

Patents issued up to 23rd November, 1881, Claims and Drawings of which will appear in a subsequent number of the Patent Record.

- No. 13,619. C. A. Lake, Lynn, Mass., "Button hole cutting machine," Nov. 4th, 1881.
- No. 13,620. A. K. Hebard, Cambridge, Mass., "Upright Piano-forte Action," Nov. 4th, 1881.
- No. 13,621. M. C. Armour, Chicago, Ill., "Stove," Nov. 4th, 1881.
- No. 13,622. S. S. Putnam, Boston, Mass., Nov. 4th, 1881.
- No. 13,623. R. H. Earle, St. Johns, Nfld., "Apparatus in Lowering and Raising Apparatus for Vessels," Nov. 4th, 1881.
- No. 13,624. H. B. Sheridan, Cleveland, Ohio, "Electrical Lamps," Nov. 4th, 1881.
- No. 13,625. H. A. Stone, Brooklyn, N. Y., "Cigar and Cigarette Holders," Nov. 4th, 1881.
- No. 13,626. J. McDougall, Montreal, Que., "Paint Mills," Nov. 4th, 1881.
- No. 13,627. J. T. Lloyd, Boston, Mass., "Stove Eduet," Nov. 4th, 1881.
- No. 13,628. B. D. Marks, Louisville, Ky., "Wood Bottle Wrapper," Nov. 4th, 1881.
- No. 13,629. W. S. Hutchinson, Chicago, Ill., "Steam Boiler," (Extension of Patent No. 6,721,) Nov. 4th, 1881.
- No. 13,630. T. Hoyt, (Assignee of E. Hoyt,) Stamford, Conn., "Chain Pump Bucket," (Extension of Patent No. 6,813,) Nov. 4th, 1881.
- No. 13,631. J. S. Bogle, T. L. Ludlow and Rodgers, Springfield, Ohio, "Spring Hoop," (Extension of Patent No. 6,808,) Nov. 4th, 1881.
- No. 13,632. J. A. Pease, West Medford, Mass., "Pumps," Nov. 8th, 1881.
- No. 13,633. B. A. Osgood, Wakefield, Mass., "Alcoholic Purifier," Nov. 8th, 1881.
- No. 13,634. G. F. Gear, Cleveland, Ohio, "Car Axle box Lubricator," Nov. 8th, 1881.
- No. 13,635. S. R. Thompson, Brookline, Mass., "Grain Cutting Mill," Nov. 8th, 1881.
- No. 13,636. M. D. Connolly, Philadelphia, T. A. Connolly, Washington, and T. J. McTigue, Pittsburgh, "Automatic Telephone Exchange," Nov. 8th, 1881.
- No. 13,637. J. Rigby, Montreal, Que., "Car Wheels," Nov. 8th, 1881.
- No. 13,638. O. F. Boomer and H. R. Rendall, Brooklyn, N. Y., "Vinegar Making Apparatus," Nov. 8th, 1881.
- No. 13,639. E. A. Bailey, St. Charles, Missouri, "Boots," Nov. 8th, 1881.
- No. 13,640. A. D. Roth, Blackheath, Kent, Eng., "Sea Safe," Nov. 8th, 1881.
- No. 13,641. T. S. Woodruff, Erie, Penn., "Fence Wire Fastener," Nov. 8th, 1881.
- No. 13,642. E. Kemper, Thornville, Ohio, "Hand Seeders," Nov. 9th, 1881.
- No. 13,643. P. Herdic, Philadelphia, Penn., "Two Wheel Vehicles," Nov. 9th, 1881.
- No. 13,644. P. Herdic, Philadelphia, Penn., "Vehicles," Nov. 9th, 1881.
- No. 13,645. E. G. Passmore, Philadelphia, Penn., "Pawl and Ratchet Devices," Nov. 9th, 1881.
- No. 13,646. C. S. Garrigus, Sandusky, Ohio, "Combination Tools," Nov. 9th, 1881.
- No. 13,647. T. Liddon, Yorkville, Ont., "Clothes Dryer," Nov. 9th, 1881.
