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NOTICE.

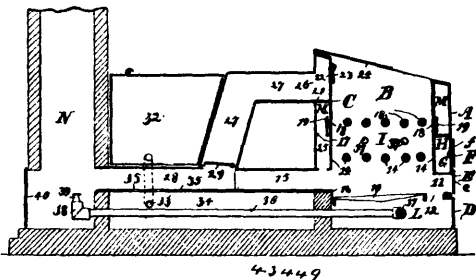
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INVENTIONS PATENTED.

NOTE.—Patents are granted for 18 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 43,449. Garbage Cremating Furnace.

(Fournaise à crémation pour tripailles.)

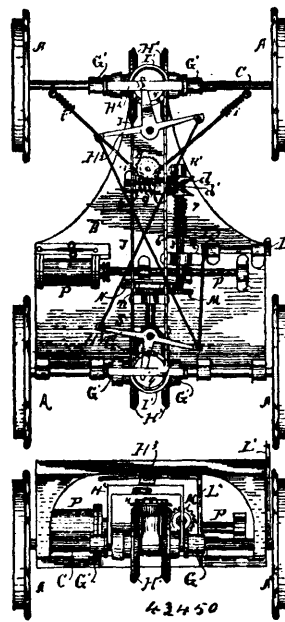


Jean Francois Chazotte, Gustave Des Trois Maisons and Antoine Roy, all of Montreal, Quebec, Canada, 3rd July, 1893; 6 years.

Claim.—1st. A garbage cremating furnace, consisting of a furnace having a series of ash doors and fire doors, a combustion chamber in said furnace open or partially closed at the top, an air chamber formed around the lower portion of the said combustion chamber, apertures communicating with the said air chamber, apertures in the furnace wall communicating with the said chamber, and means for closing the said apertures, a flue running around the upper part of the said combustion chamber, apertures and means for closing the same, communicating with the said flue, the said flue being connected directly with the main flue, an auxiliary flue adapted to be closed or opened by means of a damper, also connected with the main flue, a grate at the bottom of the said combustion chamber, a main flue or flues leading from or a short distance above said grate, horizontally to the chimney, a closed vessel placed on the said main flue, an evaporating chamber under the said flue, and communicating therewith, tubes leading from the said closed vessel to the said evaporating chamber, steam pipes passing through the combustion chamber and through the evaporating chamber, and discharging into the chimney, substantially as set forth. 2nd. In a garbage cremating furnace, the combination with the main flue leading from the combustion chamber to the chimney of the closed vessel 32, the tubes 33 connecting the said closed vessel with the chamber 34, the chamber 34 formed under the said main flue, and apertures 35 connecting the said chamber 34 with the said main flue, substantially as set forth. 3rd. In a garbage cremating device, the combination with the combustion chamber of the doors E, having apertures e, the air chamber H, means for regulating the supply of air to the said air chamber,

the flue M, passing around the said combustion chamber, the slanting wall 21, apertures 18 and 22 communicating with the said flue M, means for closing the said apertures, flues 25 connecting the flue M, with the flue 15, and flue 27, and damper 29, substantially as set forth. 4th. In a garbage cremating furnace, the combination with the combustion chamber I, the evaporating chamber M, and chimney N, of the steam pipe 37, and branches 38, passing through the said combustion chamber and evaporating chamber, the said branches being provided with nozzle 39, terminating in the base of the said chimney N, substantially as set forth.

No. 43,450. Vehicle. (Voiture.)



Homer L. Boyle, Grand Rapids, Michigan, U.S.A., 3rd July, 1893; 6 years.

Claim.—1st. In a car or vehicle, a bed plate attached by bearings to the rear axle, and pivotally attached to the front axle, and a fixed gear wheel on the rear axle, in combination with a shaft provided at one end with a gear wheel adjustably connected by a spline and groove, a connecting rod and lever for manipulating the same to operate the gear wheel on the rear axle, a double friction gear and sleeve longitudinally adjustable thereon by spline and groove connection, a shaft and gear for operating said double friction gear, and propelling power, substantially as shown and described. 2nd. The combination with a car or vehicle, of a motive power, a shaft connected therewith, and provided with a longitudinally adjustable double friction gear having a sleeve and springs, a rod and lever connected with said sleeve, a shaft carrying at one end a friction gear to engage with said double friction gear, and at the other end a bevel gear to mesh with a corresponding gear on the cross shaft 8, said cross shaft being provided with a screw thread, a sector attached to