

# Lists of Patents issued up to 18th July, 1877, but not yet Officially published in the Patent Office Record.

- No. 7566. H. Redden, New York, U.S.A., "Bag Fastener," 23rd June, 1877.
- No. 7567. R. B. Sheldon, Shortsville, N.Y., U.S.A., "Hay Rake," 23rd June, 1877.
- No. 7568. W. Biggar, and G. Murwin, Fulton, Wis., U.S.A., "Feather Renovator," June 23rd, 1877.
- No. 7569. H. G. Hubbard, Placerville, Cal., U.S.A., "Solder Wire," 23rd June, 1877.
- No. 7570. F. W. Sullivan, Newark, N.Y., U.S.A., "Nut Lock," 23rd June, 1877.
- No. 7571. E. B. Beer, Sussex Vale, N.B., "Improvements on the Wimbledon and Brunel Targets, and Signalling Apparatus," 23rd June, 1877.
- No. 7572. W. W. Gary, Huntingdon, Penn., U.S.A., "Electric Motor," 23rd June, 1877.
- No. 7573. J. Chase, Rochester, N.Y., U.S.A., "Window Shade Fixture," 23rd June, 1877.
- No. 7574. A. B. Shaw, Medford, Mass., U.S.A., "Curtain Fixture," 23rd June, 1877.
- No. 7575. G. Bellamy, Newtonville, Ont., "Waggon," 23rd June, 1877.
- No. 7576. H. Elbe, Niagara Falls, N.Y., U.S.A., "Fire Escape," 23rd June, 1877.
- No. 7577. I. H. Allen, Black Creek, Ont., "Fire Escape Ladder," 23rd June, 1877.
- No. 7578. G. W. Pitt, London, Ont., "Safety Key Lock," 23rd June, 1877.
- No. 7579. J. Bates, Thornbury, Ont., "Combined Table and Clothes Dryer," 23rd June, 1877.
- No. 7580. F. C. Long, Detroit, Mich., U.S.A., "Process of Enamelling Photographs and other articles," 23rd June, 1877.
- No. 7581. M. Palmer, Hamilton, Wis., U.S.A., "Middlings Separator," 23rd June, 1877.
- No. 7582. H. C. Cone, Chicago, Ill., U.S.A., "Combined Line-sized Wood and Paper Parcelling Dish," 23rd June, 1877.
- No. 7583. B. Holland, and R. D. Kennedy, Hamilton, Ont., "Metal Coil Piston Packing," 23rd June, 1877.
- No. 7584. R. S. Penniman, North Village, Adams' Town, Mass., U.S.A., "Process for the Saving of Residual Acids in the Manufacture of Nitro-glycerine," 25th June, 1877.
- No. 7585. G. W. Atkins, and J. D. Harris, Noble's Lake, Ark., U.S.A., "Lap Ring," 25th June, 1877.
- No. 7586. W. Murray, Vicksburg, Miss., U.S.A., "Fireman's Protecting Apparatus," 25th June, 1877.
- No. 7587. A. N. Aubin, Montreal, Que., "Steam Gas Generator," 25th June, 1877.
- No. 7588. N. P. Otis, Yonkers, N.Y., U.S.A., "Oscillating Joint for Machinery," 25th June, 1877.
- No. 7589. J. S. Williams, Riverton, N.Y., U.S.A., "Railway Crossing Switch," 25th June, 1877.
- No. 7590. S. May, Toronto, Ont., "Coal Oil Chandelier for Lighting Billiard Tables," 25th June, 1877.
- No. 7591. E. W. Bateman, Hamilton, Ont., "Bread Making Process," 25th June, 1877.
- No. 7592. M. M. Kellar, London, Ont., "Feather Renovating Machine," 25th June, 1877.
- No. 7593. T. McDonald, Toronto, Ont., "Canister," 25th June, 1877.
- No. 7594. J. Shacleton, Toronto, Ont., "Sand Papering Machine," 25th June, 1877.
- No. 7595. Rev. L. Pulliam, Knob Noster, Miss., U.S.A., "Waggon Spring," 25th June, 1877.
