to one side of said water passage, and provided with a passage forming a continuation of said water passage, and a valve for con-

Fig. 1.

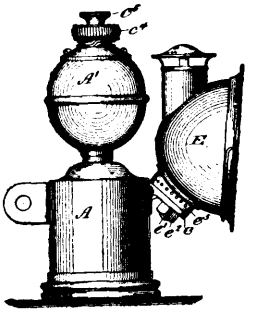
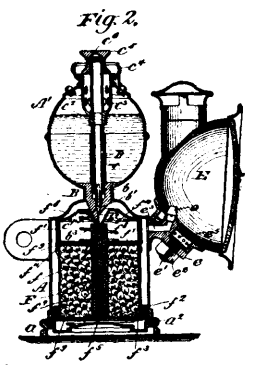


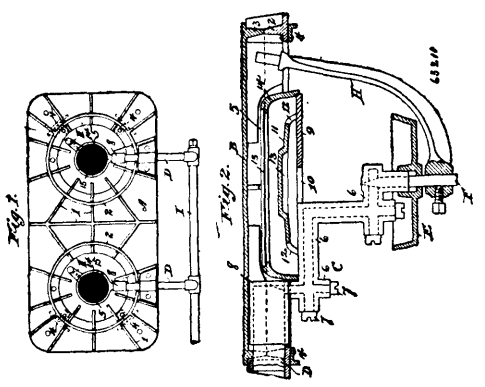
Fig. 2.



63210

trolling said water passage, substantially as described. 3rd. In a lamp, the combination of a casing for containing calcium carbide, a water reservoir surmounting the same, a closure interposed between them, and having a passage for water formed therein, a valve for controlling said passage, a perforated tube surrounding said valve and a filtering medium surrounding said tube, substantially as described. 4th. In a lamp, the combination of a casing for containing calcium carbide, a water reservoir surmounting the same, a closure interposed between them and having a passage for water formed therein, a valve for controlling said passage, a perforated tube enclosing said valve, a filtering medium surrounding said tube and a perforated funnel carried by said tube, substantially as described. 5th. In a lamp, the combination of a casing for containing carbide, a water reservoir surmounting the same, a valve seat having a water passage formed in and interposed between said casing and reservoir, a drip extension on said seat, a valve for closing said passage, and a filtering medium surrounding said valve, substantially as described. 6th. A container for carbide, comprising a body, a removable top and bottom for said body, a perforated tube carried by said bottom and extending within the body, and a disc within said body yieldingly supported from said top, substantially as described. 7th. A container for carbide, comprising a body, a removable top and bottom for said body, a perforated tube carried by said bottom and extending within the body, a disc within said body yieldingly supported from the top, and absorbent discs adapted to be located at the top and bottom of the carbide within the container, substantially as described. 8th. A container for carbide, comprising a body, a removable top and bottom for said body, a perforated tube carried by said bottom and extending within said body, and a funnel portion carried by said top that projects within said perforated tube, substantially as described. 9th. In a lamp, the combination of a casing for containing water and calcium carbide, a projection carried by said casing and having a gas passage passing through it which communicates at one end with the casing and carries a tip at its other end, and a reflector carried by said projection, substantially as described. 10th. In a lamp, the combination of a casing containing calcium carbide, a water reservoir surmounting the same, a closure interposed between the two and having a passage for water formed therein, a valve for controlling said passage, and a filter interposed between the water and said passage, substantially as described.

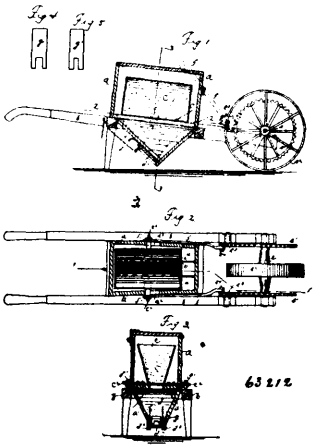
No. 63,211. Vapour Burner. (*Bruleur pour poêles.*)



George Marshall Verrall and David J. Johnston, both of Toronto, Ontario, Canada, assignees of Emory Israel Nichols, San Francisco, California, U.S.A., 20th January, 1899; 6 years. (Filed 20th January, 1899.)

Claim.—1st. A vapour burner attachment for stoves, consisting of a main plate formed with raised ribs on its upper surface, and one or more openings for burner nozzles, a main supply pipe, a branch pipe or pipes, a burner proper, comprising a burner cap having an apertures base plate, a top plate supported above the same and an outer cap with a wire gauze top portion, a valve, and a regulating lever adapted to be secured to the lower end of the valve stem and having its upper end extending up into the burner opening in the main plate, substantially as described. 2nd. In a vapour burner, a burner cap comprising a base plate having a central opening, a top plate having a raised central portion to form a mixing chamber and supported above the base plate at its margin, and an outer cap comprising an annular body supported on the margin of the base plate and a top portion of wire gauze or the like, substantially as described.

No. 63,212. Court Marker. (*Marquer pour jeux de paumes.*)

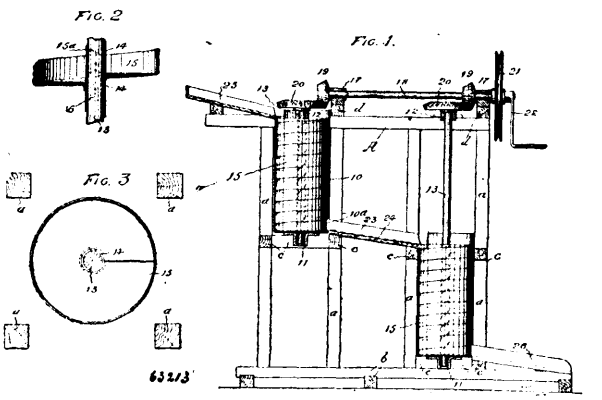


63212

Gerard G. Beekman, Hempstead, New York, U.S.A., 6th June 1899; 6 years. (Filed 17th October, 1898.)

Claim.—A suitable frame, provided with handles at one end, and supported at the other by a traction wheel, the traction wheel secured to the axle, journalled in the forward end of the frame, toothed wheels secured to the shaft upon which the traction wheel is secured, and the pinions mounted upon short shafts upon opposite sides of the frame and gearing with the toothed wheels, combined with the connecting rods which extend through slots in the sides of the inclosing casing, the casing placed upon the top of the frame and inclosing the sieve, a reciprocating sieve, operated by the connecting rods, and provided with pins to which the rear ends of the rods are fastened, and which pins project through slots in the lower edge of the inclosing frame, a discharge hopper, placed below the sieve, a gate for closing the opening in the bottom of the hopper, and a series of interchangeable slides having slot of different widths, and adapted to be received within the pocket of the hopper, substantially as specified.

No. 63,213. Amalgamator. (*Amalgamateur.*)



63213

Charles Garrett Garrison, James Alexander Fitzsimmons and William Shrubsole Copland, all of Vancouver, British Columbia, Canada, 6th June, 1899; 6 years. (Filed 1st February, 1899.)

Claim.—1st. In an amalgamator having a vertical chamber 10 mounted in a suitable frame and a shaft arranged to turn in such chamber, a spirally arranged amalgamating chute secured to the