No. 665,976. Patented Jan. 15, 1901.

# W. M. PHELAN.

## BOTTLING TABLE.

(Application filed Dec. 7, 1900.)

(No Model.) 2 Sheets—Sheet 1.

Fig. 1.

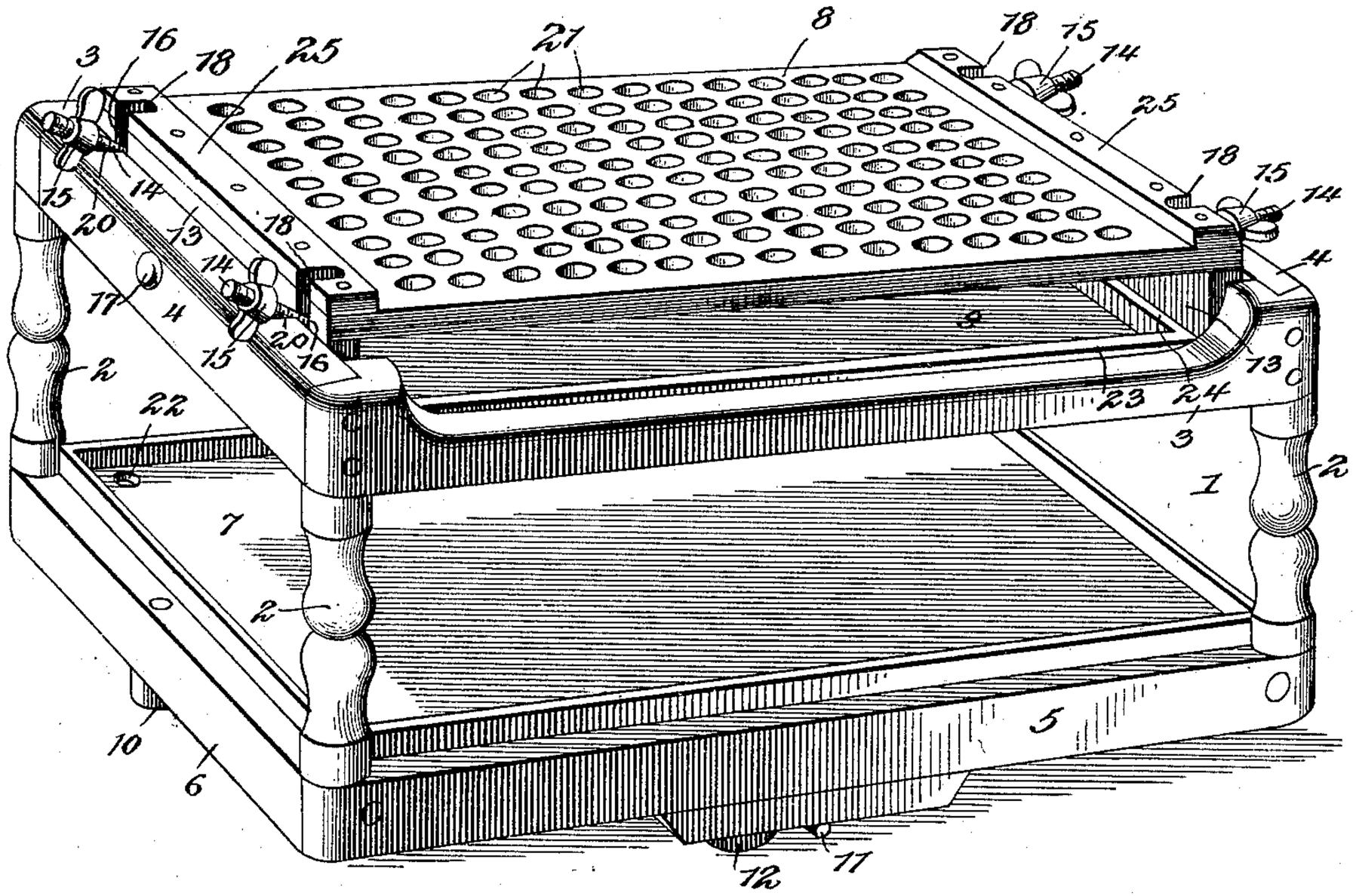
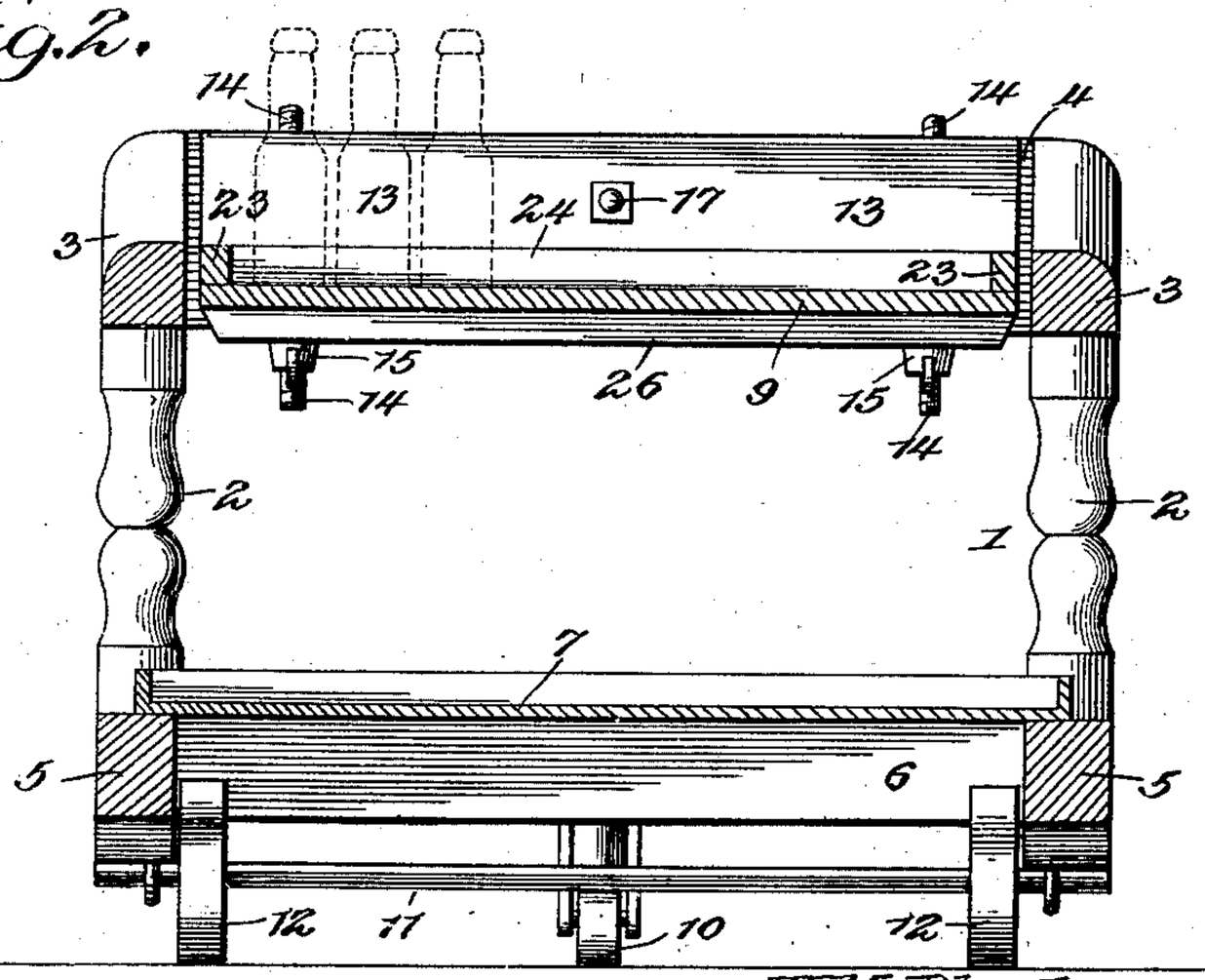



Fig. 2.

