

No. 3848. OSCAR F. SHAFER, London, Ont., 21st September, 1874, for 5 years: "Land Roller." (Rouleau d'agriculture.)

Claim.—The separate and independent arrangement of the rollers A, A, and P, and the connecting straps F, F, the hinged straps G, G, and the small roller connection N, as set forth.

No. 3849. GEORGE SCOTT, Montreal, Que., 21st September, 1874, for 5 years: "Clothes-line Pulley and Fastener." (Poulie et ajustage des lignes d'étendage.)

Claim.—1st. The bed-plate *a*, with projecting lugs; 2nd. The cam shaped lever *b*; 3rd. The shoave pulley *c*, in combination with the bed-plate *a*, and lever *b*, put together by pins or other suitable device, as described.

No. 3850. JAMES P. MACLEAN, Brooklyn, N. Y., U. S., 21st September, 1874, for 5 years: "Corset Clasp." (Agraffe de corset.)

Claim.—1st. The wire bush or clasp A, provided with hooks and eyes 1, 2, 3, 4, forming integral parts of the same; 2nd. In combination with the wire clasp A, constructed as described, the strengthening strips S, S, arranged as set forth.

No. 3851. DAVID LOCKHEAD, Hochelaga, Que., 21st September, 1874, for 5 years: "Mowing and Reaping Machine." (Faucheuse-moissonneuse.)

Claim.—1st. The combination of the axle *c*, with gears and pinions in contradistinction to bevel gearing; 2nd. The inclined cutters *c*, constructed, arranged and operating as set forth; 3rd. The combination of the chair *az*, with frame *az*, whereby the bar *az*, is placed at a distance behind its axis *d*; 4th. The combination of the frame *az*, with ball and socket joint *k*, on the inside and spindle *l*, with cam projection *m*; 5th. The bar *at*, in combination with *c*, and *d*.

No. 3852. THOMAS HAYNES, Kansas, Mo., U. S., 23rd September, 1874, for 5 years: "Oil Box." (Boite à huile.)

Claim.—1st. The combination of the axle A, disc G, scraper M, and bearing B, all working together as described; 2nd. The combination of the axle A, disc G, scraper M, yoke K, bearer O, and spring P, all working together as described; 3rd. The combination of the axle A, pin F, washer H, and yoke K, as described.

No. 3853. JAMES L. SPRAGUE, Hermans N. Y., U. S., 25th September 1874, for 5 years: "A Churn." (Une baratte.)

Claim.—The dashers D, arranged spirally on the shaft C, having their blades set obliquely to the line of shaft and converging from the ends to the centre as set forth.

No. 3854. HENRY WELLINGTON, New York, U. S., 23rd September, 1874, for 5 years: "Hydro-Carbon Burner." (Bec à gaz.)

Claim.—1st. A metallic tubular standard forming a support to the burner and a reservoir, retort and gas cushion for eliminating Hydro-carbon gases from fluids when heated by this burner; 2nd. A burner so constructed that the fluid is made to pass immediately around the points of combustion thence to the mixing chamber where the flow and admixture of gases are regulated by a screw and key; 3rd. The combination of the standard reservoir and its burner for the practical, safe and efficient use of Hydro-Carbon gases, and admixtures for illumination and signalling as described, without packing of any kind.

No. 3855. JOHN CURRIE, St. Thomas, Ont., 25th September, 1874, for 5 years: "Improvements on Gang Ploughs." (Perfectionnements aux charrues à socs multiples.)

Claim.—1st. The wooden frame A, constructed as described; 2nd. The lever E, in combination with the arm E, G; 3rd. The lever I, in combination with the slotted plate J, and wheel H.

No. 3856. HENRY CARTER, Malahide, Ont., 25th September, 1874, (Extension of Patent No. 89) for 5 years: "Ditching Machine." (Machine à fossoyer.)

Claim.—1st. The cogs or spikes fixed on the face of the drum; 2nd. The short cogs on the outer edge of the cutting flanges; 3rd. The pivoted concave cutting spade or knife and the peculiar shape of the point of the same; 4th. The brace and stay with pin spring catches and set screw for moving and regulating the adjustable handles and spade; 5th. The truck with its upright plates or posts and bolts; 6th. The mould board or scoop with slots in the bottom; 7th. The lugs and moveable block to receive the pole and 8th. The combination of the several parts in conjunction with the wheel or drum and the cutting flanges.

