the inner portion of the stems and passing them between heated finted rollers;
4th Splitting the stem and removing the inner portion, and then subjecting the stem to a rasping or grinding process to remove all or nearly all of the pith; 5th Splitting the stem, removing the inner portion, rasping or grinding the stem to remove the pith, and then subjecting the feather to the notion of crushing rollers or surfaces either fluted or otherwise, either with or without the action of heat.

No. 8030. Mangling and Wringing Machine. (Machine à calundrer et essorer.)

James C. Harrison, Brockville, Ont., 10th July, 1878, for 5 years.

Claim.—The arrangement of the rollers H H, and the pressure roller Hr, having an equalising spring h imposed on its movable bearings regulated by screw B, and geared together to operate in unison within the frame D.

No. 8000. Sliding Door. (Porte en coulisse.)

George R. Kidder, Amada, Mich., U S., 10th July, 1878, for 5 years.

Claim.—1st. In a s.iding door or gate, the combination of the hargers B B with the door or gate A, pulleys C C and elevated platform a; 2nd. The combination of the door or gate A, platform a, hangers B B, pulleys C C and bent or angular bar D, provided with a friction roller d.

No. 8991. Camp Bedstead. (Lit de camp.)

William Shoolbred, (Assignce of Thomas Steers, Jr..) Ottawa, Ont., 10th July, 1878, for 5 years.

Claim.—A camp bedstead constructed of rails A A and C C, telescoping together and hinged to cross legs E E F F D D, said legs formed with a zig-zag pivot joint at their intersection to fold compactly as set forth.

No. 8992. Machine for Crushing Withe. (Machine pour écraser l'osier.)

William Lesslie, Jr., Kingston, Ont , 10th July, 1878, for 5 years.

Claim.—The rollers A B having the tapered surface and the spiral groove def, and the parallel grooves ghk, for crushing withes.

No. 8993. Washing Machine. (Machine à laver.) Leonard C Snyder and Hiram E Bates, Essex Junction, Vt., U S., 10th July, 1878, for 5 years.

Claim —1st. In combination with a plain rubber roller B, journalled in the standards A of a washing machine, in any ordinary manner, a roller c having longitudinal grooves F. 2nd. The combination with the wringer standard A A, of the tocking block G and segmental bar II.

No. 8994. Improvement in Scrubbing Machines. (Perfetionnment dans les machines à frotter les parquets.)

August F. Stockley, Bishop Creek, Cal., U.S. 10th July, 1878, for 5 years.

Claim.—1st. The arrangement of devices for giving a reciprocating movement to the brush, composed of the wheel M, with a sunken gear in its outer peripherry punion, cranks and shaft K, horizontal arms L and fixed apright standards H; 2nd. The combination with the tonk A, of the sprinkler R, valve S, and its operating mechanism composed of the vertical rod T and arm and adjustable nuts V.

No. 8995. Improvements in Ironing Boards. (Perfectionnments dans les tables a repasser.)

Louis Duval, Longueult, Que., 10th July, 1878, for 5 years.

Claim.—The combination with the board A of supports B and C, pivoted respectively to ledges b and c (the former having slots B: formed therein,) and the connecting rod D, with heads or nuts D:,

No. 8996. Improvements on Carriage Springs. (Perfectionnements aux ressorts des voitures.)

William Bambridge, Oshawa, Ont., 10th July, 1878, for 5 years.

Claim.—The combination of an elastic cushion or separator A, with springs B Bi, clips C, follower C:: and rivets D.

No. 8997. Art of Draughting and Cutting Garments. (Art de tracer et tailler les hardes.)

Neil McMillan, Mount Forest, Ont., 10th July, 1878, for 5 years.

Claim —1st. The combination of scales G F P T B and W B , 2nd The combination of scales S P H and F

No. 8998. Improvements in Gates. (Perfectionnements dans les barrières.)

Jacob S. Lounsberry, Sandwich East, Ont., 10th July, 1878, for 5 years.

Jacob S. Louisuerry, Stanwich Fast, Unt., 10th July, 1878, for 5 years.

