

No. 692,639.

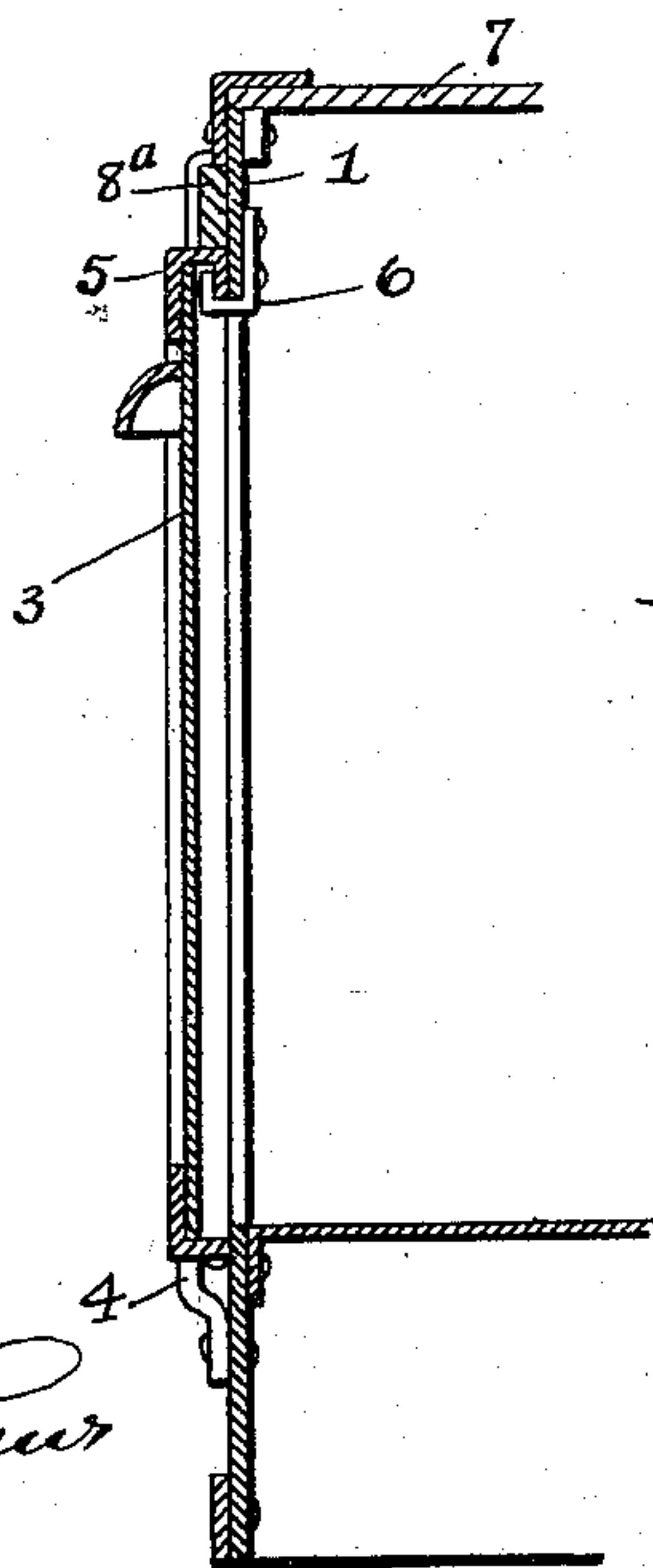
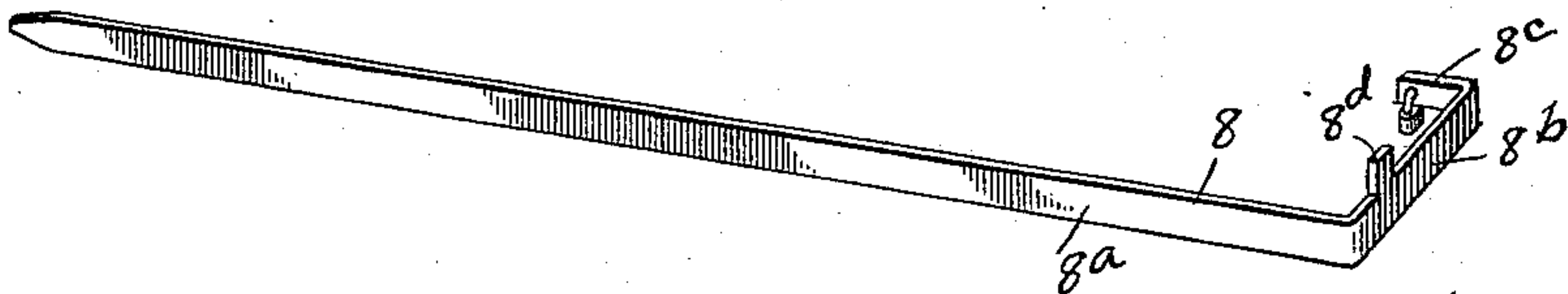
