

No. 800,860.

PATENTED OCT. 3, 1905.

A. F. MACK.
RACK FOR BOTTLES.
APPLICATION FILED NOV. 11, 1904.

2 SHEETS—SHEET 1.

Fig. 1.

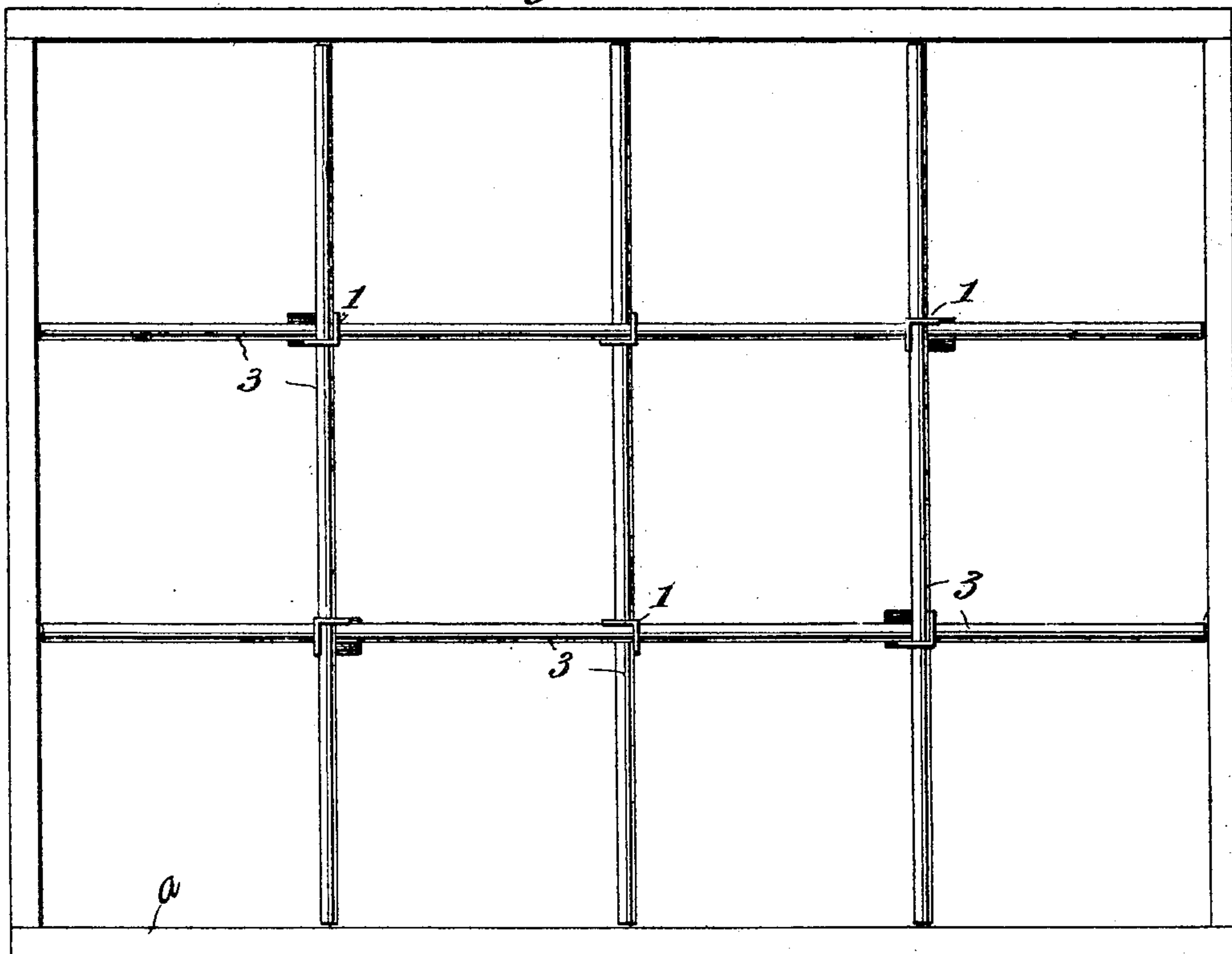


Fig. 2.

