

No. 6504. Improvements on Anchors.*(Perfectionnements aux ancres.)*

Joseph Williams, Jurettown, Pa., U. S. (Assignee of Joseph S. Williams), 6th September, 1876, for 5 years.

Claim.—1st. Limiting the motions of swivelled or pivoted flukes by means of a rigid connection or connections secured to the flukes and adapted to bear against the shank of the anchor. 2nd. The flukes B B swivelled or pivoted to the shank of the anchor and having a transverse rigid connection E.

No. 6505. Fence Post. (Pieu de clôture.)

Edward J. Major (Assignee of Frank O. Wood), Montreal, Que., 6th September, 1876, for 5 years.

Claim.—A fence post of sheet, wrought or cast metal, the section of which is a line having a single double, triple or multiple curve or bent to one or more angles and having its ends apart.

No. 6506. Stench Trap. (Puisard.)

John M. Reid, New-York, U. S., 6th September, 1876, for 5 years.

Claim.—1st. The trap shown cast in lead or other analogous easily fusible metal with a single partition wall between the pipes A and C forming the inverted dam and being common to both pipes. 2nd. The trap cast in lead or other easily fusible metal in which the intermediate pipe C is made straight from its upper open end to the half circle bend at the bottom that communicate with the pipe A and communicating with the discharge pipe B by a quarter circle bend near its upper end. 3rd. A stench trap in which the discharge pipe B is so placed, in relation to the inlet pipes A and intermediate pipe C that a vertical plane projected through the centre of B to the centre of C will form an angle with the plane that passes through the centre of A and C. 4th. The core c and d in combination with the blocks f f and g introduced at the bend of the pipes. 5th. The combination of the blocks f and g provided with the dovetail grooves j and the key i. 6th. The swinging loop o and key or pin n in combination with the cores d and e.

No. 6507. Twine Waxing Compound.*(Composé pour cirer la ficelle.)*

Raymond Blakiston and William C. Blakiston, Quebec, Que., 6th September, 1876, for 5 years.

Claim.—A compound consisting of bees wax, rosin and palm oil.

No. 6508. Improvements on Autographic Printing.*(Perfectionnements dans l'impression autographique.)*

Thomas A. Edison, Menlo Park, N. J., U. S., 6th September, 1876, for 5 years.

Claim.—1st. The tube a with a tapering end, in combination with a puncturing needle and mechanism for reciprocating the same; 2nd. The portable performing instrument for writing or drawing composed of a tube or stock with a small end similar to a pen and perforating needle and means for reciprocating such needle rapidly. 3rd. The method of printing in permanent semi-fluid ink by puncturing a sheet of paper or similar material with numerous small holes, filling such holes with a semi-fluid ink and pressing the same upon the surface to be printed; 4th. The swinging frame u and paper holding clamps l in combination with the bed t for receiving and holding the sheet of perforated paper and the sheet to be printed; 5th. The combination with the revolving magnetic motor pen holder a and puncturing needle c of the cam d having three or more points; 6th. The combination with the portable hand perforating instrument having an electro-magnetic motor of a flexible conductor and a battery; 7th. The portable galvanic battery composed of cells in a stand with a pole supporting rod latch and cross-head, in combination with flexible conductors, a magnetic motor and a perforating pen. 8th. The ink for autographic printing composed of printers ink thinned out with castor oil. 9th. The pen tube a provided with the handle a in combination with the perforating needle and electro or other motor for actuating the same. 10th. The needle c guided in the short tube b and connected to the rod C by the lever a in combination with the tube and motor for actuating the needle. 11th. The letter or characters for a type writing machine made of needle points for puncturing paper or other material for printing.

No. 6509. Fare Register.*(Régistre de billets de passage.)*

George Beadle, Syracuse, N. Y., U. S., 6th September, 1876, for 5 years.

Claim.—1st. The ratchet registering wheels C D E and F made with the flanges c₁ and c₂ with gaps or openings e₁ and e₂ therein, and with the spring devices v for preventing their movement backward; 2nd. The actuating mechanism composed of lever H having pawls k m n and o, located thereon and operated thereby, connections x x₁ and y and spring t; 3rd. The combination of the ratchet registering wheels C D E and F, flanges c₁ and c₂, gaps or openings e₁ and e₂ with the lever H, the pawls k m n and o, connections x and y, spring t and spring t; 4th. The combination of the bell I, with the striking mechanism composed of the yoke located over lever H, shoulder z, cam z on the end of lever H with its bell hammer p and springs y and b; 5th. The combination of the registering wheels C D E and F, flanges c₁ and c₂, gaps or openings e₁ and e₂ and the springs for preventing any movement of the wheels backward with the bottom B, rims a at a₁ and hub f.

No. 6510. Broad-cast Sower Attachment to Seed Drills.*(Ajustage de semoir à la volée aux labourers.)*

Wareham S. Wisner, Brantford, Ont., 6th September, 1876, for 5 years.