No. 3857. EVANGELISTE LAVIGNE, Quebec, Que., 25th September, 1874, (Extension of patent No. 37), for 5 years: "A Swing." (Une balançoire.)

Claim. The mechanical arrangement of the arms E, E, and their mode of working, the platform frame H, and the manner in which the arms are secured to it; The holdback, K, and platform G, where the feet rest, the whole working together as described, without the assistance of exterior power.

No. 3858. ANDREW KENNEDY, East Zorra, Ont., 25th September, 1874, (Extension of Patent No. 26), for 5 years: "Land Roller." (Rouleau d'agriculture.)

Claim.—1st. The manner of constructing hollow-rollers which are made of wood with iron heads; 2nd. The manner of connecting the rollers to the roller frames, so that the rollers can be weighted to any required pressure and at the same time work freely and independently of each other; and 3rd. The use of the steel springs at the outside heads of the roller so as to give a sufficient lateral play to the rollers.

No. 3859. BENJAMIN F. ULMER, Savannah, Ga., U. S., 25th September, 1874, for 5 years: "Medical Compound for Liver Complaint." (Composition médicale pour les maladies du foie.)

Claim.—The medical compound consisting of ground dandelion, butter-nut bark, senna, serpentaria, star-aniseed, fennel seed and coriander seed, mixed thoroughly and moistened with pure glycerine water and cologne spirits as specified.

No. 3860. JOHN GORDON, St. Catherines, Ont., 25th September, 1874, for 5 years: "Machine for separating and grading wheat." (Machine à séparer et assortir le blé.)

Claim.—The combination of suction spout A, fan C, and discharge spout D, valve B, drop E, coarse sieve F, carrier G, nopper H, oat sieve L, N, N, N, for light grain and M, P, for heavy grain, cockle sieves O, Q, Q, return boards R, and stops S, two to each sieve, suction spout T, with aperture valves V, and W, carrier boards Y, Z, and eccentrics *a*, and *b*, constructed as mentioned.

No. 3361. GEORGE SMITH, Clinton Ont., 25th September, 1874, for 5 years: "Improvements on a Machine for Driving Circular Saws." (Perfectionnements à une machine à faire mouvoir les scies circulaires.)

Claim.—1st. The combination of the inner and outer circles A, A, and B, B; 2nd. The adjustability of the shaft *ac*, D, in any position; 3rd. The means of securing the position of the shaft D, by the clamp screw E.

No. 3862. CHARLES SCHULTZ, Preston, Ont., 25th September, 1874, for 5 years: "Improvements in Wheels." (Perfectionnements dans les roues.)

Claim.—1st. The tire G, fashioned with a convex working face, or tread and having a corresponding concave inner felloe bearing on face; 2nd. The tire G, in combination with the felloe H; 3rd. The roller B, with projecting bands B, in combination with the roller C, with grooves C, arranged and operating as described.

No. 3863. GEORGE R. SHEPARDSON, La Crosse, Wis., U. S., 25th September, 1874, for 5 years: "Lath Bundling Machine." (Machine à lier la latte.)

Claim.—1st. The pivoted jams C, C, provided with the arms D, D, in combination with the levers E, E, rod *d*; treadle G, standards B, B, having slots *e*, *e*, all constructed and operating as set forth; 2nd. The arms E, having an extending and contracting adjustment for giving a variable limitation to the jaws C, C, as set forth.

No. 3864. PETER HUFF, East Gwillimbury, Ont., 25th September, 1874, for 5 years: "Cattle Poke." (Carcan de bétail.)

Claim.—The iron axle D, breast block C, spring E, jointed and adjustable tongue B, and adjustable bow A.

No. 3865. JOSEPH PARKER, Toronto, Ont., 25th September, 1874, for 5 years: "Machine for Heating and Applying Wax to Thread." (Machine à chauffer la cire et l'appliquer au fil.)

Claim.—A wax heater consisting of the outer shell B wax receptacle B, with water and steam chamber D, between, and fire chamber *b*; 2nd. The thread place E, with rubber packing F, thumb screw *f*, bridging piece F, lugs A, guide G, in combination with the wax receptacle B; 3rd. The application to the tension wheel *a*, tension piece *a*, sliding piece A₃, and other operative and inoperative parts of sewing machines in which waxed thread is