

No. 11,862. Improvements on Waggon Racks.*(Perfectionnements aux râteliers des wagons.)*

Jacob Katz, Wilmot, Ont., 9th October, 1880; for 5 years.

Claim.—A waggon hay rack having a bed frame composed of the said rails A contracted together at the one end, and rail D bent around such end to form a lateral extension corresponding to the distance apart of the other ends of the side rails A, the rails stayed apart by intervening braces F and bolts G, said bed frame supporting a fixed superstructure of suitable character on which to load hay, &c.

No. 11,863. Improvements on Car Platforms.*(Perfectionnements aux chars plateformes.)*

Rensselaer A. Cowell, Cleveland, Ohio, U. S., 9th October, 1880; for 5 years.

Claim.—1st. In combination with a supplemental or yielding platform C and adjusting bar F, any suitable cam device whereby, through said bar F, the spring resistance of said platform C may be adjusted. 2nd. The combination, with the supplemental or yielding platform C, of one or more springs D, bar E, cam bar F and cam G or its equivalent, whereby through the movement of said cam the yielding or supplemental platform C may be adjusted. 3rd. The combination, with the yielding platform C adjusting bar F and cam G, of the lever H provided with an arm or short lever H.

No. 11,864. Fire and Water-Proof Paint.*(Peinture réfractaire et imperméable.)*

Harvey Hall, London, Thp., 9th October, 1880; for 5 years.

Claim.—Coal tar, ground slate, rock salt, powdered alum, powdered copers and asbestos.

No. 11,865. Improvements on Elastic Hubs.*(Perfectionnements aux moyeux élastiques.)*

The Rubber Cushioned Axle Company, (Assignee of John B. Sammis,) New York, U. S., 13th October, 1880; (Extension of Patent No. 7,619.)

No. 11,866. Improvements on Ventilating Apparatus. *(Perfectionnements aux appareils de ventilation.)*

David Groesbeck, New York, U. S., 13th October 1880; for 5 years.

Claim.—1st. The combination, with an inducing air current passage, and an air chamber having an opening into said passage and communicating by flues or passages with an inclosed space or apartment to be ventilated, of an adjustable deflector placed in said passage in relation with said opening and means for adjusting the same within said apartment, whereby the quantity of air drawn through said opening may be regulated. 2nd. The combination, with a railway car, of an inducing air current passage placed on the top of the car, a chamber having an opening into said passage and communicating with the interior of the car through flues or passages, and an adjustable deflector placed in relation with said opening, for drawing air from the interior of said car in regulated quantities and discharging it through said opening. 3rd. The combination, with a railway car, of an inducing air current passage A, chamber C having the opening O and de-

flector B, all placed at the top of the car, and a flue or flues or passages leading therefrom down to and communicating with the middle of the bottom of the car, whereby the mass of air in the car is caused to flow from the ends of the car toward the middle thereof, and the velocity of its flow is reduced. 4th. The combination, with an inclosed apartment, of an inducing air current passage A, chamber C having an opening O into said passage and communicating through a flue passage or opening with the interior of said apartment, a reversible and adjustable deflector B placed in relation with the opening O in said passage A, and means whereby the adjustment and reversal of said deflector may be made by a person in said apartment. 5th. In combination with apparatus for drawing air from the middle part of the bottom of a railway car, air diffusers and filters placed at or near the ends and at or near the top of the car, whereby the flow of the mass of air in the car is directed from the ends toward the middle of the car for more uniform distribution of heat, and reduction of the velocity of the moving mass of air therein. 6th. In an air diffuser for ventilation, the air chamber D and removable slide S, fitted to slide in said chamber and composed of a frame, perforated or reticulated diaphragms attached to opposite sides of said frame, and sponge packed between said diaphragms, whereby the air is both diffused and filtered in its passage into an apartment and whereby the said slide may be readily removed for cleaning and replaced after cleaning. 7th. The combination, with an air chamber C communicating by flues or passages with an inclosed apartment to be ventilated and having an opening O formed therein, of an inducing air current passage A, having the adjustable reversible deflector B arranged in relation with the opening O and lateral openings L arranged midwise in said passage and below said deflector.

No. 11,867. Improvements in Spring Bed Bottoms. *(Perfectionnements aux sommiers élastiques des lits.)*

La Fayette Wildermuth, New Lexington, Ohio, U. S., 13th October, 1880 for 5 years.