Claim.—1st. The dovetail sockets G fastened on axle, the dovetail I on metal tubes H, the branch tube K on tube H to receive the grain from distributors on seed box. 2nd. The bar M which carries bars N and cultivator teeth O, bar M being fastened to drill frame by bolts so as to be easily detached.

No. 6511. Process and Apparatus for Tanning. (Procédé et appareil de tannage.)

Philippe J. Dussand and Joseph Duchez, Bordeaux, Fr., 6th September, 1876, for 15 years.

Claim.—An apparatus employed in tanning under pressure composed of a closed vat or cylinder having arranged with a false bottom to receive the hides, &c., together with perforated pipes and provided with inlet outlet, pressure and air pipes.

No. 6512. Grindstone Frame.*(Bâti de meule à aiguïser.)*

George A. Whitney, LaGrange, Ohio, U. S., 6th September, 1876 for 5 years.

Claim.—The arches A A bent from one piece of wood united with the cross bars B B, bolt C and rails D D.

No. 6513. Ear Muffler. (Oreilles.)

Hermin G. Creviering (Assignee of Butler Edgar), Espy, Pa., U. S., 6th September, 1876, for 5 years.

Claim.—The ear muffler A having the frames C C and tube B combined.

No. 6514. Invalid Bedstead. (Couchette de malade.)

Walter Spauner, Toronto, Ont., 7th September, 1876, for 5 years.

Claim.—1st. An invalid bedstead A constructed with an adjustable movable extension bolster board B and bottom C, the combination thereof with the fold over table D with book rest d'. 2nd. An invalid bedstead A constructed with an adjustable movable extension bolster board B and bottom C, the combination thereof with the hinged racks K K back guide K₁, sliding catch K₂, axle K₃, arms K₄, links b₁ b₂ b₃, axle L, pinions L₁ L₂, wheel f, endless screw e, bevel wheels g h and axle m with handle M; 3rd. An invalid bedstead A constructed with an adjustably movable extension bolster board B, bottom C and pad f with holder z, the combination thereof with the mattress E with aperture E₁, pad E₂ and slide ways w w.

No. 6515. Preserving Animal and Vegetable Matters.*(Conservation des substances animales et végétales.)*

Frederick S. Barn, Kilburn, Eng., 7th September, 1876, for 5 years.

Claim.—1st. The employment for effecting the preservation of animal and of vegetable matters of the lower oxides of manganese, such oxide or oxides being capable of absorbing oxygen and becoming converted into higher oxides; 2nd. The employment for effecting the preservation of animal and of vegetable substances of the lower oxides of manganese and of iron in conjunction with a diluent; 3rd. The employment for effecting the preservation of animal or of vegetable matters of organic salts or compounds which are capable of absorbing oxygen such for example as the tannats, gallates, pyrogallates, or analogous bodies, either employed alone or when contained in vegetable or other matter.

No. 6516. Four Wheeled Vehicle.*(Voiture à quatre roues.)*

William Buckeridge, Port Huron, Mich., U. S., 7th September, 1876 for 5 years.

Claim.—1st. The friction rollers F journaled on the rear axle L, and supporting the wagon box M. 2nd. The bars I fixed to the under side of the wagon box and vertical rollers K journaled to the rear axle by brackets c or ribs e, for retaining the wagon box from lateral motion; 3rd. The web formed of two parts A B jointed contiguous to the front hounds and rigidly connected to the front and rear axles respectively, the wagon body M pivoted to the front axle supported at its rear end by friction rollers F. 4th. The wagon body M, constructed with bent sills and bottom at d. 5th. The square catch king bolt o and guides N.

No. 6517. Water Tube Steam Boiler.*(Chaudière à vapeur tubulaire.)*

William R. Parks and Robert L. Goddard, Palmer, Mass., U. S., 7th September, 1876, for 5 years.

Claim.—The combination of the furnace A having flues E F G therein, the pipe coil a extending through said flues, the water and the steam chamber B located between the grate e and the coil a and wholly below the coil and the pipe o, connecting said coil with the lower part of the water and steam chamber B.

No. 6518. Improvements on Steam Generators. (Perfectionnements aux générateurs de vapeur.)

Joseph Firminich, George Firminich and Frank Firminich, Buffalo, N. Y., U. S., 7th September, 1876, for 5 years.

Claim.—1st. The combination with a series of mud drums A of a series of steam and water drums D connected by the heating tubes C and the fire grate or full surface S arranged between the mud drums; 2nd. The circulating tubes connecting the steam and water drums with the mud drums outside of the combination chamber; 3rd. The combination of the front communicating chamber or its equivalent and rear chamber. 4th. The combination with the mud drums A having the flue sheet B of the series of heating tubes C, steam and water drums D with the connections E steam drum F, and the setting of the steam generator consisting of the front and rear walls L and partition M.