

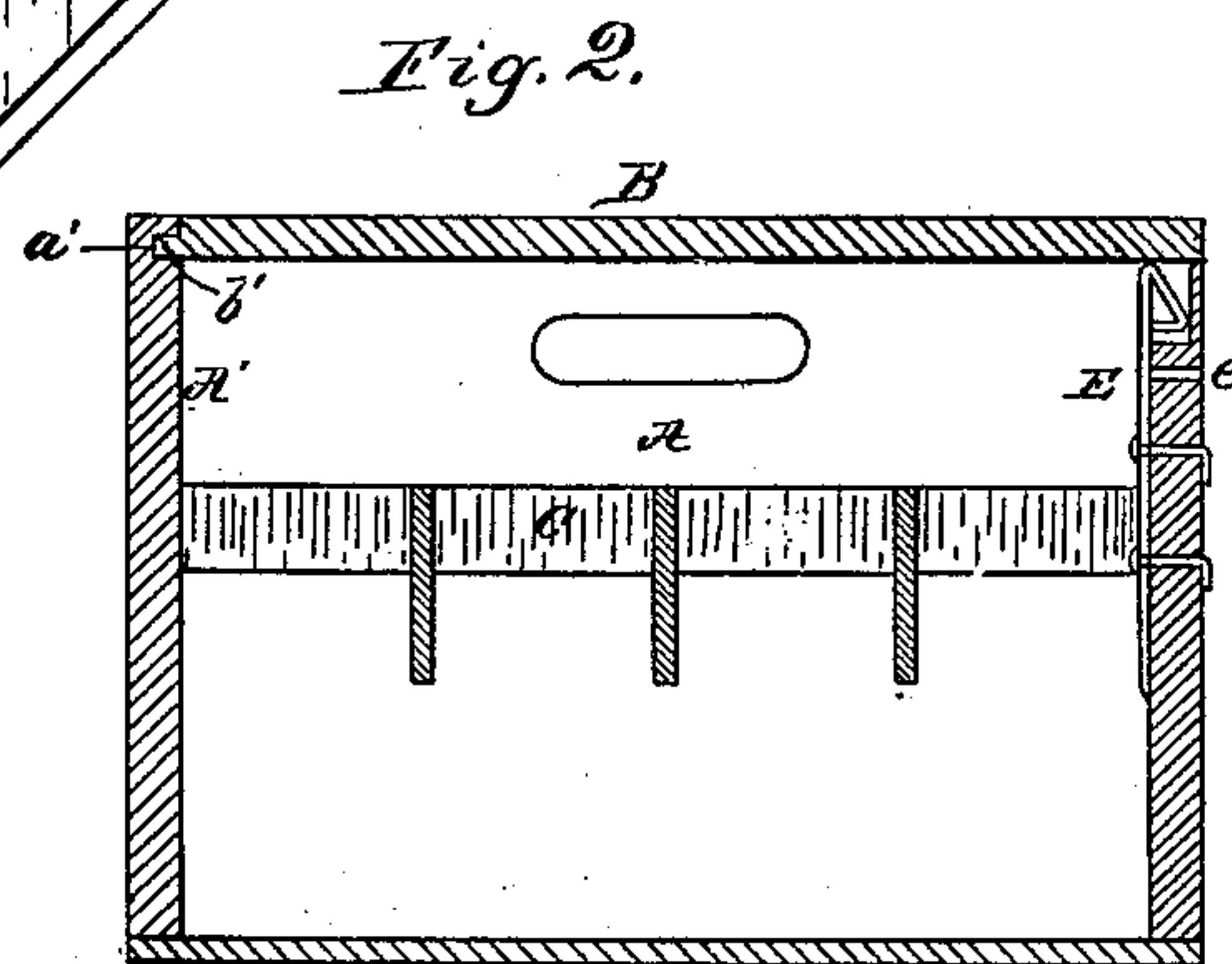
