Jan. 29, 1929. 1,700,121

R. DE BOER

WALL POCKET

Filed Feb. 21, 1927

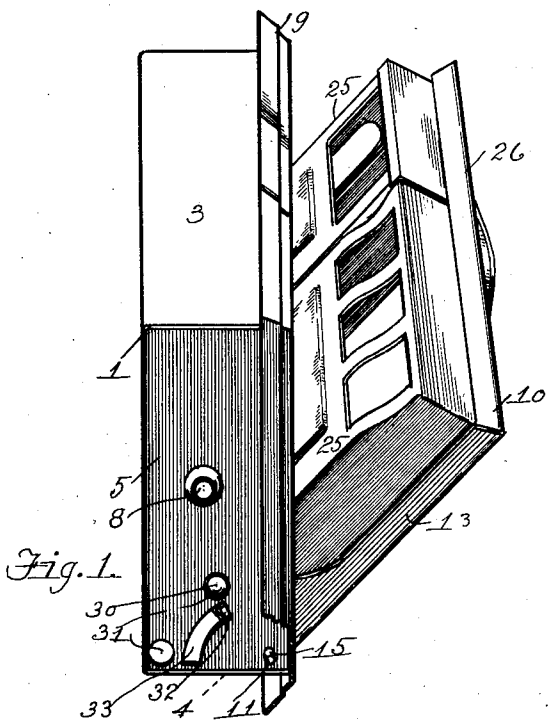


Fig. 1.

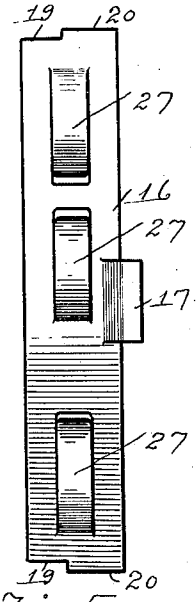


Fig. 5.

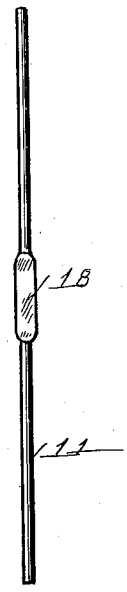


Fig. 6.

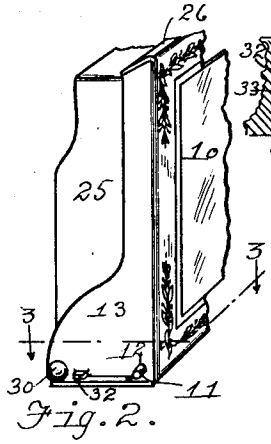


Fig. 2.

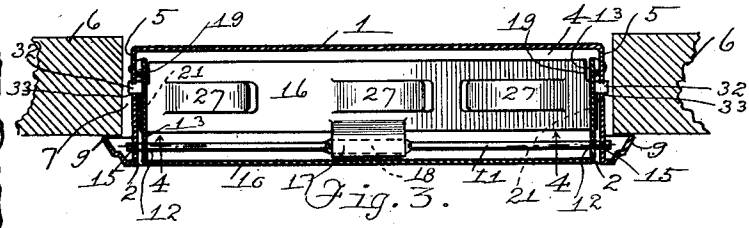


Fig. 3.

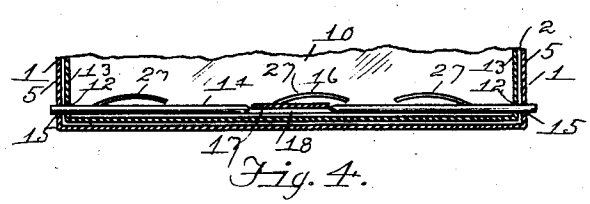


Fig. 4.

INVENTOR

Rudolph DeBoer

BY Cyrus W. Rice

ATTORNEY

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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.

WALL POCKET.

Application filed February 21, 1927. Serial No. 169,909.

The present invention relates to "wall pockets", i. e., such containers, etc. as are mounted in the walls of automobiles and the like; and its object is, generally, to provide an improved device of this character; and more particularly, to provide improved means for assembling and disassembling the parts thereof.

This and any other objects hereinafter appearing are attained by, and the invention finds preferable embodiment 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 of a wall pocket looking toward the upper left-hand corner thereof, its closure being open;

Figure 2 is a view in perspective of a portion of the same, its closure being shut;

Figure 3 is a horizontal sectional view thereof taken on line 3—3 of Figure 2;

Figure 4 is a vertical sectional view of certain parts of the same taken on line 4—4 of Figure 3;

Figure 5 is a top plan view of a detent member of the device; and

Figure 6 is a top plan view of a pintle member thereof.

