

No. 3267. DANIEL E. FLETCHER, Lindsay, Ont., 4th April, 1874, 5 years: "Machine for churning." (Machine à baratter.)

Claim.—The application of the horizontal screw dash C, as set forth.

No. 3268. WILLIAM A. LEWIS, Springfield, Vt., U. S., 4th April, 1874, for 10 years: "Improvement on Churn Powers." (Perfectionnement des mécanismes des barattes.)

Claim.—1st. The clutch M, or its equivalent, in combination with the gear wheel, when the said wheels are employed as described; 2nd. The groove F; 3rd. the combination and arrangement of the changeable wheels E, and I, arbour C, stud N, clutch M, grooves F, and K, and pins G, and L, as described.

No. 3269. THOMAS MATHIAS, and JOHN A. COONS, New Berlin, Ill., U. S., 4th April, 1874, for 5 years: "Improvements in churns." (Perfectionnements dans les barattes.)

Claim.—A churn with double milk receivers A, and B, and double dashers I, and J, in combination with the double dasher rods H, H, lever L, and standard K.

No. 3270. OREN F. COOK, Grand Island, Cal., U. S. 4th April, 1874, for 5 years: "Process of preparing Grain for the Manufacture of Flour." (Procédé pour préparer le grain pour la fabrication de la farine.)

Claim.—The process of removing from grain its outer husk or bran as described, to wit: first, subjecting the grain after the ordinary cleaning to the action of water or steam to soften the husk, then passing it between two vertical bran-covered metallic surfaces, one revolving within the other as set forth.

No. 3271. WILLIAM R. MACAULAY, Hamilton, Ont., 4th April, 1874, for 5 years: "Self-acting Car-coupler." (Attelage de wagon automatique.)

Claim.—The combination and arrangement of the several parts, namely: the arrow headed coupler arms B, for connecting the cars together in connection with the buffer and spring C, the bolt D, and the saddle E, in connection with the rods F, and H, and the lever G, for uncoupling the cars, all operating as set forth.

No. 3272. FRANCIS GREEN, Montreal, Que., (Assignee of T. HOLLAND), 4th April, 1874, for 5 years: "Combination Steam, Water and Gauge Cock." (Robinet à vapeur, à eau et de regard combiné.)

Claim.—The combination gauge cock composed of the column A, connected with the boiler and provided with two or more gauge cocks with the pressure gauge H, and water gauge I, as described.

No. 3273. SAMUEL RODGERS, Toronto, Ont., 4th April, 1874, for 5 years: "Improvements in Tobacco Cutters." (Perfectionnements aux hache-tabac.)

Claim.—The combination and arrangement with each other of the various parts of the device, namely: the stand A, the table B, with fence L, the frame C, with guide c, the handle D, the knife E, with stud e, the gauge bar F, with regulating screw J, and spring N. The whole as specified.

No. 3274. JOHN O'BRIEN, Quebec, 4th April, 1874, for 5 years: "Papyrus Photograph Card." (Carte photographique en papyrus.)

Claim.—The preparation of card board for the production of pictures by photo gallic process, by first coating the surface with a japan composed of a warmer's gold size, spirits of turpentine and carrier's vegetable black, and secondly, with one or more coats of varnish composed of copal varnish, Prussian blue, corrosive sublimate, linseed oil, and spirits of turpentine, in about the proportions specified.

No. 3275. DANIEL LARER, and SAMUEL E. GRISCOM, Pottsville, Penn., U. S., 4th April, 1874, for 15 years: "Diamond Mill-stone Dressing Machine" (Machine à diamant pour rhabiller les meules.)

Claim.—The combination of the bed-plate A, longitudinally sliding frame B, transversely sliding diamond carrier D, feed-screw J, ratchet L, ricker M, pawl N, latches V, W, and set-screw T.

No. 3276 RICHARD SMITH, Sherbrooke Que., 4th April, 1874, for 5 years: "Apparatus for Navigation." (Appareil de Navigation.)