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(No Model.) 2 Sheets—Sheet 2.

Fig. 3.

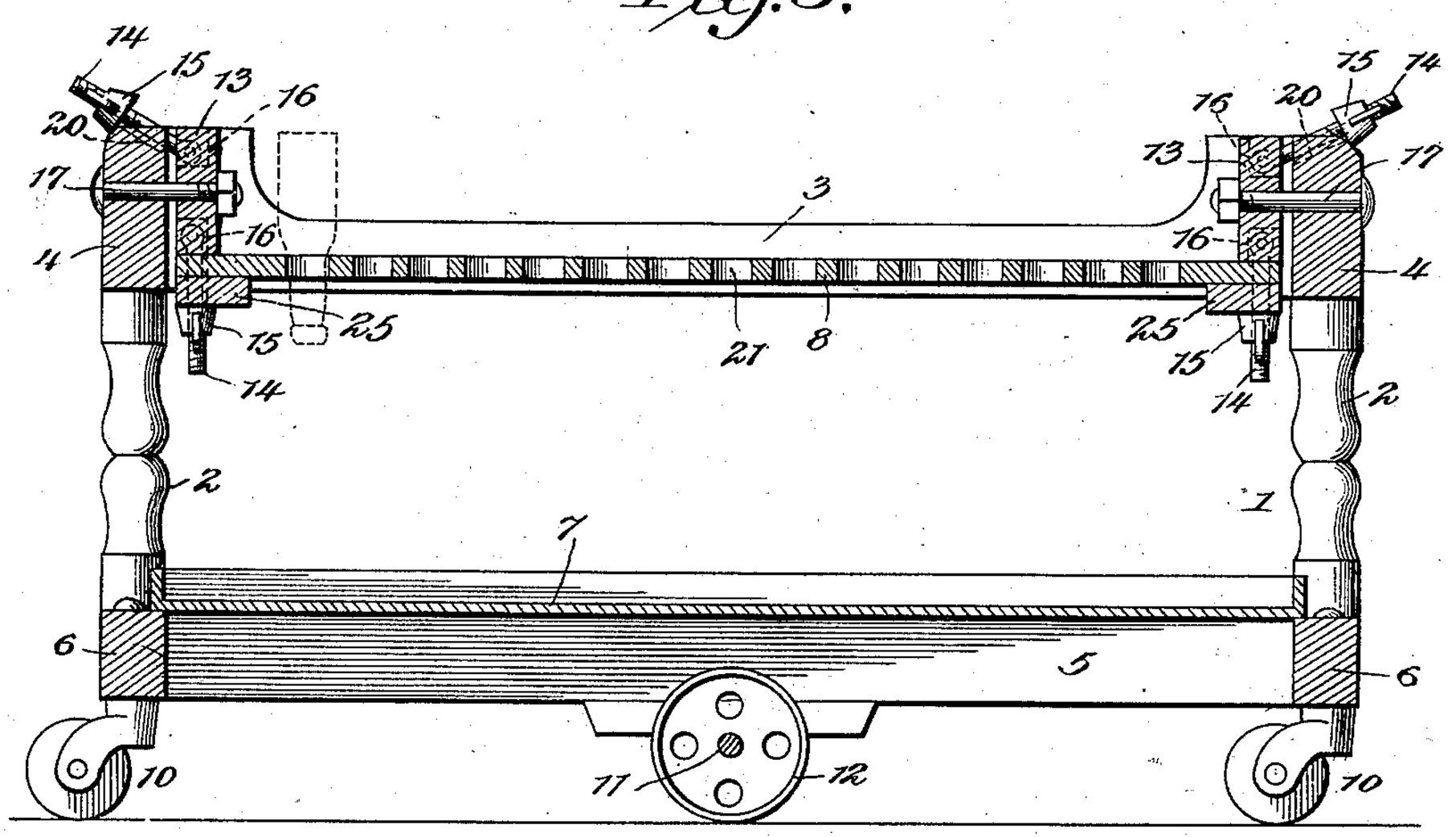
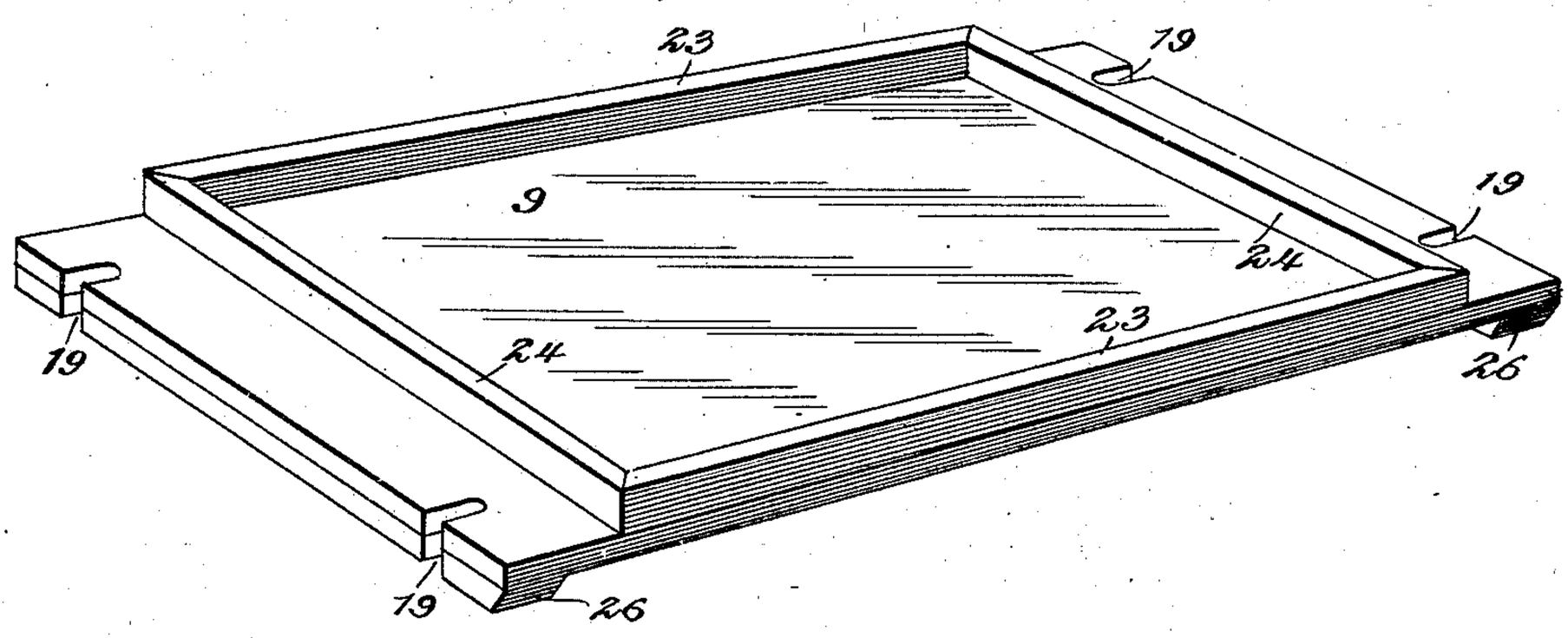



