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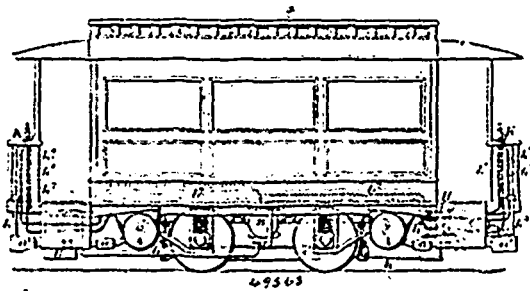
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INVENTIONS PATENTED.

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. 49,568. Gas Motor. (Moteur à gaz.)

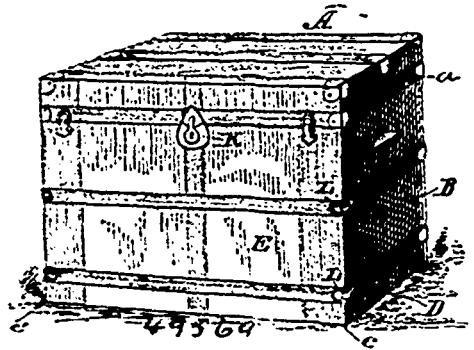


Henry Percy Holt, No. 22 Chancery Lane, London, England, 1st August, 1895; 6 years.

Claim.—1st. A horizontal gas motor engine fixed at one side of the lower part of the car and working a vertical crank shaft carrying a horizontal fly wheel under the car. 2nd. A primary countershaft driven by bevel gearing from the fly wheel shaft and having loose on it a pair of toothed wheels of different diameters provided with clutches by which either wheel can be engaged with the countershaft. 3rd. A pair of secondary countershafts each carrying a pair of toothed wheels gearing with those on the primary countershaft and carrying also sprocket-wheels which are connected by chains to sprocket wheels on the axles of the car, or connected to the axles by equivalent gear. 4th. A pair of clutches on the primary countershaft, each consisting of friction plates which are pressed together by inflation of a coil of flexible pipe or its equivalent with gas under pressure. 5th. A brake cylinder having its piston subjected to the pressure of compressed gas on the movement of a valve for the purpose of putting on the brakes. 6th. A set of reservoirs containing compressed gas communicating through suitable reducing valves with the clutch coils, and the brake cylinder and from an expansible part of the latter with the engine cylinder. 7th. For

working the exhaust valve and the gas supply valves, also the ignition apparatus, a compound cam on the valve countershaft driven by stops arranged to suit the revolution of the shaft in either direction. 8th. The apparatus for lubricating the engine cylinder wherein an oil valve is partially opened by the reduction of pressure due to suction of the gas charge operating on a piston of its equivalent to which the oil valve is connected. 9th. The arrangement on a platform at each end of the car of a lever for moving the valve of the brake cylinder, and of a valve communicating by supply and discharge pipes with the flexible pipe coils with the two clutches. 10th. The method described of reversing the engine by stopping the gas supply and so reducing the speed to a certain point, the giving supply of combustible charge and igniting the charge before the crank attains its back centre, thus propelling it in the reverse direction.

No. 49,569. Trunk. (Coffre.)



Florence Irene Leonard, Arlington, Georgia, U.S.A., 1st August, 1895; 6 years.

Claim.—The trunk herein described consisting of the fixed back, bottom and ends, the series of drawers sliding in and out above the bottom and extending from end to end of the trunk and cross plate or partition extended between the ends of the trunk above the lower series of drawers, the hat box fixed on said partition at one end, thereof and extended upward to the top line of the trunk ends, said hat box being closed at front and provided with a hinged lid, the box-like fixed tray extended between the upper edge of the inner side of the hat box and the opposite end of the trunk and fixed rigidly to both such parts and to the back of the trunk forming with the hat box at all times a box-like brace for the upper part of the trunk, the hinged lid for the fixed tray, the short drawer sliding in the space below such fixed tray and above the cross partition the hinged front and the top, all substantially as and for the purpose set forth.

No. 49,570. Manufacture of Seamless Woollen Boots. (Fabrication de chaussure de laine sans couture)

Edward Ross, Elmira, Ontario, Canada, 1st August, 1895; 6 years.

Claim.—A seamless woollen boot comprising a felt foot portion