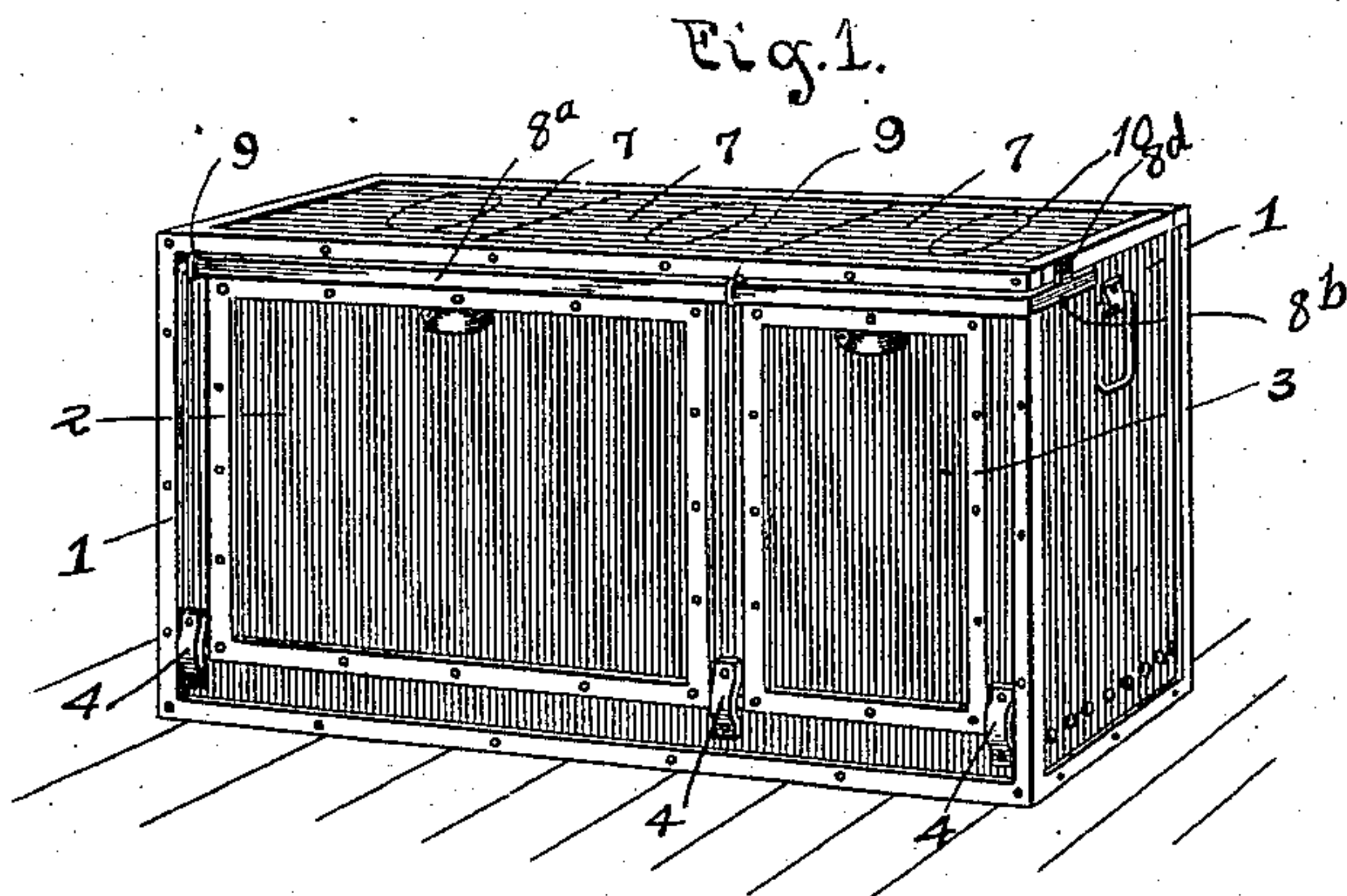
Patented Feb. 4, 1902.