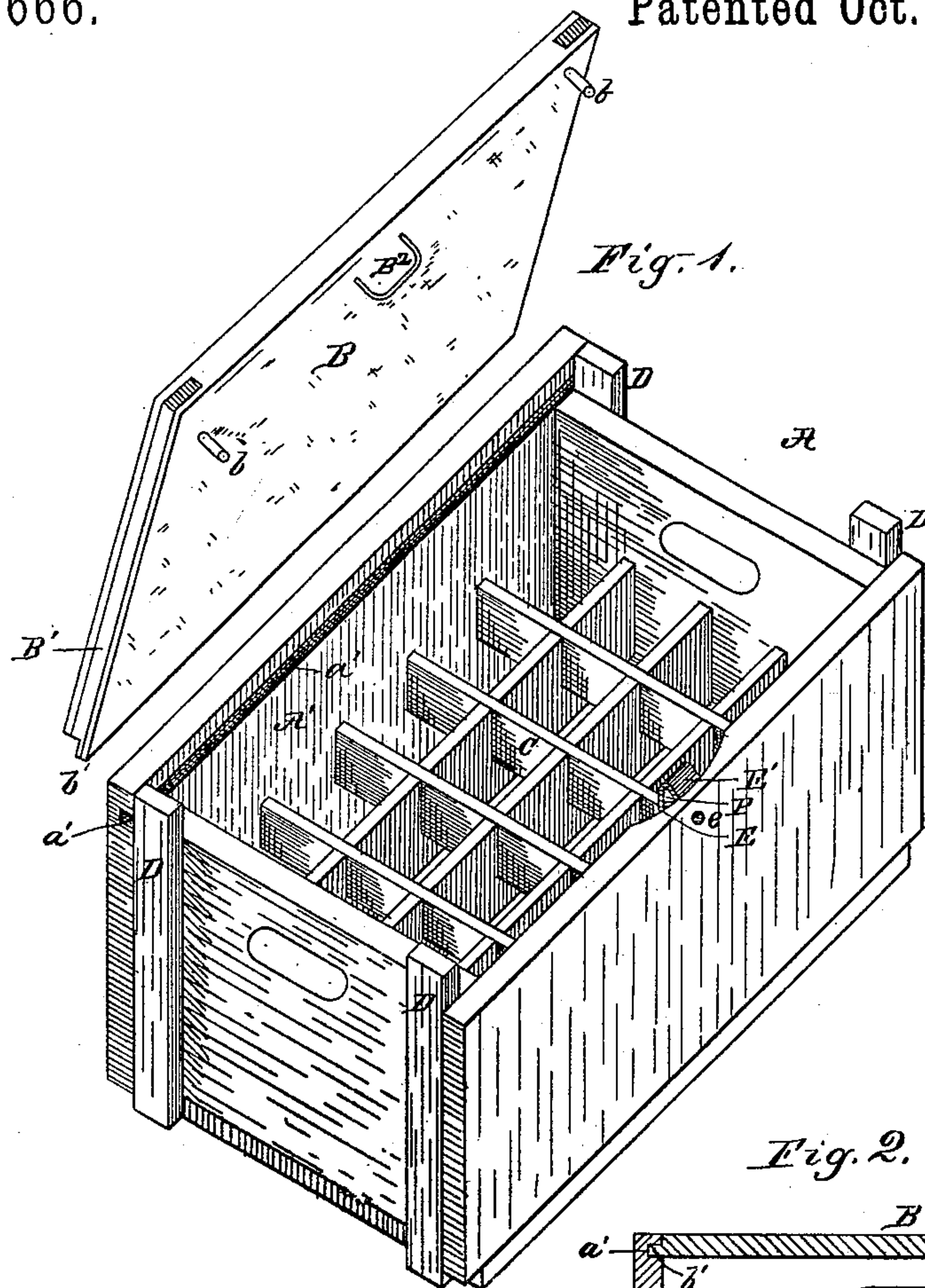
(No Model.)

