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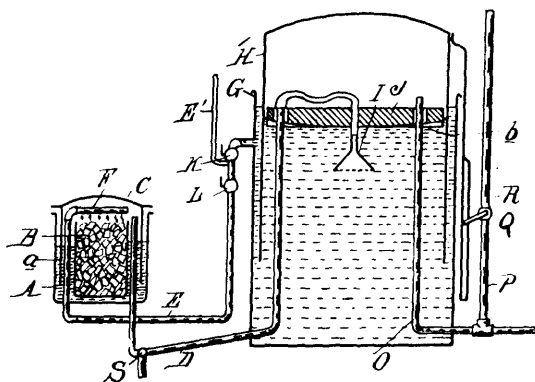
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INVENTIONS PATENTED.

NOTE.—Patents are granted for 18 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 62,483. Gas Apparatus. (*Appareil à gaz.*)



62483

John Shannon, Wixom, David A. Killins, South Lyon, and Fred J. Cook, Fowlerville, all in Michigan, U.S.A., 1st February, 1899; 6 years. (Filed 10th January, 1898.)

Claim.—1st. The combination with a gas generating chamber and a gasometer connected therewith, of a pipe connecting the water chamber of the gasometer with said generating chamber, two valves in said pipe, the lever M and connections between said lever and valves whereby said valves are oppositely opened or closed by the movement of said lever, a link N connected to the gas tank of said gasometer, and a lost motion connection between said tank and the lever M. 2nd. A gas generator comprising a cylindrical vessel open at its upper end and containing water, a vessel for holding the generating compound of similar shape but of lesser diameter removably placed within said outer vessel so as to form a surrounding annular water chamber, a cover having a depending cylindrical flange adapted to be immersed in said annular chamber and a gas outlet pipe passing up through said annular chamber to above the water level. 3rd. The combination with a gas generating chamber and a gasometer connected therewith, of a pipe connecting the water chamber of the gasometer with said generating chamber, two valves in said pipe, the lever M adapted to oppositely open and close said valves, and an air vent pipe connecting to said water pipe between the valves and extending up to above the water level of the tank, and the link N connected to the gas tank of the gasometer

and having a lost motion connection to said lever. 4th. The combination with a gas holder having water in the lower portion thereof, of a float within said holder having channels on its underside extending from centre to periphery and a gas inlet pipe for said holder, having a discharge nozzle centrally below said float. 5th. A gas generator comprising a cylindrical vessel open at its upper end and containing water, a vessel for holding the generating compound of similar shape but of lesser diameter removably placed within said outer vessel so as to form a surrounding annular water chamber, a cover having a depending cylindrical flange adapted to be immersed in said annular chamber and a gas outlet pipe passing up through said annular chamber above the water level. 6th. A gas generator comprising an outer cylindrical casing open at its upper end and containing water, an inner vessel of similar shape but lesser diameter removably placed within said outer vessel so as to form a surrounding annular water chamber, a cover having a depending cylindrical flange adapted to be immersed in said annular water chamber, gas outlet and water inlet pipes passing up through said annular chamber to above the water level, and a laterally extending perforated pipe swivelled to the upper end of the water inlet pipe. 7th. A gas generator comprising an outer cylindrical casing open at its upper end and containing water, an inner receptacle of similar shape but lesser diameter removably placed within said outer casing so as to form a surrounding annular water chamber, a cover having a depending cylindrical flange adapted to be immersed in said annular chamber, water inlet and gas outlet pipes passing up through said annular chamber to above the water level, and the curved perforated pipe F swivelled to the upper end of said water inlet pipe. 8th. The combination with a gasometer, of a horizontal deflector plate therein extending across the tank below the surface of the water, and a gas inlet pipe having a discharge nozzle centrally below said plate. 9th. The combination with a gasometer of a horizontal deflector plate therein below the surface of the water, having a series of radial channels on its under side and a gas inlet pipe having a discharge nozzle centrally below said deflector plate. 10th. The combination with a gasometer of a float therein extending across the tank and having a series of radial channels on its underside, gas inlet and outlet pipes passing up through said tank and through apertures in said float, and a downward extension to said inlet pipe terminating in a perforated discharge nozzle centrally below said float. 11th. The combination with a gasometer and a gas operating chamber, having a removable cover and a pipe connecting said generating chamber and gasometer, of a drain or vent valve for said connecting pipe, a locking bail for said cover, and a connection between said locking bail and valve adapted to open the latter upon the turning down the former to permit of detaching the cover.

No. 62,484. Acetylene Gas Generator.

(*Générateur à gaz acétylène.*)

The Wizard Manufacturing Company, assignee of Milton Morris Kohn, all of Chicago, Illinois, U.S.A., 1st February, 1899; 6 years. (Filed 18th September, 1897.)

Claim.—1st. In an acetylene gas generator, the combination with a chamber for carbide of calcium, of a yielding movable part which confines the carbide and residue in a compact body but which yields on the expansion of the carbide due to its decomposition, and means for supplying a regulated quantity of water to the carbide, substantially as described. 2nd. In a generator adapted to generate gas from a liquid and a solid gas-producing substance, a chamber to contain the solid, and a liquid reservoir, a body of absorbent material adapted to be saturated with the liquid gas-producing substance, and having direct and extended contact with the solid gas-producing substance, and a liquid inlet for supplying a regulated quantity of liquid to said absorbent material, whereby the said