

No. 11,777. Julia C. Smith, of Ashton, Ill., "Washing Machines," patented Sept. 17th, 1880.

No. 11,778. Wm. E. Lincoln, of Warren, Mass., "Apparatus for Obtaining Cream from Milk," patented Sept. 17th, 1880.

No. 11,779. Alma B. Richmond, of Meadville, Penn., "Locks," patented Sept. 17th, 1880.

No. 11,780. Henry Richmond and Uriah K. Arnold, San Francisco, Cal., "Rock Drilling Apparatus," patented Sept. 17th, 1880.

No. 11,781. Francis R. Dubuc, and Moise Patenaude, of Ange Gardien, "Procédé de Foule les Fers," breveté le 17 Sept., 1880.

No. 11,782. Joseph W. Batty, of Baltimore, and Garland H. Davison, of Baltimore, "Bearing for Mill Stones," patented Sept. 17th, 1880.

No. 11,783. Fulton Henderson, of Toledo, "Incrustation Preventative," patented Sept. 17th, 1880.

No. 11,784. Lewis Baxter, of Brantford, Ont., "Bolting Chest Purifier," patented Sept. 20th, 1880.

No. 11,785. John Van Vorst Booraem, of Brooklyn, "Sugar Washing Process and Apparatus," patented Sept. 20th, 1880.

No. 11,786. Charles J. McCallum, of Warren, Me., "Rotary Valve," patented Sept. 20th, 1880.

No. 11,787. David Maxwell, of Paris, Ont., "Horse Rake" patented Sept. 20th, 1880.

No. 11,788. Nathaniel F. Brent and Elias R. Brown, of Chicago, "Car Coupler," patented Sept. 20th, 1880.

No. 11,789. Henry G. Ashton, of Somerville, Mass., "Safety Valve," patented Sept. 20th, 1880.

No. 11,790. Frederick G. Vedova, Asia Minor, "Tanning Hides and Skins," patented Sept. 20th, 1880.

No. 11,791. Richard J. Doyle, of Owen Sound, Ont., "Fruit Package," patented Sept. 20th, 1880.

No. 11,792. Charles Boeckh, Toronto, Ont., "Brushes," patented Sept. 20th, 1880.

No. 11,793. Obra Peck, of Rowe, Mass., "Bit Stocks," patented Sept. 20th, 1880.

No. 11,794. Jules J. Lenoir, of Turcoing, France, and E. Posselt & Co., of Bradford, England, "Dyeing Cotton Warps, and Aniline Black," patented Sept. 20th, 1880.

No. 11,795. Walter M. Jackson, of Providence, R. I., "Machines and Process for Curbetting Gas and Air," patented Sept. 20th, 1880.

No. 11,796. Wm. H. Thayer, of Ottawa, Ont., "Household Combination," patented Sept. 22nd, 1880.

No. 11,797. Stephen Webster, of St. Catharines, Ont., "Oil Tank," (Extension of Patent No. 5,195,) patented Sept. 22nd, 1880.

No. 11,798. Alexander Betts, of Warrensburg, Missouri, "Heating Stove," patented Sept. 23rd, 1880.

No. 11,799. Edwin Appleton, of Vienna, Ont., "Cultivator," patented Sept. 23rd, 1880.

No. 11,800. William S. McLeod, of Kingsville, Ont., "Hydraulic Pump," patented Sept. 23rd, 1880.

No. 11,801. Frederick E. B. Baumont, London, Eng., "Motor Engines," patented Sept. 23rd, 1880.

No. 11,802. Thomas H. Hicks, Brantford, Ont., "Medical Batteries," patented Sept. 23rd, 1880.

No. 11,803. Gilbert Merritt, Scotland, Ont., "Field Fences," patented Sept. 23rd, 1880.

No. 11,804. Henry Springer, Vicksburg, Mich., U. S. A., "Cultivators and Seeders," patented Sept. 23rd, 1880.

No. 11,805. William L. Fisher, South Saginaw, Mich., U. S. A., "Car Couplers," patented Sept. 23rd, 1880.

No. 11,806. Peter A. Ryckman, Duntroon, Ont., "Churns," patented Sept. 23rd, 1880.

No. 11,807. Donald McMillan and Henry R. A. Alves, Barrie, Ont., "Heater and Purifier," patented Sept. 23rd, 1880.

