

lum level, plumb or inclinometer, of the pendulum, the index hand with its pivot at right angles to the pendulum shaft, and geared thereto the elastic plates or springs for holding said pendulum at any desired point, and means for adjusting said plates, all substantially as described.

No. 19,037. Baling Press, (*Presse d'Emballage.*)

James McIver, Houston, Texas, U. S., 2nd April, 1884; 5 years.

Claim.—1st. The combination of the base, the press box, the frame at the front end of the base, the vertical shaft journaled in said frame, the horizontal wheel or disk having upwardly projecting pins or studs, the longitudinally reciprocating follower having a pivoted stem, and the lever pivoted to the front end of said stem and to the base of the machine, as set forth. 2nd. The combination of the base, the press box, the longitudinally reciprocating follower having a pivoted stem, the horizontal wheel having upwardly projecting arms or studs, a bracket projecting laterally from the base, a lever pivoted to said bracket by a vertical pin, and having its inner end pivoted to the follower stem, and a brace connecting the upper end of the pivoting pin with the base of the machine, as set forth.

No. 19,038. Window Bead Fasteners.

(*Mode d'ajustage des Baguettes de Fenêtres.*)

Horace F. Newmeyer, Macungie, Pa., U. S., 2nd April, 1884; 5 years.

Claim.—1st. A device for fastening window-beads, comprising a bolt provided at its inner end with two hook shanks, substantially as herein shown and described. 2nd. In a device for fastening window stop-heads, the bolt A, provided with a milled head and a head C, the latter having two hooks E, and the shoulders a, b, for the purposes set forth. 3rd. The combination, with a screw held in the end of an aperture in the sash frame, and provided with a cross-head, of a bolt passed through the head, which bolt is provided at its inner end with two hooks, for the purposes set forth. 4th. The combination, with a screw K, having a head L, and held in the end of an aperture in the window casing, of the bolt A provided with hooks E at its inner end, and with shoulders a, b, and the head or pin M passed through the head G, for the purpose set forth.

No. 19,039. Cheese Bandage and Box Combined. (*Bandage et Boîte à Fromage Combinés.*)

Francois W. Brenton, Foxboro, Ont., 2nd April, 1884; 5 years.

Claim.—1st. A cheese bandage and covering made of strong paper or straw board, and which serves both as a cheese bandage and a cheese packing box, substantially as herein described and for the purpose set forth. 2nd. A cheese covering or casing composed of the bandage A made of stiff paper or straw board, having the tongue a, slit b and notches c, and the face pieces B, substantially as shown and for the purpose set forth. 3rd. The strong stiff paper, a straw board A, surrounding a cheese and having its edges notched so that they may be turned over the face of the cheese, in order to protect its corners, and the face pieces B, applied so as to cover the flat faces of the cheese, all substantially as described and for the purpose set forth.

No. 19,040. Composition of Matter for making Soup. (*Composition de Matières pour faire de la Soupe.*)

Thomas Fuller, Colborne, Ont., 2nd April, 1884; 5 years.

Claim.—1st. The method of preparing the oyster by evaporation and grinding, substantially as set forth. 2nd. The composition used in making the crackers, namely, in using oyster's liquor in doughing up the flour in place of any other liquid, as set forth and described. 3rd. The combination of the ingredients, consisting of oyster powder and oyster cracker powder, substantially in the proportions and for the purpose set forth.

No. 19,041. Lubricator. (*Graisneur.*)

John E. Bell, Quebec, Que., 2nd April, 1884; 5 years.

Claim.—1st. The combination, in a lubricator, of a chamber connected with steam condenser and receiving the water from same, a water for controlling flow of same, and an oil-holder into which such water passes, displacing the oil or other lubricant which rises up as herein set forth, and for the purpose described. 2nd. The oil holder F, provided with recesses F¹, as and for the purpose described. 3rd. The combination, with the chamber C, of the oil holder held by ring H, carried by fork G, and screw K, regulating position of same.

No. 19,042. Slate Cleaner. (*Torchon d'Ardoise.*)

John Burling, Milburn, N. J., U. S., 3rd April, 1884; 5 years.

Claim.—As an improved article of manufacture, a slate-cleaner, consisting of a hollow, comparatively thin, and flat receptacle supporting a water exit, and covered with a suitable soft water absorbing material, all substantially as shown for the purposes described.

No. 19,043. Centre-Board for Vessels. (*Semelle de Dérive des Vaisseaux.*)

William O. Christensen, Marshfield, Oregon, U. S., 3rd April, 1884; 5 years.

Claim.—1st. The combination, with the well C, the keelson B and the keel A, of the tube a extending to the deck, the rods b, c connected above the keelson, by bars c, and at the bottom of the keel, and the rods d extending from the cross-bars c up through tube a, as set forth. 2nd. The board d having oblong holes and thereby being provided with

play on the lower bolts e, when either end is raised independently of the other, as set forth.

No. 19,044. Process and Apparatus for the Manufacture of Gas. (*Procédé et Appareil pour la Production du Gas.*)

James E. Leadley, Camden, N. J., U. S., 3rd April, 1884; 5 years.