Claim.—1st. The curved double lever F F F, with the hinged double pulley H; 2nd. The wheels L Li with their attachments, acting in combination with active M is with their attachments, ecting in combination with latch guards D D: 4th. The swinging leaf A_L, at the lower side of the gate with its bolt, 5th. The combination of the curved doub elever F F F and its adjuncts H and G, with wheels L Li, and their attachments I I: II, and with spring levers M M: and their attachments, with swinging leaf A_L.

No. 8999. Improvements on Gas Governors. (Perfectionnements aux régulateurs à gaz.)

Frank B. Scovell, Waterford, Ont., 10th July, 1878, for 5 years.

Claim—1st. The outer vessel or can A, vertical pipe B, float E and rod F, having universal joint G, collar K, set screw L and weights M, in combination with valve chamber G, check valve H, outlet I. and connection J, 2nd. As a means of regulating the flow of gas from the main pipe to the burners, in a vessel A, partially filled with water D and having a space N between said fluid and a float E, operating the valve H or equivalent devices.

No. 9000. Improvement in Rein-holders. (Perfectionnements aux accroche guides.)

John M. Taylor and John MacKey, Fredericton, N.B., 10th July, 1878, for 5 years.

Claim—The device C, made with two recesses C: C2, to adapt it to be attached to the hip straps of a harness for holding the reins.

No. 9001. Improvement on Cooking Stoves. (Perfectionnement aux poêles de cuisine.)

John M Taylor and John Mackey, Fredericton, N.B., 10th July, 1878, for 5 years.

Claim.—The device E, so made as to adapt it to be secured to the fuel chamber of cooking stoyes.

No. 9002. Apparatus for Utilizing Steam in Heating. (Appareil pour utiliser la capeur dans le chauffage.)

Birdsill Holly, Lockport, N.Y., U.S., 10th July, 1878, for 5 years.

then thing. (Appared pour utiliser la upour dans le chauffage.)

Birdsill Holly, Lockport, N.Y., U. S., 10th July, 1818, for 5 years.

Claim.—1st. An underground steam street main in combination with steam-supplying apparatus, and with a neter constructed to control the pressure of steam in a building, and also record the consumption of steam from such main; 2nd. Underground street mains, connected with steam supplying apparatus and with junction boxes which permit expansion and contraction of the mains longuidinally, and with leat radiators in building contiguous to streets where the mains are laid; 3nd. In combination with steam conveying pipes of a building. for conveying steam to beat the building; 4th. An underground steam intered main in combination with steam supplying apparatus, and with a heat radiator of a building and with a meter. St. b. Underground steam street main in combination with steam supplying apparatus, and with a steam supplying apparatus and with a steam stapplying apparatus and with a steam stapplying apparatus and with a steam stapplying apparatus and with a steam supplying apparatus, and with a heater of a building and with a steam supplying apparatus, and with a heater of a building and with a steam supplying apparatus, and with a heater of a building and with a street hydrau, 19th in underground steam street main connected with steam supplying apparatus, and with a heater of a building and with a street hydrau, 19th in underground steam street main connected with steam supplying apparatus and with a heat radiator of a building and with a street hydrau, 19th in underground steam street main connected with steam supplying apparatus and with a heat radiator of a building and with a meter hydrau, 19th in underground steam street main connected with steam supplying apparatus and with a heat radiator of a building and with a meter hydrau, 19th in underground stone steem man connected with a steam supplying apparatus and with a heat radiator of a building and with an armound and with a hea

No. 9003. Apparatus for the Extraction of Gold from Auriferous Gravel. (Ap parcil pour l'extraction de l'or du gravier aurifère.)

Philip Cadell, Victoria, B.C., 11th July, 1878, (Extension of Patent No 3489) for 5 years.

No. 9004. Improved Tape Measure. (Ruban-

Asahel F. Ward, Philadelphia, Pa., U.S., 11th July, 1878, for 5 years

Claim.—A non-elastic tape measure, composed of a fabric impregnated and coated with rabber, and having figures and graduation marks practed on its rubber surface.