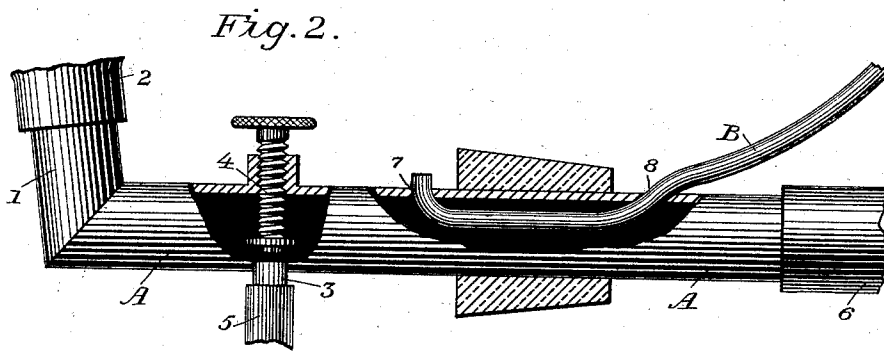
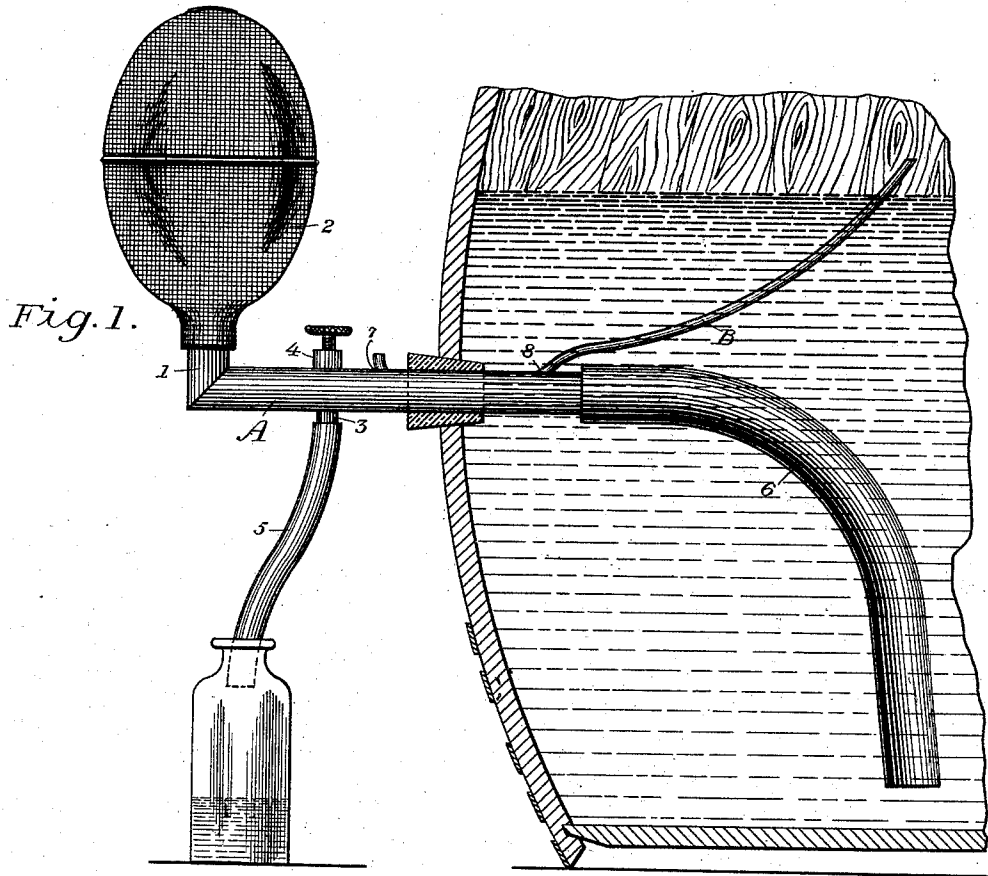


(No Model.)

J. H. STALLINGS.
BOTTLE FILLING DEVICE.

No. 498,863.

Patented June 6, 1893.



Witnesses
Wm. Musser
B. W. Sommers

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UNITED STATES PATENT OFFICE.

JOSEPH H. STALLINGS, OF NEW ORLEANS, LOUISIANA.

BOTTLE-FILLING DEVICE.

SPECIFICATION forming part of Letters Patent No. 498,863, dated June 6, 1893.

Application filed September 15, 1892. Serial No. 446,018. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH H. STALLINGS, a citizen of the United States of America, residing in the city of New Orleans, in the State of Louisiana, have invented a new and useful Bottle-Filling Apparatus or Device, of which the following is a specification.

My invention relates to improvements in means for transferring liquids from one vessel or depository into another; and the object is to provide a simple and efficient means to accomplish this transfer.

The invention consists in the novel construction and arrangement of parts as hereinafter set forth and particularly laid in the claims.

I attain the purpose of my invention by the means illustrated in the accompanying drawings, wherein—

Figure 1 is a view showing the device applied in operative connection in a cask or barrel and having a bottle connected at the outlet pipe. Fig. 2 is a detail of the device, partly in section to show the valve and connection to the air-bulb.

A designates the main pipe consisting of a tube of a suitable non-corrosive metal, made of such size as will serve the purposes. The outer end of this tube may be turned upward, a distance, as at 1, to have connected to it an air-bulb 2, and at a proper point in the tube is an outlet-pipe 3, the opening of which is closed by a valve 4, the stem of which is let through the shell of the pipe, substantially as shown.

To the outlet-pipe 3 is connected a flexible tubing 5, which leads the liquid from the main pipe A into the vessel to be filled.

On the inner end of the main pipe is attached a flexible tube 6, which extends down into the vessel from which the fluid is withdrawn, as indicated in the drawings.

B designates the air-pipe. This is a small metal tube let through the main pipe at 7, and then passes a distance in the bore of the main pipe and is then passed up through the shell of the pipe, at 8, and extended upward

as shown, a distance sufficient to carry the inner end above and free from the liquid in the vessel to be emptied or drawn from.

On the middle portion of the main pipe is arranged a corking or packing, as india rubber, which fits in the opening or bung of the vessel and seals the opening and at the same time sustains the device in position.

The device is applied in the vessel by inserting the pipes through the aperture made to receive them, and the packing firmly lodged in the opening. The valve is then opened and the free end of the flexible pipe 3 placed in or over the mouth of the bottle or other vessel to be filled and then by compressing the bulb and permitting it to expand, the fluid is drawn from the main vessel into the other.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A filling-device comprising a main tube formed with an outlet pipe, a collapsible bulb on the outer end of the main tube, a valve to close the outlet pipe, a flexible tube on the inner end of the main tube, an air-pipe in the main tube and extending upward at the inner portion thereof, and a packing around the main tube behind the outer open end of the air-pipe, all combined and arranged as set forth.

2. A filling-device comprising a main tube formed with an outlet pipe, a valve to close the outlet pipe, a flexible tube on the end of the outlet pipe, an air-bulb on the outer end of the main tube, a flexible tube on the inner end of the main tube, an air-pipe opening through the main tube and extending upward and rearward, and a packing around the main tube behind the outer open end of the air-pipe, all as set forth.

In witness whereof I have hereto set my hand in the presence of two attesting witnesses.

JOSEPH H. STALLINGS.

Attest:

JOHN B. FISHER,
EMILE POMÉ.