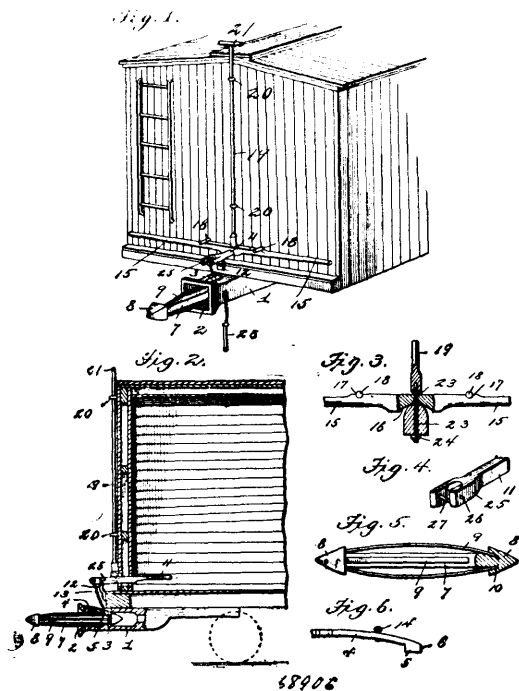


No. 68,906. Car Coupler. (Attelage de chars.)

John F. Buckholts, Lois, Georgia, U.S.A., 4th October, 1900; 6 years. (Filed 10th September, 1900.)

Claim.—1st. In a car coupler, in combination, a draw-head, a link engaging device carried thereby, a rock lever extending longitudinally above the draw-head, an operating lever extending across the end of the car, two fulcrums therefor located at points equidistant from the rock lever, and an operating rod extending from the top of the car downward to the operating lever, the operating lever being cut away to form a seat for the rock lever, and the operating rod, operating lever and rock lever being coupled together, substantially as described. 2nd. In a car coupler, an arrow-headed link, and centring springs extending longitudinally from head to head thereof, and having both ends slidably fitted to the heads of the link, substantially as described. 3rd. In a car coupler, an arrow-headed link having the heads thereof mortised, in combination with centring springs extending longitudinally of the link and slidably fitted in the mortises in the heads thereof, substantially as described.

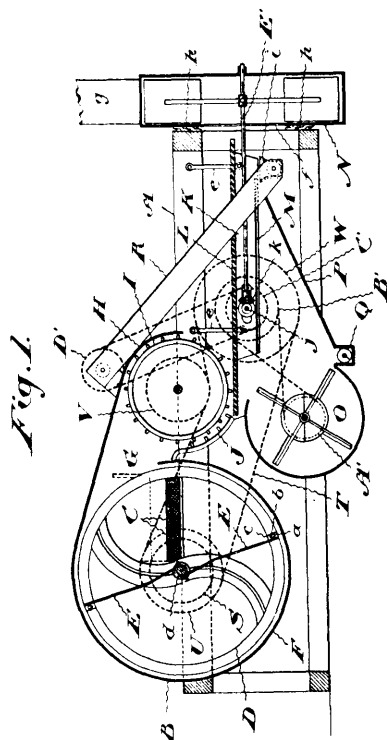
No. 68,907. Straw Cutter and Thresher.

(Coupe-paille et moulin à battre.)

John Absalom McLeish, West Williams, Middlesex, Ontario, Canada, 4th October, 1900; 6 years. (Filed 13th September, 1900.)

Claim.—1st. In a machine of the class described, the combination of a straw cutter, a thresher provided with a cylinder and concave, and a pneumatic discharge apparatus adapted to receive the straw from the cutter and discharge it between the said cylinder and concave, substantially as and for the purpose specified. 2nd. In a machine of the class described, the combination of a straw cutter, a thresher provided with a cylinder and concave, a pneumatic discharge apparatus adapted to receive the straw from the cutter and discharge it between the said cylinder and concave, and a pneumatic discharge apparatus adapted to receive cut straw from the thresher and discharge it out side of the machine, substantially as and for the purpose specified. 3rd. In a machine of the class described, the combination of a feed cutter provided with a knife wheel, a thresher provided with a cylinder and concave, fan blades connected to the said knife wheel, a fan casing surrounding the knife wheel, a casing or hood over the said cylinder and concave, and an enclosed passageway between the two casings for the cut straw, substantially as and for the purpose specified. 4th. In a machine of the class described, the combination of a feed cutter provided with a knife wheel, a thresher provided with a cylinder and concave and chaff deck, fan blades connected to said knife wheel, a fan casing surrounding the knife wheel, a casing or hood over the said cylinder and concave, an enclosed passageway between the two casings for the cut straw, and a pneumatic discharge fan having a central hole in the side of its casing and so located as to receive through the said hole the cut straw or chaff from the end of the chaff deck, substantially as and for the purpose specified. 5th. In a machine of the class described, the combination of a thresher

provided with a straw deck, and a pneumatic discharge fan having a central hole in the side of the casing, and so located as to receive



through the said hole the cut straw or chaff from the end of the straw deck, substantially as and for the purpose specified. 6th. In a machine of the class described, the combination of a thresher with a straw deck, and a pneumatic discharge fan having a central hole in the side of its casing and so located as to receive through the said hole the cut straw or chaff from the end of the straw deck, and means for swinging the said discharge fan about its axis, substantially as and for the purpose specified. 7th. In a machine of the class described, the combination of an axle and a knife wheel having one or more pins extending horizontally from its rim and provided with suitable heads in combination with fan blades, a block secured to each fan blade and provided with a hole shaped to admit the passage of the pin head through the block in one position only, and means for detachably securing the inner ends of the fan blades to the axle, substantially as and for the purpose specified.

No. 68,908. Furnace for Burning Refuse.

(Fournaise pour tripailles.)

J. F. Lester, Atlanta, and L. A. Dean, Rome, both in Georgia, U.S.A., 4th October, 1900; 6 years. (Filed 12th September, 1900.)

Claim.—1st. A refuse burner comprising a preliminary combustion chamber having a supply opening in its top, through which the material is deposited, a furnace communicating with said chamber and having its roof forming a floor in the latter and a wall at the rear of said chamber provided with a series of restricted outlets on different levels. 2nd. A refuse burner comprising a preliminary combustion chamber having a supply opening in its top through which the material is deposited, a furnace communicating with said chamber, the roof of the furnace forming the floor in the chamber and provided with an opening for the passage of the refuse into the furnace and for the outlet of the products of combustion, and a wall at the rear of the preliminary combustion chamber provided with a series of restricted outlets on different levels. 3rd. A refuse burner comprising a combustion chamber in which the material is to be deposited, and a series of furnaces below said chamber having arched roofs forming the floor of the combustion chamber, each of said arched roofs having perforations therein which open into the combustion chamber. 4th. A refuse burner comprising a preliminary combustion chamber in which the material is to be deposited, and a series of furnaces below said chamber having arched roofs forming the floor of the preliminary combustion chamber, each of said arched roofs having an opening therein for passage of the refuse into its respective furnace. 5th. A refuse burner comprising a preliminary combustion chamber in which the material is to be deposited, and a series of furnaces below said chamber having arched roofs forming the floor of the latter, such of said arched roofs having perforations therein opening into the combustion chamber and also