

M. V. REMALY & J. F. KINNARD.

CAR-COUPLING.

No. 176,243.

Patented April 18, 1876.

Fig: 1.

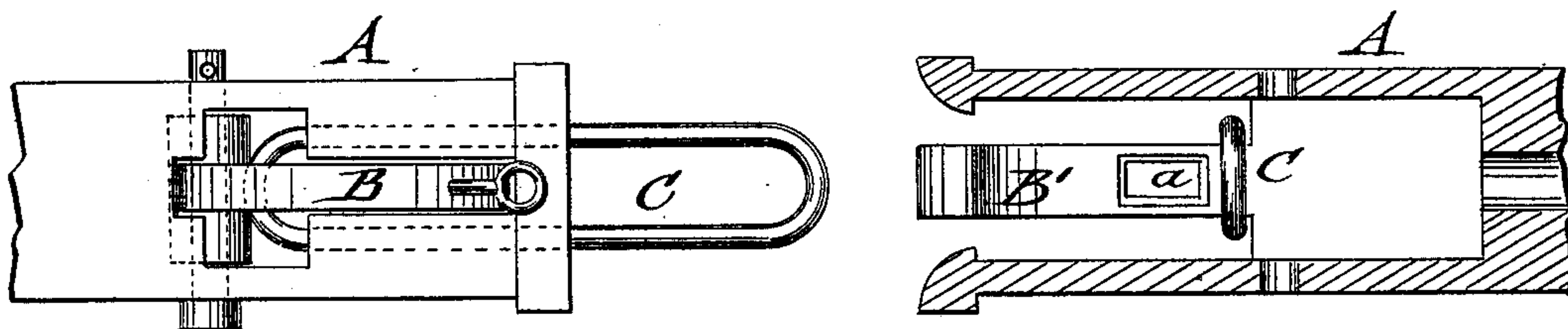


Fig: 2.

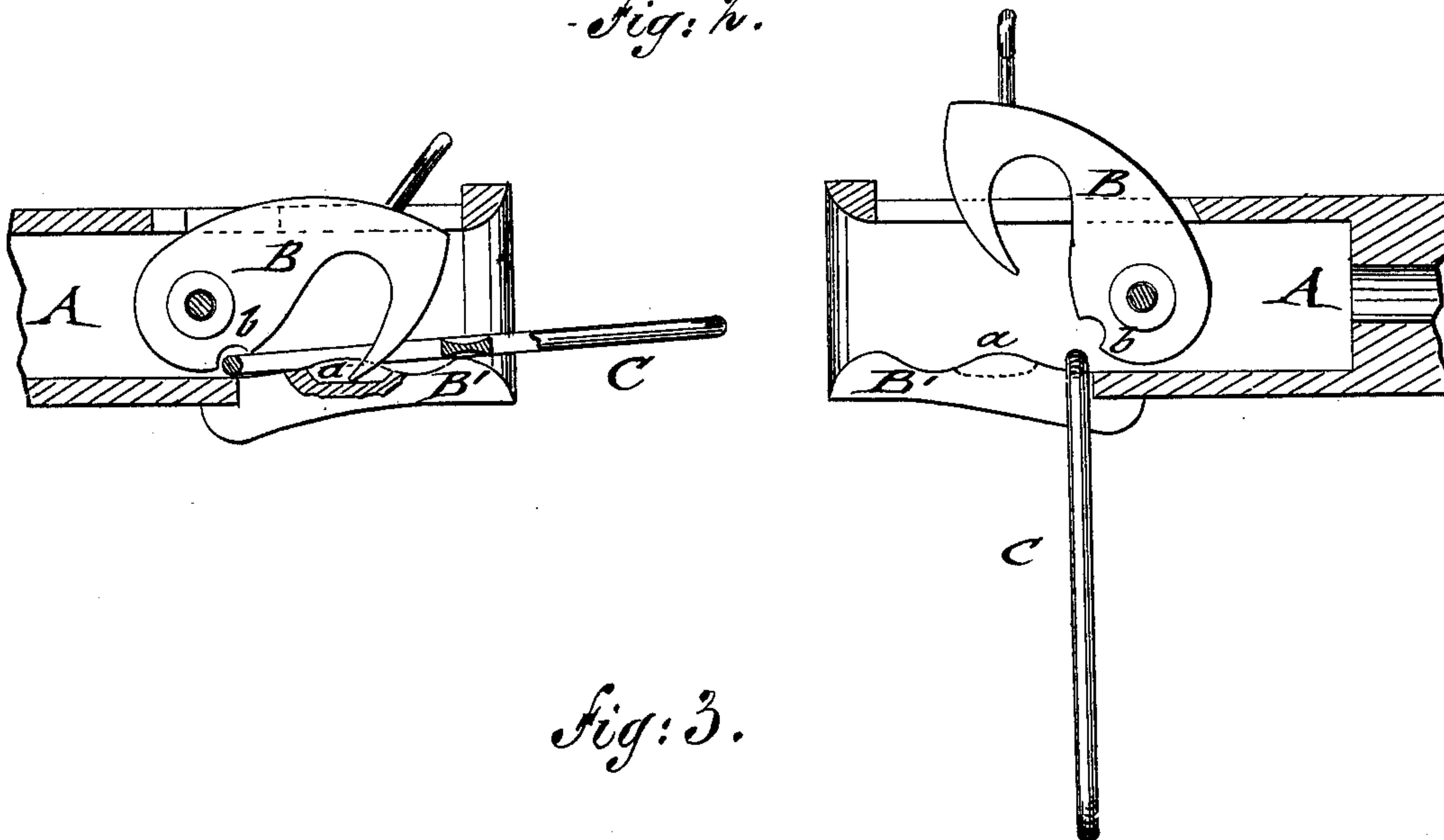
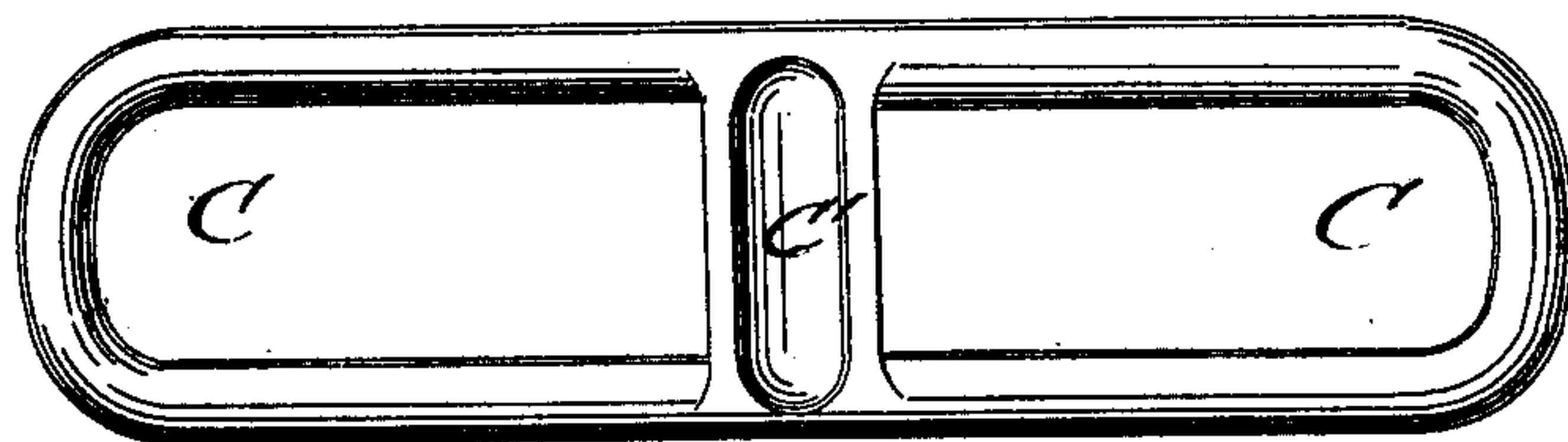


