

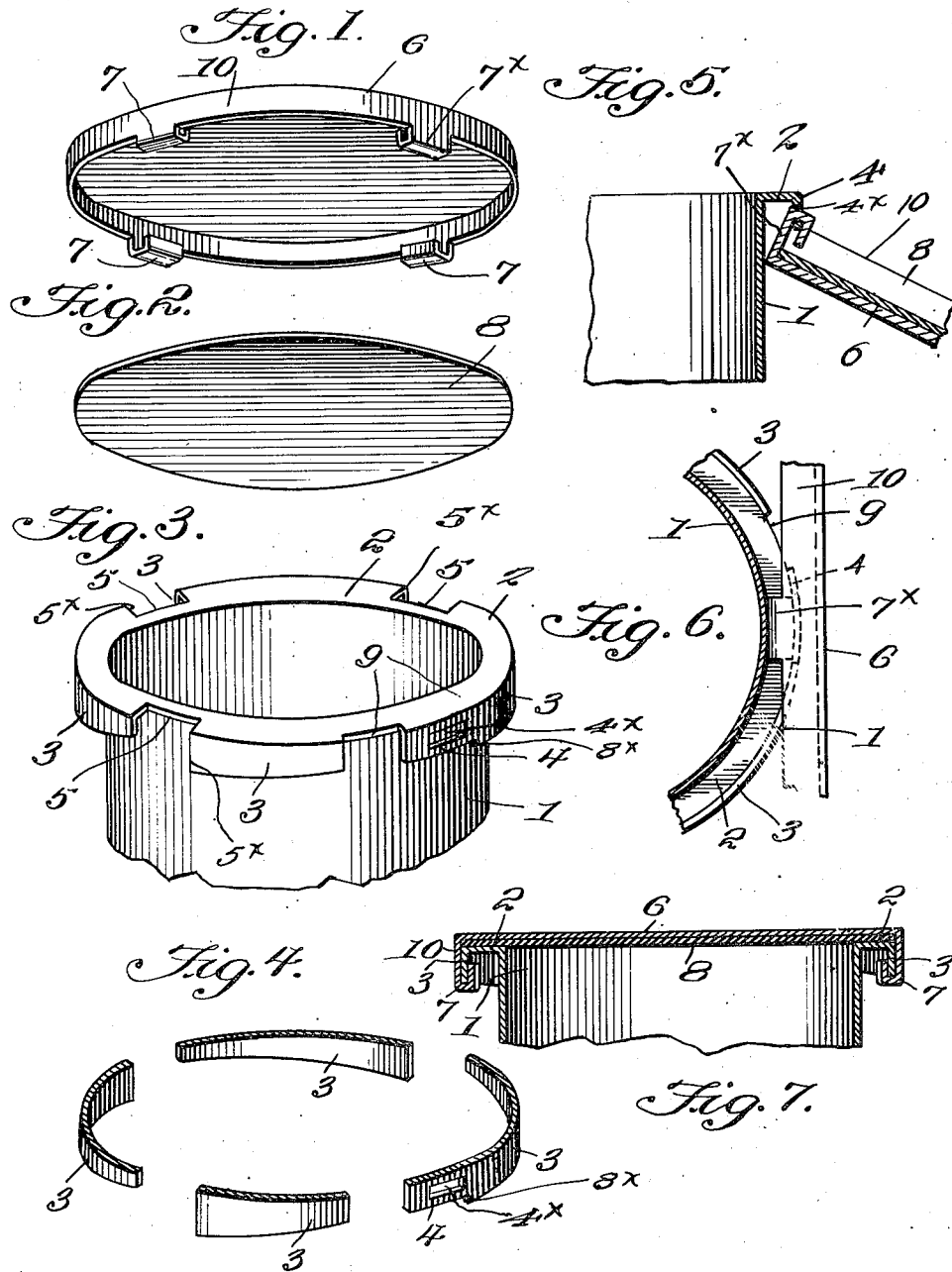
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A. J. DOWLING

RECEPTACLE CLOSURE

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Andrew J. Dowling
INVENTOR

BY: Victor J. Evans
ATTORNEY

WITNESS: J. L. Wright

UNITED STATES PATENT OFFICE.

ANDREW J. DOWLING, OF HAVERHILL, MASSACHUSETTS.

RECEPTACLE CLOSURE.

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The object of my present invention is the provision of a simple, easily applied and efficient device for hermetically closing cans and other receptacles, and this in such manner that the cooperating parts of the closure are exterior to the inner side of the side wall of the can or other receptacle.

The invention also contemplates the provision of a closure, the cap member of which is adapted when loosened to be swung to one side of the plane of the can or other receptacle to facilitate removal of substance from the can or receptacle, and this without disassociation of the cap member from the can so that there is no liability of the cap being mislaid.