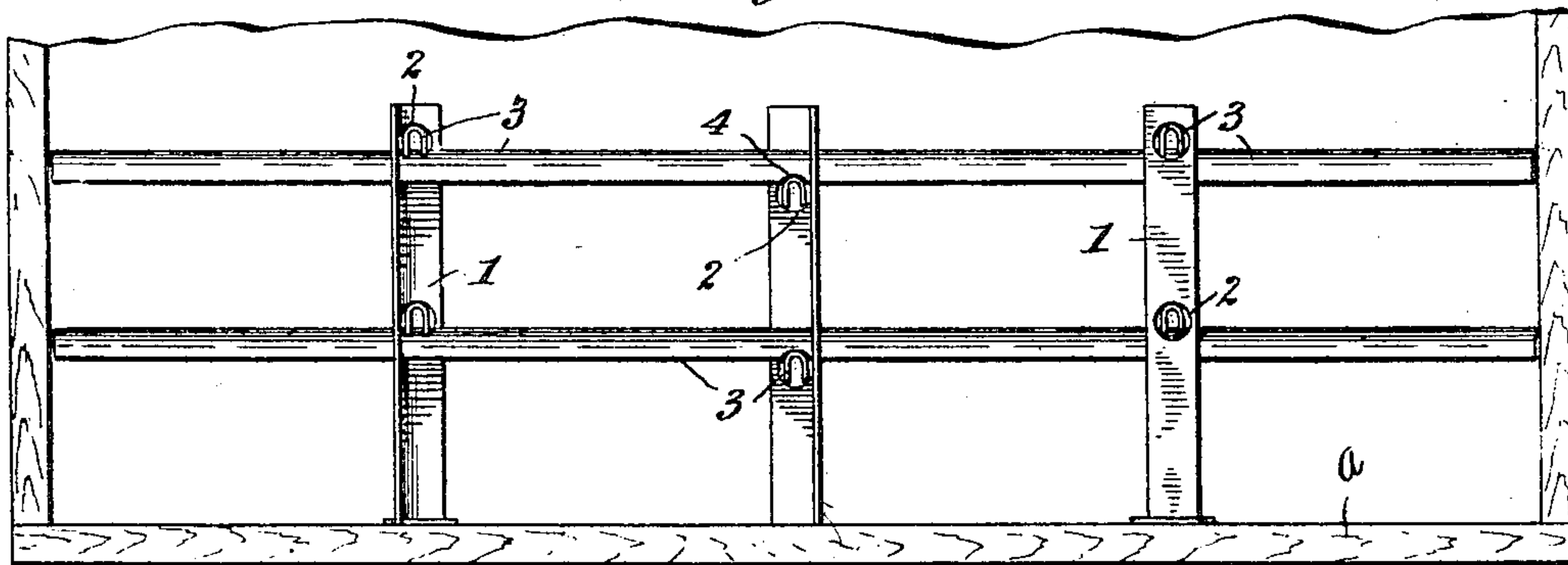
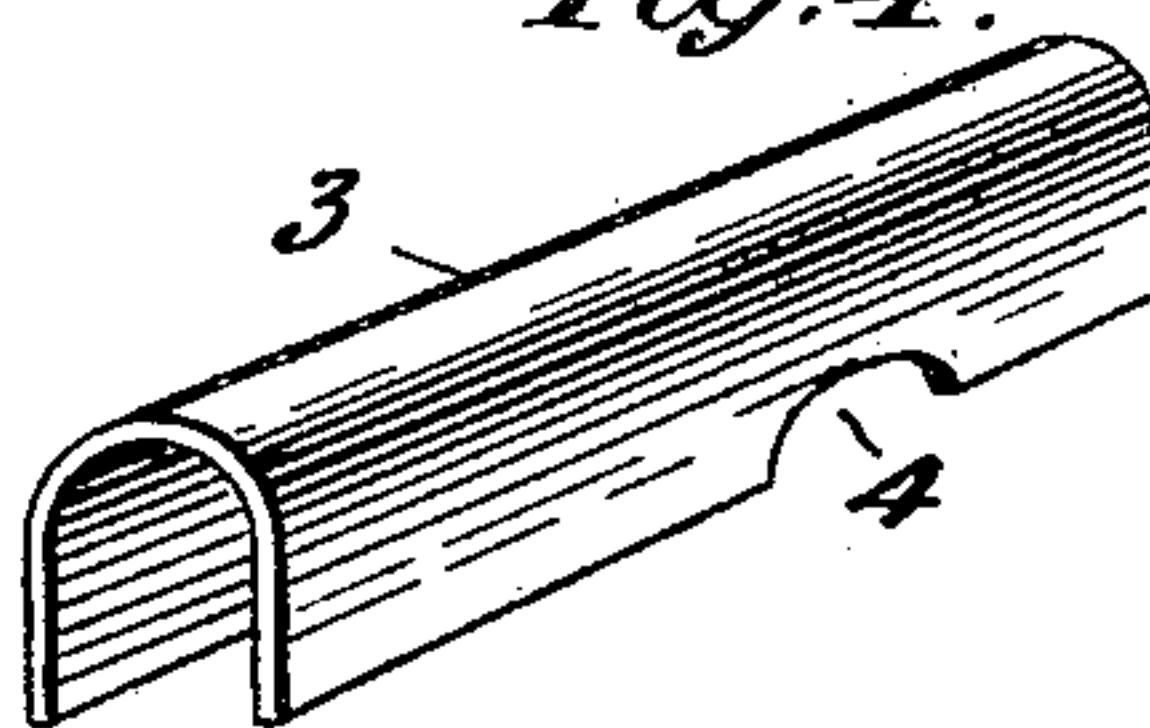


