Claim.—lst. The rotatory arms C, C, with shafts B, and swinging sholves D, with loops E, E, and studs F, F; 2nd. The standards H. H, with short rovolving arms G, G, and choose holder K, K, with thore bearings I. I, and gauge holdes S, S; 3rd The spring L, with catch holder M, catch P, and posts A, A.

No. 3887. ALEXANDER RODGERS, Muskegon, Mich., U. S., 30th September, 1874, for 5 years: "Circular Saw Mill." (Moulin à seies circulaires.)

laires.)

(Vaim.—lst. The frame composed of the bollow columns B, and Bi, the pipes C and Ci, having inlet and outlet pipes a. and n, and the rods a, provided with serew threads and ants upon their ends; 2nd. The hollow columns E, in combination with the pipes C, caps Ei, and bearing plate G, provided with the lugs b, and temper serows for changing the pastion of the column upon the pipe; 3rd. The journal box F, in combination with the column E, and intervening elastic material; 4th. The grooved bed plate I, the nournal boxes Hi, and Iri, in combination with the pipes C; 5th. The moveable journal box P, in combination with the pipes C; 5th. The moveable journal box P, in combination with the pipes R, collars, and pipe C; 6th. The moveable journal box P, in combination with the rods h, reciprocated by eccentries or equivalent devices and operated by the hand lever R; 7th. The fraction pulley U, consisting of the side pieces A, and connected in the manner specified; 3th. In combination with the pulley O, constructed as shown the friction wheats I, and K, their wearing surfaces being formed of paste-board in the manner described; 3th. The flanged column S, earrying the saw-guides in combination with the pipe C, and bar by 18th. The guide bars o and p, provided with the pipe C, and bar by 18th. The outded with a splitting wheel V, in combination with the hooded journal baxes T, and T; 12th. The bearing roll U, provided with a splitting wheel V, in combination with the adjusting dovice V; 18th. The recessed pully I, arranged with relation to the main driving pulley and bell; 14th. A machine composed of the actions mechanisms described, all the parts being constructed.

O. 3888. JOSEPH W. JONES, London, Ont., 30th

No. 3888. Joseph W. Jones, London, Ont., 30th September, 1874, for 5 years: "Preservation of Eggs." (Conservation des œufs.)

Claim. A compound composed of salt, lime, magnesia, alum, salt-petre, gum-arrive and water placed in contact with a bag, containing charcoal, as set forth.

No. 3889. WILLIAM W. CLAY, JOHN KAY & THOMAS MCCOSH, Paris, Ont., 30th September, 1874, for 5 years: "Wool Drying Apparatus." (Appareil à sécher la laine)

Claim.—1st. The shaft A and furnace II for drying weel; 2nd The lift or elevator D, in combination with the shaft A; 3rd. Providing the furnace II with a covering 1.

No. 3890. Anson (). KITTRIDGE, WILLIAM H. CLARK, and WILLIAM J. CLARK, Salem, Ohio, U. S., 30th September, 1874, for 5 years: "Machine for Marking Lines of Bend of Sheet Metal for Moulding." (Machine à marquer les lignes de courbure des feuilles métalliques pour les moulures.)

Claim.—Ist. The beam F, having therein a greave h, the lower side whereof is perferated with two or more longitudinal rows of holes, prieks at more or less in number, filled e in combination with the hed or table K. 2nd. The shaft C, and pitman D, in combination with the beam F, for operating the same in the manner described: 3rd. The sable K, having its surfaces directly under the beam F, and longitudinally therewith infaid with soft metal, hard wood or other equivalent material, as described.

No. 3891. George Scott, Montreal, Que., 30th September, 1874, for 5 years: "Carriage Lifting Jack." (Chevre à élever les voitures.)

Claim—1st. The vertical sliding bar B, with tooth goar and ratchet combined as set forth, 2nd. The combined sectional junion and lever C, as set forth: 3rd. The slotted bearings E, E, and E, E, in the lars D, D, for the purpose set forth: 4th. The ratchet pawl F, with spring in combination with the standard A, the sliding bar B, sectional punion lever C, luss D.D, with slotted bearings E, E, and E.E. the whole combined as described.

