

V. ODQUIST.
CRACKER BOX DETENT.
APPLICATION FILED NOV. 8, 1911.

1,055,486.

Patented Mar. 11, 1913.

Fig. 1

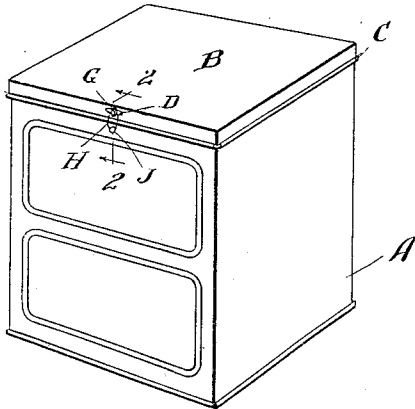


Fig. 4

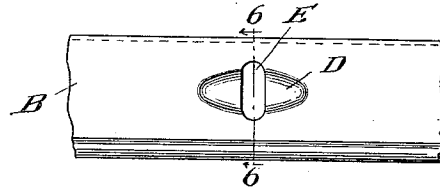


Fig. 5

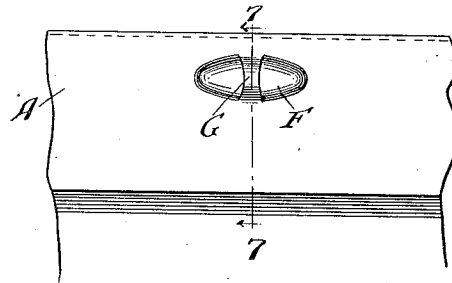


Fig. 2

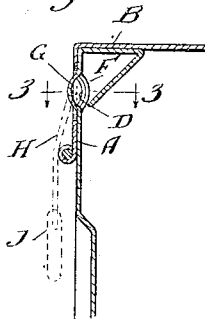


Fig. 6

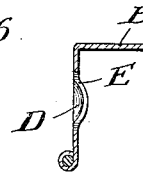


Fig. 3

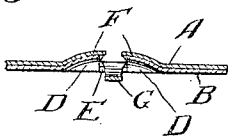
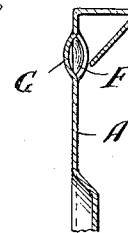


Fig. 7



Witnesses:

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UNITED STATES PATENT OFFICE.

VICTOR ODQUIST, OF YONKERS, NEW YORK, ASSIGNOR TO AMERICAN CAN COMPANY,
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CRACKER-BOX DETENT.

1,055,486.

Specification of Letters Patent.

Patented Mar. 11, 1913.

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To all whom it may concern:

Be it known that I, VICTOR ODQUIST, a citizen of the United States, residing in Yonkers, in the county of Westchester and State of New York, have invented a new and useful Improvement in Cracker-Box Detents, of which the following is a specification.

This invention relates to a form of fastening for the hinged lids of sheet metal cracker display boxes, and it consists in the novel devices and parts, and combination of parts and devices hereinafter more fully set forth and claimed.

In the accompanying drawing which forms a part of this specification, Figure 1 is a perspective view of a display cracker box, provided with my improved detent or fastening; Fig. 2 is a vertical section on the line 2—2 of Fig. 1; Fig. 3 is a horizontal section on the line 3—3 of Fig. 2; Fig. 4 is a front view of the margin of the cracker box lid showing that portion of the detent formed in the lid; Fig. 5 is a front view of a portion of the cracker display box body illustrating that portion of the detent device formed in the body; Fig. 6 is a vertical section on the line 6—6 of Fig. 4 and Fig. 7 is a similar vertical section on the line 7—7 of Fig. 5.

The fastening for the hinged cover of sheet metal display cracker boxes which constitutes the subject matter of the present invention, is one which is easily formed up by stamping the sheet metal of the body and the cover; is one that will operate simply as a friction detent when required; and finally is one which may be used as a hold-fast in connection with the ordinary wire and lead seal or a padlock.

In the accompanying drawing, A represents the body of the cracker display box.

B is the cover hinged to the body at the back margin C.

In the depending flange of the cover B is stamped the rounded concavo-convex frictional detent D, also the elongated perforation E which is cut out of the metal. In the body of the box and in position to encounter the above detent is stamped out the counter- ing concavo-convex detent F having the raised central cross-bar or hasp G. Both the detents, the one D, in the cover, and the one F, in the body, present their convexity to the interior and their concavity to the

outside of the box, and the detent F in the box is made sufficiently larger than the detent D, in the cover, so that the convexity of one may fit into the concavity of the other when the cover is closed. The perforation E in the cover is made of a size to receive the bar or hasp G which latter is cut free from the sheet metal and rounded outward toward the outside of the box.

It will be seen that the construction is such that when the hinged cover is closed upon the box the two rounded detents may frictionally slip together to serve to keep the cover closed with a friction holding.

The hasp G projects far enough through the perforation, E, in the cover, to permit of the insertion through said hasp of the wire H of an ordinary lead seal J shown in dotted lines at Fig. 2, which effectually seals the box against opening. Though this invention is especially devised to accommodate the use of such a wire seal for the purpose of sealing the cracker box against opening in transit from the manufacturer to the user, still the detent permits, in place of the wire of the seal, a padlock to be used, or even a short peg or plug for temporarily fastening if that be desired.

It will be noted that the construction of the detent, and its locking or sealing hasp is such that no projection, or if any no considerable or noticeable projection is formed thereby beyond the outside lines of the box itself; so that the detent need not increase the lateral dimensions of the box, an important convenience in the shipping of such boxes. The construction, it will further be noticed, is such that when the seal is off, the rounded hasp and rounded form of the engaging parts, offer no material obstruction to the easy opening and closing of the box, the parts slipping readily past one another to permit this action. It will also be noted that the depression D is formed in the depending flange ordinarily found in display cracker boxes of the type shown in the drawing, and on account of this fact, the detent forming member D cannot be sprung out to any great extent because of the rigidity or stiffness of the flange, as would be possible in structures having the detent forming portion located in a narrow depending strip. However, by forming the depressions D and F with gentle curvatures as applicant has done, the parts are adapted

to easily slip into coöperative position and be displaced from such position with only a slight force exerted against the depending flange of the cover.

5 Having thus described my invention I claim:—

10 1. A box of the character described comprising, a body member having an offset detent portion near its upper edge, a cover movably secured to the body member and having an integral depending flange, said flange having an offset detent portion coöperating with the detent portion on the body member, one of said detent portions
15 having a hasp, and the other a slot through which the hasp projects when the cover is in closed position, the hasp being adapted to receive a wire seal, substantially as specified.

20 2. A box of the character described comprising, a body member having a concave offset detent portion near its upper edge, a convex hasp bar extending across said concave portion, a cover hinged to the body member and having an integral depending
25 flange, said flange being provided with a concave offset detent portion coöperating with the detent portion on the body member, the concave portion on the cover flange being slotted and adapted to receive the
30 convex hasp bar on the body member, said convex hasp bar being adapted to receive a wire seal when the cover is in closed position, substantially as specified.

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Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."