

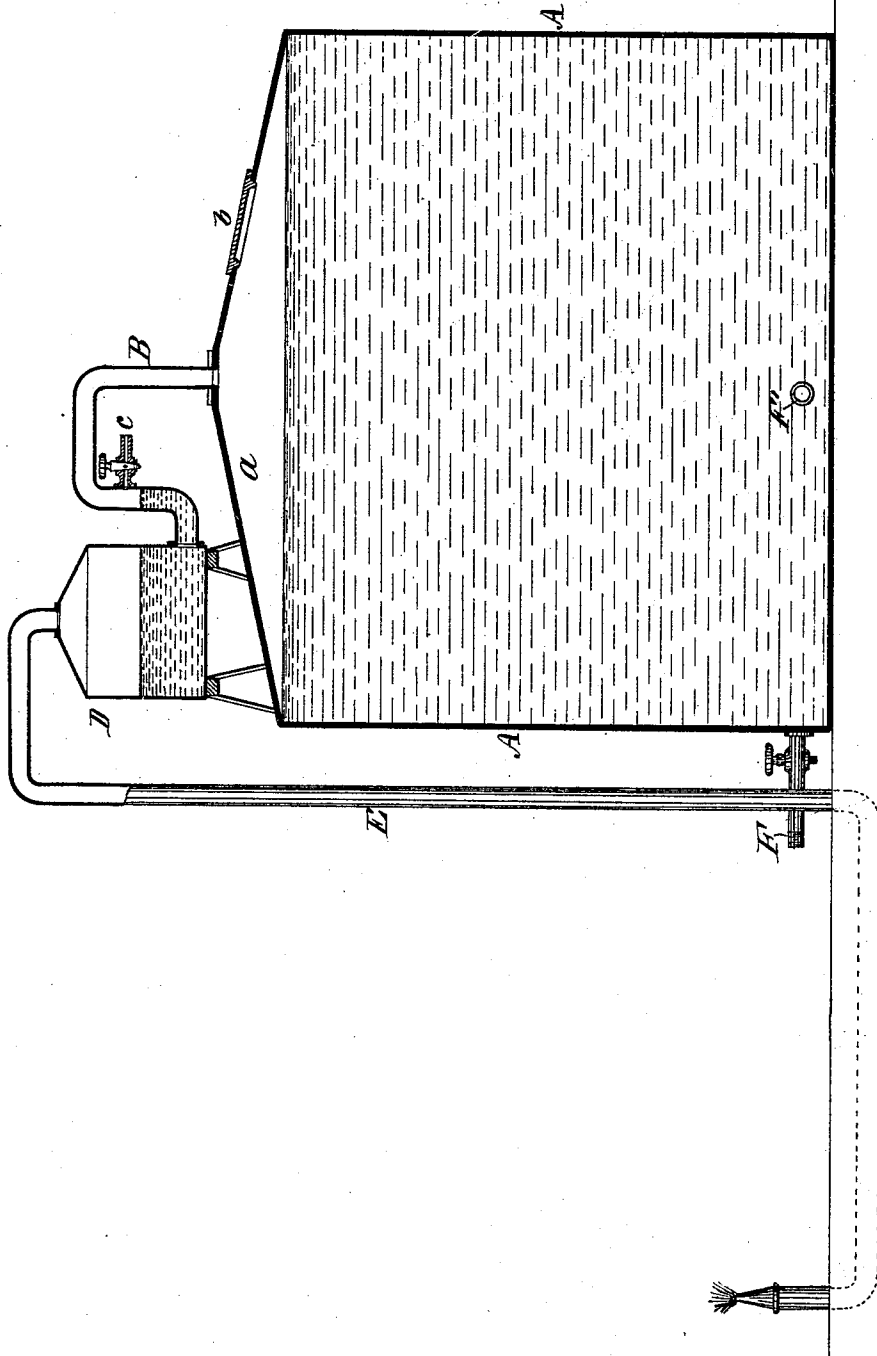
(No Model.)

F. H. BENTON.

STORAGE TANK FOR PETROLEUM.

No. 250,190.

Patented Nov. 29, 1881.



WITNESSES:

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FRANCIS H. BENTON, OF RENOVO, PENNSYLVANIA.

STORAGE-TANK FOR PETROLEUM.

SPECIFICATION forming part of Letters Patent No. 250,190, dated November 29, 1881.

Application filed June 7, 1881. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS H. BENTON, of Renovo, in the county of Clinton and State of Pennsylvania, have invented certain useful Improvements in Storage-Tanks for Petroleum, of which the following is a specification.

In carrying my invention into effect I construct the tank as shown in the figure of the accompanying drawing, which represents the tank and water reservoir or chamber in section.

The tank A is made air-tight by means of the cover *a*. The cover *a* is conical in form, and is provided with the covered man-hole *b*, through which the contents of the tank may be gaged, and the cover is provided at its apex with the bent pipe B, which communicates with the reservoir D, which is supported upon the roof of the tank by means of suitable benches, which are adapted for holding it in a horizontal position, and which reservoir is filled, or partially filled, with water, and from the top of the reservoir D leads the pipe E, which may lead down to and under the ground, as shown, for conducting the gases from the tank a long distance from the tank, where they may be allowed to escape, or they may be conducted to a furnace and burned and saved. In the pipe B, at a point above the level of the water in the reservoir D, is placed the air-inlet cock *c*, through which air is admitted to the oil-tank to prevent the formation of a vacuum when the tank is being emptied.

I am aware that it is common to conduct the

gas of petroleum away from a tank by means of a pipe leading from the top of the tank under ground, and that it is old to connect a washing-vessel with that in which gases intended to be burned are generated; but while the method of thus carrying off gas and utilizing it for fuel, &c., is well-known, the appliances heretofore in use for these purposes have not been found as convenient as could be desired. A gas-conducting pipe leading through the bottom of a tank necessarily exposes the tank to leakage, and where the washing-vessel is not arranged above the tank more space is required for accommodating the apparatus than is necessary.

The tank is filled and emptied through the pipes F F' at the bottom of the tank.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with the stationary tank A, of the washing-reservoir D, supported on top of the tank, the short pipe B, connecting the top of the tank with the bottom of the reservoir, and the conducting-pipe E, extending from the top of the reservoir downward on the outside of the tank and underground, whereby petroleum gas shall be conveniently purified for illuminating purposes, as set forth.

FRANCIS H. BENTON.

Witnesses:

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