Claim 1st. In combination with the generating furnace and the charging apparatus, the short cylinder M, having a stirring rod passing through its cover, and mounted upon a pivoted revolving plate with the coal cylinders, whereby it may be brought into position over the charging chute, so that the rod may be thrust into the coal for stirring and breaking it up, and then turned away from heated opening. 2nd. In combination with the generator, the commingling and vaporizing chamber having a central cylinder or retort open at top and provided with a distributor C, and the cellular commingling devices c¹, and the oil supply pipe, as and for the purpose described. 3rd. In combination with a generator and a commingling and vaporizing chamber, the fixing chamber connected to the vaporizer by a tube at bottom, and having a central cylinder open at the top, and provided with a spiral flange extending between it and the wall of the chamber, as and for the purpose described. 4th. The fixing chamber having an inlet flue at the bottom and a stack and tight fitting cap at the top, and having a central flue or cylinder open at the top, and having a discharge pipe passing through the outer wall of the chamber at the bottom, and provided with a spiral flange forming a spiral passage between the cylinder and the wall of the chamber, in combination with a generator. 5th. The combination of the generator, the commingling and vaporizing chamber having a central cylinder open at the top, the fixing chamber having a central flue and spiral flange, and a steam boiler having a central flue and the connecting pipes, as and for the purpose described. 6th. The combination of the generator and vaporizer with the oil supply tank, the air cylinder, the air pump, and connecting pipes, and the meter and valve in the oil supply pipe, as and for the purpose described.

No. 19,045. Running Gear for Carriages. (*Train de Voiture.*)

James Field, Ancaster, Ont., 3rd April, 1884; 5 years.

Claim.—1st. In combination with the running gear of buggies and carriages, the cross centre bar D, constructed as shown, and the springs made to cross said bar at their centre and attached thereto, and the front ends of the lower springs G, G' secured to the fifth wheel, substantially as and for the purpose specified. 2nd. The construction of the fifth-wheel in three parts j and m and u, the upper and lower portions J and u being stationary, and the centre one movable with the axle, substantially as and for the purpose specified. 3rd. The centre portion m of the fifth-wheel is constructed with a pivot pin n and made to enter an opening o in the top part j, and a pivot pin v on the axle made to enter a hole v in the lower portion u of the fifth-wheel, by which the centre one m is pivoted to upper and lower portions, also the holes b to allow the bolts q to pass through and allow it to move with the axle A, and the bevelled recess t, all arranged substantially as and for the purpose specified. 4th. The lugs y, v cast on the underside of the lower part u of the fifth-wheel, and attaching the front end of the lower spring G G' to the same, near the centre of the front axle, and crossing the side springs at the points a, a', in rear of the centre bar D, all arranged substantially as and for the purpose specified. 5th. The combination of the centre-bar D, constructed as shown, with the springs G secured to the fifth-wheel and crossing the side springs behind the centre-bar D, substantially as specified.

No. 19,046. Scale. (*Balance.*)

Alfred A. Houghton, Buffalo, N. Y., U. S., 3rd April, 1883; 5 years

Claim.—1st. A pivoted weight or latch, in combination with a scale beam for balancing the beam when the scoop is either on or off, as specified, or to act as a weight, as described. 2nd. The combination, with a scale-beam, of a pivoted weight or latch c³, provided with the words "Scoop on" and "Scoop off" for balancing the beam and indicating when the scoop is on or off, substantially as described. 3rd. A scale beam provided with a poise or weight capable of being moved in one direction, so as to balance the beam with the scoop on, and in the opposite direction, so as to balance the beam when the scoop is off, in combination with the words "Scoop on" and "Scoop off" or words to that effect, stamped or otherwise placed in such position as to indicate, in connection with the poise, whether the scoop is on or off.

No. 19,047. Running Gear for Vehicles. (*Train de Voiture.*)

Chauncey M. Murch, Cincinnati, Ohio, U. S., 3rd April, 1884; 5 years

Claim.—1st. In combination, with the spring A B attached to the axle H, and having its forward extension I elevated and coupled to the splinter bar K, the semi-elliptic spring L joined to said extension and a shackle C, and supporting a fifth-wheel frame, substantially as described. 2nd. In combination with the composite spring A B D E I, the semi-elliptic spring L coupled thereto, in the manner described, and supporting a fifth-wheel frame, as set forth. 3rd. The combination, in a running gear, of the X-shaped frame Z terminating with curved portions P, P¹ made of angle iron, said frame being pierced at its centre to receive the king-bolt O, and having the lower ring N of the fifth-wheel secured thereto, for the purpose described. 4th. The combination, in a running gear, of springs A, B, D, E, I, L, shackle C, frame Z P P¹, fifth-wheel N T and king-bolt O, for the purpose described. 5th. In combination with the lower spring A B, having its forward extension I elevated and connected to the splinter bar B, the upper spring L, whose front or longer portion is attached to said extension I, while its rear or shorter portion is loosely coupled by a shackle C to the upwardly-curved termination B of the aforesaid lower-spring A, as herein described.