No. 11,808. George S. Woodruff, Toronto, Ont., "Gas Regulators," patented Sept. 23rd, 1880.

No. 11,809. Sir Henry Scholfield, Guatemala, "Apparatus for Drying Coffee," patented Sept. 23rd, 1880.

No. 11,810. Henry Whiteside, Sussex Vale, N. B., "Cot Beds," patented Sept. 23rd, 1880.

No. 11,811. Daniel Cilley, Grand Rapids, Mich., U. S. A., "Saw Mills," patented Sept. 23rd, 1880.

No. 11,812. James B. Bonsack, Bonsacks, Va., U. S. A., "Cigarette Machines," patented Sept. 23rd, 1880.

No. 11,813. Frank B. Howard, Etchmin, Que., "Washboards," patented Sept. 27th, 1880.

No. 11,814. Dosithé Duprat, Ste. Scholastique, Que., "Nut Locks," patented Sept. 27th, 1880.

No. 11,815. Hiram R. Ferris, Cleveland, Ohio, U. S. A., "Lifting Jacks," patented Sept. 27th, 1880.

No. 11,816. Alfred Monnier, San Francisco, Cal., U. S. A., "Explosive Compounds," patented Sept. 27th, 1880.

No. 11,817. Charles C. Keene, Marengo, Iowa, U. S. A., "Neck Yokes," patented Sept. 27th, 1880.

No. 11,818. Leslie E. Keeley, Dwight, Ill., U. S. A., "Glass Bottles," patented Sept. 27th, 1880.

No. 11,819. George Rosquist, Brooklyn, N. Y., U. S. A., "Drawing Apparatus," patented Sept. 27th, 1880.

No. 11,820. Caleb McK. Talcott, Hartford, Conn., Aaron W. C. Williams, Brookfield, Conn., and George J. Capewell, Cheshire, Conn., "Horseshoe Nails," patented Sept. 27th, 1880.

No. 11,821. Henry Helmka and James Clark, Bowmanville, Ont., "Windmill," patented Sept. 27th, 1880.

No. 11,822. Edwin J. Hardy, Buffalo, N. Y., U. S. A., "Street Sign," patented Sept. 27th, 1880.

No. 11,823. Francis Culham, Township of Burford, Ont., "Hub," patented Sept. 27th, 1880.

No. 11,824. Joseph Thorne, Port Richmond, N. Y., U. S. A., "Type Setter and Distributor," patented Sept. 29th, 1880.

No. 11,825. Robert Mitchell, Montreal, Que., "Screw Cutting Die Holder," patented Sept. 29th, 1880.

No. 11,826. Robert Mitchell, Montreal, Que., "Adjustable Gripping Check," patented Sept. 29th, 1880.

No. 11,827. John Bestwick, Dedham, Mass., U. S. A., "Hose Pipe," patented Sept. 29th, 1880.

No. 11,828. George B. Dixwell, Boston, Mass., U. S. A., "Steam Engines," (Extension of Patent No. 5,311) patented 29th Sept., 1880.

No. 11,829. Samuel Peters, Sydney, N. S., "Fastening Horse Collars," patented 29th Sept., 1880.

No. 11,830. William G. Hughes, Churnbusco, Indiana, U. S. A., "Wagon Spring," patented 29th Sept., 1880.

No. 11,831. William H. Bartels, Carthage, Ill., U. S. A., "Rocking Chairs," patented 29th Sept., 1880.

No. 11,832. Daniel N. Stewart, Cobourg, Ont., "Churn Dash Hinge," patented 29th Sept., 1880.

No. 11,833. Gregory S. Thompson, Port Hope, Ont., "Threshing Machines," (Extension of Patent No. 5,221) patented 30th Sept., 1880.

No. 11,834. Laurens E. Dewarn, Inventor, Philadelphia, Penn., U. S. A., (Extension of Patent No. 5,220) Jeremiah Fogarty and Timothy F. Fogarty, Assignees, patented 30th Sept., 1880.

No. 11,835. William Newlin, Attica, Indiana, U. S. A., "Wheel," patented 30th Sept., 1880.

No. 11,836. Mellen Bray, Newton, Mass., U. S. A., "Shoe Lace Studs," patented 30th Sept., 1880.

