention finds preferable embodiments in, the structure hereinafter particularly described in the body of this specification and illustrated by the accompanying drawings, in which:

Figure 1 is a view in perspective of a container mounted in the arm of the seat of an automobile, or the like;

Figure 2 is a central vertical sectional view of the upper portion of the same taken on line 2—2 of Figure 3;

Figure 3 is a vertical sectional view of the container taken on line 3—3 of Figure 4; and

Figure 4 is a vertical sectional view of a portion of the same taken on line 4—4 of Figure 3.

In the embodiment of the invention illustrated by these drawings, a container for tobacco ashes or the like is shown mounted in a cavity 1 extending downwardly from the upper surface 2 of the arm 3 of the seat of an automobile or the like. This container comprises an open-top body member 4 having a bottom, and an annular member 6 surrounding the upper portion of the body member and having downwardly extending walls or flanges fittingly and removably engaging the vertical lateral walls of said body member and having also an outwardly extending flange 7 resting on said surface 2 and concealing the cavity 1. A cover 8 is mounted on these members 4 and 6 swingably to closed horizontal position shown in solid lines in all the views and to vertical open position seen in dotted lines in Figure 2. This cover has a downwardly extending arm 9 whose outer end slidingly engages in the cover's swinging movement the upper surface of a flat spring 10 which is bowed upwardly as seen in Figure 2, so as to yieldingly hold, by such engagement of the arm 9 therewith, the cover in either of said position to which it may be swung. The ends of this spring 10 are seated in horizontally elongated slots 11 through the opposite lateral walls 12, 13 of the body member 4 and in like slots 14 through the opposite downwardly extending walls or flanges 15, 16 of the annular member 6. The other opposite lateral walls 17 of the body member 4 are provided with upwardly-open bearings 18, and the other opposite downwardly extending walls or flanges 19 of the annular member 6 are provided with downwardly-open bearings 20 axially registering with the bearings 18. The cover has opposite spindles 21 each of which in the assembled position of the parts is turnably seated in the adjacent bearings 18 and 20.

It will be seen that the parts may be readily assembled by seating the spindles 21 in the bearings 18 in the body member 4; then placing the annular member 6 on the body member with the annular member's walls or flanges 15, 16, 19 inside the lateral walls 12, 13, 17 of the body member, and the annular member's bearings 20 receiving the spindles 21; whereupon the spring 10 is passed through the registering slots 11, 14 in the walls 12, 13, 15, 16, and its ends 22 bent to the position seen in Figure 2, whereupon all the parts are securely held in assembled position.

The invention being intended to be pointed out in the claims, is not to be limited to or by details of construction of the particular embodiment thereof illustrated by the drawings or hereinbefore described.

I claim:

1. In a device of the character described: an open-top container having opposite lateral walls; a cover mounted on the container swingably to open and closed positions and having a downwardly extending arm; a spring mounted at its ends on said walls respectively, bowed upwardly between the same and engaging the arm to yieldingly hold the cover in swung position.

2. In a device of the character described: an open-top container having opposite lateral walls provided with horizontally-elongated slots therethrough; a cover mounted on the container swingably to open and closed posi-

tions and having a downwardly extending arm; a flat spring non-turnably mounted at its ends in the slots, bowed upwardly between said walls and engaging the arm to yieldingly hold the cover in swung position.

3. In a device of the character described: an open-top container comprising a body member having opposite lateral walls, and an annular member having downwardly extending walls removably engaging the first-mentioned walls, said walls of one of said members being provided with downwardly-open bearings and said walls of the other of said members being provided with upwardly-open bearings in axial registration with the first-mentioned bearings; a cover having opposite spindles turnably seated in the first-mentioned and in the second-mentioned bearings.

4. In a device of the character described: an open-top container comprising a body member having opposite lateral walls, and an annular member having downwardly extending walls removably engaging the first-mentioned walls, said walls of one of said members being provided with downwardly-open bearings and said walls of the other of said members being provided with upwardly-open bearings in axial registration with the first-mentioned bearings; a cover having opposite spindles turnably seated in the first-mentioned and in the second-mentioned bearings; means extending through the walls of said members for fastening the parts together.

5. In a device of the character described: an open-top container comprising a body member having opposite lateral walls, and an annular member having downwardly extending walls removably engaging the first-mentioned walls, said walls of one of said members being provided with downwardly-open bearings and said walls of the other of said members being provided with upwardly-open bearings in axial registration with the first-mentioned bearings; a cover having a downwardly extending arm and opposite spindles turnably seated in the first-mentioned and in the second-mentioned bearings; each of said members having also other opposite downwardly extending walls; a spring mounted at its ends thereon, bowed upwardly therebetween and engaging the arm to yieldingly hold the cover in swung position.

6. In a device of the character described: an open-top container comprising a body member having opposite lateral walls, and an annular member having downwardly extending walls removably engaging the first-mentioned walls, said walls of one of said members being provided with downwardly-open bearings and said walls of the other of said members being provided with upwardly open bearings in axial registration with the first-mentioned bearings; a cover having a downwardly extending arm and opposite spindles turnably seated in the first-mentioned and in the second-mentioned bearings; each of said members having also other downwardly extending walls provided with registering slots therethrough; a spring mounted at its ends in the slots and engaging the arm to yieldingly hold the cover in swung position.

In testimony whereof I have hereunto set my hand at Grand Rapids, Michigan, this 17th day of November, 1927.

RUDOLPH DE BOER.