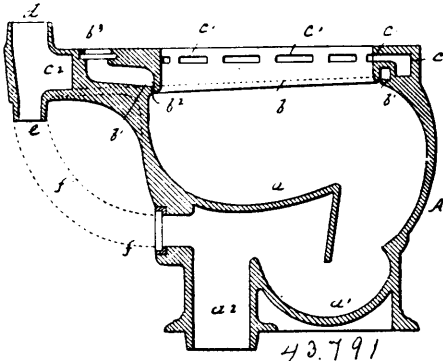


connected to the chamber of each section, and means for producing a vacuum therein when a plate is placed over the cells, together with means, as a plug or plugs, for closing the apertures of one or more of said cells, substantially as shown, and for the purpose set forth. 20th. The combination, with a glass polishing or grinding mechanism, of a table, a shaft having an air duct which communicates with air exhaust mechanism and with the table, whereby the plate or plates of glass are held on the table by a vacuum or atmospheric pressure, for the purpose set forth. 21st. The combination, with a glass polishing or grinding mechanism, of a hollow supporting table the upper plate or face of which is provided with a series of perforations or apertures, raised walls surrounding said perforations or apertures, forming with the glass independent vacuum chambers which communicate directly with the vacuum chamber of the supporting table and exhaust mechanism, and a water supply having branch pipes which communicate with channels surrounding each aperture or vacuum cell, substantially as set forth. 22nd. In a glass grinding or polishing machine, the combination of a hollow supporting table, a hollow standard connecting therewith by pipes, the lower end of said standard being enclosed by an air chamber, a pipe connecting said air chamber to an exhaust mechanism, and mechanism for connecting the hollow standard with driving mechanism, so that the table and standard can be rotated, substantially as shown, and for the purpose set forth. 23rd. In combination, with a revoluble grinding table upon which the glass plates to be ground are held by a vacuum or air exhaust, a motor for turning said table, an air exhaust mechanism connected to the table and an automatic brake and power supply mechanism adapted to be operated when the vacuum is destroyed in the table, so as to cause a stoppage of the motor and brake upon the driving shaft which revolves the table, substantially as shown. 24th. In combination, with a glass holding table having a series of apertures or vacuum cells in close proximity to each other, water channels surrounding each vacuum cell, and an absorptive packing-shaped to lie over the water channels, substantially as shown. 25th. In a glass grinding or polishing table, a plurality of bars or strips connected to each other to move in unison and means for elevating said bars or strips above the surface of the table upon which the glass rests, for the purpose set forth. 26th. In a glass holding table having spaces in its upper surface, bars or strips adapted to lie within said spaces and means for raising or lowering said bars, substantially as and for the purpose set forth. 27th. In combination, with a glass grinding or polishing table made up of a series of sections located adjacent to each other, so as to provide spaces between said sections, bars located within said spaces and connected to means for raising and lowering the same, the upper edges of said bars having a covering, substantially as shown, and for the purpose set forth.

No. 43,791. Water Closet. (Lutrine.)

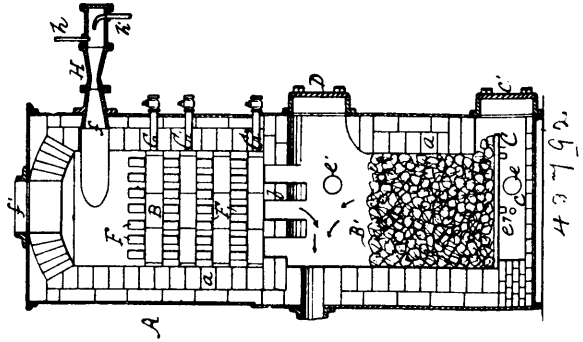


Arthur O'Brien, Helena, Montana, U.S.A., 1st August, 1893; 6 years.

Claim.—1st. In a water closet, the combination with a bowl, of a channel formed integrally therewith and communicating with the interior of the bowl through a series of slots, a passage forming a continuation of said channel and arranged in a line coincident therewith, a vent and an overflow forming a continuation of said passage, an overflow pipe connected with the overflow, a flushing rim below said channel, and a water supply therefor, the combination permitting a ventilation of the bowl and soil pipe and the carrying off of the overflow through the same channel. 2nd. In a water closet adapted for prisons or the like, the combination with a bowl, of a channel formed integrally therewith and communicating with the interior of the bowl through a series of slots, an opening leading from said channel and arranged in line coincident with the channel, a coupling adapted to be passed through a wall or other support and connected with said opening, openings in said coupling having connections with a vent pipe and an overflow pipe, a flushing rim and a water supply therefor, and an opening in the lower portion of the bowl for connection with the soil pipe, substantially as and for the purposes set forth.

No. 43,792. Process of Manufacturing Gas.

(Procédé de fabrication du gaz.)

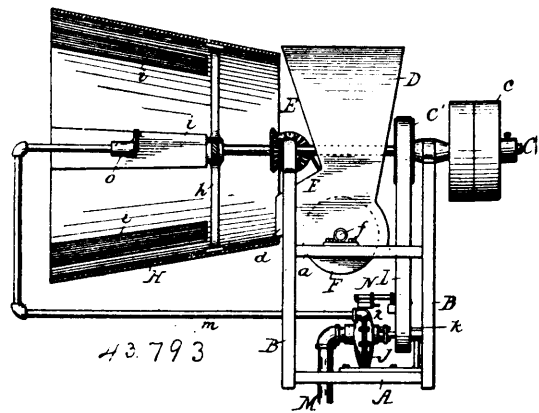


Charles Lincoln Fitch, Brooklyn, New York, U.S.A., 1st August, 1893; 6 years.

Claim.—The process of forming a fixed illuminating gas, consisting in heating a converting chamber by passing the products of combustion through it from a bed of incandescent fuel, introducing a fine spray of hydrocarbon and steam into and passing it through said converting chamber in a direction opposite to that in which the products of combustion pass through it thereby forming a fixed hydrocarbon gas, and simultaneously with the passage of the hydrocarbon spray through the converting chamber, passing steam through the bed of incandescent fuel employed in heating the converting chamber, thereby forming a water gas which mingles at the surface of the incandescent fuel with the hot hydrocarbon gas as it escapes from the converting chamber to form an illuminating gas without further fixing, substantially as set forth.

No. 43,793. Tobacco Flavouring Machine.

(Machine pour aromatiser le tabac.)



James Miles King, Danville, Virginia, U.S.A., 1st August, 1893; 6 years.

Claim.—1st. The combination, in a tobacco flavouring machine, of a rotary flaring drum, provided with driving mechanism, a feed hopper emptying into the smaller end of the drum, and a spraying device located within the drum, whereby the tobacco is sprayed and the leaves separated as they pass through the drum, substantially as set forth. 2nd. The combination, in a tobacco flavouring machine, of a horizontal shaft provided with a flaring drum, a feed hopper communicating with the smaller end of the drum, a spraying nozzle located within the drum, a pump having a pipe leading to the nozzle and driving mechanism, substantially as described, connected to the drum and pump shafts, whereby the pump is actuated in the manner and for the purpose set forth.

No. 43,794. Merchandise Exhibiting Rack.

(Appareil pour exhiber les marchandises.)

William High, Morrison, Illinois, U.S.A., 1st August, 1893; 6 years.

Claim.—1st. The combination of the standards A, bar E, arm C, transversely pivoted thereon and provided with openings I, rods D, adapted to be optionally attached to the rear ends of arms C, and the locking rod G, rigidly attached at its lower end to the base of the standards A, and adjustably attached at its upper end to said