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INVENTIONS PATENTED.

NOTE.—Patents are granted for 15 years. The term of years for which the fee has been paid, is given after the date of the patent.

No. 35,908. Device for Conveying Coal, etc.

(*Transport à charbon.*)

Léandre Boudreau, Manchester, New Hampshire, U.S.A., 2nd February, 1891; 5 years.

Claim.—1st. In an elevated carrier, the combination, with a rail or track having periodically arranged projecting portions or shoes, of a yoke or hanger having a wheel resting on said rail or track, a frame secured to the lower end of said yoke or hanger, the bucket secured in said frame and provided with a hinged bottom, the upwardly projecting arms r, s, secured to said bottom and engaging a movable portion of said frame, and the bent or angular arm c^1, designed to engage said shoe and to operate said movable portion of the frame, substantially as set forth. 2nd. In an elevated carrier, the combination, with the rail or track having periodically arranged projecting portions or shoes, of a yoke or hanger having a wheel resting on said rail or track, a frame secured to the lower end of said yoke or hanger, the bucket secured in said frame and provided with a hinged bottom, the upwardly projecting arms r, s, secured to said bottom, the movable bar t, of said frame, the lever w, connected to said bar, the bent or angular arm c^1, and the block m^1 secured thereto and bearing on one end of said lever, substantially as set forth. 3rd. In an elevated carrier, the combination, with a rail or track having periodically arranged plates u^2, provided with hooked ends of a yoke or hanger moving on said rail or track, a frame secured to the lower end thereof, a bucket secured in said frame, having a hook or detent s^1, and a spring-pressed bolt p^1, adapted to be engaged at its lower end by said hook or detent, substantially as set forth. 4th. In an elevated carrier, the combination, with a rail or track having periodically arranged plates u^2, provided with hooked ends, of a yoke or hanger moving on said rail or track, a frame secured to the lower end thereof, a bucket secured in said frame, having a pivoted bottom, a hook or detent secured to said bottom, and a spring-pressed bolt p^1, having a lower hooked end engaged by said hook or detent, substantially as set forth. 5th. In an elevated carrier, the combination, with a rail or track having periodically arranged shoes e^1, and plates u^2 provided with hooked ends, of a yoke or hanger moving on said rail or track, a frame secured to the lower end thereof, a bucket secured in said frame, a hook or detent s^1, a spring-pressed bolt p^1, engaged by said hook or detent and the bent or angular arm c^1, which upon contact with shoe e^1, will liberate said spring-pressed bolt and permit the same to fly in the path of said hooked end of plate u^2, substantially as set forth. 6th. In an elevated carrier, the combination, with a bucket and the yoke or frame therefor having stops i^2, of the movable frame f, provided with upper rails having divergent ends and stops i^1, the ropes connected to said frame, and the parallel guide-rods, substantially as set forth. 7th. In an elevated carrier, the combination, with a rail or track, of a movable frame mounted thereon and having a wheel g, a shoe i^2, above said wheel, the arm or bar to which said shoe is connected, and the governor secured to said arm or bar, substantially as set forth. 8th. In an elevated carrier, the combination, with a rail or track, of a movable frame, a yoke or hanger b, a wheel g, having its shaft mounted in said yoke or hanger and provided with a bevel gear wheel e^2, a governor having its shaft provided with a bevel pinion d^2, engaging said former pinion, an arm or bar connected at one end to said governor and bearing at its other end in a slot of said yoke or hanger, and a shoe connected thereto and designed to engage said wheel, substantially as set forth. 9th. In an elevated carrier, the combination, with a rail or track, of a movable frame, the yoke or hanger having a wheel g, the arm d^2, secured at one end to said yoke or frame, the wheel d^3, carried by said arm, and the arm d^4, bearing on said former arm, substantially as set forth.

No. 35,909. Cutter-guard Finger for Raising Lodged Grain. (*Appareil aux souches de lames pour relever le grain couché.*)

Peter Gerard Dunton, Toronto, Ontario, 2nd February, 1891; 5 years.

Claim.—1st. A curved finger fixed to and extending in front of the cutter-guard, the said finger being bent backwardly and upwardly from its front end, substantially as and for the purpose specified. 2nd. A curved finger D, formed on the end of the plate B, and having a recess made at its base to fit onto the cutter-guard finger A, substantially as and for the purpose specified.

No. 35,910. Sifter. (*Tamis.*)

Burton Henry Cook, Brooklyn, New York, U. S. A., 2nd February, 1891; 5 years.

Claim.—1st. In an ash-sifter, a casing and a rotary open-ended sifting drum, the shaft of which is journaled in the end walls of said casing, in combination with a fixed partition at the inlet end of said drum, said partition having an inlet-passage therethrough wholly above the drum-shaft, and a movable sliding partition closing the delivery end of the drum, said fixed and sliding partitions being in close proximity to the respective open ends of the drum when the sifter is in operation, so that no space is left for the passage of cinders between the ends of said drum and said partitions, substantially as set forth. 2nd. In an ash-sifter which is adapted to be used when placed upon an ash-barrel, a casing, and a rotary open-ended sifting-drum, the shaft of which is journaled in the end walls of the casing, in combination, with a movable sliding partition closing the delivery end of the drum, and forming a discharge-chamber between the delivery end of the drum and the end walls of the casing, the walls of said casing being extended downwardly below the drum, thus forming a continuation or pocket to said discharging chamber, whereby said chamber constitutes a chute for the discharge of the cinders and said movable sliding partition being in close proximity to the delivery end of said drum, so that no passage is left for cinders between them, substantially as set forth. 3rd. In an ash-sifter which is adapted to be used when placed upon an ash-barrel, a casing, and a rotary open-ended sifting-drum the shaft of which is journaled in the end walls of the casing, in combination with a discharging-chamber between the delivery end of the drum and the rear end wall of the casing, said chamber being extended downwardly to form a depending pocket or discharge-chute for the cinders from said drum, a slide closing the lower end of said pocket or chute, and a removable sliding partition covering the delivery end of the drum and separating it from said discharging-chamber, said sliding partition being in close proximity to the delivery end of said drum, so that no cinders can pass between them, substantially as set forth. 4th. In an ash-sifter adapted to be used when placed upon an ash-barrel, a casing, an open-ended sifting-drum, the shaft of which is journaled in the end walls of the casing, a discharging chamber between the delivery end of the drum and the rear end wall of the casing, said chamber being extended downwardly below the drum to form a depending pocket or discharge-chute for the cinders from said drum, and a slide closing the lower end of said pocket or chute, in combination with a fixed partition closing the inlet end of the drum, said fixed partition having an inlet-opening wholly above the drum-shaft, and a movable sliding partition closing the entire delivery end of said drum and separating it from said discharging-chamber, said sliding partition having a slot straddling the drum-shaft, and both said fixed and sliding partitions being located in close proximity to the respective ends of the drum so that no space for the passage of cinders is left between the drum and either of said partitions when the sifter is in operation, substantially as set forth. 5th. In an ash-sifter, a casing, and a rotary sifting-drum, said sifting-drum comprising a shaft journaled in the end walls of said casing, two end hoops or rings, a wire-cloth supported on said hoops or rings, and spokes connecting each of said hoops or rings with said shaft, said spokes being bent inwardly, in combination with fixed partitions closing the inlet end of the drum and hav-