No. 3892. Theodore M. Foote, and Charles A. Randali, New York, U. S., 30th September, 1874, for 5 years: "Improvement in Telegraph Instruments." (Perfectionnement des instruments de télégraphie.)

Claim.—1st. The filter of paper or other non-conducting material, for dire trecording chemical tolegraphs, provided with the extra row of perforations, when the perforations in the extra row come directly after each and every perforation in the row or rows cor-

responding to the message; 2nd. The fillet of paper or other nonconducting material, perforated with an extra row of perforations between each and every perforation in the row or rows corresponding to the message in combination with an extra pen or stylers, connected to pole "battery opposite to the recording battery for the purpose of discarging or freeing a telegraph line or cable of unavailable and surplus electricity; 3rd. The fillet of paper, or other non-conducting material, perforated with an extra row of perforations between each and every perforation in the row or rows, corresponding to the message, in combination with an extra pen or stylers, connected to earth for the purpose of discharging or freeing a telegraph line or cable of unavailable and surplus electricity; 4th. A fillet of paper perforated with an extra row of perforations, in combination with an extra pen or stylers connected to earth, in combination with a discharging or extra battery at the receiving end of a line for the purpose of discharging or freeing a telegraph line or cable of unavailable and surplus electricity. 5th. The method of working automation extra pen or stylers connected to earth, in combination with a discharging or freeing a telegraph line or cable of unavailable and surplus electricity. 5th. The method of working automation enterest of opposite polarities, one entrent effecting the recording thrown upon the line immediately after each break in the circuit of the recording current; and being thrown upon the line immediately after each break in the circuit of the recording current, a current or immediately a few polarity; 7th. The combination with the transunting drain of a recording and recoving drain and counts connecting them and transmitting drain of an automatic or chomical apparatus of an automation of the recording drain of an automatic elegraph apparatus of an automation of the armature a provided with a polarity; 7th. The combination of the armature a provided with a polarizing helix or helicos M, and the elect

No. 3893. George Pve, St. John, N. B., 1st October, 1874, for 5 years: "Improvements on Harvesters." (Perfectionnements aux moissonneuses.)

Claim.—1st. The wheel E, having peripheral transverse graduated flates and rocker F, having anti-friction rollers it, aperatual in combination for imparting by means of lever mechanism the ordinary motion to the knife; 2nd. The frame A, mounted on the axio B, for attachment of the draught pole, and bearings for the operating parts; 3rd. The frame A, constructed in two sections, hinged together, the moveable section supporting the shoe K, for elevating the knife perpendicularly; 4th. The cam N, applied to the r-eker shaft P, to withdraw the rocker arms from engagement with the concaves of the whoel; 5th. The knife bur if hinged to the drag bar M, pivoted to the frame A, the cut of the knife being in line with the axio B, centrally of the wheels, as set forth.

NO. 3894. CLARK S. FULLER, ORVILLE M. MORSE and HARVEY J. BURDICK, OS WEGO, and SIMEON HOWES, ALPHEUS BABCOCK, NORMAN BABCOCK, and Carlos Ewell, Silver Creek, N.Y., U. S., 1st October, 1874, for 5 years. "Middings Purifier." (Epurateur des gruaux).

Claim.—Ist A real bolt composed of hinged segments which open and close, and thereby form apertures at the top of the real for the escape of the inpurtues as the real revolves; 2nd. The combination with an exhaust chamber communicating at the top with the ye of the fan, of the hinged segmental real Bile, and the combination with the tail end of the real and the outlet formed therein, of the shield and deflector Bile as set forth,

No. 3895. Orville M. Morse, Clark S. Fuller and Harvey J. Burdick, Oswego, and Simeon Howes, Alpheus Babcock, Norman Babcock and Carlos Ewell, Silver-Creek, N. Y., U. S., 1st October, 1874, for 5 years: "Middling's Purifier." (Epurateur des gruaux.)

Claum.—1st. The combination with the exhaust case A. of an elevating wheel provided with buckets d. arranged so as to scoop up and elevate the material from the bettem of the case and discharge it, at or near the top thereof, so as to be subjected to action of an air current in its descent for separating and removing the impurities therefrom, 2nd. The combination of the viewning