- No. 13,648. D. H. Burrell, Little Falls, N. Y., "Creamery Vats," Nov. 9th, 1881.
- No. 13,649. E. Seaman, New Minas, N. S., "Churns," Nov. 9th, 1881.
- No. 13,650. G. H. Johnson, Saltpetre Cave, Virginia, "Harrows," Nov. 9th, 1881.
- No. 13,651. A. Walrath, A. C. Bronson and V. E. Fuller, Amsterdam, N. Y., "Sweep Machine," (Extension of Patent No. 6,742,) Nov. 9th, 1881.
- No. 13,652. J. McBride, Strathroy, Ont., "Spring Coupling and Support," (Extension of Patent No. 6,752,) Nov. 9th, 1881.
- No. 13,653. E. Reynolds, Milwaukee, Wis., "Roll Grooving Machine," Nov. 9th, 1881.
- No. 13,654. J. W. Fowler and D. E. Lewis, Brooklyn, N. Y., "Registering Apparatus," Nov. 9th, 1881.
- No. 13,655. S. Kinney and C. Spearin, Chicago, Ill., "Saw Swage," Nov. 10th, 1881.
- No. 13,656. W. N. Cosgrove, Taribault, Minn., and R. Morrell, Pasadena, N. J., "Grinding Mill," Nov. 10th, 1881.
- No. 13,657. J. Richardson, Ancaster, Ont., "Thill Coupling," Nov. 10th, 1881.
- No. 13,658. J. Lidstone, Farmington, Maine, "Steam Cookers," Nov. 10th, 1881.
- No. 13,659. F. Terstegen, Elizabeth, N. J., "Spring Eye Glass," Nov. 10th, 1881.
- No. 13,660. D. E. Clarke, Wellington, Ont., "Fences," Nov. 10th, 1881.
- No. 13,661. J. Tredale, Toronto, Ont., "Coal Oil or Gas Stove," Nov. 10th, 1881.
- No. 13,662. J. Shinn and A. F. Fuller, Philadelphia, Penn., "Flax Breaker and Scutcher," Nov. 10th, 1881.
- No. 13,663. E. Ziegler and B. H. Ziegler, Berlin, Ont., "Perambulators," Nov. 10th, 1881.
- No. 13,664. J. H. Thorp, Baltimore, Maryland, "Artificial Stone," Nov. 10th, 1881.
- No. 13,665. H. Kingsford, Halifax, N. S., "Electric Alarm Grapnel," Nov. 10th, 1881.
- No. 13,666. J. Stover, Glasgow, Scotland, "Pulverizing Interaction Process for Gases and Liquids," Nov. 10th, 1881.
- No. 13,667. R. Prud'homme, St. Thomas d'Alfred, Ont., "Pomades," Nov. 10th, 1881.
- No. 13,668. S. R. Divine, Lock Scheldrake, N. Y., "Explosive Compounds," Nov. 10th, 1881.
- No. 13,669. S. R. Divine, Lock Scheldrake, N. Y., "Blasting Process," Nov. 10th, 1881.
- No. 13,670. F. A. Hubel, Detroit, Mich., "Capsule Cutting Machine," (Extension of Patent No. 9,626,) Nov. 10th, 1881.
- No. 13,671. F. A. Hubel, Detroit, Mich., "Capsule Cutting Machine," (Extension of Patent No. 9,626,) Nov. 11th, 1881.
- No. 13,672. R. Bastin, St. John, N. B., "Fire Escape," Nov. 11th, 1881.
- No. 13,673. J. Cussons, Glen Allen, Virginia, "Calendars," Nov. 11th, 1881.
- No. 13,674. S. Seldon, Erie, Penn., "Sliding Door Hangers," Nov. 11th, 1881.
- No. 13,675. B. H. Tyson, Wilson, North Carolina, "Cotton and Hay Press," Nov. 11th, 1881.
- No. 13,676. G. Klotz, Dresden, Germany, "Skates," Nov. 11th, 1881.
- No. 13,677. C. Whittaker, Chicago, Ill., "Faucets," Nov. 11th, 1881.
