(No Model.)

G. N. SCHMIDT.

BOTTLING TABLE.

No. 548,466. Patented Oct. 22, 1895.

FIG. 1

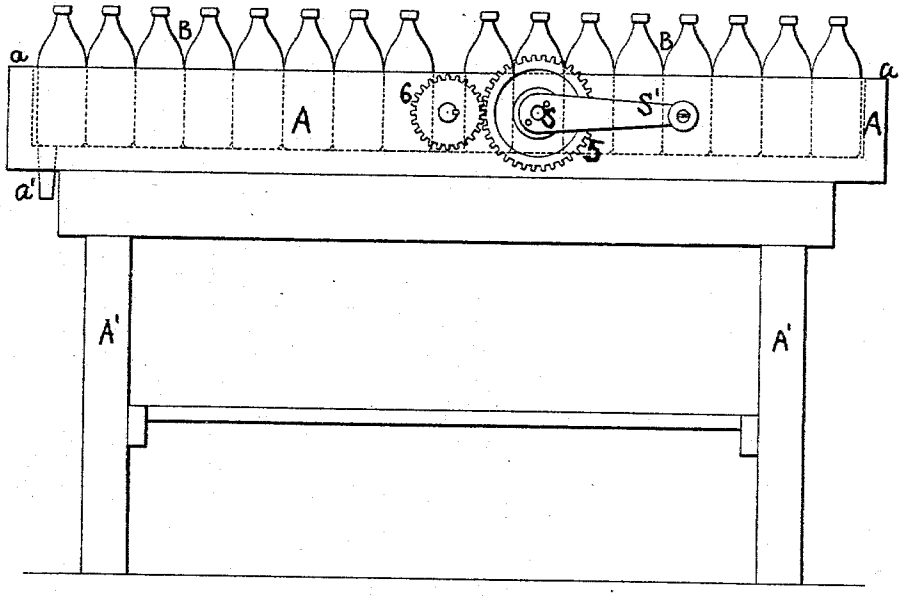
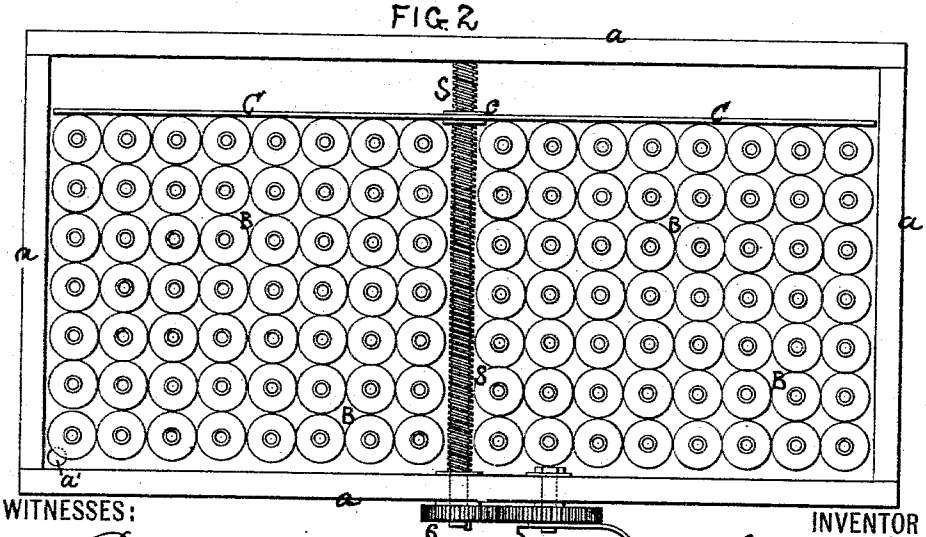


FIG. 2



WITNESSES:

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GEORGE N. SCHMIDT, OF HOBOKEN, NEW JERSEY.

BOTTLING-TABLE.

SPECIFICATION forming part of Letters Patent No. 548,466, dated October 22, 1895.

Application filed July 10, 1895. Serial No. 555,563. (No model.)

To all whom it may concern:

Be it known that I, GEORGE N. SCHMIDT, a citizen of the United States, and a resident of Hoboken, Hudson county, New Jersey, have invented an Improved Bottling-Table, of which the following is a specification.

The object of my invention is to so construct a bottling-table for the bottling of beer and other liquids that the bottles can be handled conveniently and expeditiously.

In the accompanying drawings, Figure 1 is a front elevation of my improved bottling-table, and Fig. 2 is a plan view of the same.

A common method of bottling beer and other such liquids is to provide a table to receive a large number of bottles adjacent to the barrel of liquid to be bottled, and the liquid is then drawn out of the barrel into two, three, or more bottles at a time through two, three, or more flexible tubes. This may be by siphonic action or the pressure of the gas in the barrel. As each set of two, three, or more bottles becomes filled the tubes are transferred to adjacent empty bottles, the filled bottles on the front row are removed, and the empty bottles behind are drawn forward by hand. This reaching over to bring the empty bottles to the front is awkward, inconvenient, and slow, and causes bottles to be knocked over and broken and the contents of filled bottles to be spilled.

My invention is designed to remedy these inconveniences by simple means.

The top A of the table, which is mounted upon any suitable construction of legs A′, is made with trough-like or with moderately deep vertical flanges *a* all around the edges. This trough is preferably lined with zinc and may have a drip-outlet at *a′* to carry off into a suitable receptacle liquid from the bottom of the trough, as is common.

My invention consists in providing this trough-like table with a feed-plate C, extending across the table and combined with means whereby it can be caused to move forward from back to front over the table to push the whole set of bottles B in advance of it. As the most convenient means for manipulating this feed-plate C, I provide a feed-screw S, mounted in fixed bearings in the front and back of the table and having its threads fitted into a corresponding female screw in a socket *c*, fixed in or forming part of the plate C. The feed-screw S is turned by means of a handle S′ within convenient reach of the operator. In the present instance I have shown the handle as secured to a gear 5, meshing with a pinion 6 on the front end of the screw-shaft S outside the trough.

It will be readily seen that as the bottles B on the front row become filled and are removed a turn of the handle S′ will quickly move the empty bottles forward *en masse*, with the front row in convenient position for being filled. This is repeated as each row is filled and removed, and all need of reaching over by the operator to the back of the table is done away with. When all the bottles which were put on the table have been removed, a few backward turns of the handle S′ will restore the plate C to its original position at the back of the table, which can then be resupplied with empty bottles.

I claim as my invention—

1. A bottling table having a trough-like top in combination with a feed plate extending across the top of the table and means for drawing said feed plate forward to move the empty bottles forward, as filled ones are removed, all substantially as described.

2. A bottling table having a trough-like top in combination with a feed plate extending across the top of the table, a feed screw mounted in fixed bearings in the table and having its threads engaging with a threaded part of the feed plate to move the latter forward or backward, as and for the purpose described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

GEORGE N. SCHMIDT.

Witnesses:

EDWIN SEGER,

HUBERT HOWSON.