

(No Model.)

3 Sheets—Sheet 1.

N. VIZELICH.

COMBINED PORTABLE TANK AND PUMP.

No. 274,060.

Patented Mar. 13, 1883.

Fig. 1.

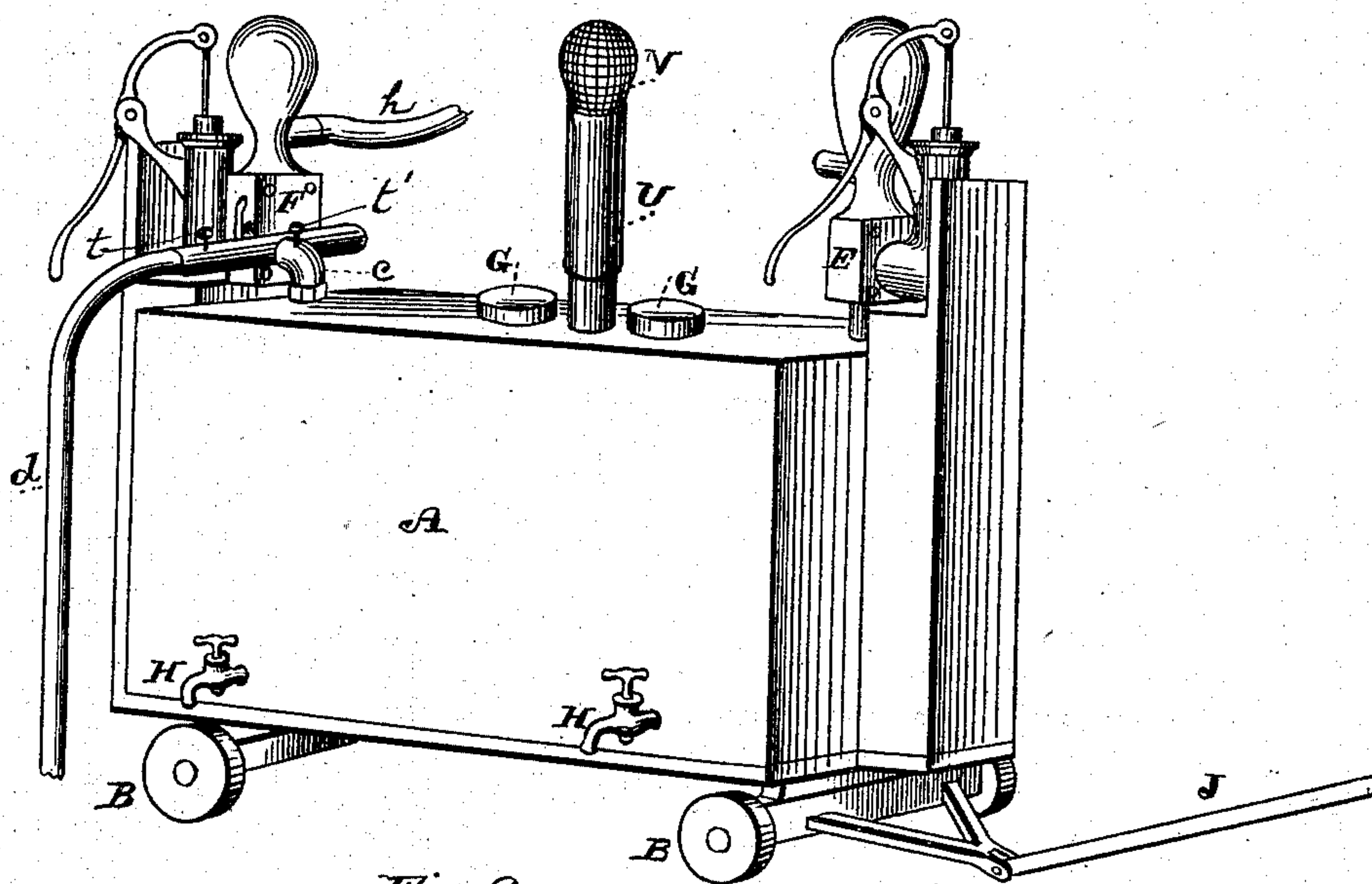
