

No. 6395. Meat Preserving Process.*(Procédé de conservation de la viande.)*

Windsor Leland, Chicago, Ill., U. S., 4th August, 1876, for 5 years.

Claim.—Cooking the meat by boiling or steaming, then cutting or chopping it, then evaporating and finally sealing the meat so treated in air-tight cans.**No. 6396. Improvements on Fences.***(Perfectionnements aux clôtures.)*

Jesse Kinney, London, Ont., 4th August, 1876, for 5 years.

Claim.—1st. A fence constructed of hollow standards A, bars C, wire-ropes D and marble or stone-caps E; 2nd. The standards A with foot B and wrought-iron bar A'; 3rd. The gate F, in combination with the standards A and bars C.**No. 6397. Improvements on Milk Strainers.***(Perfectionnements aux couloirs à lait.)*

Patrick S. Ryan, Rutland, Vt., U. S., 4th August, 1876, for 10 years.

Claim.—A milk strainer A provided with an inwardly and outwardly inclined rim C around its peripheral edge, and the strainer gauges B at an inclination, with a sediment cavity D below them.**No. 6398. Composite Wood-Block Pavement.***(Pavage mixte en blocs de bois.)*

David Ewart, Ottawa, Ont., 4th August, 1876, for 5 years.

Claim.—The combination of the vertical dove-tailed blocks B with the horizontal scantlings C, wooden slips D and iron-bolts E F G H.**No. 6399. Improvements in Churns.***(Perfectionnements dans les barates.)*

John McConachie, Ancaster, Ont., 4th August, 1876, for 5 years.

Claim.—1st. A churn A having a central partition L forming two chambers M and N, said partition being perforated with holes O near the top and bottom respectively, so that the cream is driven by double dashers from one chamber to the other; 2nd. In combination with the churn A, the frame work B provided with double crank D, walking beams F F, connecting rods I, balance wheel E.**No. 6400. Improvements on Corn Brooms.***(Perfectionnements aux balais de houque.)*

James D. Dresser, (Assignee of James W. Cuthbertson), Brantford, Ont., 5th August, 1876, for 4 years

Claim.—The malleable iron head A B made in two pieces with pikes or teeth E cast on each, and socket C cast on B, also screws F.**No. 6401. Machine for Re-Sawing Lumber.***(Machine à refendre le bois.)*

Edwin Benjamin, Chicago, Ill., U. S., 5th August, 1876, for 5 years.

Claim.—1st. The combination of the weighted lever K provided with lugs P O, guides c c, connecting rods a b, sliding frames 5, 6, carriage J and feed rollers E E E'; 2nd. The combination of pinions V W, lever f, rack g, shaft d, with feed rollers E E'; 3rd. The combination of the till rod h, carriage J, carriage frame J', screw clutch 3 and rollers E E'.**No. 6402. Improvements on Fences.***(Perfectionnements aux clôtures.)*

Elijah Sims and John H. Peak, Aurora, Ill., U. S., 5th August, 1876, for 5 years.

Claim.—1st. The metallic fence rod b having plane faces and provided with barbs a integral therewith, all projecting from one face, said rod twisted to arrange the barbs spirally around it; 2nd. A twisted barbed fence-bar, the barbs being at intervals upon one side of a plane faced bar, tapering or wedge shaped in its cross section and pointed; 3rd. The method of constructing barbed fence bars, consisting in treating an angular bar to the successive operations of reducing it to a wedge shape in cross section, cutting out intervals from one side leaving the barbs pointed in the same plane with the stock, and twisting said bar to project the barbs.**No. 6403. Car Axle Journal Lubricator.***.(Graisser de fusée d'essieu de wagon.)*

George M. Morris, Cohoes, N. Y., U. S., 5th August, 1876, for 5 years.

Claim.—1st. A lubricating device applicable to a journal of a car axle within the housing of the same, the combination with the lubricating wheel roller and its shaft, of the full bearing C and the notched bearing C', both supported in an elastic manner, and the latter capable of being separately and previously depressed in relation to the former, and the former capable of retaining the wheel in its shaft in position; 2nd. In combination with the full bearing C supported in an elastic manner from base E F, and notched bearing C' also supported in an elastic manner from said base and capable of being depressed previous to the bearing C which may itself be subsequently depressed of the shaft B carrying the wheel-shaped roller A having shoulders X X at a point about midway between said wheel roller and the bearings C C' and journal Z Z; extending from said shoulders outward past the outsides of said bearing for operations.**No. 6404. Grain Drying Kiln.***(Four de séchage du grain)*

William Stewart, St. Thomas, and William E. Blake and J. Wesley Woolley, Springfield, Ont., 5th August, 1876, for 5 years.

