

"Process for Manufacturing Lubricating Oils" (Procédé de préparation des huiles à lubrifier.)

Claim—The process of decolorizing and refining petroleum by filtration through anhydrous pulverized clay or anhydrous pulverized clay and sand.

No. 5036. LUCIUS A. DODGE, Keeseville, N. Y., U. S., 30th July, 1875, for 5 years: "Feeding Device of Machines for Forging Nails and Spikes." (Appareil d'alimentation des machines à forger les clous.)

Claim—The combination with the reciprocating griper slide G, of the supporting pivots e, e', carried by swinging arms H, I, attached to rock shafts E, J, and constituting a free parallel motion for the support, guidance and operation of said slide, as specified.

No. 5037. AMANDA T. JONES, Clinton, Wis., U. S., (Assignee of LeRoy C. Cooley), 30th June, 1875, for 5 years: "Food Preserving Process." (Procédé de conservation des aliments.)

Claim—The process of exhausting the air from the pores or cells of the substances to be preserved and supplying the place of the air with a simple liquid as syrup or water, at a temperature lower than that at which the chemical change of cooking begins.

No. 5038. JAMES RIGBY, Montreal, Que., 31st July, 1875, for 5 years: "Apparatus for the Manufacture of Gas from Petroleum, &c." (Appareil de fabrication du gaz au pétrole, &c.)

Claim—1st. The furnace A, constructed in sections so as to be capable of indefinite enlargement. 2nd. The retort E, 3rd. In any apparatus for the manufacture of gas, the arrangement of the stand pipe H, connected by pipes H', with retorts E, 4th. In combination with any furnace for the manufacture of gas, the water backs B, with or without superheating coil N; 5th. The injector Q; 6th. In combination with the retort E, and pipe H, the pipe U; 7th. In any gas apparatus, the washer L, provided with mid feathers I; 8th. The scrubber H, arranged with diaphragm H', and syphons K; 9th. The injector Q, placed on the outlet pipe T; 10th. The arrangement in any gas generator of apparatus whereby carbon gas and hydrogen gas are generated in the same retort and pass through and are commingled in the same purifiers.

No. 5039. JOHN G. EBERHARD, Akron, Ohio, U. S., 7th August, 1875, for 5 years: "Improvements on Hames." (Perfectionnements aux attelles.)

Claim—A hollow cast metal hame for harness.

No. 5040. MORTIMER McCALL, and JOB KING, Buffalo, N. Y., U. S., 7th August, 1875, for 5 years: "Cutting Attachment to Lead Pencils." (Appareil à aiguiser les crayons de plombagine.)

Claim—1st. The tube A, having a socket or open end for the insertion of the lead-pencil C, and provided with the longitudinal slot B, stop G, off set I, and knife D, attached to the knob F, and retained in the case by the coil spring H; 2nd. The perforated bottom L.

No. 5041. ARA B. DRAKE, Painesville, Ohio, U. S., 7th August, 1875, for 5 years: "Fence Post Base." (Semelle de pieux de clôture.)

Claim—In combination with the post A, the rod iron base and brace consisting of the vertical section B, horizontal curve section C, brace of section D, and secured in the ground as shown or standing thereon for supporting a portable fence.

No. 5042. WILLIAM H. LOTZ, Chicago, Ill., U. S., 7th August, 1875, for 5 years: "Hot Air Furnace." (Calorifère.)

Claim—1st. The hollow bridge wall across the back part of the fire pot, and in combination therewith an air tube and register for delivering a thin stream of air in a heated state at the lower edge of said bridge wall, 2nd. A pendant bridge wall across the fire

pot, separating the combustion chamber from the entrance to the eduction flues; 3rd. The combination of the following elements to wit: a fire pot having an elevated combustion chamber closed at the top, an inclined chute or magazine for delivering fuel into the front part of the same; a transverse bridge wall, a register for admitting air to the combustion chamber before the gases pass from it under the bridge wall and a flue or flues at the back of the fire pot for carrying off the heated currents; 4th. The combination of the disc register M, the ring register N, and the lever I; 5th. The annular evaporating pan L, with a projecting spout II; 6th. The flues E, F, G, H, H', and K, and damper P, in combination with a fire pot having a combustion chamber closed at the top.

No. 5043. JAMES KEDY, New-York, U. S., 7th August, 1875, for 5 years: "Improvement in Securing Knob Roses to Doors." (Perfectionnement dans l'ajustage des rosettes des boutons de porte.)

Claim—The wooden bush F, inside a lock.

No. 5044. JAMES L. O'CONNOR, and HENRY DOCKHAM, Monroe, Wis., U. S., 7th August, 1875, for 10 years: "Pruning Shears." (Scieur)

Claim—1st. A pruning machine having shorter and greater bends, or curves of the shanks and blades; 2nd. The placing and insertion of the connecting rivet or bolt in such a position as to bring the point of cutting the limb much nearer and opposite the said rivet, thus shortening the purchase and greatly increasing the power; 3rd. The widening and extending of the blade A, so as to form the hook F.

No. 5045. AUSTIN BERRY, Waterloo, Que., 7th August, 1875, for 5 years: "Improvements on Churns." (Perfectionnements aux barattes.)

Claim—1st. The fly wheel D, and cog-wheel F, connected together by lugs E, or other device whereby the rim of the wheel is wholly supported from the fly-wheel; 2nd. The journal bearing G, applied as set forth, as an outer bearing for the axle of the pinion H; 3rd. The top B, constructed cylindrically so as to conform with the circular contour of the bottom A; 4th. The plates I, fitted to slide over a recess in the cream chamber to shield the inlet air orifices.

No. 5046. JOHN BULL, Chattanooga, Ten., U. S., 7th August, 1875: "Improvements on Stirrups." (Perfectionnements aux étriers.)

Claim—The combination with a stirrup A, having cross-bar B, of the swivel-shank C, with loop D, and head e, the circular discs G, G', and the rods b, with springs d, arranged in circular form around the shank C.

No. 5047. SILAS P. LITTLEFIELD, Lynn, Mass., U. S., 7th August, 1875, for 5 years: "Station Indicator for Railway Carriages." (Indicateur de station pour les voitures de railroutes.)

Claim—The combination of the shafts C, C', the extensible and contractile shaft E, and their connecting universal joint D, D', with the two railway-carriages A, B, and their station-indicators F.

No. 5048. HARRIET A. SCHANDEVYL, East Sangus, Mass., U. S., 1875, for 5 years: "Improvements on Corsets." (Perfectionnements aux corsets.)

Claim—In combination with the two portions A, A', of a corset, provided with a shoulder strap C, or C', to each of them the two intermediate crossed straps D, D', arranged above the said portions A, A', and applied so as to connect the said two shoulder straps, or cause each of them to be connected with both of said portions A, A'.

No. 5049. COLUMBUS MUNN, Cairo, Ill., U. S., 13th August, 1875, for 5 years: "Improvements on Veneer-Cutters." (Perfectionnements aux machines à couper les bois de placage.)

Claim—1st. The pressure bar A, provided with the semi-circular groove a, in combination with the pressure roller D, 2nd. The cutters G, constructed as shown and adapted for use in completing at one operation the ends of a barrel stave; 3rd. In a machine for cutting wood veneers, a pressure roller placed immediately in front of the cutter, and having an independent positive motion upon or around its axis. 4th. The bar A, constructed with adjustable sectional boxes I.