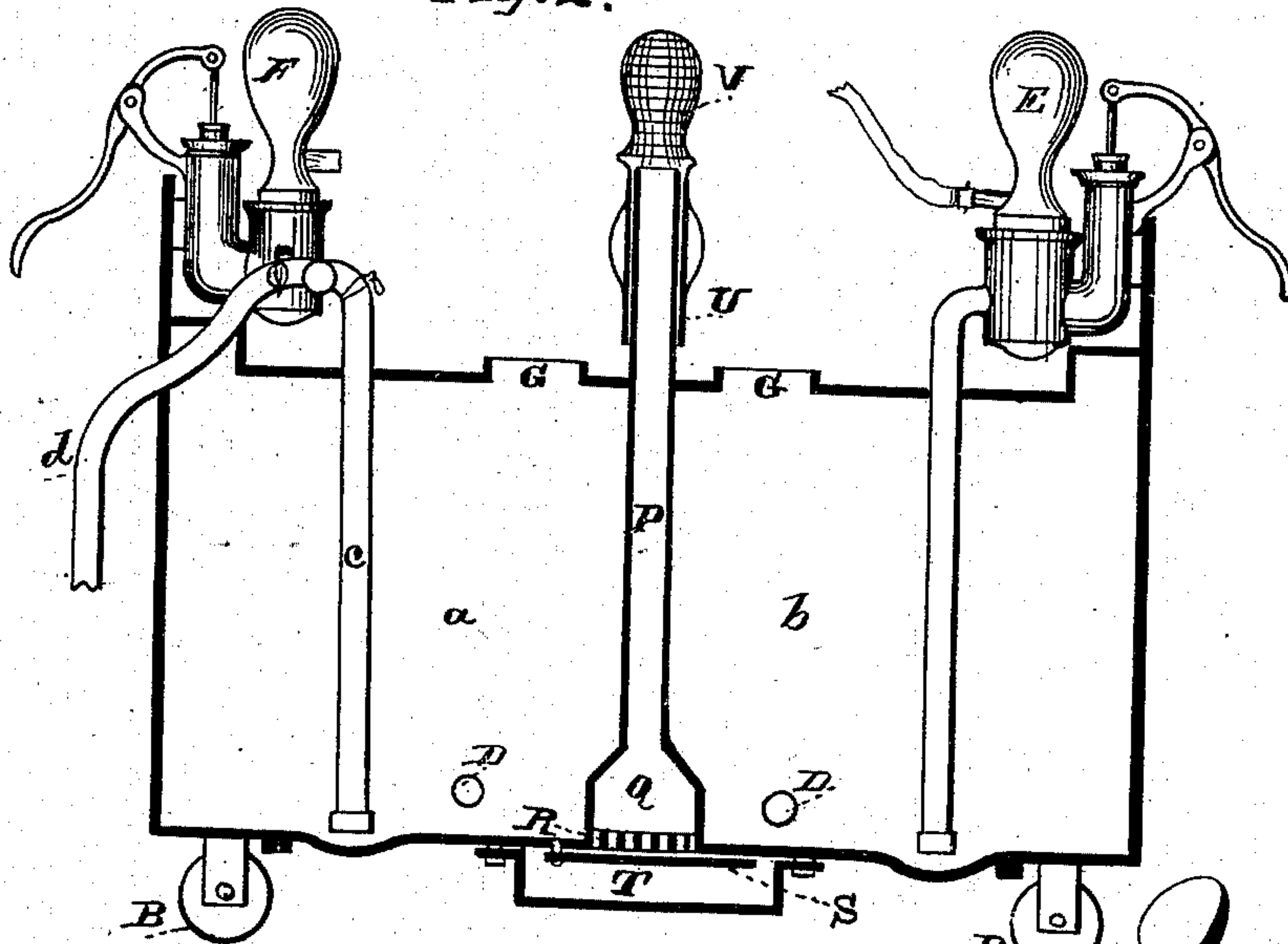


Fig. 2.



Witnesses
Geo. H. Strong.
Frank A. Brooks

Inventor
Nicolas Vizelich
By Dewey & Co.
Attys

(No Model.)

