

(No Model.)

L. B. HARNER & W. G. LOSCH.

BOTTLE FILLER.

No. 325,929.

Patented Sept. 8, 1885.

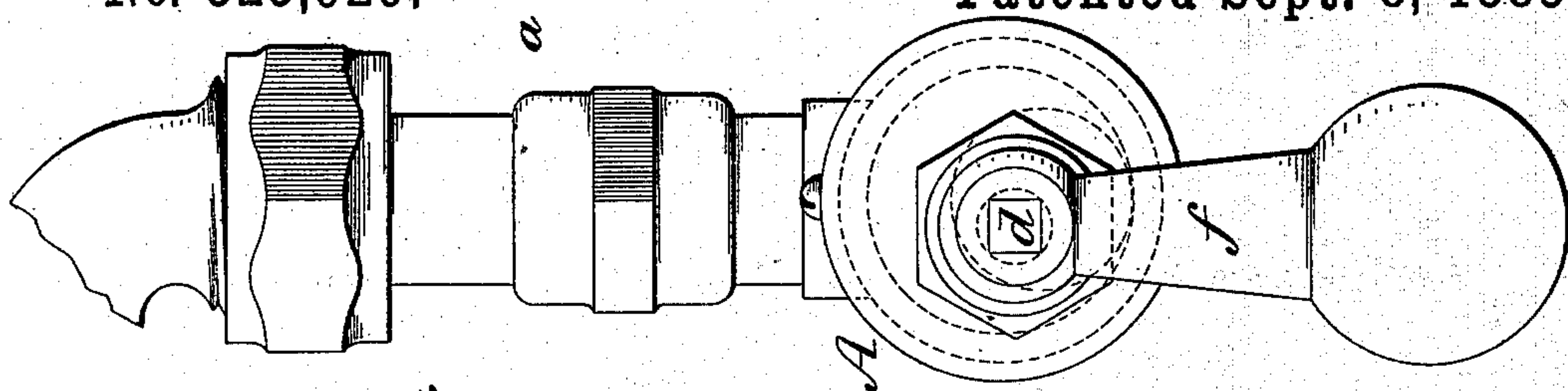


Fig. 2.

