

### No. 36,782. Hand Power Beater for Carpets. (*Machine à battre les tapis.*)

John Clark, Pontiac, Michigan, U. S. A., 10th June, 1891; 5 years.

*Claim.*—In a hand power carpet beater, the combination of the handle A, slotted to receive the pulley G, and bifurcated to hold the wheels C, C, and the shaft B, the pulley G, the wheels C, C, revolving on their axles, independent of the shaft B, the shaft B, carrying the flexible beaters and revolving on its axle, the flexible beaters D, D, on the shaft B, the pulley E, in the center of the shaft B, and integral with it, the endless belt F, running over the pulleys G, and E, and the crank I, driving the pulley G, all substantially as described.

### No. 36,783. Stone or Log Boat.

(*Bateau pour billots ou pierre.*)

Warren Kimble and Nathaniel Schmid, both of Manchester, Michigan, U. S. A., 10th June, 1891; 5 years.

*Claim.*—A stone or log boat, consisting of a board bottom A, and side piece B, dressed off to an incline at their forward end, and the metal plate F, extending across the dressed end, in combination with the auxiliary cross-piece E, and the metallic straps G, bolted down through the cross pieces and the parts A, and B, substantially as described.

### No. 36,784. Indicator for Electric Bells.

(*Indicateur pour timbres électriques.*)

Katharine S. Benner, (assignee of George Francis Ransom), both of Minneapolis, Minnesota, U. S. A., 10th June, 1891; 5 years.

*Claim.*—1st. The combination, in a guest-call, of a clock, a revoluble dial arranged upon the hour-arbor of the clock, and provided with a series of movable pins and each adapted to close a circuit through an electric bell at any hour desired, substantially as described. 2nd. The combination, in an electric guest-call, with a call bell, of the revoluble dial 13, contact pins 17, mounted on said dial, an elastic band surrounding said pins, and the spring 33, with which said pins are adapted to make contact, substantially as described. 3rd. The combination, with the frame 2, having the spaces 9, of an electric bell, a clock, a revoluble dial arranged upon the hour-arbor of said clock and pins arranged upon said dial, adapted to close the electric circuit of said bell at any hour desired, substantially as described. 4th. The combination, in a guest-call, of a board 2, having arranged upon it the books 5, having cheeks representing the numbers of each room, the books 7, representing the hour-calls, a clock 3, dial 13, pins 17, electric call-bell 21, and springs 31, and 33, constructed and operated, substantially as described, for the purposes specified.

### No. 36,785. Valve for Air Brakes.

(*Souape de frein automatique.*)

The New York Air Brake Co., New York City, (assignees of Albert Parsons Massey, Watertown), New York, U. S. A., 10th June, 1891; 5 years.

*Claim.*—In a triple valve, the main valve piston having one side open, the pressure from the auxiliary reservoir and the other side open to train pipe pressure, combined with a valve controlling a direct passage from the train pipe to the brake cylinder, a piston actuating said valve, a passage leading from the train pipe to said piston, and a valve controlling said passage and subject on one side to auxiliary reservoir pressure and on the other to train pipe pressure.

### No. 36,786. Machine for Making Felted and Napped Fabrics. (*Machine pour faire les étoffes feutrées et à poil ras.*)

Elizabeth Kyle Broadhead, (assignee of Joseph Broadhead), both of Cornwall, New York, U. S. A., 10th June, 1891; 5 years.

*Claim.*—1st. The combination, in a machine for making felted and napped fabrics, of two sets of frames M, M', needles N, N', and the mechanism for reciprocating the respective frames in unison, and the mechanism for supplying the bat and woven foundation and drawing the same through the machine during the felting operation, substantially as set forth. 2nd. The combination, in a machine for making felted and napped fabrics, of two shafts P, P', sprocket wheels and chains for connecting the same, and driving them in unison, two frames M, M', and their respective needles N, N', and the mechanism for connecting the frames with the respective driving shafts for reciprocating such frames in unison, and felting the fabric as it is supplied and fed along progressively by mechanism, substantially as set forth. 3rd. The combination, in a machine for making felted fabric, of means for supplying the bat and the woven foundation, one set of needles for felting the bat to the foundation, and another set of needles for finishing the surface of the fabric, and mechanism for reciprocating the respective sets of needles in unison and for drawing along the fabric as it is felted, substantially as set forth.

### No. 36,787. Buckle. (*Boucle.*)

David Bell, Rockton, (assignee of John Francis Ballard, Hamilton), both in Ontario, Canada, 10th June, 1891; 5 years.

*Claim.*—1st. The fastener B, with the slots b', b'', for pivoting the buckle frame A, and the tongue C, respectively and eccentrically, substantially as and for the purpose hereinbefore set forth. 2nd. The combination, of the buckle tongue C, with the fastener B, whereby it is adapted to be pivoted eccentrically in reference to the pivoting of the buckle frame A, substantially as shown and for the purpose hereinbefore set forth.