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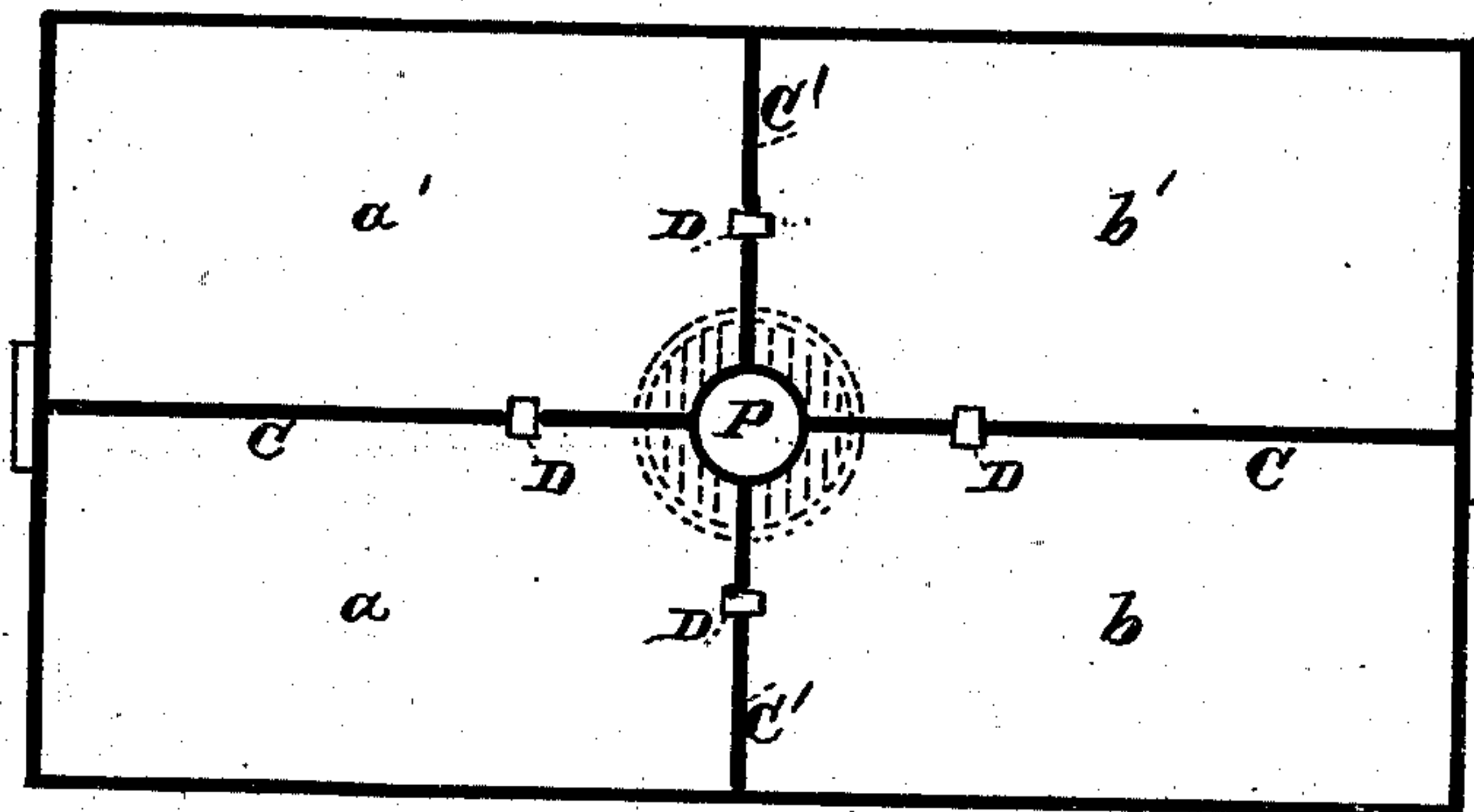
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Fig. 3.



Witnesses
Geo. H. Strong
Frank A. Brooks

Inventor
Nicolas Vizelich
By Devery & Co
Attys

(No Model.)