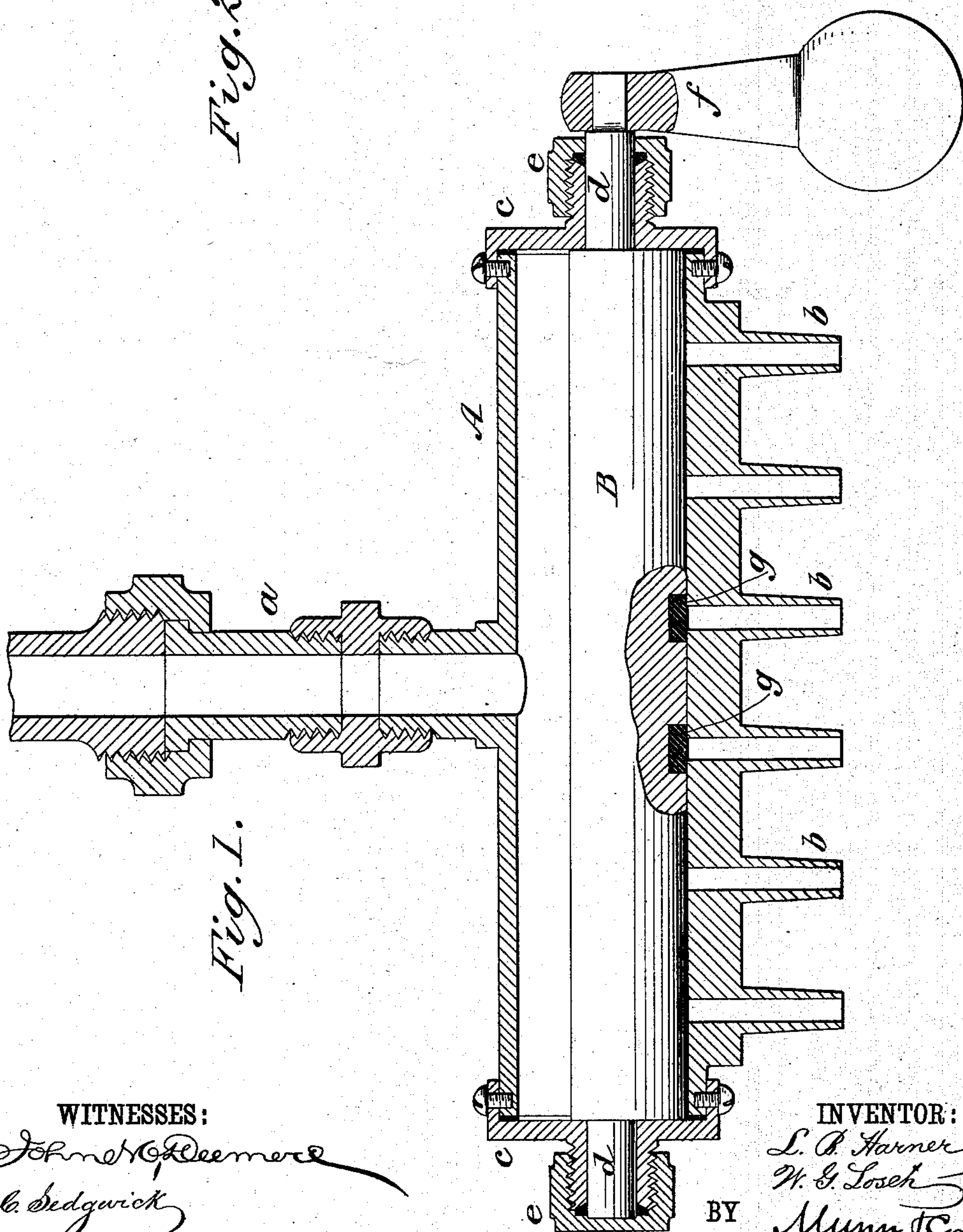


Fig. 1.

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LAVENDER B. HARNER AND WILLIAM G. LOSCH, OF POTTSVILLE, PA.

BOTTLE-FILLER.

SPECIFICATION forming part of Letters Patent No. 325,929, dated September 8, 1885.

Application filed May 12, 1884. (No model.)

To all whom it may concern:

Be it known that we, LAVENDER B. HARNER and WILLIAM G. LOSCH, both of Pottsville, in the county of Schuylkill and State of Pennsylvania, have invented a new and Improved Bottle-Filler, of which the following is a full, clear, and exact description.

The object of our invention is to provide for filling a number of bottles or other receptacles at once from a barrel or other supply conveniently and with uniformity; and it consists in an eccentric spindle-valve combined with a receiver having numerous discharge tubes or nozzles, as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a longitudinal section of our improved filling apparatus, and Fig. 2 is an end view of the same.

The receiver A is of tubular form and of any required length, according to the number of discharge-nozzles required; and it is provided with removable heads *c c* and a supply-pipe, *a*, having a coupling for connection to a pipe from a barrel or other source of supply. At the under side are the tubes or nozzles *b*, connected by apertures with the interior of the receiver A.

B is the spindle-valve, hung within the receiver by eccentric journals *d d*, that pass through the heads *c c*, so that the valve when turned in one direction closes over the apertures of nozzles *b* and rises therefrom when given a partial turn in the reverse direction. The heads *c* have packing-glands *e e*, covering the journals *d*, and the journal at one end extends through the head and has a weighted handle, *f*, upon it. To insure tight closing, the spindle B is fitted with disks *g*, of leather or other material, at the points covering the outlets.

The filler being attached to a barrel and the liquid allowed to enter the receiver A

freely, the bottles or other receptacles are put in place beneath, with the nozzles *b* entering them. The valve B is then opened, and the liquid will enter the bottles uniformly until they are as full as required, when the valve is to be closed. This work may be done rapidly, and all receptacles filled at one time will contain equal quantities.

When all the nozzles are not needed, they may be closed by plugs.

We are aware that a bottle-filler constructed to fill a number of bottles at one time is not, broadly, new; and we are also aware that a spindle working in a tubular valve has been provided with a cam for revolving said valve and causing a different part of the periphery of the valve to be presented to the seat at each closing, and therefore do not claim such inventions.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. In a bottle-filler, the combination, with the tubular receiver A, provided with the supply-pipe, *a* and a series of discharge-nozzles, *b*, of the cylindrical spindle-valve B, eccentrically pivoted in the said receiver, substantially as herein shown and described, whereby when the spindle is turned in one direction it closes over the apertures of the discharge-nozzles and rises therefrom when turned in the opposite direction, as set forth.

2. In a bottle-filler, the combination, with the tubular receiver A, having removable heads *c*, and provided with the supply-pipe *a* and a series of discharge-nozzles, *b*, of the cylindrical spindle-valve B, provided with the eccentric journals *d*, the handle *f* on one of the journals, and the packing-disks *g*, substantially as herein shown and described.

LAVENDER B. HARNER.
WILLIAM G. LOSCH.

Witnesses:

JOHN KALBACH,
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