
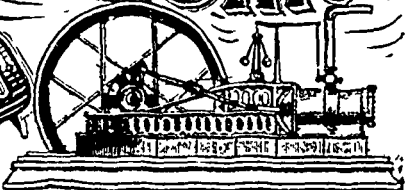


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CONTENTS.

INVENTIONS PATENTED	103
INDEX OF INVENTIONS	CVII
INDEX OF PATENTERS	CVIII
ILLUSTRATIONS	109

INVENTIONS PATENTED.

No. 7485. Improvements on Hay Presses.

(Perfectionnements aux presses à foin.)

Peter K. Dederick, Albany, N.Y., U.S., 18th May, 1877, for 5 years.
Claim.—1st. The combination of the worm wheel C with one or more cranks D, pitman E and traverser, 2nd. The worm shaft and worm B, provided with a balance wheel, in combination with worm wheel C and crank or cranks; 3rd. The returners h i, either singly or together, and secured to the side of a baling press.

No. 7486. Reefing Fore-and-Aft Sails of Vessels.

(Mode de carguer les voiles auriques des vaisseaux.)

John W. Sharret, Portsmouth, Va., U.S., 18th May, 1877, for 5 years.
Claim.—1st. The mainsail of a vessel provided with a diagonal ridge band upon which the gull is secured, in the act of reefing, by a branch of the brail which reefs the said sail, 2nd. The main-sail M and the reef N having eyes m n in them through which the braills cross each other. 3rd. The braills Q q having branches q q. 4th. The combination of the main portion G of the jib, the bonnet H, the half-yards g h, down haul G and the braills K K. 5th. The jib made of two triangular sections, said sections being united together by lacing and both operated together, or the upper one independently of the lower one.

No. 7487. Improvements on Oil Stoves.

(Perfectionnements aux poeles a petrole.)

Hezekiah P. Malone, Cleveland, Ohio, U.S., 18th May, 1877, for 5 years.
Claim.—1st. The combination of reservoir B provided with supplemental air chamber Bz, wick tube or tubes F, pipes C E and chamber D, the latter furnished with a loose cover; 2nd. The combination with pipe E having two or more wick tubes secured thereto, of an oil reservoir B, supplemental chamber Bz and cock G, and cock or pipe Bz; 3rd. The combination of reservoir B, chamber Bz, pipe C and cock Cz Bz; 4th. The combination of the feed port Bz of the perforated cylinder H; 5th. The combination with an oil stove of a reservoir which is air tight when not in use.

No. 7488. Improvements on Vehicles.

(Perfectionnements aux voitures.)

Jeremiah Murphy, Huntington, Que., 18th May, 1877, for 5 years.
Claim.—1st. The double clip A having king bolt D integrally formed therewith, in combination with a bolster F having a sleeve G receiving the bolt; 2nd. The combination of the bolt D having tit E, and bolster sleeve F G having V-groove for holding the parts pivotally when connected; 3rd. The bolster F having a recessed enlargement and bearing for the tit E of the bolt D, and the projections H H to keep the plate when screwed to the head block.

No. 7489. Bolt and Rivet Cutter.

(Machine à couper les boulons et rivets.)

William C. Carlton, Boise City, Idaho, U.S., 18th May, 1877, for 5 years.
Claim.—1st. A bolt or rivet cutter constructed in two sections one consisting of a frame or casing in which are secured and hung the operating handles or levers, the other of a casing carrying the cutting blades and their arms, the two sections being pivoted and secured together by means of suit-

able projections through which the pivots are passed enabling the section carrying the cutting blades to be turned at any angle to the right or left and operated thereat in the manner set forth. 2nd. The combination of the casing B carrying the fixed cutting blade and arm A and movable cutting blade and arm C pivoted therein, and provided with returning spring d and the casing D carrying the fixed arm F and movable lever G pivoted therein, the two parts being pivoted together by means of projections of B Bz and pins m n.

No. 7490. Machine for Cutting Nails.

(Machine à couper le clou.)

Oliver P. Cobb, Aurora, Ind., U.S., (Assignee of Worcester Haddock), 18th May, 1877, for 5 years.

Claim.—1st. The combination of the saddle A, bristles B C, gauges E F and cutting lever G, 2nd. The combination of the lever H, spring I, adjusting screw J and nail nipper K, 3rd. The combination of the die box L, bed piece M and adjusting holding piece N, 4th. The crank disk O, wrist pin P, screws A A Bz and nut nuts C D F, 5th. The combination of the subject matter of the foregoing claims with the automatic nail plate feeding device.

No. 7491. Improvements on Sewing Machines.

(Perfectionnements aux machines à coudre.)

John S. Hall, Monterey, Cal., U.S., 18th May, 1877, for 5 years.

Claim.—1st. The combination, together in one instrument, of a shuttle and needle, the former provided with a bobbin and tension, and the needle pivoted to its face and made of a suitable curve to operate in the manner described, produce an overhand stitch with a single thread, 2nd. The combination, with the needle and shuttle above claimed, of the looper F to carry the loop of the shuttle thread down below the point of the shuttle; 3rd. In combination with the shuttle and needle above claimed, the take up lever G constructed and operated in the manner described; 4th. The cloth plate C with its projecting ledge e, as supported for the needle c and slots to hold and strip the cloth from the needle when combined with the needle and shuttle above claimed; 5th. The overhand stitch formed of a single thread with its loops, laid in the manner described, when produced by means of the mechanism or equivalent.

No. 7492. Improvement on Locks.

(Perfectionnement des serrures.)

Elisha Moore, Canterbury, N.B., 18th May, 1877, for 5 years.

Claim.—1st. The double catch W on the hasp A. 2nd. The combination of the dogs B C, 3rd. The springs.

No. 7493. Improvements on Snow Fences.

(Perfectionnements aux clôtures d'hiver.)

John C. Steele Alma and James W. Anderson, Elora, Ont., 18th May, 1877, for 5 years.

Claim.—The combination of posts B with slots a d therein, in combination with panel G with top board I and bottom board E projecting, also cap C in combination with post B.

No. 7494. Art of Compounding Cements.

(Art de composer les ciments.)

Samuel Otley and James Otley, Chicago, Ill., U.S., 18th May, 1877, for 5 years.

Claim.—A cement composed of bitarage, yellow ochre, Paris white, plumbago, brick dust and mineral paint, compounded in the proportions and manner set forth.

No. 7495. Rein Supporter.

(Porte-guides.)

Joseph I. Ryder, Heshborough, Me., U.S., 18th May, 1877, for 5 years.

Claim.—A rein guard or supporter placed on a supporting standard or standards of the vehicle shaft or shafts and bent of one continuous piece of metal into a central guide piece b, eyes a and guard tongues d.