

3rd. The yielding guide J, in combination with the dressing wheel H, for the purpose of dressing the hoops during their progress through the machine; 4th. The combination of the flange or flanges of the wheels B B, and the rib or ribs of the yielding guide J, forming the means whereby the hoop is held in place laterally, while passing over the surface of the shoes; 5th. The smooth rollers, in combination with the crimping guide F, for the purpose of coiling box or other rims without steaming; 6th. The rollers G G, for the purpose of tempering and curving staves.

### No. 10,096. Improvement in Oatmeal Machines. (*Perfectionnement aux machines à gruau d'avoine.*)

Samuel A. Fuller, Cleveland (Assignee of John F. Byers, Ravenna), Ohio, U. S., 13th June, 1879, for 5 years.

*Claim.*—1st. The alternate parallel bars *e* and *x* with their sides in continuous contact, and provided on their upper edges with knives *c* et, and depressions across the top of the bars for the escape of the meal; 2nd. The series of bars *e*, provided with knives *c* on their upper edges, in combination with bars *x*, provided with knives *c* et on their upper edges; 3rd. The hopper *h*, having lateral slots *s*; 4th. The hopper *h* having lateral slots *s* in its bottom, in combination with the bars *e* provided upon their upper edges with knives *c*, and the bars *x* provided upon their upper edges with the knives *c*.

### No. 10,097. Improvements in Animal Traps. (*Perfectionnements aux pièges à vermine.*)

Thomas G. Rice (Co-inventor with John Thompson), Montreal, Que., 13th June, 1879, for 5 years.

*Claim.*—1st. The combination of the spring D, having link *e* attached thereto, with the post B provided with pivoted pawl having projection *e* and end *c* with the catch *a*; 2nd. The combination of the spring D, link E, post B having pivoted pawl, also wire C and the guard *a*; 3rd. The spring D, provided with a caging *b* also provided with a link E, in combination with the pivoted pawl having projection *e* and end *a*, wire C, post B, hook *b* and reflecting guard *a*.

### No. 10,098. Improvements on Clothes Buttons. (*Perfectionnements aux boutons des hardes.*)

James B. Lamb and William Shoolbred, Ottawa, Ont., 13th June, 1879, for 5 years.

*Claim.*—1st. The combination of the body A, neck B having the flange C and the web D; 2nd. The combination of the body A, neck B and flange C with the thread bar *b*.

### No. 10,099. Improvements in Hame Fasteners. (*Perfectionnements aux attache-attelles.*)

George A. Coulter, Omaha, Neb., U. S., 13th June, 1879, for 5 years.

*Claim.*—The combination, with loop B and retaining hook C, of the hooker lever D, bent at the angle specified and having the projection *d*, and its eye *e* extending back of same toward the median line of the shorter arm.

### No. 10,100. Improvements on Scythe Fastenings. (*Perfectionnements aux manches des faux.*)

Albert W. Flanders, North-Grantham, N. H., U. S., 13th June, 1879, for 5 years.

*Claim.*—1st. The socket or ring *b* provided with a cross mortise *e* and teeth or corrugations *d*; 2nd. The combination of the cam button *a*, with the socket or ring *b* having teeth or corrugations *d* and adapted to receive the toothed or corrugated shank of the scythe; 3rd. The scythe formed with a straight shank provided at its end with teeth or corrugations *g*.

### No. 10,101. Improvements on Fanning Mills. (*Perfectionnements aux tarares-cribleurs.*)

William F. Honey, Oshtawa, Ont., 13th June, 1879, for 5 years.

*Claim.*—The combination of the adjustable screen B with the roller F and rack G.

### No. 10,102. Improvements on Ice Cutters. (*Perfectionnements aux tranches à glace.*)

Horace B. Warren, Montreal, Que., 13th June, 1879, for 5 years.

*Claim.*—1st. The cutter A B C D; 2nd. The combination of sliding weight or ball E with cutter A B C D.

### No. 10,103. Combined Collar, Muff and Bag. (*Pellerine, manchon et sac combinés.*)

Carl F. W. Salbach, Berlin, Prussia, 13th June, 1879, for 5 years.

*Claim.*—An improved garment combining collar, boa, muff, bag, purse or case connected with each other.

### No. 10,104. Method of, and Apparatus for Cutting Chenille Cloth. (*Méthode et appareil pour tailler la chenille.*)

Robert N. Havers and Robert G. Geach, Bradford, Eng., 13th June, 1879, for 5 years.

*Claim.*—The arrangement and combination of the various parts of the apparatus for adjusting and regulating the cloth before it is passed over the knives to be cut, so that the warp of the same is kept in a straight line and at a uniform distance from the centre of the cutters or knives.

### No. 10,105. Improvements on Farm Gates. (*Perfectionnements aux barrières.*)

William H. Yocum, Selkirk, Ont., 13th June, 1879, for 5 years.

*Claim.*—The triangular frame C, hinged to the post B and provided with anti-friction rollers D E, to carry the gate A.

### No. 10,106. Improvements on Door Hinges. (*Perfectionnements aux pentures des portes.*)

Henry Collard, Gananoque, Ont., 13th June, 1879, for 5 years.