- No. 13,678. S. C. Salisbury, N. Y., "Non-explosive Boiler," Nov. 11th, 1881.
- No. 13,679. W. E. Harris, N. Y., "Ore Grinding and Amalgamating Machines," Nov. 11th, 1881.
- No. 13,680. G. G. Bennington, New Hampshire, U. S. A., "Apple Parer, Corer and Slicer," Nov. 11th, 1881.
- No. 13,681. W. De Lany, Cobourg, Ont., "Lamp Post," (Extension of Patent No. 6,761,) Nov. 11th, 1881.
- No. 13,682. J. J. Webster, Magog, Que., "Pulverizer and Grinder," (Extension of Patent No. 1,224,) Nov. 11th, 1881.
- No. 13,683. A. Nobel, Paris, France, "Blasting Gelatine," (Extension of Patent No. 6,808,) Nov. 11th, 1881.
- No. 13,684. A. Nobel, Paris, France, "Blasting Gelatine," (Extension of Patent No. 6,808,) Nov. 11th, 1881.
- No. 13,685. W. G. Rawbone et al., Toronto, Ont., "Impts on Skates," Nov. 11th, 1881.
- No. 13,686. A. G. Smyth, Hamilton, Ont., "Waggon Jack," Nov. 12th, 1881.
- No. 13,687. S. R. C. Mathews, Philadelphia, Pa., "Hydrant," Nov. 12th, 1881.
- No. 13,688. C. E. Friel, Fredericton, N. B., "Friction Locking Hay-lifter," Nov. 12th, 1881.
- No. 13,689. J. D. Kiely, Toronto, Ont., "Electro Magnetic Motor," Nov. 12th, 1881.
- No. 13,690. G. F. Knight, Hicksville, Ohio, "Dogs for Saw Mill Carriages," Nov. 12th, 1881.
- No. 13,691. E. J. Darby et al., Ottawa, Ont., "Nut Lock," Nov. 12th, 1881.
- No. 13,692. F. A. North, Easton, Mich., "Feed Rack," Nov. 12th, 1881.
- No. 13,693. A. S. Clark, Turner's Falls, Mass., "Pumps," Nov. 12th, 1881.
- No. 13,694. O. M. Chase, Detroit, Mich., "Hatching Apparatus," Nov. 12th, 1881.
- No. 13,695. D. O. Francke, Ronndal, Sweden, "Pulp," Nov. 12th, 1881.
- No. 13,696. J. Montgomery, Chicago, Ill., "Stock Car," Nov. 12th, 1881.
- No. 13,697. S. A. Bennis, Springfield, Mass., "Car Axle Box," Nov. 13th, 1881.
- No. 13,698. D. N. Webster, Geneva, Ohio, "Wood Bending Machine," Nov. 13th, 1881.
- No. 13,699. S. Richards, Philadelphia, Penn., "Ice Boat Plow," Nov. 13th, 1881.
- No. 13,700. P. B. Shaw, Williamsport, Penn., (Assignee of J. Hillaforsaid,) "Car Starter," Nov. 13th, 1881.
- No. 13,701. D. N. Colkins, Rochelle, Ill., "Milk Cooler," Nov. 13th, 1881.
- No. 13,702. P. C. Hudson, Fort Dodge, Iowa, "Press," Nov. 13th, 1881.
- No. 13,703. J. H. Grant, Ottawa, Ont., "Elastic Bulb Syringes for use in washing out the Human Stomach," Nov. 14th, 1881.
- No. 13,704. J. J. Bonney, New York, "Renovator," (Extension of Patent No. 8,771,) Nov. 14th, 1881.
- No. 13,705. J. J. Bonney, New York, "Renovator," Nov. 15th, 1881.
- No. 13,706. P. Dansereau, Montreal, Que., "Vehicles," Nov. 17th, 1881.
- No. 13,707. M. A. Howell, Chicago, Ill., "Files," Nov. 17th, 1881.
- No. 13,708. N. Kaiser, Grellington, Switzerland, "Pulp," Nov. 17th, 1881.