No. 11,837. Andrew McFarra, jr., and Charles Field, Toronto, Ont., "Sliding Seat," patented 30th Sept., 1880.

No. 11,838. Marion W. McCann, Dublin, Indiana, U. S. A., "Car Coupling," patented 30th Sept., 1880.

No. 11,839. Peter H. McIntosh, L'Original, Ont., "L'Original Can," patented 30th Sept., 1880.

No. 11,840. David Maxwell, Paris, Ont., "Feed Cutters," (Extension of Patent No. 5,234,) patented 2nd Oct., 1880.

No. 11,841. John Fleming, Toronto, Ont., "Leads and Slugs for Printing," (Extension of Patent No. 11,267) patented 2nd Oct., 1880.

No. 11,842. John Fleming, Toronto, Ont., "Leads and Slugs for Printing," (Extension of Patent No. 11,267,) patented 4th Oct., 1880.

No. 11,843. Henry S. Havill, Paris, Ont., Assignee of W. Barrett, Sedalia, Mo., U. S. A., "Straw Cutter," patented 4th Oct., 1880.

No. 11,844. George R. Prowse, Montreal, Q., "Boiler," patented 4th Oct., 1880.

No. 11,845. Chas. I. Becketl and P. M. Homier, Muncie, Indiana, U. S. A., "Mail Pouch," patented 4th Oct., 1880.

No. 11,846. Geo. Brooks, Detroit, Mich., U. S. A., "Fanning Mill," patented 4th Oct., 1880.

No. 11,847. S. G. Collinfield, Dresden, Germany, Assignee of N. Yagn, St Petersburg, Russia, "Feeding Apparatus, for Steam Boilers," (Extension of Patent No. 5,257,) patented 4th Oct., 1880.

No. 11,848. James Mallinson, Welwyn, Eng., (Extension of Patent No. 5,419,) patented 9th Oct., 1880.

No. 11,849. Charles W. King, and Alfred Cliff, London, Eng., "Gas and Air Motor Engines," patented 9th Oct., 1880.

No. 11,850. Thomas Hibbert, Cochran, Ind., U. S. A., patented 9th Oct., 1880.

No. 11,851. David Egbert Bangs, Medford, Mass., U. S. A., "Vapor Burners for Oil Stoves," patented 9th Oct., 1880.

No. 11,852. George W. Pressey, and Edwin L. Crowell, Hammon, N. J., U. S. A., "Velocipedes," patented 9th Oct., 1880.

No. 11,853. George W. Simmons, St. Catharines, Ont., "Gates and Doors," patented 9th Oct., 1880.

No. 11,854. Thomas Hibbert, Cochran, Ind., U. S. A., "Car Bumpers," patented 9th Oct., 1880.

No. 11,855. Jacob Cornwell, Cadillac, Mich., U. S. A., "Grain Process," patented 9th Oct., 1880.

No. 11,856. Frederick Benoit, Rockton, Ill., U. S. A., "Sweat Pads," patented 9th Oct., 1880.

No. 11,857. Thomas A. Edison, Menlo Park, N. J., U. S. A., "Electric Machines and Motors," patented 9th Oct., 1880.

No. 11,858. James McAllister, Chicago, Ill., U. S. A., "Sewing Machines," patented 9th Oct., 1880.

No. 11,859. William H. Stowe, Chicago, Ill., U. S. A., "Wood Pavement," patented 9th Oct., 1880.

No. 11,860. Augustus B. Wood, Hamburg, Ark., U. S. A., Moses A. Rice, Hamburg, Ark., U. S. A., and William A. Wood, Monticello, Ark., U. S. A., "Steam Engines," patented 9th Oct., 1880.

No. 11,861. David B. Comly, Adena, Ohio, U. S. A., "Stirrups for Saddles," patented 9th Oct., 1880.

No. 11,862. Jacob Ratz, Wilmot, Ont., "Waggon Racks," patented 9th Oct., 1880.

No. 11,863. Renselaer A. Cowell, Cleveland, Ohio, U. S. A., "Car Platforms," patented 9th Oct., 1880.

No. 11,864. Harvey Hall, London, Ont., "Fire and Water Proof Paint," patented 9th Oct., 1880.