Fig. 4.

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# UNITED STATES PATENT OFFICE.

WILLIAM MICHAEL PHELAN, OF OSCEOLA MILLS, PENNSYLVANIA.

## BOTTLING-TABLE.

SPECIFICATION forming part of Letters Patent No. 665,976, dated January 15, 1901.

Application filed December 7, 1900. Serial No. 39,090. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM MICHAEL PHELAN, a citizen of the United States, residing at Osceola Mills, in the county of Clearfield and State of Pennsylvania, have invented a new and useful Bottling-Table, of which the following is a specification.

The invention relates to bottling-tables.

The object of the present invention is to improve the construction of tables and to provide a simple, inexpensive, and efficient one, designed especially for use in bottling establishments and adapted to serve the double purpose of a draining and filling table and capable of being readily arranged for holding bottles in an inverted position for draining and of supporting them in an upright position for filling.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a table constructed in accordance with this invention, the perforated top or tray being in position for the purpose of illustration. Fig. 2 is a transverse sectional view, the parts being arranged for filling bottles. Fig. 3 is a longitudinal sectional view, the parts being arranged for draining bottles. Fig. 4 is a detail perspective view of the imperforate top or tray for supporting bottles in an upright position for filling.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a table-frame provided with corner-posts 2 and having side and end bars 3 and 4 at its top, and the said legs are also connected by side and end bars 5 and 6, arranged at the lower ends of the legs and forming a support for a pan 7. The top bars or rails 3 and 4 form a rectangular space for the reception of reversible and removable tops or trays 8 and 9, adapted to hold bottles in an inverted position for draining and in an upright position for filling them with beer or other beverages. The frame of the table may be ornamented in any desired manner, and it is provided at its ends with caster-wheels 10, and it has a centrally-arranged axle 11 secured to the side bars 5 and provided with journals for the reception of supporting-wheels 12. The wheels 10 and 12, which support the frame of the table, enable the latter to be readily moved from one place to another.

The tops or trays 8 and 9 are detachably secured to pivoted bars 13 by movable fastening devices 14, preferably consisting of bolts provided with nuts 15 and pivoted in recesses 16 of the bars 13 and adapted to be swung inward and outward to engage either the ends of the tops or trays 8 and 9 or the end bars 4 of the frame of the table. The bars 13 are centrally connected with the top end bars of the frame of the table by bolts 17, forming the pivots for the bars 13 and adapted to permit the latter to be rotated to arrange the top or tray 8 for supporting bottles in an inverted position for draining, as illustrated in Fig. 3 of the accompanying drawings, or for arranging the top or tray 9, as shown in Fig. 2, to support the bottles in an upright position for filling. The trays 8 and 9 are provided at their ends with recesses 18 and 19, adapted to receive the fastening devices, and the nuts, which are preferably winged, as illustrated in the accompanying drawings, are adapted to be readily rotated to clamp the tops or trays in position, whereby either top or tray may be rigidly secured to the pivoted bars. The pivoted fastening devices are arranged in pairs at the upper and lower edges of the pivoted bars and are located near the ends thereof, the lower set being adapted to engage and clamp one of the trays or tops, and the upper set being designed, primarily, for engaging recesses 20 of the top end bars 4, whereby the pivoted bars and one of the trays are rigidly connected with the frame of the table and are prevented from tilting when the weight is unevenly distributed over the tray. The top-fastening devices are also adapted to be swung inward to clamp the tray 9 after the bottles have drained to enable them to be readily rotated to bring them to an upright position for filling.

The top or tray 8 is provided with openings or apertures 21, adapted to receive the necks of bottles, as illustrated in Fig. 3 of the accompanying drawings, to hold the bottles in

an inverted position for draining, and although the table may be made of any desired size it is preferably constructed of a size to accommodate a sufficient number of bottles for holding a half of a barrel of beer.

In using the table the perforated top or tray is first clamped to the pivoted bars and the latter are rotated to bring the tray 8 into the position illustrated in Fig. 3 of the accompanying drawings. The perforated tray is then adapted to receive the bottles after the latter have been washed, and they will support the bottles in an inverted position, as illustrated in Fig. 3 of the accompanying drawings. The water drained from the bottles will be received in the pan 7, which is located at the bottom of the table and which is provided with a suitable drain-opening 22. After the bottles have thoroughly drained the tray or top 9, which is imperforate, is applied to the bars 13 and is secured to them by swinging the top-fastening devices out of engagement with the frame of the table and into engagement with the recesses 19. The pivoted bars are then rotated to reverse the bottles to bring the latter to an upright position upon the imperforate tray 9. The perforated top or tray 8 is then removed and the parts are arranged, as illustrated in Fig. 2 of the accompanying drawings, so that the bottles may be filled, the imperforate tray or top being rigidly supported while the bottles are being filled by means of the upper fastening devices engaging the end bars of the frame.