Fig. 3.



Fig. 4.



Witnesses
Frank S. Ober
A. M. Hayes

Inventor
Augustus Frederick Mack
By his Attorney Robert B. Moore

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2 SHEETS—SHEET 2.

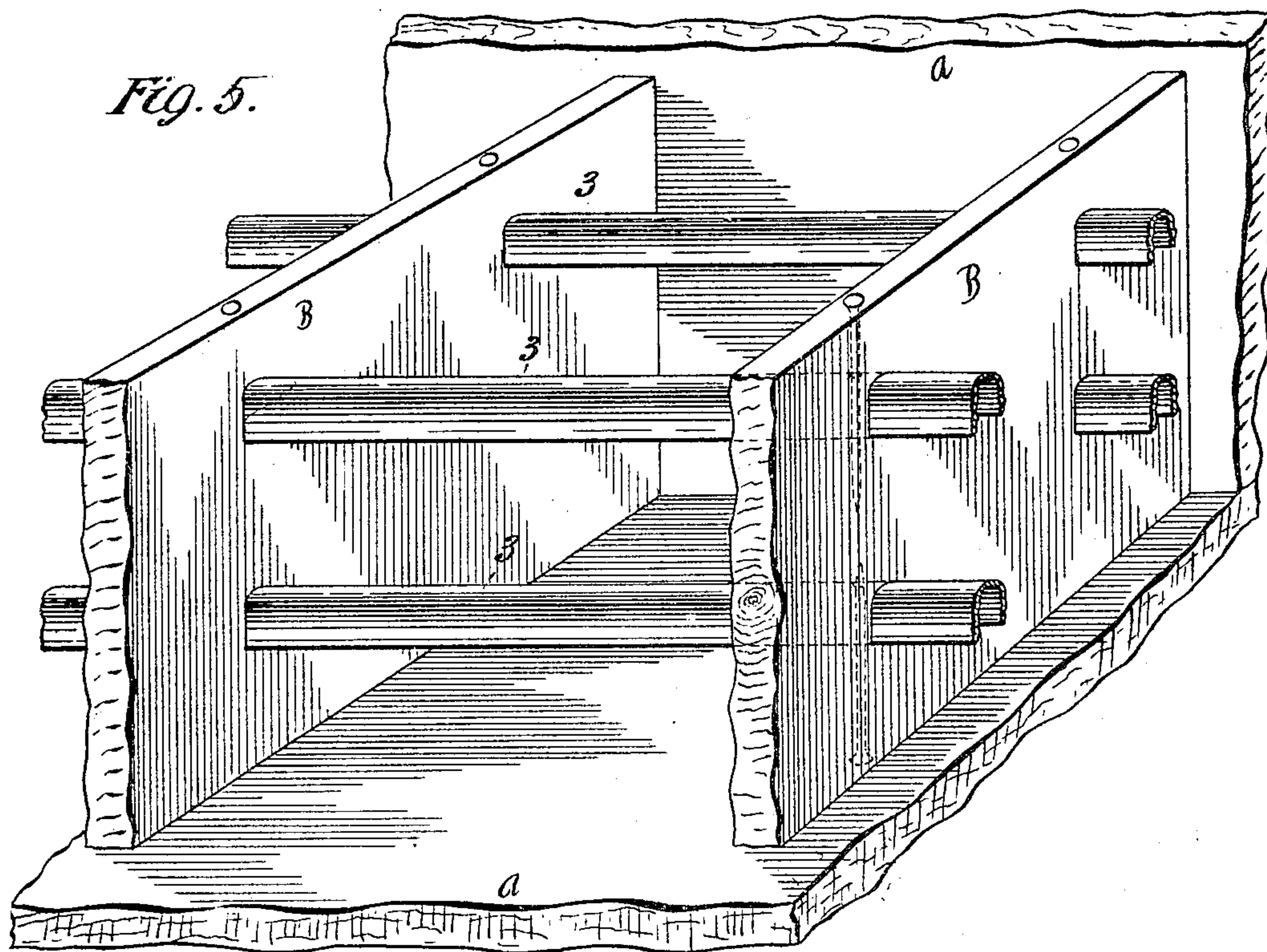
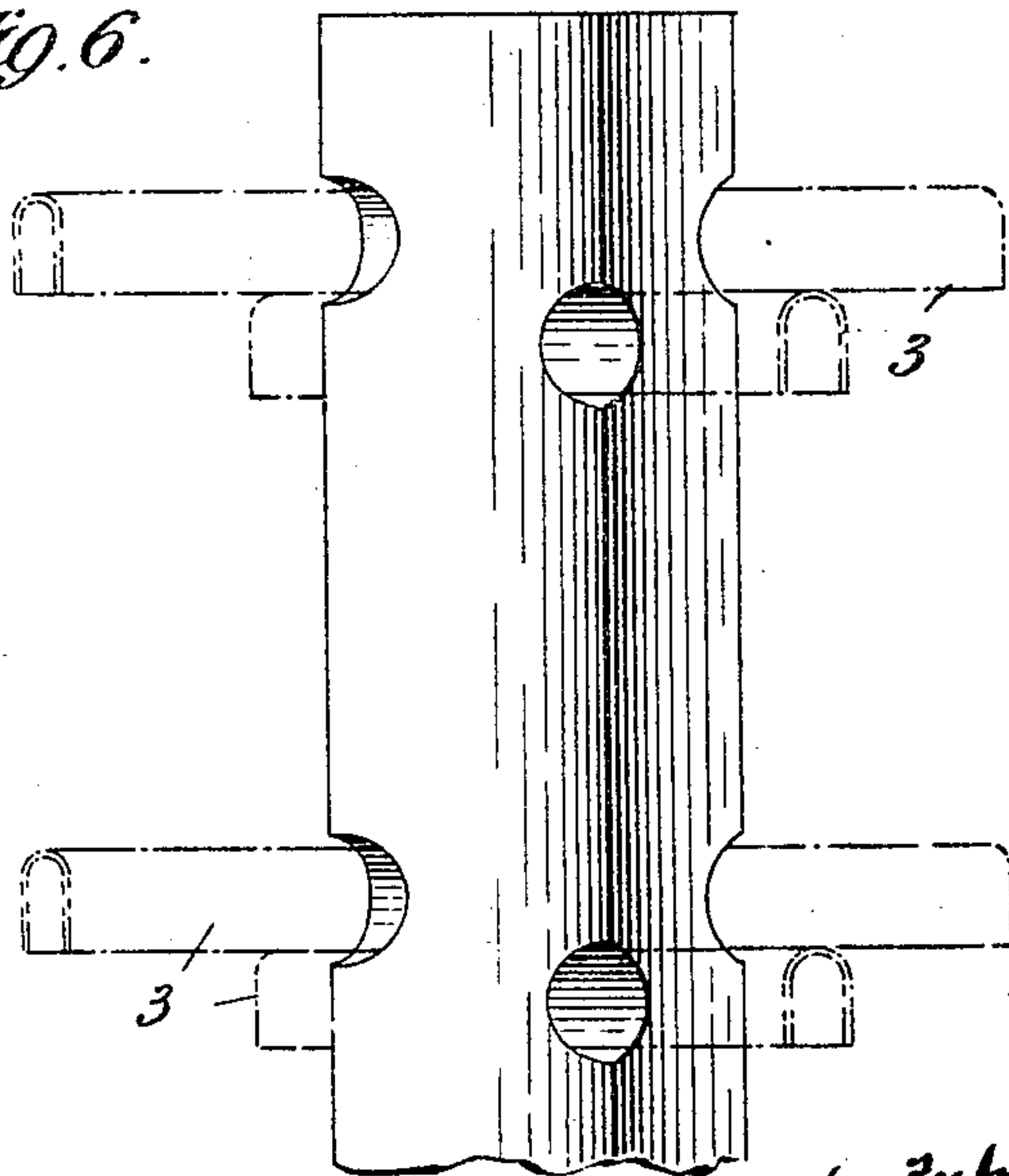


Fig. 6.



