

thereof, of a strip of metal fixed to the flap and projecting beyond the line of fold thereof and having its projecting portion encased

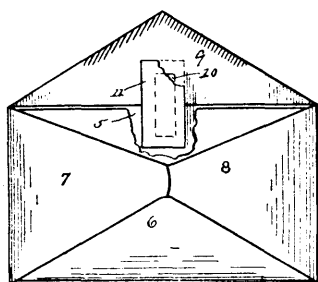
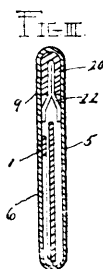


FIG. I.



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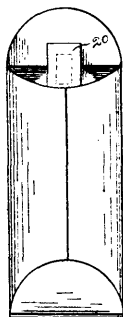
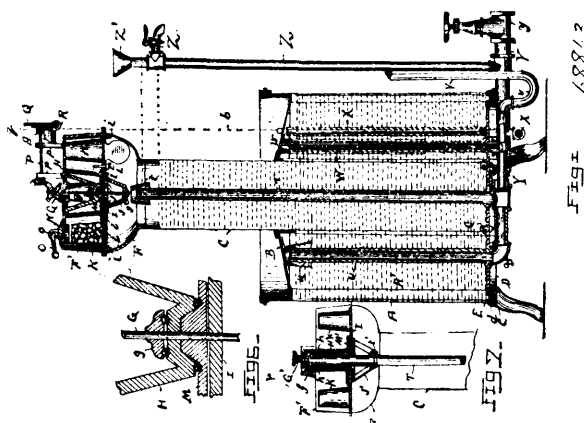


FIG. III.

within the envelope and adapted to be bent with the envelope to retard displacement of the latter, and a coating of gum applied to the inner face of the flap at its edge.

No. 68,863. Acetylene Gas Generator.

(Générateur à gaz acétylène.)



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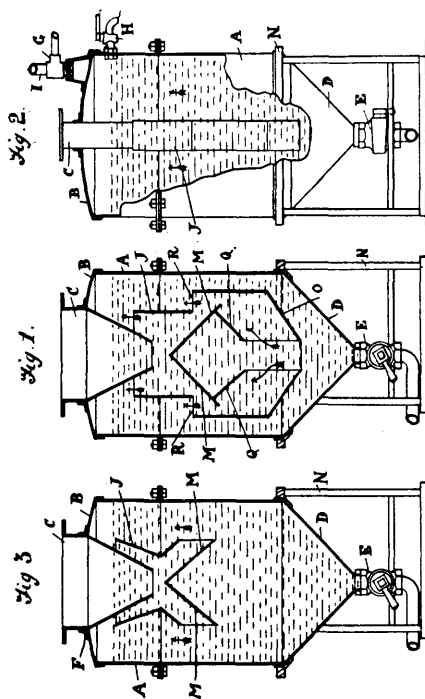
Pulaski D. Westcott, Corning, New York, U.S.A., 29th September, 1900; 6 years. (Filed 28th March, 1900.)

Claim.—1st. A feed mechanism for acetylene gas generators comprising a plate, a plurality of bottomless carbide receptacles arising from said plate, drops to close the bottoms of said receptacles, arms on said drops rising through an annular series of slots in said plate, a disc provided with an opening to register with said slots, and mechanism to rotate the disc whereby the arms are actuated to open and close the drops. 2nd. A feed mechanism for acetylene gas generators comprising a vertical shaft at the top of the generator, a plate suspended within the generator, a plurality of bottomless carbide receptacles carried by said plate, drops to close the bottoms of said receptacles, a mechanism operated by the shaft when turned in one direction to open and close the drops, clutch mechanism by which the shaft engages and rotates the plate and receptacles when turned in the opposite direction, a charging aperture in the generator top in the line of travel of the receptacles, and means for imparting motion to the shaft in either direction. 3rd. An acetylene gas generator comprising a gasometer, a water receptacle, a chamber above the water receptacle in communication with

the gasometer, a vertical shaft at the top of said chamber, a plurality of bottomless carbide receptacles disposed around the shaft within said chamber, drops to close the bottoms of said receptacles, mechanism operated by the shaft to open and close the drops, a ratchet gear operated by the rise and fall of the gasometer bell to impart periodic motion to the shaft, and means for charging the carbide receptacles. 4th. An acetylene gas generator comprising a gasometer, a water receptacle, a chamber above the water receptacle in communication with the gasometer, a vertical shaft hung from the top of said receptacle, a plate supported upon said shaft within the generator, a plurality of bottomless carbide receptacles carried thereon, drops to close the bottoms of said receptacles, arms projecting from said drops through slots in the plate, a disc to rotate with the shaft above the plate provided with an opening to register with said slots in succession, a clutch whereby the plate is rotated with the disc when turned backward, means for holding the plate stationary at other times, a ratchet gear operated by the gasometer bell to impart periodic motion to the shaft, a dial carried thereby to indicate the number of receptacles discharged, and a charging aperture in the line of travel of said receptacles. 5th. An acetylene gas generator comprising a water receptacle, a carbide containing chamber above said receptacle means for feeding the carbide to the water in the water receptacle, a gas discharge pipe leading out from above the water in the water receptacle, a hood over and extending below the top of the discharge pipe, a filler pipe rising from the water receptacle to a point above the level of the bottom of said hood, whereby the water in the water receptacle may be raised above the bottom of the hood to seal the discharge pipe when the carbide containing chamber is to be re-charged, and a draw off cock to reduce the water to normal level when the generator is in operation. 6th. An acetylene gas generator comprising a stand pipe constituting the water receptacle, a carbide containing chamber at the top of said stand pipe, a gasometer surrounding the stand pipe, the bottoms of the stand pipe and gasometer walls being flanged and secured to a common base by packing rings substantially in the manner shown, feed mechanism in the carbide chamber operated by the rise and fall of the gasometer bell and pipes connecting the stand pipe with the gasometer and the gasometer with the service main.

No. 68,864. Acetylene Gas Generator.

(Générateur à gaz acétylène.)



Albert Husson, Porrentruy, Berne, Switzerland, 29th September, 1900; 6 years. (Filed 5th February, 1900.)

Claim.—1st. In an acetylene gas generator, the combination of a vessel to contain the water and charging material, having a tapering or conical bottom and a domed or arched cover, with a tapering or conical charging hopper the delivery orifice of which is below the working level of the water in the said vessel, a casing surrounding the lower portion of the said hopper, inclined planes formed in one with or attached to the casing below the hopper, baffle plates attached to the casing below the said inclined planes and an inclined bottom to the said casing, all substantially as specified. 2nd. In an acetylene generator, having a tapering or conical bottom, the combination