### No. 36,788. Starter for Vehicles.

(*Appareil de mise en marche des voitures.*)

Samuel Leendert Huizer, the Hague, Holland, 12th June 1891; 5 years.

*Claim.*—1st. In a starting apparatus for vehicles, the combination of a drum affixed to the axle, a ring working on same, a shoe pivoted to the ring to act on said drum, an unequal armed lever connected to the ring and adapted to operate the shoe, a draw bar connected to the other arm of the lever and means for retracting and for securing the draw bar, substantially as described. 2nd. In a starting apparatus the combination, of a drum affixed to the axle, a ring working on same, a lug carrying a shoe pivoted to the ring, a bell cranked lever F, having an arm L, adapted to operate the lug, links connecting the lever F, and the ring, a draw bar connected to the lever F, a spring for retracting said draw bar, and a latch pin operated by the driver for releasing and securing the draw bar, substantially as described.

### No. 36,789. Waggon. (*Wagon.*)

Thomas Isaac Nowry, Sparta, Ontario, Canada, 12th June, 1891; 5 years.

*Claim.*—1st. The combination, in a waggon bottom, of dumping doors having self closing springs with automatic catches or locks, substantially as and for the purpose hereinbefore set forth. 2nd. The combination, in a waggon bottom, of any number of hinged doors made to open downwards for the purpose of unloading any part of the load, substantially as described and for the purpose hereinbefore set forth. 3rd. The combination, in a waggon bottom or box, of any number of partitions and self locking dumping doors for unloading any or all the compartments, substantially as and for the purpose hereinbefore set forth. 4th. The combination, of self closing doors and automatic catches or locks for securely retaining the doors in place, substantially as and for the purpose hereinbefore set forth.

### No. 36,790. Steam Air Pump.

(*Pompe pneumatique à vapeur.*)

The New York Air Brake Company, New York, (assignees of Albert Parsons Massey, Watertown), both in New York State, U. S. A., 12th June, 1891; 5 years.

*Claim.*—In a duplex steam air pump, the cylinders 1, and 2, and pistons 22, and 21, each connected to a piston in an air cylinder, in combination with valve stems 7, and 8, tappets 20, and valves 5, and 6, with ports communicating with each end of the opposite cylinder, substantially as set forth.

### No. 36,791. Spring for Vehicles.

(*Ressort de voiture.*)

William Atkinson and Richard John Rolden, both of Granby, Quebec, Canada, 12th June, 1891; 5 years.

*Claim.*—1st. In a vehicle spring, the knuckle pieces D, rigidly secured to the slide plates of the spring and having the lugs E, the bolt G, passing through said lugs and pivoting them to the blocks F, the guiding pins H, on said blocks, and the clips K, binder L, and nuts M, substantially as herein shown and described. 2nd. In a carriage spring, the top tension plate O, secured to the spring plates A, by the central bolt P, and clips R, and having its end portions set up from the spring plates so as to produce a spring tension and connected by shackles with the inner ends of the slide plates B, substantially as herein shown and described. 3rd. In a carriage spring, the rub plate Q, secured centrally by the bolt P, to the under side of the spring projecting from it on its outer side, and having its end portions which engage with the clips R, and cross bars S, set down from the spring plates so as to hold said clips down upon the spring plates A, substantially as herein shown and described.

### No. 36,792. Machine for Washing Dishes.

(*Machine à laver la vaisselle.*)

Elijah Smith and Herbert G. Rolfe, both of Ottawa, Ontario, Canada, 12th June, 1891; 5 years.

*Claim.*—1st. A machine for washing dishes, consisting of a tank for holding the water, a rotary brush, and an apron for carrying the dishes up out of the water and from under the brush, the apron bearing cleats surmounted by brushes to help out the washing and to cleanse the machine when necessary, and an operating mechanism all combined, substantially as set forth. 2nd. In a machine for washing dishes, the combination, with the rotary brush B, having the adjusting screw L, the pulley F, and the belt I, of the apron D, having the cleats N, the rollers E, and E', and the crank J, substantially as set forth. 3rd. In a machine for washing dishes, the combination, with the tank A, whose bottom is formed of convergent planes, of the cleat N, the apron D, the brush B, the cover C, and the outlet H, substantially as set forth. 4th. The use in a machine for washing dishes, of brushes made of fibre instead of hair or bristles, substantially as set forth.

### No. 36,793. Storage Receptacle for Cars.

(*Réceptacle d'emmagasinage pour chars.*)

George W. Turner, South Omaha, Nebraska, U. S. A., 12th June, 1891; 5 years.

*Claim.*—1st. As an improved article of manufacture, a car register consisting of a cylindrical shell provided with an opening and a cover therefor, and a drum held to revolve within the shell and provided with peripheral under-cut ribs forming surface compartments,