

2 Sheets—Sheet 1.

No. 559,733.

Patented May 5, 1896.



Inventor:
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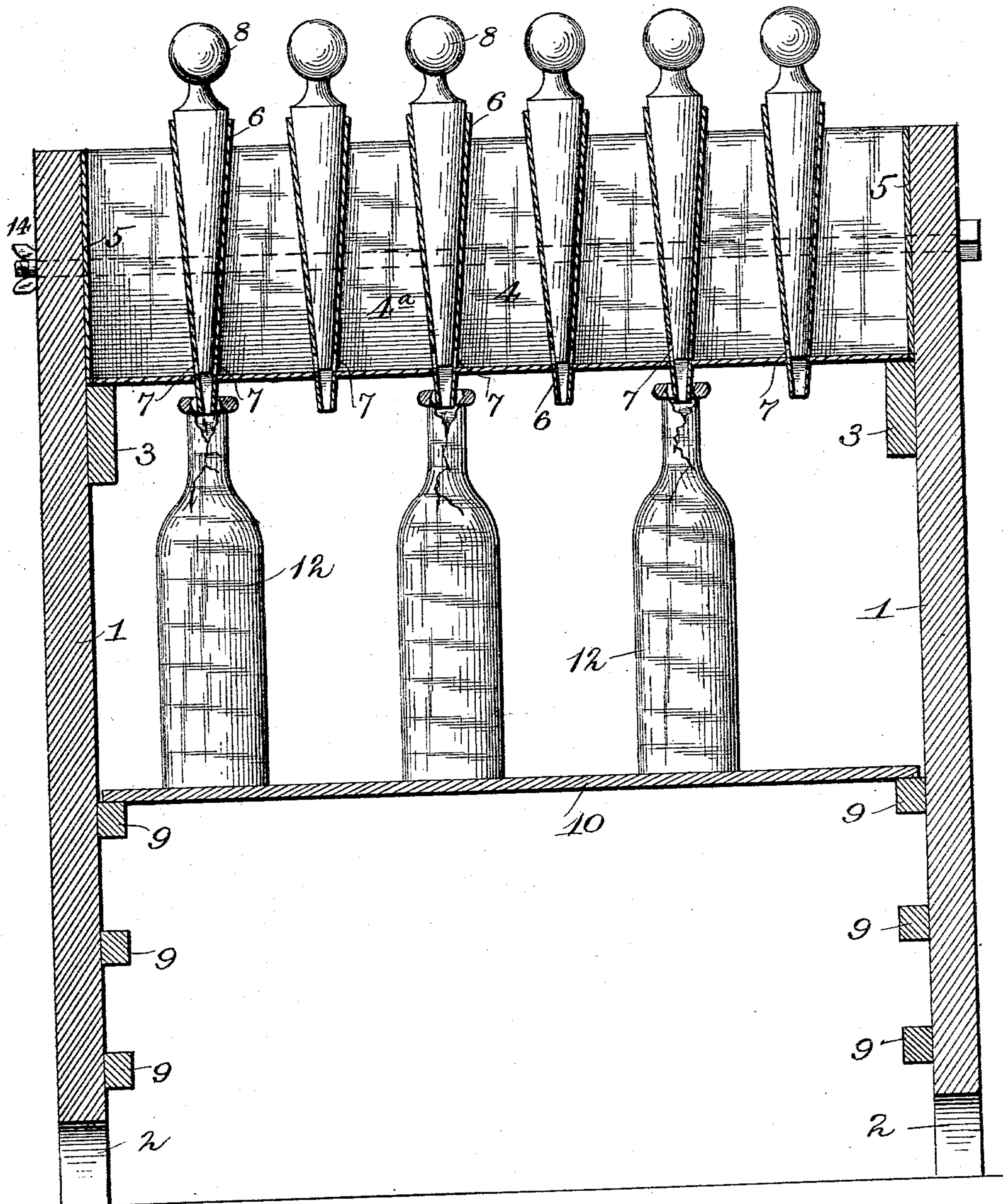
(No Model.)

2 Sheets—Sheet 2.

F. E. McKAY.
APPARATUS FOR FILLING BOTTLES.

No. 559,733.

Patented May 5, 1896.



Witnesses:
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UNITED STATES PATENT OFFICE.

FELIX EARLY MCKAY, OF TROUPE, TEXAS.

APPARATUS FOR FILLING BOTTLES.

SPECIFICATION forming part of Letters Patent No. 559,733, dated May 5, 1896.

Application filed September 3, 1895. Serial No. 561,260. (No model.)

To all whom it may concern:

Be it known that I, FELIX EARLY MCKAY, a citizen of the United States, and a resident of Troupe, in the county of Smith and State of Texas, have invented certain new and useful Improvements in Apparatus for Filling Bottles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to apparatus for filling bottles with crude petroleum, turpentine, and other liquids; and its object is to provide an improved construction which shall possess superior advantages with respect to efficiency in operation.

The invention consists in the novel construction and combination of parts herein-after fully described and claimed.

In the accompanying drawings, Figure 1 is a side elevation of an apparatus for bottling liquids constructed in accordance with my invention. Fig. 2 is a central longitudinal section of the same. Fig. 3 is a cross-section on the line $x x$, Fig. 1.

In the said drawings, the reference-numeral 1 designates two end standards, formed with feet 2 at their lower ends, and their upper ends made flaring or triangular-shaped and provided with inclined cleats 3.

The numeral 4 designates an oil or liquid receptacle, comprising the inclined sides 4^a, connected together at the lower ends, forming a triangular-shaped receptacle in cross-section, provided at each end with heads 5. This receptacle is preferably made of tin, but any other metal found desirable or convenient may be used. At suitable points this receptacle is provided with a number of vertical conical tubes 6, the lower ends of which project below the lower portion of said receptacles, and just above said lower end or bottom is formed with holes or apertures 7, communicating with the interior of the receptacle. Fitting in these tubes are correspondingly-shaped stoppers 8, which are movable vertically to open and close said apertures.

Secured to the inner sides of the standard 1 are a number of horizontal cleats 9, forming supports for an adjustable board 10, upon which the bottles 12 to be filled rest. The numeral 13 designates horizontal rods, headed at one end and screw-threaded at the other, which pass through the standards. These rods serve to hold the standards and liquid-receptacle in place and are provided with nuts 14.

The manner of using the device is as follows: The standards are connected together by the rods 13 and the receptacle placed in position, the ends thereof resting on the inclined cleats secured to the standards. The supporting-board 10 is then placed on the cleats 9, according to the height of the bottles to be filled, so that the mouths of the latter will be just under the lower ends of the tubes. The stoppers are then placed in the tubes and the receptacle supplied with oil or other liquid. By now elevating the said stoppers the apertures in the tubes will be uncovered or opened and the oil will flow there-through to the bottles. When the latter are filled or a sufficient quantity of liquid introduced therein, the stoppers are depressed, closing the openings and shutting off the supply of liquid to the bottles.

Having thus fully described my invention, what I claim is—

In a bottling apparatus, the combination with the standards, the liquid-receptacle, the tapering tubes the lower ends of which extend below the said receptacle, and said tubes formed with apertures near their lower ends communicating with said receptacle and the movable stoppers fitting in said receptacles, of the series of horizontal cleats secured to said standards, and the removable board supported upon said cleats for holding the bottles to be filled, substantially as described.

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

FELIX EARLY MCKAY.

Witnesses:

J. E. AITKEN,
W. B. HAMILL.