Claim.—1st. One or more shelves or screens F suspended within a drying kiln by the rods G, and having a reciprocating motion imparted to them by suitable means in combination with the hopper J, worm screw L, octagonal cylinder or screen M, discharging spout N and screw O, arranged and operated for the purpose of automatically conveying grain through a heated chamber or kiln at such a speed that the said grain shall be dried as required before it is finally discharged from the kiln; 2nd. An iron furnace C provided with a smoke flue D placed within a drying kiln.**No. 6405. Combined Oatmeal Cutter and Malt Crusher.***(Hache-grain et triturateur de drêche combinés.)*

Edward S. Higgins and Pierre Payette, Ottawa, Ont., 5th August, 1876, for 5 years.

Claim.—1st. The combination of the feeding rollers C C' and the cutting rollers D Dr, made either solid or with separate knives bolted together with the fly wheel G and other gears F, and the frame A to produce oatmeal; 2nd. The peculiar action of the feeding rollers C C' in rolling from the centre upwards for the purpose of letting the grain fall cross-ways on the cutting rollers D; that they may be cut crosswise; the said motion effecting the purpose of preventing any foreign body from passing between the feeding rollers and thereby endangering the machine; 3rd. The combination of the feeding rollers C C' and the crushing rollers i i' with the fly wheel G and other gears F and the frame A, to crush malted barley or other grain, &c.**No. 6406. Machine for Planing and Matching Lumber.** *(Machine à raboter et bouter le bois.)*

Edwin Benjamin, Chicago, Ill., U. S., 5th August, 1876, for 5 years.

Claim.—1st. The combination of the frame caps I, screw rods 10, sliding bearings or boxes N, stationary bearing or boxes N, feed rollers m m', guides or frames B B, stirrups H H, weighted levers i J, screw rod 10 and pinion E; 2nd. The combination of the feed rollers m m', connecting rod S, arm T, lever U, pinions R Q Y, rod a and gear O P t; 3rd. The combination of transversely concave cap plates h with knives g, nuts i and cutter head f; 4th. The combination of the connecting rod W provided with an enlarged journal C at one end, a cup d at the other end to fit an enlarged journal on the gear L, with the bridge b provided with a cup e to fit journal C; 5th. The combination of the double pinion Q Y, pinion R, arm T, rod a, gear O P t and feed rollers m m'.**No. 6407. Expansion Joint for Tubular Water Fire Bars.***(Joint à Expansion de barreaux tubulaires de grilles faisant circuler l'eau.)*

George Haworth, Saint Michaels Hamlet, Eng. (Assignee of Frederick R. Ellis), 5th August, 1876, for 5 years.

Claim.—1st. The novel combination of the fire bar b, link piece a and the bearer c; 2nd. The link piece a.**No. 6508. Manufacture of Counters for Boots and Shoes.** *(Fabrication des contre-forts de chaussures.)*

John R. Moffit, Chelsea, Mass., U. S., 5th August, 1876, for 5 years.

Claim.—1st. The improved process of shaping counters consisting in first giving the proper curves by a revolving former, and afterwards giving the exact shape by forming the counter over a male mould; 2nd. The male mould c, formed with its sole surface curved, in combination with a pressure surface arranged to move over it in the arc of a circle, and thereby form the bottom of a counter on a curve; 3rd. The mode of giving a more permanent set to the curve by running the presser roll b at a greater speed than the former a; 4th. In combination with the male mould c, the heads A and B; 5th. The guide C in combination with the male mould c and mechanism for shaping the counter over that mould; 6th. The needle k in combination with the male mould c and mechanism for operating the needle.**No. 6409. Portable Gas Machine.***(Machine à gaz portable.)*

Thomas H. Hicks, Thomas A. Stevens, William P. Turner and James Burns, London, Ont., 5th August, 1876, for 5 years.

Claim.—The process of uniting wood gas with oil to form an illuminating gas.**No. 6410. Wood Screw Machine.***(Machine à vis à bois.)*

Charles D. Rogers, Providence, R. I., U. S., 5th August, 1876, for 15 years.

Claim.—1st. A multiple tool mounted on the tool post and so governed by a locking index wheel that by turning forward and locking the index wheel a new tooth may be presented to a revolving blank and caused to operate upon it; 2nd. A multiple tool having bearings in the tool post, in combination with an index wheel and mechanism for making and preserving the adjustment, whatever may be the diameter of the tool; 3rd. A multiple tool revolved and adjusted in combination with mechanism for controlling the revolution of the tool automatically.