G. B. DONAVIN.

LOCKING DEVICE FOR COMBINED MESS CHESTS AND RANGES.

(Application filed May 20, 1901.)

[No Model.]



WITNESSES:

H. B. Bradshaw
A. I. Phelps

INVENTOR

George B. Donavin

BY

C. C. Shepherd
ATTORNEY

UNITED STATES PATENT OFFICE.

GEORGE B. DONAVIN, OF COLUMBUS, OHIO.

LOCKING DEVICE FOR COMBINED MESS-CHESTS AND RANGES.

SPECIFICATION forming part of Letters Patent No. 692,639, dated February 4, 1902.

Application filed May 20, 1901. Serial No. 61,061. (No model.)

To all whom it may concern:

Be it known that I, GEORGE B. DONAVIN, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Locking Devices for a Combined Mess-Chest and Range, of which the following is a specification.

My invention relates to the improvement of locking devices for combined mess-chests and ranges; and the objects of my invention are to provide an improved locking device whereby both the doors and the sliding range-top plate or plates are locked against movement, to so construct and arrange the parts of my improved locking device as to prevent the employment of projections which might interfere with the safe handling of the range while being transported, and to produce other improvements in details of construction, which will be more fully pointed out hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved range, showing the lock-bar in use thereon. Fig. 2 is a detail view in perspective of said lock-bar, and Fig. 3 is a transverse section through one of the doors of the range.

Similar numerals refer to similar parts throughout the several views.

1 represents my improved range and mess-chest, which is preferably of the oblong form shown. On the forward side of the range I provide oven and fire-box doorways, which are adapted to be closed, respectively, by doors 2 and 3, said doors being hinged in their lower portions through the medium of laterally-projecting hinge-pins which extend within keeper-like hinge-plates 4, arranged vertically on the forward face of the range, these hinge-plates being of such size as to permit of a vertical movement of the door-hinge pins therein. The upper portion of each of the doors 2 and 3 is, as indicated more clearly in Fig. 3 of the drawings, provided with an inwardly and downwardly projecting hook-bar 5, which when the door is elevated slightly is adapted to engage the upturned end portion of a catch-hook 6, which projects

from the range at the upper side of the doorway. The range-top, which in the present case is indicated by plate-sections 7, is adapted, as set forth in my former application, Serial No. 713,014, filed April 14, 1899, to slide in the range-top frame.

8 represents an angular locking-bar, which, as indicated in the drawings, consists of the longer arm 8^a and the shorter arm 8^b , extending at right angles therewith, said arm 8^b terminating in an inturned extension 8^c , which is parallel with the arm 8^a . The arm 8^b is also provided on its upper side with a projecting stop-lug 8^d , while the inner end of the termination 8^c is formed with an opening adapted to receive a padlock-yoke.

The doors of the combined mess-chest and range being closed and the top plate-sections 7 being in their inner or closed positions, the longer arm 8^a of the locking-bar is inserted longitudinally through forwardly-projecting keepers 9, which are arranged on the forward face of the range at heights above the door tops. In this manner the longer arm 8^a of said locking-bar is, as indicated more clearly in Fig. 3 of the drawings, arranged immediately above and in position to contact with the shoulders formed by the inturned catch portions 5 of the doors, while the shorter arm 8^b embraces a portion of the end of the range, its extension 8^c entering an opening in said range end and its lug 8^d bearing against the first removable top plate 7. This having been accomplished, the hasp or yoke of the padlock may be made to engage the inner end of the extension 8^c , access to the interior of the range being gained for this purpose through a top opening 10 in the top plate. The lock-bar being in the position above described, it will be seen that its arm 8^a will prevent a lifting of the doors 2 and 3, thus preventing the opening of the latter, while the lug 8^d of the shorter arm will prevent the withdrawal or outward movement of the first removable top section 7.

It will thus be seen that a simple and reliable locking device is provided for that class of combined mess-chests and ranges which are provided with lifting outwardly-swinging doors and which are provided with the sliding top plate or plates.

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

1. In a locking device for a combined mess-
5 chest and range the combination with the range-body having side doorways, doors there-
for hinged in their lower portions to permit vertical movement, inwardly-projecting an-
gular catch-bars 5 on the upper portions of
10 said doors and outwardly-projecting angular catches 6 on the body of the range and keep-
ers 9 projecting from said range above the doorways, of an angular locking-bar 8 having
one of its arms adapted to be inserted in said
15 keepers and having its remaining arm pro-
vided with a lateral extension adapted to en-
ter an opening in the end of the range and
means for securing said extensions from with-
drawal, substantially as specified.
2. In a locking device for a combined mess-
20 chest and range, the combination with the

range-body having a sliding and removable
top plate or plates, doorways on one side of
the range, vertically-movable hinged doors
for said doorways, angular catches as de- 25
scribed projecting respectively from said
doors and range-body and keepers 9 project-
ing from said range-body above said doors, of
an angular locking-bar 8 having its shorter
arm 8^b provided with a lateral extension 8^c 30
and an upwardly-projecting lug 8^d, the longer
arm 8^a of said locking-bar adapted to be in-
serted in said keepers 9, the shorter arm 8^b
adapted to embrace a portion of the end of
the range and its extension 8^c adapted to en- 35
ter an opening in the latter, substantially as
specified.

GEORGE B. DONAVIN.

In presence of—

W. L. MORROW,
JOHN W. COOPER.