- No. 7596. J. E. Gridley, Saint Paul, Minn., U.S.A., "Heating Stove," 25th June, 1877.
- No. 7597. J. D. McDermaid, Rockford, Ill., U.S.A., "Churn," 25th June, 1877.
- No. 7598. P. Protherve, Surbiton, England, "Anchor," 25th June, 1877.
- No. 7599. J. Forbes, Jr., and W. E. Forbes, Plainwell, Mich., U.S.A., "Spring Bed Bottom," 25th June, 1877.
- No. 7600. C. Taylor, Montreal, Que., "Horse Shoe," 25th June, 1877.
- No. 7601. H. Gilmore, Simcoe, Ont., and J. Heatte, Charlottetown, Ont., "Force and Lift Pump," 4th July, 1877.
- No. 7602. S. L. Rockfellow, Rochester, N.Y., U.S.A., (Assignee of A. Button, East Saginaw, Mich., U.S.A.), "Grocer's Scoop," 4th July, 1877.
- No. 7603. J. B. Lanier, St. Athanasie, Que., "Wax Taper Machine," 4th July, 1877.
- No. 7604. C. King, Pittsburg, Penn., U.S.A., "Dental Plugger," 4th July, 1877.
- No. 7605. R. J. Stead, Lanark, Ont., and W. Moore, Carpe, Ont., "Wind Wheel," 4th July, 1877.
- No. 7606. B. B. Hotchkiss, New York, U.S.A., "Breech Loading Fire-arm," 5th July, 1877.
- No. 7607. C. H. Parker, and J. W. Luggett, Cortland, N.Y., U.S.A., "Oar for Rowing Boat," 5th July, 1877.
- No. 7608. M. Lescarbau, Côte St. Louis, Que., "Pump," 5th July, 1877.
- No. 7609. R. S. Galbraith, and W. Snow, Montreal, Que., "Umbrella and Case," 5th July, 1877.
- No. 7610. A. Young, St. John, N.B., "Combination Iron and Slate Mantel," 5th July, 1877.
- No. 7611. J. N. Smith, Jersey City, N.Y., U.S.A., "Railway Car Axle Box and Boiler," 5th July, 1877.
- No. 7612. P. K. Dederick, Albany, N.Y., U.S.A., "Hay Press," (Extension of Patent No. 1657), 5th July, 1877.
- No. 7613. P. K. Dederick, Albany, N.Y., U.S.A., "Hay Press," (Extension of Patent No. 1657), 5th July, 1877.
- No. 7614. P. K. Dederick, Albany, N.Y., U.S.A., "Baling Press," (Extension of Patent No. 3391), 5th July, 1877.
- No. 7615. P. K. Dederick, Albany, N.Y., U.S.A., "Baling Press," (Extension of Patent No. 3391), 5th July, 1877.
- No. 7616. A. R. Appleman, Washington, D.C., U.S.A., (Assignee of A. Miller, Plagerstown, Md., U.S.A.), "Clover Seed Hulling Machine," 10th July, 1877.
- No. 7617. J. M. Might, and C. W. H. Taylor, Toronto, Ont., "Pen," 10th July, 1877.
- No. 7618. H. Turner, and C. French, St. John's, Que., "Fire Escape Ladder and Truck," 10th July, 1877.
- No. 7619. J. B. Sammis, New York, U.S.A., (Assignee of G. Leverich, Brooklyn, N.Y., U.S.A.), "Elastic Hub," (Re-issue of Patent No. 5289), 10th July, 1877.
- No. 7620. G. Moreau, Victoriaville, Que., "Stove," 12th July, 1877.
- No. 7621. J. L. Griffin, Eastport, Maine, U.S.A., "Packing Case for Transporting Fish," 12th July, 1877.
- No. 7622. C. Powell, Newton Brook, Ont., "Pump," (Extension of Patent No. 1563), 16th July, 1877.
- No. 7623. D. Maxwell, Paris, Ont., "Straw Cutter," (Extension of Patent No. 1558), 16th July, 1877.
