Claim.—In a waggon brake, the combination of a bent lever A A, plate B, notohed are B1 having the braces b1, b1, pawl C having extensions II, i; link E, lever D. spring e, rod F, plate L and pivot bolts and nuts a, G, b, b11 and d, adapted to enter holes b, d and G, all constructed and connected substantially as herein set forth.

No. 22,081. Waterproof Covering for Roofs. (Composition Imperméable pour les Toitures, etc.)

Alfred Ford and Jacob A. Archer, London, Eng., 14th July 1885; 5

Claim.—The manufacture of an improved material, applicable as a waterproof covering for roofs and other like purposes, by coating wire gauze, substantially in the manner and for the purposes, hereinbefore described.

No. 22,082. Telephone. (Téléphone.)

James H. Rogers, New York, N.Y., U.S., 15th July, 1885; 5 years.

James H. Rogers, New York, N.Y., U.S., 15th July, 1835; 5 years.

Claim.—1st. In combination with the horizontal diaphragm of the telephone transmitter, connected to a battery and forming one pole of an electric circuit, as described, the flattened plate or button lying loosely and simply by its own weight upon the diaphragm, and connected to a line wire and forming the opposite pole of said circuit, as set forth. 2nd. In a telephone transmitter, the combination of a horizontal diaphragm, forming one pole of an electric circuit, with a flattened plate or button, forming the opposite pole, and resting on the diaphragm adapted to receive sound vibrations therefrom, as described, the said plate having a quantity of mercury in its upper part, and a connection with a line wire consisting of a dipping needle, substantially as set forth. 3rd. In a telephone transmitter, the combination of a horizontal diaphragm, the enclosing case, trumpet mouth-piece, the flattened contact plate or button resting on the sensitive diaphragm, as described, the said plate or button being provided with a cavity in its top adapted to receive mercury, and the superimposed dome provided with a dipping needle and a regulating screw all substantially as and for the purposes set forth. 4th. In combination with the horizontal diaphragm, forming one pole of an electric circuit, and the contact plate or button provided with mercury in its upper portion, as described, the superimposed dome F, having a sorew S, connected to a line wire, and having a needle N, as and for the purposes set forth.

No. 22,083. Pump Valve. (Soupape de Pompe.)

William L. McKenzie and Thomas Kelly, Petrolia, Ont., 15th July. 1885; 5 years.

Claim.—The vulcanised rubber a, metal cylinder pistons B, B, in combination with the hollow spindles A, A, substantially as and for the purposes hereinbefore set forth.

No. 22,084. Screw. (Vis.)

Mary A. Ihrig, Springfield, Ohio, U.S., 15th July, 1885; 5 years.

Claim.—st. As a new article of manufacture, a screw, the head of which is of greater diameter than the screw threaded shank and has a series of upwardly projecting barbs or points, substantially as described. 2nd. As a new article of manufacture, a screw the head of which is square, and has two or more V-shaped grooves formed in the face thereof, to thereby form pyramidal points, substantially as described. 3rd. A screw the head of which is square and has two transverse V-shaped grooves cut in the face thereof, the length and greatest breadth of the grooves being equal, or nearly so, to the width of the screw head, to thereby form four pyramidal points one at each corner of the screw-head, substantially as and for the purpose described.

No. 22,085. Ladder Section, Step Ladder and Staging Combined. (Section d'Echelle, Echelle à Queue et Echaffaudage Combinés.)

Renben L. Hitchcock, Cornwall, Ont., 15th July, 1885; 5 years.

Reneen L. Hitogoock, Cornwall, Ont., 15th July, 1885i; 5 years.

Claim.—1st. As a new article of manufacture, a ladder section, constructed of two converging sides having slots C at the ends and connected by bars D, the bar at top having round ends Dr projecting from the sides, and provided with shoes B secured by bolts Bi to protect the ends of the section, as set forth for the purpose described. 2nd. The combination, with the ladder sections, of the metallic bails G having hooks H. I, whereby the sections are prevented from spreading at the foot, and one of the bails G adapted to hold a pail suspendedly, as set forth.

No. 22,086. Ferment. (Ferment.)

Mrritz Polumenthal, Gruman Near Berlin, Germany, 15th July 1885; 15 years.

Claim.—An extract from runnet, consisting of chymosin which is free from pepsin and soluble clear and free from slims, in combination with an indifferent and preserving substance, sait sugar or the like, in a dry or dissolved form.

No. 22,087. Paving Block or Brick.

(Bloc ou Brique de Pavé.)

Thomas A. Huguenin, Chanleston, S.C., U.S., 15th July, 1885; 5 years.

Claim.—1st. The herein described compound consisting of coal tar, bitumen, pine-gum and alum, combined in substantially the manner and proportions and for the purpose stated. 2nd. A brick or block cured by mimersion in a mixture of coal tar betumen pipegum and alum, substantially as described.

No. 22,088. Metal Picket and Fence.

(Pieu et Clôture Métalliques.)

Russel G. Olmsted, Hamilton, Ont., 15th July 1885; 5 years.

Claim.—1st. In a metal fence picket, the ornamental metal top B, constructed with the hole C, shoulder a and socket d, the metal bottom D, constructed with opening E shoulder b and socket c, in combination with the gas pipe A to which they are secured, substabilially as specified. 2nd. In a metal fence, the combination of the metal picket A B D, constructed substantially as shown and described, with the top and bottom gas-pipe rails F, G.

No. 22,089. Brush Making Machine.

(Machine à faire les Brosses.)

Edward L. Fenuty, Halifax, N.S., 15th July 1885; 5 years.

No. 22,089. Brush Making Machine.

(Machine & faire les Brosses.)

Edward L. Fenuty, Halifax, N.S., 15th July 1885; 5 years.

Claim.—lest. In a brush making machine, substantially as described, the combination of the following instrumentalities and operative mechanism therefor, to wit: a pattern device for deterermining the location of the tuft holes in the blank, a device for moving the blank device for boring the tuft holes, a feeding device for declingthe breatles hair or fibre to the tufting device, a tufting device of redening the breatles hair or fibre to the tufting device, a device for adjusting the black vertically in respect to the tufting device, a device for connecting the boring device and tufting device where the device in such a machine boring device and tufting device for automatically stopping the operations of the tufting and boring devices, substantially as set forth. 2nd. In a frush making machine, the combination, substantially as set forth, of the following instrumentalities, to wit: a pattern device for automatically stopping the operations of the tufting and boring device for substantially as set forth. 2nd. In a frush making the location of the tuft holes in the blank, a device for moving the location of the tuft holes, a feeding device for feeding the breattes hair or fibre to the tufting device, a tufting device for feeding the wire to the tufting device, a tufting device for feeding the wire to the tufting device, a tufting device for feeding the wire to the tufting device, a tufting device for feeding the wire to the tufting device, a cutting device and tufting device with the pattern device, and shipping device for automatically stopping the operation of the tufting and boring device hore said rolls means for operating substantially as set