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INVENTIONS PATENTED.

No. 3558. ERASTUS H. MURRAY, St Paul, Min., U. S., 15th June, 1874, for 10 years: "Granulated Wheat. (Gruau de Blé.)"

Claim.—1st. Cracked wheat; possessing the uniform granular character as set forth. 2nd. The process of preparing the granulated wheat by first cracking and bolting, and then scouring and fanning the same, as described.

No. 3559. CHARLES C. BARNES, Sackville, N. B., 15th June 1874, for 5 years: "Rotary Pump." (Pompe Rotatoire.)

Claim.—The cylindrical casing A, having a segmental enlargement B, and inlet and outlet apertures, and the wheel D, having leaves G sliding diametrically by the axial rotation of the wheel with the casing as describe.

No. 3560. JOSEPH D. PATTON, Treverton, Pen., U. S., 15th June, 1874, for 5 years: "Apparatus for Manufacturing Gas." (Appareil de Fabrication de gaz.)

Claim.—1st. A retort or retorts for gas making purposes protected wholly or in part from the direct heat of the furnace, in combination, with one or more retorts wholly exposed to the heat, the said protected retorts being wholly or partly enclosed by the masonry, or partly by the same and partly by other retorts which are partly enclosed by the masonry, all as specified; 2nd. A retort or retorts so placed or arranged in the furnace that it may be wholly or partly imbedded in the fuel for receiving the direct heat of the same, and connected with other retort or retorts, placed above or otherwise, out of the fuel; 3rd. The retort B₂ having the rear end in combustion chamber or furnace A₃, with a second portion partly, and a third portion wholly imbedded in masonry, the oil being admitted at front as described, so that the oil will be gradually heated and finally evaporated before leaving the retort, in the manner set forth, 4th. The combination with tank F₂ of the condenser E₂ having a longitudinal partition and provided with a gas exit at the top and a liquid exit at the bottom as specified; 5th. A water heater G₂ and a gas burner J₂ in combination with the water tank of the condenser in the manner described to protect it from freezing, as specified; 6th. A cleaner for cleaning the retort when closed consisting of a rod having a disc or other suitable scraper attached and passing through a stuffing box at one end of the retort.

No. 3561. HARVEY L. LOWMAN, Birmingham, Ct., U. S., 15th June, 1874, for 15 years: "Manufacture of Scythes." (Fabrication des Fauux.)

Claim.—The blade A with the tang or tubular socket made complete from a single blank of sheet steel, as specified.

No. 3562. THOMAS STEERS, Jr., Ottawa, Ont., 15th June, 1874, for 5 years: "Curry Comb." (Une étrille.)

Claim.—The combination of the combs, A, having loops B passing through the back plate D, and receiving the prongs E in the manner set forth, for securing the combs A removably as described.

No. 3563. JOSEPH WOODHAMS, Dorr, Mich, U. S., (Assignee of C. B. Turner,) 15th June, 1874, for 15 years: "Steam Valve." (Soupape à vapeur.)

Claim.—The combination of the valve F, constructed as described, with the ports C, D, and exhaust E, as described.

No. 3564. RICHARD M. WANZER, Hamilton, Ont., (Assignee of J. F. Chamberlain,) 15th June, 1874, for 5 years: "Portable Furnace." (Fourneau portatif.)

Claim.—A portable furnace C, provided with a down draft flue I, arranged with a cylindrical fire-box D,—constructed so that the draft will enter the draft opening F and pass up through the grate bars and fire box D, and down the flue I, in combination with or without any open top cooking or heating stove.

No. 3565. THOMAS MILLER, New York, U. S., 15th June, 1874, for 5 years: "Oil Cabinet." (Buffet à huile.)

Claim.—1st. The improved oil cabinet made in two detachable parts A, B, as described, the base or part A being composed of metal and the part B of wood, having a metal sink D, a pump E, and waste receiving pipe F, the whole being combined and arranged as described; 2nd. An oil cabinet formed in two parts, as described, and provided with a sink D and tank A, and waste receiving pipe F, the vessel G, applied to the waste pipe, in the manner set forth.

No. 3566. WILLIAM J. CLOKEY, Belleville, Ont., 15th June, 1874, for 5 years: "Thrashing Machine Safety Gear." (Engrenage de sûreté de machine à battre.)

Claim.—The combination of the frame C, gear case H, and the arrangement of the bevel and internal gears G and G₁, as set forth.

No. 3567. DENNIS P. SHARP, Ithaca, N. Y., U. S., 15th June, 1874, for 5 years: "Horse Rake." (Râteau à cheval.)

Claim.—The flexible straps L, L, levers M M, bearings n, n, cords N N, and shaft P, with cranks u u and treadle K, for connecting the axle with the hubs of the wheels, as specified.

No. 3568. WILLIAM R. MACAULEY, Hamilton, Ont., 15th June, 1874, for 5 years: "Binding Painter's Brushes." (Liage des pinceaux.)

Claim.—A binder or belt to be fixed around the butt of the paint brush for the purpose of binding the hairs, and which belt or binder is held down in its place by means of attachments with the handle of the brush.

No. 3569. JOHN M. ALLEN, Marion, Mass., U. S., 15th June, 1874, for 5 years: "Process of making Paper." (Procédé de fabrication de papier.)

Claim.—The process of preparing pulp and paper, as described. 2nd The paper or pulp when the gallsotannic compounds are wholly or nearly removed, as described.

No. 3570. JAMES McNABB, Widder Station, Ont., 15th June 1874, for 5 years: "Automatic Car-Coupling." (Attelage automatique de wagons.)

Claim.—The combination of a draw-bar A, having a flaring buffer mouth, as described, and hooked coupler B, pivoted within its cavity or socket, and spring C, to give it a lateral movement, lever or wiper D, shaft E and arm c, all operating as set forth.