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LOCKING DEVICE FOR RECEPTACLES.

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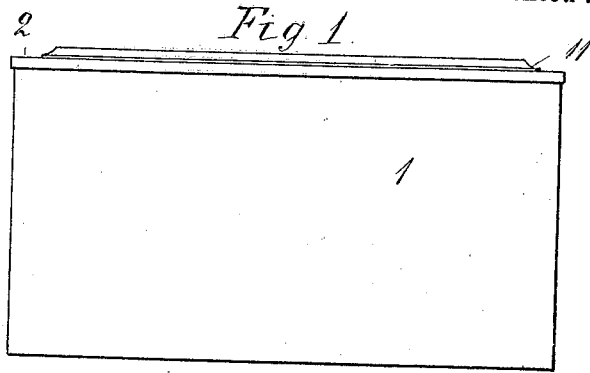


Fig 2

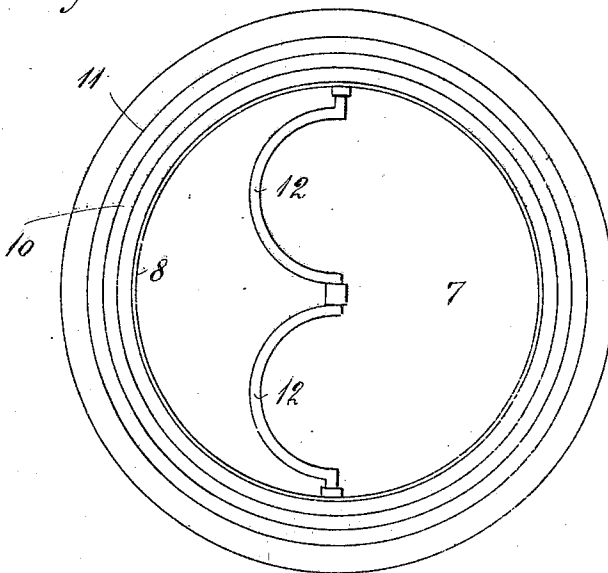


Fig 3

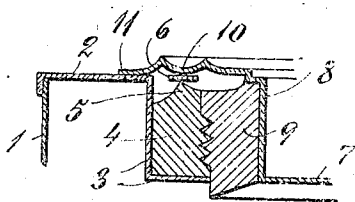
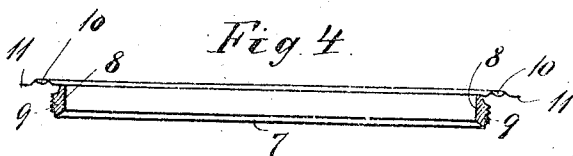


Fig 4



Witnesses

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UNITED STATES PATENT OFFICE.

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LOCKING DEVICE FOR RECEPTACLES.

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To all whom it may concern:

Be it known that we, CARL GOTTFRID HARALD WILHELM ÖHRSTRÖM, manufacturer, of Ystad, in Sweden, and ERNST HJALMAR WALLGREN, wholesale merchant, of Copenhagen, in Denmark, both subjects of the Kingdom of Sweden, residing at Sladder-gatan 389, Ystad, Sweden, and Osterbro-gade 41, Copenhagen, Denmark, respec-tively, have invented new and useful Im-provements in Locking Devices for Recep-tacles, of which the following is a specifica-tion.

The invention relates to an air-tight lock-ing-device for receivers, boxes, tins or the like of sheet-metal or other materials in-tended for the saving of substances, which may be damaged or changed when exposed to the influence of the air, as for instance, 20 vituals, tobacco, volatile liquids or the like.

The invention has for its object to provide such a locking-device, that the receiver may be easily opened and again closed by means of a single movement and without 25 necessity of using tools and at the same time without damaging any part of receiver or cover.

The invention is shown in the drawing, where—

30 Figure 1 is an elevation of a box provided with the locking device, Fig. 2 a plan of the same, Fig. 3 a vertical section of a part of the locking-device on an enlarged scale and Fig. 4 the cover partly in section.

35 To the upper edge of the box wall 1 is by means of soldering or the like secured a ring-shaped plate 2, which is horizontal and at its inner edge is formed with a flange 3. In said flange 3 is secured a metal 40 ring 4, the inner side of which is provided with threads for screwing in the cover plate 7, which has its edge bent upward and out-ward in such a manner, that a flange 8 of nearly the same height as the flange 3 is 45 formed. In the flange 8 is secured a metal ring 9 provided with threads at its outer side, so that the cover 7 may be screwed in the ring 4 and thereby the receiver be closed. The cover plate has such a diameter 50 that it extends beyond both the rings and somewhat over the ring-shaped plate 2 (Fig. 3), besides which the edge of said cover plate is stiffened by means of channel formed bends.

The external ring 4 is on its top provided 55 with a prominent, sharp edge 5, against which the bend 10 of the cover plate 7 presses, when said cover plate is screwed in.

If desired a packing 6 may be placed be-tween the edge 5 and the bend 10 of the 60 cover plate 7, the outer edge 11 of which moreover presses close to the top of the ring-shaped plate 2, when the cover plate is screwed in.

Beneath and above the threads the rings 65 4 and 9 are provided with cylindrical guides, which facilitate the screwing in of the cover plate 7. To further facilitate the screwing in and out of said cover plate it is provided with a movable handle 12 of a 70 convenient form.

Having now described our invention what we claim is:

1. A locking device for receivers, boxes, tins and the like, consisting of two rings 75 that may be screwed in each other and of which one is secured to the receiver forming its aperture, a cover plate secured to the other ring and extending above the ring se-cured to the receiver, the last mentioned 80 ring being provided on its top with a pro-jecting edge against which the cover plate presses when the latter is fully screwed in.

2. A locking device for receivers, boxes, tins or the like, consisting of two rings that 85 may be screwed in each other and of which one is secured to the receiver forming its aperture, a cover plate secured to the other ring and extending above the ring secured to the receiver, the last mentioned ring hav- 90 ing a projecting edge on top against which the cover plate presses when the latter is screwed in, and a packing material between said projection and said cover plate.

3. A locking device for receivers, boxes, 95 tins or the like, consisting of two rings that may be screwed in each other and of which one is secured to the receiver forming its aperture, a cover plate secured to the other ring and extending above the ring secured 100 to the receiver, the extending portion of said cover plate being stiffened by means of a convenient corrugation, so that said edge may press against the other ring which it covers by the screwing in of the cover plate. 105

4. A locking device for receivers, boxes, tins or the like, consisting of two rings (4, 9) that may be screwed in each other,

one of which forms the aperture of the receiver, a ring-shaped plate (2) which forms a part of the top of the receiver secured to the ring (4), and a cover plate secured to the other ring (9), said cover plate having diameter larger than said last mentioned ring so that its edge extends above the ring (4) and tightens against the ring-shaped plate (2) of the receiver.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

CARL GOTTFRID HARALD WILHELM ÖHRSTRÖM.
ERNST HJALMAR WALLGREN.

Witnesses:

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CHAS. GARDNER.