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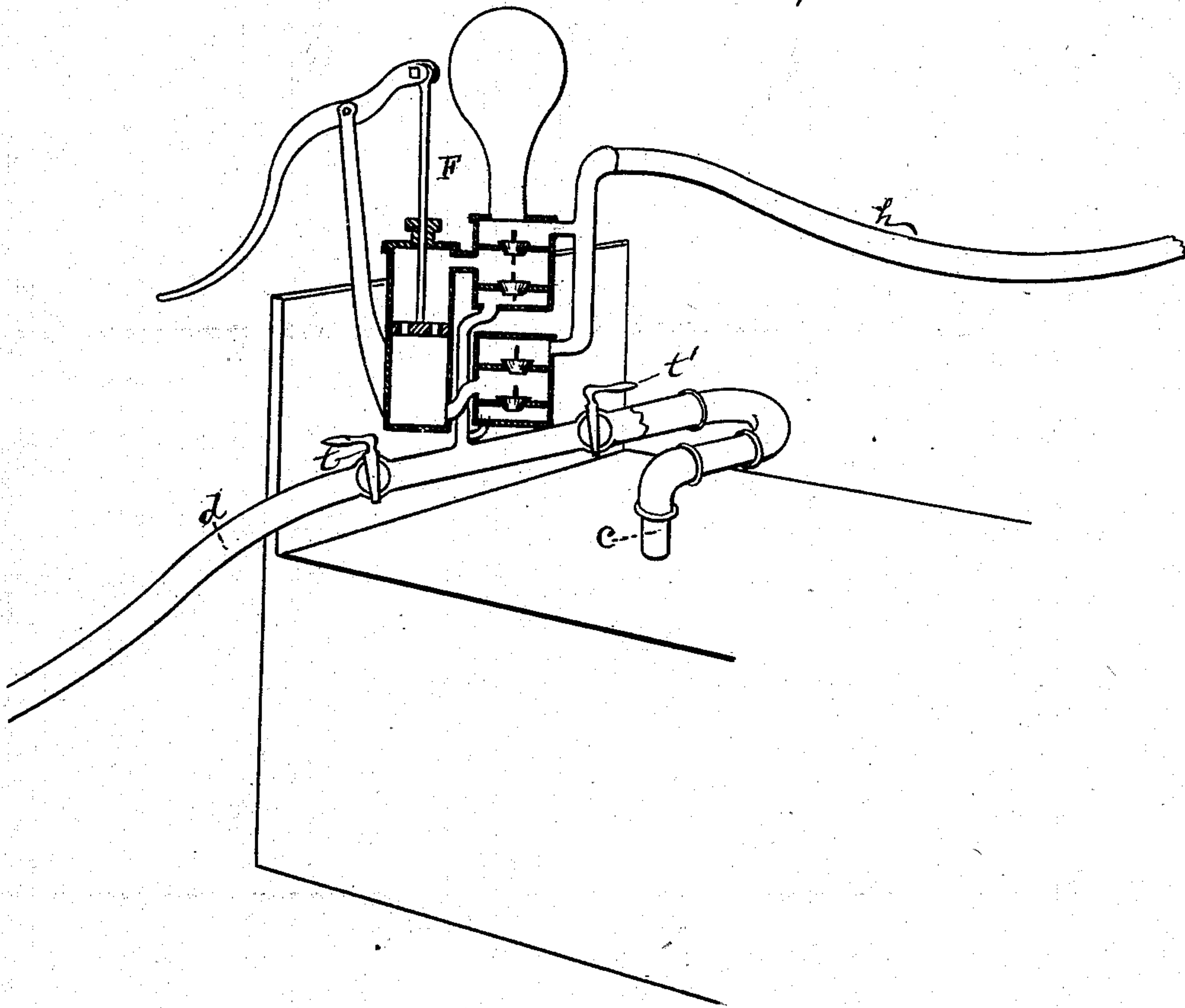
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Fig. 4



Witnesses,
Geo. H. Strong
J. H. Moore

Inventor,
N. Vizelich
By Devereux & Co
Attorneys.

UNITED STATES PATENT OFFICE.

