Dec. 26, 1950 A. F. REILLY 2,535,455

COMPACT

Filed June 10, 1948

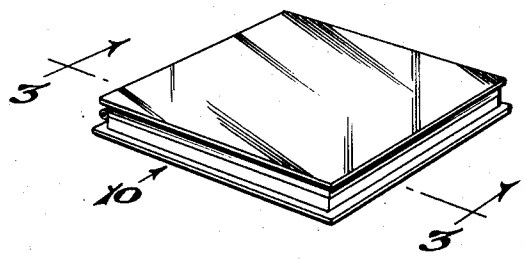

Fig. 1.

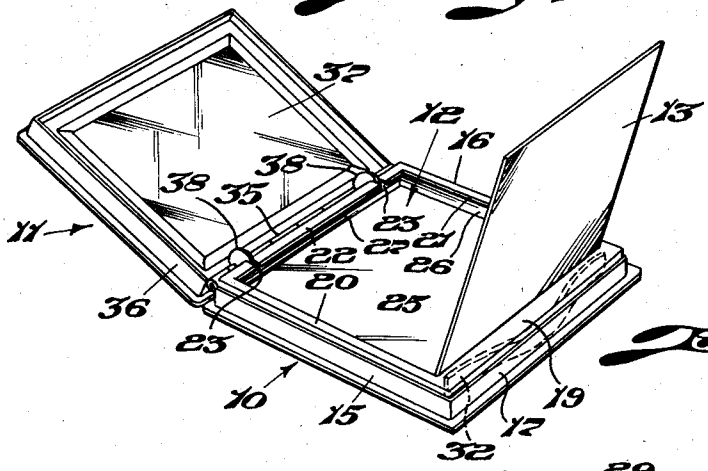

Fig. 2.

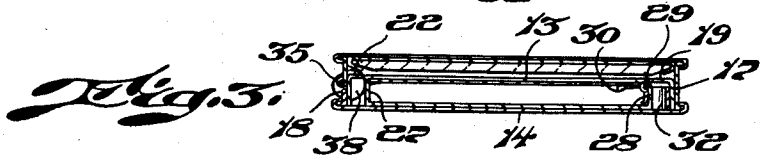

Fig. 3.

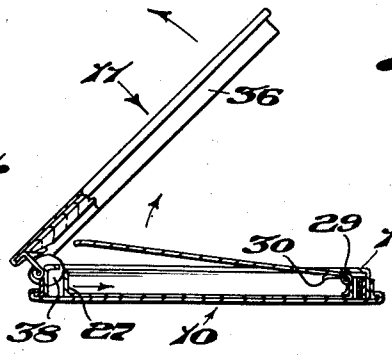

Fig. 4.

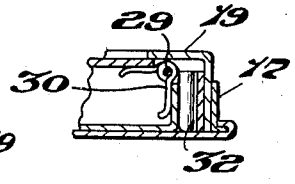

Fig. 5.

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COMPACT

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1 Claim. (Cl. 220—36)

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This invention relates to a receptacle, more particularly of a type used for face powder.

It is usual in the construction of a compact to provide a mirror in the cover of the compact so that when the cover is raised to expose the contents of the compact the mirror will be in a position for convenient use. In some cases a door is provided for closing the powder container, and in such cases, the door must be opened by another movement by the operator for lifting the door from closed position in order that the powder may be exposed for use.

One of the objects of this invention is to provide a receptacle in which there will be a cover for mounting the mirror and a separate door for closing the powder compartment by providing such an arrangement that when the cover is raised, the door of the powder compartment will also open to expose the powder.

Another object of this invention is to provide an arrangement so that the door for the powder compartment will not only open when the cover of the compact is opened, but will also close by merely closing the cover of the compact so that it is unnecessary to separately actuate the two closing members.

With these and other objects in view, the invention consists of certain novel features of construction, as will be more fully described and particularly pointed out in the appended claim.

