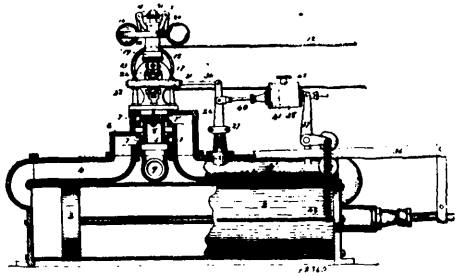
clamp-jaw and jaw-operating lever, of a fulcrum-post for the lever, and a bifurcated attaching-shank integral with the post and including the handle, with one or more spurs on the shank embedded in the handle, substantially as described. 2nd. A fulcrum-support for mops, comprising in an integral malleable casting a fulcrum-post and a bifurcated attaching-shank provided with inwardly projecting spurs, substantially as described.

No. 48,360. Speed Regulator. (*Régulateur de vitesse*)

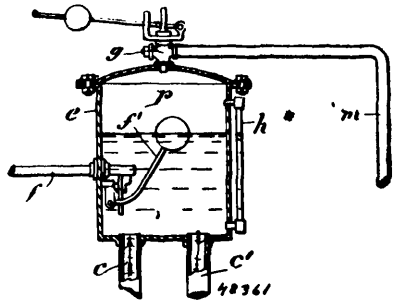


The Lombard Water Wheel Governor Company, assignee of Nathaniel Lombard, both of Boston, Massachusetts, U.S.A., 7th March, 1895; 6 years.

Claim.—1st. The combination, with a centrifugal regulator, a fluid filled cylinder, and a piston therein which controls a main valve for some prime motor, of a regulator valve adapted to control the travel of the piston, mechanism operated by movement of the piston to close the valve and means to counteract the functions of the balls in the act of resuming their normal position to prevent the valve being operated, substantially as specified. 2nd. The combination, with a centrifugal regulator, a main valve, a fluid filled cylinder, and a piston operating the said valve, of a regulator valve for the piston, and mechanism interconnecting said regulator valve and piston and adapted to neutralize at certain times the functions of the regulator weights to move said valve, substantially as and for the purposes explained. 3rd. In combination, with a centrifugal regulator, a fluid filled cylinder, and a piston therefor, a secondary valve to control circulation in said cylinder, and a rocking post operated by the piston to regulate the movements of the valve, substantially as set forth. 4th. A centrifugal regulator, a fluid filled cylinder, its piston, and a valve operated by the regulator, combined with a rocking post, mechanism from the post to the valve, as likewise means to actuate the post by travel of the piston, substantially as stated. 5th. In speed regulators having centrifugal weights, a liquid tight cylinder, a piston therein, a valve to regulate travel of the piston, combined with mechanism operated by the regulator to shift the valve in right line movement without rotation, as likewise means by which to unite the piston with the valve and impart rotation and slide said valve endwise, substantially as specified. 6th. In combination with a centrifugal speed regulator, a fluid filled cylinder, its piston, and a valve to control circulation, of a valve rod united with said regulator for right line sliding travel, a rocking post, a rack and pinion to rotate at times said valve rod to slide the valve, and mechanism to interconnect the post with the piston, substantially as set forth. 7th. In regulators, a rotary sleeve, centrifugal weights thereupon, a flanged tube reciprocated by said weights, combined with a valve, a valve rod longitudinally of the flanged tube, connections between the valve rod and tube to permit independent rotation of the rod, means for producing rotation of said rod, and a piston controlled within a cylinder by the movements of the valve, substantially as described. 8th. In combination with a cylinder, its piston, a valve to control the travel of said piston, a rocking post, and mechanism to operate the valve upon tilting of the post, a bar affixed to the piston, a lever to tilt the post, and brake mechanism to regulate the return of the post to a normal, substantially as specified. 9th. The combination with a fluid filled cylinder, a piston, its piston rod, an actuating bar, and a bell lever operated by the bar, of a rocking post adapted to stand upright, a regulator valve operated thereby, means to incline the post from the vertical, and brake mechanism to regulate the return of the post to an upright position, as stated. 10th. The combination with a fluid filled cylinder, its piston, a brake cylinder, and a regulator valve adapted to slide endwise upon movement of the piston, of a tilting post, a rack and pinion united with said post to rotate the regulator valve, and a bell lever likewise connected with said post and actuated by the travel of the piston, substantially as explained. 11th. In regulators, a cylinder, its piston, a regulator valve, and a reciprocating rod attached to said valve, combined with a fixed standard, a tilting post adapted to stand upright thereupon, a bell lever, and a bar affixed to the piston rod for actuating the said lever, a piston equipped rod 41 pivotally secured to the post, a brake cylinder secured to the bell lever, and means to regulate the travel of the brake piston by which to control the return of the post to a normal, substantially for the purposes specified.

No. 48,361. Hot Water Heating System.

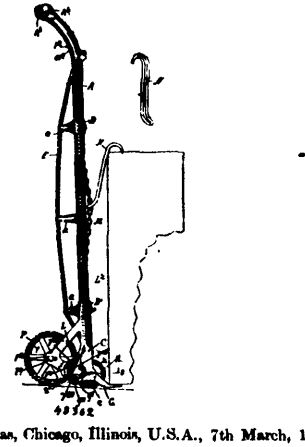
(*Système de chauffage à l'eau chaude.*)



Hermenegilde Roy and Zenon St. Aubin, both of Montreal, Quebec, 7th March, 1895; 6 years.

Claim.—1st. In a hot water heating system, a pressure chamber located in the distributing circuit thereof, for the purpose set forth. 2nd. In a hot water heating system, a suitably controlled air pressure chamber located in the distributing circuit thereof, for the purpose set forth. 3rd. In a hot water heating system, a pressure chamber or expansion tank, located in the distributing circuit of the system, through which the water passes, an air space being provided therein to contain air under pressure above the water level, and an automatic safety valve, for governing the air pressure, for the purpose set forth. 4th. In a hot water heating system having a heater and distributing circuit, a pressure chamber or expansion tank located between the upper end of the header from the heater, and the continuation of the distributing circuit, an automatically controlled feed water inlet to said tank, an air space in same adapted to contain air under pressure above the water level, and an automatic safety valve for governing the air pressure, for the purpose set forth. 5th. In a hot water heating system, the combination of a heater, a distributing header *c*, leading therefrom, a pressure chamber or expansion tank *e*, adapted to contain a body of air under pressure and into which such header delivers, a valve controlled feed water inlet to said tank, and an automatic safety valve for governing the air pressure therein, a continuation of the distributing circuit, as pipes c^1, c^2, leading from such pressure chamber to the radiators, suitable returns from the latter to the heater, and a valve controlled overflow communicating with the outlet passage of the safety valve and with the distributing circuit, for the purpose set forth.

No. 48,362. Hand Truck. (*Camion à bras.*)



Henry Orris Thomas, Chicago, Illinois, U.S.A., 7th March, 1895; 6 years.

Claim.—1st. In a truck, in combination with the principal frame and the main supporting wheels journalled therein, a supplemental