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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. 26,344. Shaft Support for Poles of Vehicles. (*Chambrière pour Timons de Voitures.*)

George F. Statter, Sioux, Iowa, U.S., 1st April, 1887; 5 years.

Claim.—A support for the shafts, tongues, or poles of vehicles, consisting of a bar of suitable material rigid throughout its length, said bar bent inwardly at its ends, the lower end from its bent portion having a straight extremity, and the upper extremity having a hook thereon, substantially as and for the the purpose specified.

No. 26,345. Composition of Matter for Cleaning Wall Paper. (*Composition de Matières pour Nettoyer le Papier de Tenture.*)

William J. Dane and Charles F. Beck, Detroit, Mich., U.S., 1st April 1887; 5 years.

Claim.—A composition of matter herein described for the purpose of cleaning wall paper, composed of granulated corn meal, common flour, sulphuric acid, alum and water, in the proportions specified.

No. 26,346. Thrashing Machine. (*Machine à Battre.*)

The Speight Manufacturing Company, (assignee of Nathaniel Burkholder,) Markham, Ont., 1st April, 1887; 5 years.

Claim.—1st. The decks A and B, having their outer ends supported by swinging links and G, in combination with the crank-shaft C, provided with cranks a and b to support the inner ends of the decks, A, B, substantially as and for the purpose specified. 2nd. The decks A and B having their outer ends supported by swinging links D and G, a shoe F and return board J connected to the lower deck B, in combination with the crank shaft C, provided with cranks a and b supporting the inner ends of the decks A B, substantially as and for the purpose specified. 3rd. The decks A, B, suitably supported and caused to swing in opposite directions to each other, in combination with the swinging shoe F, connected to the deck B by the pivoted lever H and rod T, substantially as and for the purpose specified.

No. 26,347. Harrow. (*Herse.*)

Jane Hedley, Calgary, N. W. T., assignee of William J. Fetherston, Ottawa Ont., assignee of William W. Owens, Peterborough, Ont., 1st April, 1887; 5 years.

Claim.—1st. The combination, with the bulls D, F and bull E, of the blocks G, having intersecting perforations G₁, G₂, G₃, G₄, and harrow teeth H, as set forth. 2nd. The combination, with the bulls E having notch E₁ and bull D, of the blocks J having intersecting perforations G₁, G₂, G₄ and harrow teeth H, as set forth. 3rd. The combination, with the bulls E, F, of the blocks K having intersecting perforations K₁, K₂, G₄, and teeth H, as set forth.

No. 26,348. Horse Shoe. (*Fer à Cheval.*)

Thomas Penhorwood, Millwood, Ohio, U.S., 1st April, 1887; 5 years.

Claim.—1st. The combination, with a horseshoe, of double-pointed

reversible calks and suitable fastening-bolts, substantially as shown. 2nd. A reversible double pointed calk for horseshoes, consisting of a perforated body, and the two points which extend at right angles to the body, and in opposite directions from each other, substantially as set forth.

No. 26,349. Railway Rail Chair. (*Coussinet de Rail de Chemin de fer.*)

William Goldie, West Bay, Mich., U.S., 1st April, 1887; 5 years.

Claim.—1st. A binder for railway spikes consisting of a metal plate placed between the rail and tie, and having its ends extending on each side of the rail, and provided with holes for the rail spikes, the said plate being of thin and narrow dimensions, whereby it is forced into the tie by the passing train, substantially as and for the purpose set forth. 2nd. A binder for railway spikes placed between the rail and tie, and consisting of a thin and narrow plate of metal having its ends extending beyond the rail, and provided with spike holes, and having the side edges of the extended portion turned upward and forming guide stops as b, as herein described and for the purpose set forth.

No. 26,350. Circulating Sectional Hot Water Boiler. (*Calorifère à eau.*)

William Johnstone, Ottawa, Ont., 1st April, 1887; 5 years.

Claim.—1st. A circulating boiler consisting of laterally connected vertical headers B, each having a horizontal partition D, inlet and outlet connections E, F and A, group of circulating furnace tubes G, concentrically arranged baffling plates H, and fire box I below the furnace tubes, as set forth. 2nd. The combination of the vertical headers B, each having an independent group of circulating tubes G vertically arranged, and inlet and outlet E, F to connect with the house system of pipes for heating hot water, as set forth. 3rd. The fire box I, having tubes on three sides, connecting with two headers B on opposite sides of the door way, and a series of vertical headers B laterally connected, each having circulating furnace tubes G vertically arranged and provided with inlet and outlet connections E, F, as set forth.

No. 26,351. Car-Coupling. (*Attelage de Chars.*)

Charles R. Tunks, Adrian, and Thomas H. Simpson, Detroit, Mich., U.S., 1st April, 1887; 5 years.

Claim.—1st. The draw-head having a partially-open bottom A, weighted coupling-bar working therein as described, and provided with a notch or recess in its rear end, in combination with the uncoupling-shaft, provided with a lifting-lever adapted to engage with the notch in the rear end of the coupling-bar as the uncoupling shaft is turned, all arranged and operating substantially as shown and described. 2nd. A draw-head provided with slots in its opposite sides, a coupling-bar substantially as described having side pins engaging with the slots in the draw-head, and provided with a notch or recess in its rear end, in combination with an uncoupling-shaft provided with a lifting-lever adapted to engage with the notch in the rear end of the coupling-bar as the uncoupling-shaft is turned, all arranged and operating substantially as shown and described. 3rd. The draw head A having a partially-open bottom A, weighted coupling-bars B working therein as described, and provided with a notch or recess d in its rear end, in combination with the uncoupling shaft D having the lifting-lever E, all arranged and operating substantially as shown and described.

No. 26,352. Rotary Engine for Steam Water or other Motive Power. (*Machine Rotative pour Moteur à Vapeur, à eau ou autre.*)

Robert H. Isbell and Walter S. Logan, New York, N.Y., U.S., 1st April, 1887; 5 years.

Claim.—1st. A rotary engine or motor consisting of a series (two or more) of jointed arms within a closed cylinder or chamber pivoted together at one end at a point within the cylinder, and eccentrically as to the centre of the engine shaft and at the other end pivoted at