R. M. WILLIAMSON.

BOX FASTENER.

No. 266,666.

Patented Oct. 31, 1882.



WITNESSES—

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# UNITED STATES PATENT OFFICE.

RELLY M. WILLIAMSON, OF CHICAGO, ILLINOIS.

## BOX-FASTENER.

SPECIFICATION forming part of Letters Patent No. 266,666, dated October 31, 1882.

Application filed July 12, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, RELLY M. WILLIAMSON, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Packing-Boxes; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in the construction of packing-cases for bottled goods of that class provided with interior racks intended to keep the bottles in place. These cases are employed not only for the shipment of merchandise in bottles, but also for the return of the empty bottles, and therefore, being repeatedly used, require to be made strong and durable. It is also necessary that they be provided with a cover that may be readily applied and locked or unlocked and removed, and that shall be securely held in place through all needful handling in transit. It is further desirable that the fastenings employed to retain the cover shall not interfere with the insertion or removal of the bottles.

It is mainly to the last-mentioned object that my present invention is directed; and to this end it principally consists in the construction and combination of the parts forming the box, its cover, and its fastening, substantially as hereinafter more fully described and claimed.

In the drawings, Figure 1 is a perspective view of the box and cover constructed in accordance with my invention, the cover being shown elevated above the open box. Fig. 2 is a central transverse vertical section through the fastening.

A is the box proper. B is the cover. C is the interior bottle-rack. The box A is provided with the external vertical end cleats, D D, which rise to the level of the top of the box-cover when the latter is in place. The sides of the box overlap the cleats, and are nailed thereto as well as to the vertical edges of the box ends. The front and ends of the box are of even height, but the back A' is wider by the thickness of the cover, and rises to the height of the cleats D. When the cover B is in place on the box, therefore, the top edge of the said back and that of the cover are flush. For the

purpose of holding the back edge of the cover to the box the said edge is rabbeted, so as to leave a lower rear projection, b', as shown. A groove, a', corresponding to and intended to receive this projecting edge or tongue b', is provided in the back A', having its lower face flush with the box ends. The tongue b' and the cover are strengthened by means of the strips B', set in the ends of the cover, as shown in Fig. 1. To the box-front is affixed any suitable fastening. I have here shown a fastening consisting of a spring-catch, E, whose hook E' engages the staple B<sup>2</sup> on the under face of the cover. A hole, e, through the box-front allows the spring-catch to be released by thrusting a pencil or similar article inward against the spring and forcing the same back out of engagement with the staple B<sup>2</sup>, so as to allow the cover to be raised. The cover is held laterally in place on the box by means of the cleats D, the raised back A', and one or more dowel-pins, b b, set in the under face of the cover in position to drop just inside the box-front. Said dowel-pins and the spring-catch E are located opposite bars of the rack C, and consequently stand between the contained bottles when the case is filled and covered.

Boxes have heretofore been made with a strip fixed to the back and sides, overhanging the interior and forming a permanent narrow part of the cover, and with cleats applied to the under face of the cover, projecting at the back edge, so as to extend beneath the overhanging strip mentioned, and also extending at the front to serve as stops to prevent sliding of the cover, as here stated of the dowels.

The advantages of the construction here shown are as follows: By avoiding the overhanging strip at the back of the box the rear bottles may be lifted vertically in removing them, as required when they are set in the rack bottom up when the rack is high, as sometimes required, or when the bottles are packed closely. By dispensing with the cleats the cover may rest closely upon all the bottles, holding them better in place, and, since the dowels set down into spaces between the bottles, the box may be made shallower by the thickness of the cleats.

The staple B<sup>2</sup> of the fastening, as here shown, may be so placed as to serve as a stop, in lieu of the dowel or dowels b.

I claim as my invention—

5 The box described, having its back A' extended above the sides, and provided with the groove *a'*, and having the upwardly-extended cleats D, combined with the cover B, having the tongue *b'* on its rear edge and the pins *b* near its front edge, and a suitable fastening or catch for the front edge of the cover, substantially as and for the purposes specified.

In testimony that I claim the foregoing as my invention I affix my signature in presence of two witnesses.

RELLY M. WILLIAMSON.

Witnesses:

M. E. DAYTON,  
JESSE COX, Jr.