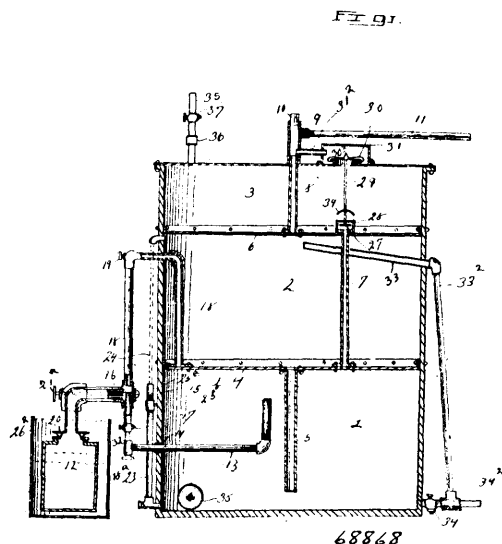


generating chamber, a gas pipe also connecting the top of the receiving chamber with the generating chamber, the construction

to travel freely therein on the discharge of the active material therefrom, substantially as described. 3rd. An acetylene gas generator



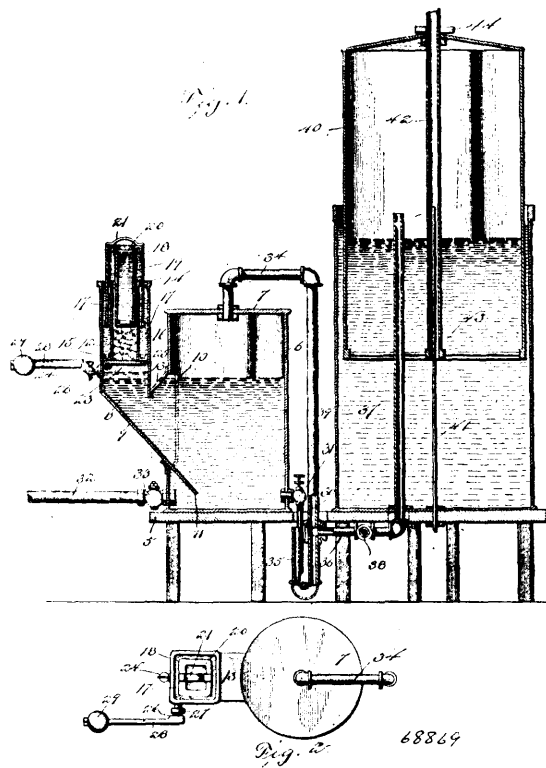
being such that the gas will cause the water in the receiving chamber to rise and fall, thereby controlling the flow of water to the generator, substantially as described. 4th. A gas generator, comprising a main closure having a lower receiving chamber, a central water chamber, and an upper distributing chamber, piping connecting the receiving chamber with the generating chamber, a pipe connecting the receiving chamber with the distributing chamber and a valve located at the upper end of said latter pipe, its stem extending into the said distributing chamber and adapted to be raised or lowered by the pressure of the gas for automatically regulating the flow of gas into said distributing chamber, substantially as described. 5th. A gas generator, comprising a main closure having a receiving chamber, a water chamber and a distributing chamber formed therein, a generating chamber connected with the said receiving chamber for forming gas, a pipe connecting the receiving chamber with the distributing chamber, a valve at the upper end of the said pipe provided with a suitable valve seat, the stem of the said valve being connected with a flexible diaphragm located in the top of the said chamber, a gas deflector secured to said stem, and means for leading gas through said chamber, the construction being such that the flow of gas into the said distributing chamber is automatically regulated by the pressure of the diaphragm and the deflector gives the gas a chance to settle and clear in the said distributing chamber, substantially as described. 6th. In a gas generator, the combination with a main closure having a receiving chamber, a water chamber, and a distributing chamber formed therein, means for supplying gas to the said chamber and a pipe open at the top for supplying water to the water tank, a plug for closing said pipe, a vent pipe secured to said supply pipe for permitting air to enter and pass out of the said water chamber, a cock for controlling the flow of gas, substantially as described.

No. 68,869. Acetylene Gas Generator.

(Générateur à gaz acétylène.)

William Miller, Thomasville, Georgia, U.S.A., 2nd October, 1900; 6 years. (Filed 21st June, 1900.)

Claim.—1st. An acetylene gas generator, comprising a generating chamber, a carbide-magazine communicating therewith below the water level therein, and having a pivoted counter-weighted grate or bottom, at a point above the water level, whereby an intermediate chamber is formed below the magazine, a cock communicating with said intermediate chamber, and a sealed bell in the carbide-magazine, and having a plunger to bear on the charge therein, substantially as described. 2nd. An acetylene gas generator comprising a generating chamber adapted to contain a liquid, a magazine communicating with said chamber and provided with a seal chamber which is independent of the magazine chamber, means for closing the seal chamber and sustaining the charge of active material therein, a bell immersed in the seal chamber of said magazine, and a displacement plunger movable with said bell and fitted in the magazine chamber



comprising a generating chamber, a magazine in communication with said chamber and provided with the independent magazine chamber and seal chamber, a weighted bell and plunger connected together and fitted respectively in the seal chamber and the magazine chamber, and means for closing the magazine chamber against the weight of the charge and the displacement plunger therein, substantially as described. 4th. An acetylene gas generator comprising a tank forming a generating chamber, an inclined conduit communicating with said chamber below the normal water line therein, a magazine fast with said conduit and provided with an internal shell forming a magazine chamber within a surrounding seal chamber, a hinged grate or bottom normally closing the bottom of the magazine chamber, and a bell provided with a weighted displacement plunger adapted to the magazine and seal chambers, substantially as described. 5th. An acetylene gas generator comprising a generating chamber, a magazine communicating with said chamber below the normal water line therein and provided with a magazine chamber above the water line, a hinged counterpoised grate or bottom closing the magazine chamber, a displacement plunger movable in the magazine chamber, and a valve communicating with the magazine at a point between the chamber thereof and the water level in the lower part of the same, substantially as described.

No. 68,870. Acetylene Gas Apparatus.

(Générateur à gaz acétylène.)

James E. Fulton, Athens, Illinois, U.S.A., 2nd October, 1900; 6 years. (Filed 30th June, 1900.)

Claim.—1st. In a gas machine, a flanged magazine having radial partitions downwardly opening doors, and means for operating said doors, in combination with a generator cylinder, a gasket between said cylinder and said magazine, securing devices connecting said magazine, with said cylinder, a receptacle within said cylinder, a shell inclosing said cylinder, and a gas receiver in communication with said cylinder as set forth. 2nd. In a gas machine, a magazine having compartments open at one end, doors fitting in the openings in said compartments, rods screw-threaded for a part of their length and having pivotal connection with said doors, glands on said