The table is adapted to perform all the functions of a draining-table and a filling-table, and it obviates the necessity of removing the bottles from one table to another, and it enables the draining and filling operations to be performed in a much less space or area and with greater convenience than when two separate tables are provided. The tops or trays are adapted to securely hold the bottles while the latter are being rotated to change them from one position to another, and the said tops or trays are adapted to be entirely removed from the table and may be thoroughly washed and dried, so that they will always be clean and in proper condition for operating on bottles to the best advantage.

The imperforate tray is provided with side and end strips 23 and 24, forming walls or flanges for assisting in keeping the bottles on the tray or top, and both trays or tops are preferably reinforced at their ends by means of cleats 25 and 26, arranged at the upper faces of the trays or tops when the latter are at the upper edges of the pivoted bars and located beneath the said trays or tops when the latter are below the pivoted bars and in position for supporting the bottles.

It will be seen that the table is exceedingly simple and inexpensive in construction, that it is adapted for supporting bottles while the latter are draining and while they are being filled, and that it is adapted to be readily operated to change the bottle from one position to the other. It will also be apparent that it is capable of effecting a saving in the labor of bottling beverages, as the bottles do not have to be carried from one table to another and that the bottles are operated on in less time than when two separate tables are employed. Furthermore, it will be clear that the durability of the trays is increased and their cleanliness assured, as they are entirely removable from the frame of the table and may be thoroughly washed and completely dried.

What is claimed is—

1. A table comprising a frame, and a pair of tops or trays removably and pivotally mounted in the said frame and adapted to receive bottles for holding them in an upright or in an inverted position, substantially as described.

2. A table comprising a frame, supporting-bars pivotally mounted on the frame, and a pair of tops or trays detachably secured to the supporting-bars and adapted to support bottles either in an inverted or in an upright position, substantially as described.

3. A table comprising a frame, supporting-bars pivotally mounted on the frame and adapted to be rotated, trays detachably secured to the supporting-bars, one of the trays being provided with openings adapted to receive the necks of bottles, substantially as and for the purpose described.

4. A table comprising a frame, a pair of supporting-bars pivotally mounted within the frame and adapted to be rotated, a pair of removable tops or trays adapted to be secured to the supporting-bars and capable of rotating therewith, and fastening devices mounted on the supporting-bars and arranged to engage either the frame or the tops or trays, substantially as and for the purpose described.

5. A table comprising a frame, reversible supporting-bars mounted on the frame and adapted to be rotated, trays and pivoted fastening devices mounted on the supporting-bars and arranged to swing inward and outward, whereby they are engaged with either the trays or the frame, substantially as described.

6. A table comprising a frame, reversible supporting-bars mounted on the frame and adapted to be rotated, bottle-receiving trays, and pivoted bolts mounted on the supporting-bars and provided with nuts and adapted to be swung inward and outward to engage either the trays or the frame, substantially as and for the purpose described.

7. A table comprising a frame, reversible supporting-bars mounted on the frame, bottle-receiving trays provided with recesses, and pivoted bolts arranged at the upper and lower edges of the supporting-bars and adapted to swing inward and outward and provided with nuts and capable of engaging the recesses of the trays, and suitable recesses of the frame, substantially as described.

8. A table comprising a frame composed of posts or legs and top and bottom bars, a pan arranged at the bottom of the table and supported by the bottom bars, supporting-bars arranged within the frame and pivoted to the same at the top thereof, and trays detachably secured to the supporting-bars, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WILLIAM MICHAEL PHELAN.

Witnesses:
M. J. WHALEN,
M. DEMPSEY.