Fig: 3.



WITNESSES:

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MARTIN V. REMALY AND JOSEPH F. KINNARD, OF KITTANNING, PA.

IMPROVEMENT IN CAR-COUPPLINGS.

Specification forming part of Letters Patent No. **176,243**, dated April 18, 1876; application filed March 13, 1876.

To all whom it may concern:

Be it known that we, MARTIN V. REMALY and JOSEPH F. KINNARD, of Kittanning, in the county of Armstrong and State of Pennsylvania, have invented a new and Improved Car-Coupling, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a top view, partly in horizontal, of our improved car-coupling; Fig. 2, a vertical longitudinal section of the same, and Fig. 3 a top view of the coupling-link.

Similar letters of reference indicate corresponding parts.

Our invention relates to an improved automatic car-coupling, that couples readily without the stepping in of the attendant; and it consists of a draw-head having central bottom rib, with side openings or recesses for the coupling-link to swing therein. The coupling-link rests, by a central cross-piece, on the rib, and couples with a pivoted hook of the draw-head of the adjoining car.

In the drawing, A represents the draw-head of our improved car-coupling; B, the pivoted coupling-hook, that is guided in a top slot of the draw-head, and C the coupling-link. The coupling-link C is allowed to swing into pendent position by means of the side openings when not required for coupling, being in that position out of the way, as shown in Fig. 2.

Link C is provided with a central dishing cross part, C', which is placed, when the link is swung up into position for coupling, on the front end of rib B', to be supported thereby, the hook B bearing, by a recess, b, on the rear part of the link, and holding it thus in slight-

ly-inclined position for coupling, as shown in Fig. 2. The entering of the link C into the draw-head of the car to be coupled raises the pivoted hook until the link passes back of the point of the same, and allows it to drop and couple the link.

The coupling may readily be used in connection with the common pin-and-link coupling, and the uncoupling readily be accomplished from the top side of platform of the car by a chain, rope, or other connection with the top part of the hook, so that the same may be raised and the link be released.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. An improved automatic car-coupling, composed of a draw-head having open bottom, with central longitudinal rib, a coupling-link swinging thereon, and a pivoted coupling-hook, all arranged substantially as and for the purpose set forth.

2. A draw-head made with central longitudinal bottom rib, and opening or recesses at both sides of the same, substantially as described.

3. The combination of the pivoted coupling-hook, having recess to bear on link, and of the central bottom rib with the coupling-link, having central dishing cross part to hold link in position for coupling, substantially as set forth.

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