- No. 7624. H. K. Flagler, Boston, Mass., U.S.A., (Assignee of J. B. Root, New York, U.S.A.), "Metal Pipe and Tube," 16th July, 1877.
- No. 7625. J. K. Somes, and L. R. Waite, Springfield, Mass., U.S.A., "Bas Measure," 16th July, 1877.
- No. 7626. W. H. Patten, Clockville, N.Y., U.S.A., S. P. Young and C. D. Young, Niagara Falls, N.Y., U.S.A., "Rake," 16th July, 1877.
- No. 7627. E. L. Byron, Moes River, Que., and S. Jameson, Compton, Que., "Hand Truck," 16th July, 1877.
- No. 7628. D. Rodgers, St. Louis de Gonzague, Que., and R. Brickerdike, Montreal, Que., "Screw Propeller," 16th July, 1877.
- No. 7629. F. Roach, Havelton, N.Y., U.S.A., and H. Dark, Gouth Gower, Ont., "Milk Cooler," 16th July, 1877.
- No. 7630. J. B. Sammis, (Assignee of G. W. Hayes, New York, U.S.A.), "Elastic Hub and Axle Box for Wheels of Vehicles," 16th July, 1877.
- No. 7631. W. Randel, J. W. Clipperly, J. C. Cole, and T. E. Haslehurst, Troy, N.Y., U.S.A., "Button Hole Attachment for Sewing Machine," 16th July, 1877.
- No. 7632. J. A. Caldwell, (Assignee of S. Adlam, Jr., Boston, Mass., U.S.A.), "Hose Strap," 16th July, 1877.
- No. 7633. L. Nicol, and M. Côte, Sherbrooke, Que., "Meat Chopper," 16th July, 1877.
- No. 7634. J. B. Sammis, (Assignee of G. W. Hayes, New York, U.S.A.), "Elastic Hub and Axle Box for Wheels of Vehicles," 16th July, 1877.
- No. 7635. W. J. Stevens, New York, U.S.A., "Air-Brake Coupling," 16th July, 1877.
- No. 7636. E. Wasell, Digby, N.S., "Railway Rail Pier," 16th July, 1877.
- No. 7637. R. Lade, Waterloo, Ont., "Gang Plow," 16th July, 1877.
- No. 7638. L'V. W. Noyes, Batavia, Ill., U.S.A., "Hay Carrier," 16th July, 1877.
- No. 7639. J. A. Caldwell, Boston, Mass., U.S.A., "Hose Strap Fastener," 16th July, 1877.
- No. 7640. E. P. Walker, Belcherstown, Mass., U.S.A., "Butter Worker," 16th July, 1877.
- No. 7641. I. C. G. Rice, Cambridge, Mass., U.S.A., "Inking Apparatus for Printing Presses," 16th July, 1877.
- No. 7642. J. Heard, Strathroy, Ont., "Stone Walling," 16th July, 1877.
- No. 7643. H. Atkinson, Etchemin, Que., "Apparatus for Preparing Timber for Shipment," 16th July, 1877.
- No. 7644. M. Gelston, East Haddam, Conn., U.S.A., "Cigar," 16th July, 1877.
- No. 7645. J. Wertheim, Bernheim, Germany, "Atmospheric Gas Engine," 16th July, 1877.
- No. 7646. T. Guerin, San Francisco, Cal., U.S.A., "Sewer Trap," 16th July, 1877.
- No. 7647. D. Conroy, Uxbridge, Ont., "Seat for Buggies and other Vehicles," 16th July, 1877.
- No. 7648. R. Mowry, Ashburnham, Ont., W. Forsythe, Ashburnham, Ont., and G. McCannon, Otonabee, Ont., "Grain Threshing Machine," 16th July, 1877.
- No. 7649. A. Tenner, Cincinnati, Ohio, U.S.A., "Fire Extinguishing Compound," 16th July, 1877.
- No. 7650. J. C. Brightman, Fall River, Mass., U.S.A., "Horse Shoe," 16th July, 1877.
- No. 7651. W. J. Holton, and J. E. Field, Brooklyn, N.Y., U.S.A., "Pencil," 16th July, 1877.