

of a tapering or conical charging hopper having the delivery orifice thereof below the working level of the water in the generator, a casing wider at the bottom than at the top and provided with a sloping bottom surrounding and attached to the lower portion of the said hopper, inclined planes formed in one with or attached to the said casing, and baffle plates attached to the casing below the inclined planes, all substantially as and for the purposes specified. 3rd. In an acetylene 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 and inclined shoots formed in one with or attached to the casing, the said shoots being below the delivery orifice of the hopper and terminating in vertical mouths or mouths slightly inclined toward the said hopper, all substantially as set forth. 4th. In an acetylene generator, having a tapering or conical bottom, the combination of a tapering or conical charging hopper having the delivery orifice thereof below the working level of the water in the generator, a casing surrounding and attached to the lower portion of the said hopper and inclined shoots formed in one with or attached to the said casing to the mouths of the said shoots being vertical or slightly inclined towards the said hopper, all substantially as specified and for the purposes stated.