Claim.—1st. The spring connection for spiral springs consisting of wire bent outwardly into two semi-circles b and sharp return curves b^r joined by a central straight section b^c, the curved and straight sections lying in one plane. 2nd. The double spring C having its integral connecting portion on the same plane with the tops of the springs bent outward into semi-circles, and by sharp return curves b^r forming a straight central section b^c connecting said semi-circles, whereby a yielding spring connection is made. 3rd. The combination of the double springs C and armed springs D with their spring connections arranged diagonally with the springs B B^r, wire spring connections E and links a.

No. 11,868. Combined Truck and Bag Holder.*(Cumion accroche-sac.)*

Benjamin Will, Petersburg, Pa., U. S., 13th October, 1880; for 5 years.

Claim.—1st. The combination of a truck and a pivoted bag holder placed thereon. 2nd. The combination of the two uprights or standards, a suitable support and a bag holder pivoted at or near its centre upon the supports, so that it can be turned about one half around, and provided with means for holding the mouth of the bag open, whereby after the bag has been filled, a man can tilt it upon his shoulder. 3rd. The combination of a truck provided with standards, with a pivoted bag-holder, the holder being provided with adjustable supporting arms.

List of Patents issued up to 27th November, 1880, but not yet Officially published in the Patent Office Record.

No. 11,936. Ole Oleson Storle, Milwaukee, Wis., U.S.A., "Knot Tying Machine," Nov. 7th, 1880.

No. 11,937. Alexander Ephraim Brown, Cleveland, Ohio, U.S.A., "Hoisting and Conveying Machine," Nov. 7th, 1880.

No. 11,938. Richard Troy, Oshawa, Ont., "Window Blind Hinges," Nov. 7th, 1880.

No. 11,939. Edward Stillman May, Detroit, Mich., U.S.A., "Cigar and Cigarette Holder," Nov. 7th, 1880.

No. 11,940. Albert Marion Guyton, Orbisonia, Penn., U.S.A., "Dry Goods Measures," Nov. 7th, 1880.

No. 11,941. Francois Xavier Blais, St. Remi, Que., "Milk Cooler," Nov. 7th, 1880.

No. 11,942. John Franklyn Tyrrell, New York, N.Y., U.S.A., "Compound for Soups," Nov. 7th, 1880.

No. 11,943. Henry Rammel Alves Boys, Barrie, Ont., "Oil Cups," Nov. 7th, 1880.

No. 11,944. Eugene L. Titch, Breda, Iowa, U. S. A., "Thread Case," Nov. 7th, 1880.

No. 11,945. William Manuel Wilcox, Port Perry, Ont., (Assignee of John Stephen Manuel Wilcox,) Whitby, Ont., "Pumps," Nov. 7th, 1880.

No. 11,946. George White, Greenville, Penn., U. S. A., "Spring Vehicle," Nov. 7th, 1880.

No. 11,947. James Argall, Mineral Point, Wis., U.S.A., "Feed Water Heaters," Nov. 8th, 1880.

No. 11,948. Electus Backus Ward, Detroit, Mich., U. S. A., "Sewer Trap," Nov. 8th, 1880.

No. 11,949. James Stoneman and William Alexander Lloyd, both of Eldred, Penn., U.S.A., "Gas Manufacture," Nov. 8th, 1880.

No. 11,950. Ole Oleson Storle, Milwaukee, Wis., U.S.A., "Cord Holder and Cutter for Grain Binder," Nov. 8th, 1880.

No. 11,951. Horatio Gale, Albion, Mich., U.S.A., "Spring Tooth Harrow," Nov. 8th, 1880.

No. 11,952. Charles Edward Anderson, London, East, Ont., "Sulky Hay Rake," Nov. 8th, 1880.

No. 11,953. William McClary, London, Ont., "Bridges," Nov. 8th, 1880.

No. 11,954. William Young and Andrew Young, both of Almonte, Ont., "Pitman Connection," Nov. 8th, 1880.

No. 11,955. Neil Smith, Lucknow, Ont., "Grain Separators," Nov. 8th, 1880.

No. 11,956. James Rodger McCall and Henry Ernest Duncan, both of Schoolcraft, Mich., U.S.A., Nov. 8th, 1880.

No. 11,957. Richard Frederick Carter, Clifton, Ont., and Charles Edwin Lacey, Drummondville, Ont., and George Hiram Kindall, Montreal, Que., (Assignees of Abram Quakinbush Allis and Hugh McConnell,) both of Cleveland, Ohio, U.S.A., (Extension of Patent No. 5,528,) "Oil Stove," Nov. 8th, 1880.

No. 11,958. Charles Lister Kellogg, Gasport, N. Y., U. S. A., "Plaiter and Ruffler," Nov. 8th, 1880.