To the attainment of the foregoing, the invention consists in the improvement as hereinafter described and definitely claimed.

In the accompanying drawings, forming part of this specification:—

Figure 1 is a perspective showing the cap of my improvement.

Figure 2 is a perspective of the packing disk.

Figure 3 is a perspective showing the upper portion of a can constructed in accordance with my invention.

Figure 4 is a perspective showing diametrically the flange projections of the can.

Figure 5 is a fragmentary vertical section showing the hinge connection of the cap, and its attachment to the can.

Figure 6 is a detail inverted plan of the same.

Figure 7 is a diametrical section showing the cap as secured on the can.

Similar numerals of reference designate corresponding parts in all of the views of the drawings.

I show in Figures 1, 5 and 7 a can 1. The said can is provided at its upper end with an outwardly extending annular flange 2, and on the said flange 2 at the outer edge thereof are pendent arcuate lugs 3 and 4, there being by preference four of the lugs 3, and a single lug 4 as clearly appears in Figures 3 and 4, and the lug 4 being provided with an aperture 4^x. It will also be noted that the lugs are separated by intervening notches 5 and are cam-shaped for a purpose hereinafter described.

The cap 6 of my improvement is shown in Figures 1, 5, 6 and 7, and it will be noted that it is provided with pendent hooks 7

which are spaced apart in the relation illustrated to permit of their insertion downwardly through the notches 5. There are three of the hooks 7, and it will be noted that the cap is provided with an additional hook 7^x similar to the hooks 7; also, that the left hand portion of the apertured lug 3 is of even width from its left hand end in Figure 3 to a point beyond the aperture 4^x, and said lug 3 also has a cam portion.

The receptacle 1 and the cap 6 are of appropriate metal or metals, and in the cap 6 is arranged a packing disk 8 which may be of thick compressible paper or any other appropriate material and is adapted to be crowded against the flange 2 of the receptacle 1 with a view to hermetically sealing the receptacle.

At the left hand end of the apertured lug 3 is a notch 9.

In the practical use of my improvement, the cap is applied as follows, viz, the hook 7^x is first dropped in either of the notches 5 or 9, and the cap is then turned so as to position the said hook 7^x against abutment 8^x and opposite the opening 4^x and to position the other hooks 7 opposite the notches 5. With this done the cap is moved downwardly on the receptacle top with the hooks 7 in the notches 5. The cap is then turned clockwise so that by cooperation of the hooks 7 and 7^x and their complementary lugs the cap will be crowded against the receptacle top and tightened. To open the can, the cap is turned anti-clockwise until the hooks 7 and 7^x strike the pendent shoulders 5^x and 8^x at one side of the notches 5 and 9, and the hook 7^x is opposite the aperture 4^x. The cap is then swung upwardly, outwardly and downwardly with the result that the hook 7^x will be engaged with the aperture 4^x for the permanent attachment of the cap to the receptacle and for the retention of the cap in the position shown in Figure 5. When positioned as stated the cap is permanently attached to the receptacle, but is entirely exterior of the interior of the receptacle and is adapted to retain the packing 8 in position. When it is desired to utilize the cap for the reclosing of the receptacle, the cap is swung upwardly, inwardly and downwardly to disengage the hook 7^x from the aperture 4^x after which the cap is turned clockwise as before described to tighten the cap by the cooperation of the hooks 7 and 7^x with their lugs 3.

When it is desired to disassociate the cap from the can or receptacle, the hooks 7 are moved upwardly through notches 5, and after turning of the cap the hook 7* is moved upwardly through either of the notches 5 or 9.

It will be manifest from the foregoing that my novel closure is simple and inexpensive in construction and convenient of manipulation and is adapted to hermetically seal a receptacle; and it will also be appreciated that the relative arrangement of the elements are such that the interior of the receptacle 1 is entirely free of inward projections, and that when desired the cap is not disassociated from the open can.

I have specifically described the preferred embodiment of my invention in order to impart an exact understanding of said embodiment. I do not desire, however, to be understood as confining myself to the structure disclosed inasmuch as my invention is

defined by my appended claim within the scope of which changes may be made without affecting my invention.

Having described my invention, what I claim and desire to secure by Letters-Patent, is:—

In a closure construction, a receptacle having an annular flange extending outwardly from its mouth and also having pendent spaced projections on the said flange, the said projections being cam shaped and one terminating in an apertured lug, in combination with a cap having spaced pendent hooks for cooperation with said projections and also having a flange on which said hooks are carried, one of the hooks being adapted to cooperate with the apertured lug on the receptacle flange to permit movement of the cap in a hinge like manner.

In testimony whereof I affix my signature.

ANDREW J. DOWLING.