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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. 34,191. Globe Valve. (*Soupape-sphérique*.)

James O. Tefft and Charles W. Carpenter, Olean, N. Y., U. S., 1st May, 1890; 5 years.

Claim.—A valve body, provided with a valve seat, a valve fitting therein, a plug screw into the branch upon the valve body, a threaded valve stem screwing into the lower end of the plug and reduced in size above the threaded portion, and extending upward through the plug and above it, and means for rotating the valve stem.

No. 34,192. Coffee Pot. (*Cafetière*.)

Munro Mattison, Busti, N. Y., U. S., 1st May, 1890; 5 years.

Claim.—The coffee pot, comprising the main pot, having a suitable distance below its upper edge, a circumscribing bearing or stop-head, the steaming-cup or chamber, having a circumscribing head or bearing resting upon the upper edge of said main pot, said steaming cup also having a bent steam pipe and a syphon pipe, the discharge end of said steam pipe, and the receiving end of said syphon pipe, reaching down within a short distance of the bottom of said cup, the drop cover having a deep flange, the lower edge of which rests upon the stop head or bearing of the main body, substantially as set forth.

No. 34,193. Flour Bin and Sifter. (*Farinière et sas*.)

Thomas F. Crary, Middleport, Ohio, U. S., 1st May, 1890; 5 years.

Claim.—1st. In a flour bin and sifter, an oscillating agitator, consisting of the curved laterally-spaced arms, having an eye or loop at one end, and a crank handle at the opposite end of the arms from said eye or loop, in combination with a shell or case through which the crank handle is passed to provide a support for one end of said agitator, and a short trunnion or stud fixed to said case and fitted in the eye or loop of said agitator to support the opposite end of the agitator, substantially as described. 2nd. In a flour bin and sifter, the combination, with a shell or case, a sieve, and an agitator having an extended crank handle, of a curved guard fixed in an inclined position exteriorly on the case, and having one end thereof inclined toward the shell as described, and a notch or recess contiguous to said inclined end, substantially as described.

No. 34,194. Combined See-Saw and Mail Cart for Children. (*Escarpolette voiture*.)

Nathan Whiteley, Golcar near Huddersfield, Eng., 1st May, 1890; 5 years.

Claim.—1st. In a mail cart or gig, the combination therewith, of a rocking or oscillating car operated by crank or other like motion, substantially as shown and described. 2nd. In a mail cart or gig, the combination therewith, of a rocking or oscillating car, the motion of which can be disconnected, and the car fixed, as described and shown herein. 3rd. In a mail cart or gig, having an oscillating or rocking car, the employment of lever arm, *u* for permitting the mechanism which imparts the rocking motion to be disconnected from the car, as described and shown.

No. 34,195. Surface Decoration. (*Ornementation des surfaces*.)

Alfred Cousen, Detroit, Mich., U. S., 1st May, 1890; 5 years.

Claim.—The herein described process of surface decoration, consisting in applying to the surface to be decorated, a layer of a plastic and sticky composition, substantially as described, and in producing therein the foliated decoration in the manner described.

No. 34,196. Spring Bed. (*Sommier élastique*.)

Charles E. Gilmore, Saint Stephen, N. B., 1st May, 1890; 5 years.

Claim.—The combination of the frame, slats, springs and mattress with the direct covering of the springs, and the direct attachment of the mattress, so as to form but one article, as and for the purpose hereinbefore set forth.

No. 34,197. Pipe, Gas Retort and Other Hollow Articles. (*Tuyau, cornue à gaz et autres objets creux*.)

John Illingworth, Batley, Eng., 1st May, 1890; 5 years.

Claim.—The manufacture of pipes, gas retorts, and other hollow articles, with an earthenware lining or shell, made in the manner, substantially as herein described and illustrated in the drawings.

No. 34,198. Machinery for Carbonizing and Drying Fabrics and Fibres. (*Machinerie pour carboniser et sécher les tissus et les fibres*.)

John Illingworth, Batley, Eng., 1st May, 1890; 5 years.

Claim.—1st. In combination, with the hopper *J*, the use and employment of a horizontal revolving cylinder placed at an angle, and perforated or otherwise, and provided with studs or spikes for carrying the fibre around for agitating, and carbonizing fabrics, and fibres substantially as described. 2nd. The employment of a revolving perforated cylinder, placed at an angle as described, in combination, with a hopper and feed rollers, for carbonizing fabrics and fibrous materials. 3rd. The use of a horizontal cylinder together with a hopper and feed rollers, surrounded with brickwork or otherwise enclosed, in combination, with a furnace *U*, and carbonizing gases, all substantially as described.

No. 34,199. Grain Scalper, Sheller and Peeling Machine. (*Machine à ébarbillonner, égrener et monder les grains*.)

Carl Franzel, Domstadt, Austria, 1st May, 1890; 5 years.

Claim.—1st. The stone cylinder *d*, having dovetailed projections, in combination with the clamping rings *e*, fitting with their dovetailed notches *e'* in the projections of the stone cylinder *d*, and the covering plate *e''* rigidly connected by bolts *e'''*, substantially as heretofore shown and described. 2nd. The drum *l* rotating in the journals *r* and *s*, lined with a perforated plate or wire gauze *3*, and enclosed in the stationary outer casing *11*, and which receives its rotary motion inverse to that of the stone cylinder *d*, likewise from the main shaft *e*, substantially as heretofore shown and described. 3rd. The stationary cover *z*, with the regulating sliding plate *y*, and the parabolic slot *z'* for increasing or diminishing the accumulation of the grain in the mill, as may be found necessary, substantially as heretofore shown and described.

No. 34,200. Galvanic Battery. (*Pile galvanique*.)

Eben D. Cross, Chicago, Ill., U. S., 1st May, 1890; 5 years.

Claim.—1st. A galvanic battery, having two cells containing suitable electrodes and excitants, and a third cell contains an excitant, and serving as a supply cell, substantially as set forth. 2nd. In a galvanic battery, a fume conducting passage arranged to conduct fumes from one cell and discharge the fumes into a cell containing a fluid capable of being charged with such fumes, and thereby converted into an excitant, substantially as set forth. 3rd. In a galvanic battery, the negative electrode separated into two parts which are respectively arranged in separate cells, and a tube or passage arranged to conduct fumes from one of such cells and discharge the same into the other cell, substantially as set forth. 4th. In a galvanic battery, the negative electrode separated into two parts, which are electrically connected together and respectively arranged in separate cells, whereof one contains an excitant, and a tube arranged