In the accompanying drawings:

Figure 1 is a perspective view of the compact in closed position;

Figure 2 is a perspective view of the compact in open position;

Figure 3 is a sectional view on substantially line 3—3 of Figure 1; and

Figure 4 is a view similar to Figure 3 but illustrating the parts in partly open position, as will result by a movement of the cover in the direction of its arrow.

Figure 5 is a fragmental sectional view on a larger scale.

In proceeding with this invention, I provide a receptacle in which there is located a slidable container for the powder having a door hinged thereon. The slidable container is movable beneath an overhanging lip or flange, so that when the container is moved in one direction, the lip or flange will engage the door and move it to closed position. A spring actuates the container in one direction, while cams attached to the cover actuate the container in the other direction; thus by merely moving the cover to and from closed position, I may actuate the door for the powder container.

With reference to the drawings, 10 designates generally the body of the receptacle to which there is hinged a cover designated generally 11, while 12 designates generally a powder container

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which is slidably mounted in the body 10 and has a cover 13 hinged thereto.

The body 10 comprises a bottom wall 14 with opposite side walls 15 and 16 and opposite end walls 17 and 18. The end wall 17 has a flange or lip 19 extending inwardly from its upper edge and likewise the other side walls have inwardly extending lips 20, 21, and 22, although of the lesser extent. The end wall 18 and also its flange 22 is provided with slots 23 at spaced locations therein.

The powder container 12 has a rectangular bottom wall 25 with opposite side walls 26, and end wall 27 adjacent the end wall 18 of the body, and an end wall 28 adjacent the other end of the container and adjacent the end wall of the body. The door 13 is hinged to this end wall 28 as at 29, and a spring 30 coiled about the hinge acting on the door 13 and against the end wall 28 of the container will serve to swing the door open, if unrestricted. A leaf spring 32 is positioned between the end wall 28 of the container and the end wall 17 of the body to slide the container lengthwise in the box toward the hinge connection between the body 10 and its cover 11. There is sufficient movement of the container in the box so that this spring will move the same out from under the flange 19 to permit the door 13 to swing open to substantially the position shown in Figure 2 where it engages the edge of the flange 19 which limits its further opening movement. This provides sufficient opening for easy access to the contents of the container which will receive powder. If the container is slid toward the wall 17, the edge of the flange 19 will engage the door 13 and swing the door to closed position.

The cover 11 is hinged to the end wall 18 of the body by a hinge connection 35 comprising rolled eyes on the end wall 18 and rolled eyes on the flange 36 of the cover 11. These flanges 36 serve to hold a mirror 37 on the under side of the cover 11 and in a position for use when the compact is open. Cams 38 are secured to the cover 37 and are located for movement through the slots 23 so as to engage the end wall 27 of the powder container. Thus, as the cover is swung from the open position shown in Figure 2 where the powder container is moved by the spring 32 to its furthest position toward the hinge 35, the cams 38 will engage the end wall 27 of the powder container and slide it in the body against the action of the spring 32 to slide the container beneath the flange 19 and thus swing the door 13 into closed position as the cover 11 is moved into closed position. Thus, on opening the compact by movement of the cover to open position, the cams permit the spring 32 to act to slide the container so that the door 13 will open under the action of spring 30, while closing

may be effected by a reverse movement, as above described. The parts may be maintained closed by a frictional telescoping of the flange 36 and rabbeted edge of the end wall 17 or by any other desired catch which may be of usual form.

I claim:

A receptacle comprising a body having bottom and side walls, one of said side walls having spaced slots therein, a cover hinged to the slotted side wall to provide a closure therefor, a container slidably mounted in said body, a spring acting between said container and body to urge the container in the direction of said slotted side wall, spaced cams fixed to the cover and acting through said slots, said cams contacting the adjacent wall of the container for urging the container in the other direction against the action of said spring, a door on said container and means responsive to the movement of the container relative to the body for actuating the door on the container.

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REFERENCES CITED

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

UNITED STATES PATENTS

Number	Name	Date
2,193,307	Tippett	Mar. 12, 1940