*Claim.*—1st. The combination of the bracket plate A, having pintle B wholly or partly encircled by an inclined cam rail C, and the shank D having a sleeved roller E and T-pipe termination F screwed thereon, for engagement with the pintle; 2nd. The strap or shank D fastened to, or inserted in the gate or door having a T-pipe coupling termination F and a roller E.

### No. 10,107. Improvements on Cake Machines. (*Perfectionnements aux machines à gâteaux.*)

Daniel M. Holmes, Arlington, N. J., U. S., 16th June, 1879, for 15 years.

*Claim.*—1st. The combination of the air tight pistons K, with the tubular cutters B, for pushing the cakes of dough off the said cutters by air pressure; 2nd. The combination of the sliding rack N, the sliding plate O, provided with the pivoted gear wheel Q, the stationary rack R and the standard P, with the cross bar M attached to the piston rods L, the cross bar D attached to the tubular cutter stems C, and the compartment A; 3rd. The combination of the push rods S, provided with the adjusting screws and nuts *a* et *b*, and the cams V, with the driving shaft W, and the cross-bar D that carries the tubular cutter stems and cutters C B; 4th. The combination of the sliding sleeves E, the connecting rods F and the lever G, with the cross-bar D that carries the tubular cutter stems and cutters, and with the push rods S; 5th. The combination of the hinged extension Z, with the frame U and with the endless apron X; 6th. The combination of the screws At, the gear wheels B; C; and the shaft D; with the main frame U and the hinged extension Z; 7th. The combination of the cutter plates F; G, sliding at the same time in opposite directions, and provided with the slots or openings *f* *g*, the horizontal racks H, the gear wheels I and the vertical racks J, with the compartment A, the cross bar D and the springs and rods H I; 8th. The combination of the pinch plates K; with the sliding cutters F; G, provided with the slots or openings *f* *g*; 9th. The combination of the pins K<sup>4</sup> and the springs K<sup>5</sup>, with the pinch plates K<sup>1</sup> and the cutter plates F; G.

### No. 10,108. Throttle Valve. (*Soupape à gorge.*)

Henry Watkeys, Syracuse, N. Y., U. S., 16th June, 1879 (Extension of Patent, No. 3578), for 5 years.

### No. 10,109. Wash-Board. (*Planche à savonner.*)

Thomas D. Jones, Syracuse, N. Y., U. S., 16th June, 1879 (Extension of Patent, No. 3589), for 5 years.

### No. 10,110. Improvements on Fish-Passes. (*Perfectionnements aux passes migratoires.*)

James A. Grant, Halifax, N. S., 16th June, 1879, for 5 years.

*Claim.*—The mode of facilitating the passage of fish over river obstructions, by constructing an artificial water course, connecting with the river at a distance above and below such obstructions, to give a decline sufficient to allow of the passage of fish against the current of water in such channel and constructing across the river above the mouth of said channel a crib work to form a dead water entrance to the fish channel, and constructing across the river, below the entrance of said channel, a guard or strainer, to prevent the downward passage of fish over the obstruction.

### No. 10,111. Improvements on Saw Mills. (*Perfectionnements aux scieries.*)

William Gowen, Vansau, Wis., U. S., 18th June, 1879 (Extension of Patent, No. 3588), for 5 years.

### No. 10,112. Improvements on Frame Erectors. (*Perfectionnements aux monte-char-pentes.*)

Summit R. King, Alameda, Mich., U. S., 23rd June, 1879, for 5 years.

*Claim.*—1st. The machine for raising the bents of frame structures consisting of the frame A B B C C having brace rods *e* *e* *f* *f*, cross brace *b* *b*, cap piece *c*, journal blocks *d* *d*, rest block G and clamp or clevis H, in combination with the hoisting drum D, rope *i* and pulleys *a* *a* *a*, the two last of which are united by the chain rest R; 2nd. The combination of the swinging upright L, having cross piece K carrying the pulleys *a* *a*, with the clamp block L having keeper M, pivoting pin *g*; 3rd. The clamp block L provided on one side, with keeper M and pivot *g*, and on the other, with the contracting and expanding portion S and *t* together with bolts *r* *r* *r*; 4th. The combination of the hoisting frame A B B C C, having drum D, with the adjustable tilting frame consisting of parts I K L and hoisting rope *i*.

### No. 10,113. Improvements on Milk Refrigerators. (*Perfectionnements aux garde-lait.*)

Henry Aylmer, Melbourne, Que., 23rd June, 1879, for 5 years.

*Claim.*—The metal or composite tank A, for holding the cooling medium D together with the openings B made entirely through the tank with cased sides, the raised openings C, on the upper side, and the faucet E, at the bottom.

### No. 1,0114. Improvements in Treating Felts. (*Perfectionnements dans le traitement des peaux.*)

Samuel D. Castle, Bridgeport, Ct., U. S., 23rd June, 1879, for 5 years.

*Claim.*—1st. Agitating the damp felts and simultaneously subjecting them to the action of currents of heated air; 2nd. The combination, with the