Claim.—The construction of the floats T (drawing No. 2) of thin cedar staves *a*, (drawing No. 2) or other light material secured to ash knees or ribs *b*, (drawing No. 2) in such manner as to give the desired form and covered with cloth or canvas thoroughly cemented upon the float *a* so as to be perfectly air tight and water tight; 2nd. a seat E, constructed in such manner as to be adjustable and capable of being either elevated or depressed, and so as to be movable either forward or backward; 3rd. Paddle wheels so constructed by means of the paddles W, (drawing No. 2) flukes V, (drawing No. 2) with their studs and thumb nuts *e*, (drawing No. 2) as to be readily taken to pieces; 4th. The fasteners X, Q, & S, with their connections as described; 5th. The construction of a navigable apparatus with detachable frame B, B, b, b, and gear so that the frame and gear can be taken apart and stowed away in the floats for convenience in transportation, and 6th. Floats A, A, so constructed as that a part or the whole of the frame work and gear can be packed away in them, the whole as described.

No. 3277. SIMEON MILLS, Madison, Wis., U. S., 4th April, 1874, for 15 years: "Toilet Tabouret." (Tabouret-toilette.)

Claim.—1st. A tabouret having an upper compartment for the reception of a night vessel, placed at a convenient height for use and provided with a room or seat and elastic fitting cover all constructed as specified; 2nd. A tabouret provided with the two compartments B, and C, the lower one serving as a chest for waste paper and other articles, and the upper one to receive, conceal, and carry an ordinary chamber or night vessel, all in the manner set forth.

No. 3278. ROBERT J. CAMPBELL, Toronto, Ont., 4th April, 1874, for 5 years: "Curtain Ring and Hook." (Anneau et crochet de rideau.)

Claim.—1st. The curtain rings B, and double hook *b*, fashioned from a single piece of wire as described. 2nd. The curtain support B₂, fashioned with hook head and spike from a single piece of wire as described.

No. 3279. JOHN HORTON, Philadelphia, Penn., U. S., 4th April, 1874, for 5 years: "Process for massing granulated iron ore into lumps." (Procédé pour agglomérer le minéral de fer.)

Claim.—Combining or massing the granulations or particles of iron ore by mixing with the said ore, clay, mortar, or othersuitable substance, and water, for the purpose described.

No. 3280. BENJAMIN G. MARTIN, New York, U. S., 8th April, 1874, for 5 years: "Improvements on Presses." (Perfectionnements aux Presses.)

For pressing cotton and other articles.
Claim.—1st. The combination of swivel braces H, with a disc G, and a slide E, and with the head-block, and follower of a press, in the manner described; 2nd. The combination of working pawls K, K, and stop pawls L, L, with the swivel braces H, disc G, slide E, head-block A, and follower D, as set forth; 3rd. The releasing levers M, M, in combination with the stop pawls K, K, L, L, swivel braces H, slide E, follower D, and head-block A, in the manner described.

No. 3281. HENRY COBLEY, Toronto, Ont., 8th April, 1874, for 5 years: "Improvements on Boots and Shoes." (Perfectionnements dans les chaussures.)

Claim.—1st. The application of a sole of india-rubber *a*, or its equivalent, to the inner sole of leather, or cloth boots or shoes; 2nd. The enclosing of a portion of the uppers of leather or cloth boots or shoes with rubber-cloth C, or the piecing of said uppers with rubber-cloth; 3rd. The combination of the india-rubber sole *a*, or its equivalent, and the partial covering or piecing of the uppers of boots and shoes with rubber-cloth C.

No. 3282. EDWARD BEANES, Toronto, Ont., 10th April, 1874; (Extension of Patent No. 265, N. B.): "Improvements on Brewing." (Perfectionnements dans la fabrication de la bière.)

Claim.—In the process of brewing, the treating the brewing materials with sulphurous acid, or the salts of sulphurous acid hereinbefore mentioned, before their entrance into the wash-tun during the process of mashing or during the process of boiling the wort with the hops, and consequently before the fermentation of the liquor has taken place and the production thereby of an improved quality of beer, substantially in the manner described, and this is granted subject to the provisions and conditions in the said Patent hereunto annexed, mentioned and contained.