The device as illustrated by said drawings comprises a base member 1, substantially rectangular in form and having an opening 2 between its top and bottom walls 3, 4 and its side walls 5, 5. This base member is mounted in a wall 6, extending into a cavity 7 therein, and is secured in position by suitable means as by screws passing through holes 8 in its side walls 5 and engaging the wall 6 of the automobile or other structure, the flanges 9 of this base member serving to cover and conceal said cavity 7. The base member's opening 2 is closed by a closure 10 swingably mounted on the base member by a pintle 11 extending through holes 12 in the closure's side walls 13 and having its opposite ends turnable in bearings 15 in the base member's side walls 5. This closure may be assembled in the base member and disassembled therefrom by moving this pintle longitudinally from its normal position (seen in Figures 3 and 4) far enough to withdraw one of its ends from its bearing 15 and hole 12, whereupon said end may be moved or sprung upwardly, and the closure inserted (for assembling) into the opening 2, and thereafter said end of the pintle may be moved or sprung back and inserted through the hole 12 and into the bearing 15 by the reverse longitudinal movement of the pintle. This pintle 11 is releasably held in its normal position (seen in Figures 3 and 4) by a detent 16 having a portion 17 releasably engaging the pintle's portion or recess 18 to lock the pintle against movement from its said normal position. This detent (as illustrated) is a flat strip of spring metal whose opposite ends 19 abut on the inner surfaces of the closure's side walls 13 respectively, and whose end extensions 20 engage in recesses 21 respectively, to hold the detent in its operative position. This detent, at its middle, may be sprung upwardly to release its portion 17 from the pintle's portion or recess 18, and to release its extensions 20 from the recesses 21, in order to remove the detent from the closure. This detent is additionally held releasably in its normal and operative position by a member, such as the containers 25 inserted into the closure in a position wherein their upper ends abut on the closure's inwardly-extending top wall 26 and their lower ends abut on the upper surface of the detent, or on its upwardly-extending spring portions 27.

The closure's side walls 13 may be provided with projections 30 adapted to springably seat releasably in one or the other of the angularly-spaced recesses 31 in the base member's side walls 5 in the open or closed position of the closure; and said closure may have short extensions 32 traveling in the base member's slots 33 to limit the closure's swinging movement.

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: a base member having an opening and opposite walls each provided with a rotary bearing; a swingable closure for said opening having a pintle longitudinally movable to a normal position wherein its ends turn in the bearings respectively and to another position wherein one of its ends is withdrawn from its bearing, the pintle having a portion lockingly engaged by the hereinafter-mentioned detent; a detent carried by the closure

and having a portion releasably engaging the pintle's said portion to lock the pintle against movement from its normal position.

2. In a device of the character described: a base member having an opening and opposite walls each provided with a rotary bearing; a swingable closure for said opening having side walls and a pintle extending through the closure's said walls and being longitudinally movable to a normal position wherein its ends turn in the bearings respectively and to another position wherein one of its ends is withdrawn from its bearing, the pintle having a portion lockingly engaged by the hereinafter-mentioned detent; a detent whose ends abut on the closure's said walls respectively and having a portion releasably engaging the pintle's said portion to lock the pintle against movement from its normal position, the detent being springable to a position wherein its said portion is released from the pintle's said portion.

3. In a device of the character described: a base member having an opening and opposite walls each provided with a rotary bearing; a swingable closure for said opening having side walls and a pintle extending through the closure's said walls and being longitudinally movable to a normal position wherein its ends turn in the bearings respectively and to another position wherein one of its ends is withdrawn from its bearing, the pintle having a portion lockingly engaged by the hereinafter-mentioned detent; a detent whose ends abut on the closure's said walls respectively and having a portion releasably engaging the pintle's said portion to lock the pintle against movement from its normal position, the detent being springable to a position wherein its said portion is released from the pintle's said portion; a member releasably abutting the detent to hold the same in its locking engagement with the pintle.

4. In a device of the character described: a base member having an opening and opposite walls each provided with a rotary bearing; a swingable closure for said opening having side walls and a pintle extending through the closure's said walls and being longitudinally movable to a normal position wherein its ends turn in the bearings respectively and to another position wherein one of its ends is withdrawn from its bearing, the pintle having a portion lockingly engaged by the hereinafter-mentioned detent; a detent whose ends abut on the closure's said walls respectively and having a spring and a portion releasably engaging the pintle's said portion to lock the pintle against movement from its normal position, the detent being laterally movable to a position wherein its said portion is released from the pintle's said portion; a member releasably abutting compressingly the detent's spring to hold the detent in its locking engagement with the pintle.

5. In a device of the character described: a base member having an opening and opposite walls each provided with a rotary bearing; a swingable closure for said opening having a top wall and side walls and a pintle extending through the closure's side walls and being longitudinally movable to a normal position wherein its ends turn in the bearings respectively and to another position wherein one of its ends is withdrawn from its bearing, the pintle having a portion lockingly engaged by the hereinafter-mentioned detent; a detent having a portion releasably engaging the pintle's said portion to lock the pintle against movement from its normal position; an open-top container member releasably abutting at one end on the closure's top wall and at the other end on the detent to hold the same in its locking engagement with the pintle.

In testimony whereof I have hereunto set my hand at Grand Rapids, Michigan, this 8th day of February, 1927.

RUDOLPH DE BOER.