NICOLAS VIZELICH, OF STOCKTON, CALIFORNIA.

COMBINED PORTABLE TANK AND PUMP.

SPECIFICATION forming part of Letters Patent No. 274,060, dated March 13, 1883.

Application filed November 14, 1881. (No model.)

To all whom it may concern:

Be it known that I, NICOLAS VIZELICH, of Stockton, county of San Joaquin, State of California, have invented a Combined Portable Tank and Pump; and I hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to a combined portable tank and pump; and it consists in a tank or liquid-containing vessel of the construction hereinafter described, mounted upon running-gear, and having combined with it and inserted within it force-pumps at each end, the whole machine being adapted to be drawn from place to place, for the objects and purposes hereinafter set forth.

Referring to the accompanying drawings, Figure 1 shows a perspective view of my machine. Fig. 2 is a longitudinal vertical section, and Fig. 3 a horizontal cross-section. Fig. 4 is an enlarged view, showing the valves whereby the action of the pump is made alternate.

Let A represent the tank, preferably constructed of sheet-iron, of any convenient size or shape. This is suitably mounted upon wheels B, said wheels being secured to the tank, either directly or through an intermediate truck. The object is to render the tank easily portable.

J represents the tongue or draft-bar.

The tank is divided into four compartments, *a, a', b, and b'*, by the partitions C C', and stop-cocks or plugs D in the lower portion of the partitions close or open passages between them. In the middle of the tank, where the partitions C C' meet, is an upright flue, P, opening at its base into a furnace, Q, and extending upward above the top of the tank. In the bottom of the furnace is a grate, R, under which is a damper, S, adapted to swing around and close or open the draft.

T is the ash-pit. By putting the furnace-flue in the middle all the compartments have a corner bordering upon it, and its heat may be radiated equally in all.

U is a cap having a wire-gauze head, V, said cap being adapted to fit over the top of the flue and act as a spark-arrester.

In one end of the tank is a force-pump, E,

having its suction-pipe extending down within compartment *b*, and having any suitable length of discharge-hose and style of spout. In the other end of the tank is a force-pump, F, having double suction-pipes *c* and *d*, provided with plug-valves *t t'* and hose *h*. This pump F is an ordinary force-pump, and may be used to pump water from a supply, independent of the tank, through pipe *d* when valve *t'* is closed, or pump water from the tank when valve *t* is closed. When it is desired to fill the tank the valve *t'* is closed, and hose *h* is thrust through man-hole G, when the water from the well or other supply passes through pipe *d*, pump F, and hose *h* into the tank, whence it may be subsequently drawn by changing the valves, as hereinbefore described.

In the top of the tank, over each compartment, are man-holes G, suitably covered, whereby the interior of the tank may be reached when required. Opening from the bottom of the compartments are faucets H H to draw off the liquid.

One of its most important uses, and that to which it is intended more particularly to be applied, is an insect destroyer and exterminator. It can be filled with the compound necessary to sprinkle the plants or trees, and be wheeled among them with ease and the liquid thrown upon them. The furnace and upright flue may be made to keep the contents warm. The fire in the furnace is extinguished by closing the damper and fitting a tight cap to the top of the flue. If the liquid be of such a nature as to injure the plants if left upon them, some of the compartments may be filled with it and the others with pure water, which latter may be used to wash off the plants. If the device is used in cold weather, the liquids may be heated in the tank by the furnace, and by sprinkling the trees with the warm liquid the insects may be induced to come out, when they may be destroyed.

In this my invention I do not claim a tank alone, nor a pump; but,

What I do claim as new, and desire to secure by Letters Patent, is—

The combined portable tank and pump consisting of the containing vessel or tank A, with its compartments *a, a', b, and b'*, plugs D,

furnace Q, with its flue P, grate R, and damp-
er S, ash-pit T, and the faucets H H, said
vessels being set on running-gear B, and the
pumps E and F in relation with the inside of
5 the tank, the whole arranged and combined in
one machine, substantially as and for the pur-
pose herein described.

In witness whereof I have hereunto set my
hand.

NICOLAS VIZELICH.

Witnesses:

JAS. A. MORRISY,
W. J. NELSON.