Witnesses
Hans. Ober
A. M. Hayes

Angelo F. Mack Inventor
By his Attorney Robert H. Morris

UNITED STATES PATENT OFFICE.

AUGUSTUS FREDERICK MACK, OF NEW YORK, N. Y.

RACK FOR BOTTLES.

No. 800,860.

Specification of Letters Patent.

Patented Oct. 3, 1905.

Application filed November 11, 1904. Serial No. 232,272.

To all whom it may concern:

Be it known that I, AUGUSTUS FREDERICK MACK, a citizen of the United States, residing in the borough of Brooklyn, New York city, county of Kings, and State of New York, have invented certain new and useful Improvements in Racks for Bottles, of which the following is such a full, clear, and exact description as will enable any one skilled in the art to which it ap-
10 pertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The object of my invention is to provide a rack for bottles which can be readily placed
15 in or withdrawn from the ordinary box or receptacle in which such articles are transported, a rack which will be strong and durable and which can be manufactured at reasonable cost. To accomplish this object, I
20 form the cell-forming rods or members of steel or other suitable sheet metal stamped into channel or U-shaped form, preferably constructing the entire rack of metal with angle-irons or uprights of sheet-steel pro-
25 vided with holes for receiving the channel-rods at right angles. Wooden uprights may, however, be used, and a rack may be made by inserting my improved channel-rods through ordinary wooden dividing-boards.

30 In the accompanying drawings like characters of reference indicate like parts throughout.

Figure 1 is a plan view of metal rack embodying my improvements and resting in an
35 ordinary wooden case or receptacle. Fig. 2 is a side elevation of the same. Fig. 3 is a plan view of metal strip from which a channel-rod is made. Fig. 4 is a rod stamped from such metal, showing channel or U-
40 shaped form. Fig. 5 shows a rack with U-shaped metal rods and wooden dividing-boards. Fig. 6 is a view of wooden upright with holes for receiving the metal channel-rods.

45 The uprights or angle-irons 1 1 are formed with perforations or holes 2 2 on each face or side to receive the rods 3 3, formed of channel-iron. The rods extend through the supporting-uprights 1 1 at right angles to each
50 other and divide the interior of the receptacle or case A into separate cells, squares, or

divisions for each bottle. Where supports in the form of dividing-boards B B are used, as shown in Fig. 5, the channel-rods extend in but one direction. The channel-rods, as
55 shown in Fig. 4, may be provided with recesses 4 4 to receive a similarly-formed channel-rod passing through the upright at right angles immediately beneath, thus securely
60 locking the two together in proper position, or a perforation may be made in the rod through which a brad or nail may be driven, as shown in Fig. 5. The rods 3 3, which I
65 preferably make of galvanized steel to avoid rust, have many advantages over wooden or steel rods which have heretofore been used. The channeled metal while light and inexpensive gives strength and rigidity to the structure as a whole, and, moreover, the sides of
70 the rods offer a certain elasticity at points where the bottles touch.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A bottle-rack comprising apertured supports and parallel cell-forming channel-rods
75 formed of light metal and affording an elastic bearing at the portions of their edges with which the bottles contact.

2. A bottle-rack comprising angle-iron up-
80 rights apertured in both flanges, and series of crossing cell-forming channel-rods of light metal mounted in said apertures at their crossing-points and affording an elastic bearing at the portions of their edges with which
85 the bottles contact.

3. A bottle-rack consisting of upright angle-irons apertured in both flanges and series of crossing cell-forming channel-rods of light
90 metal mounted in said apertures at their crossing-points and there recessed to interlock with each other as at 4, the said cell-forming rods affording an elastic bearing at the portions of their edges with which the
95 bottles contact.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

AUGUSTUS FREDERICK MACK.

Witnesses:

A. M. HAYES,
R. G. MONROE.