[September, 1881.

No. 13,409. Henry Ira Hotchkiss Berlin Falls, N. H., "Automatic Cradle," patented September 17th, 1881. 1881. No. 13,410. H. F. Parsons, San Francisco, Cal., "The Parson's Hand Power Rock Drill," September 17th, 1881. No. 13,447. W. E. Eastman, C. K. Kimball and C. H. Murch, Boston, Mass., "Freight Car Heater," patented September 20th, 1881. No. 13,411. H. B. Nickerson, Orleans, Mass., "Mechanical Musical Instrument," September 17th, 1881. No. 13,412. E. Pope, Quebec, Que., "Signal Switch," September 17th, 1881.

No. 13,413. S. B. Ferguson, Hallowell, Ont.," Cheese Vat," patented September 17th, 1881.

No. 13,414. J. Schweizer, Soleure, Swiss., "Electric Clocks," patent-ed September 17th, 1881.

No. 13,415. H. B. Howard and A. W. Burnside, Beloidere, Ill., "Car Coupling," patented September 17th, 1881.

No, 13,416. E. Steer and John Sheldon, Birmingham, Eng., "Metal-lic Fencing and Infastening in Joining Wires and Strips or Bands for Metallic Fencing," patented September 17th, 1881.

No. 13,417. L. Q. Dion, Na patented September 17th, 1881. Natick, Mass., "Boot and Shoe Last."

No. 13,418. W. B. Malcolm, Toronto, Ont., "Cone Grate Self-Feed-ing Boilers, Stoves and Furnaces," patented September 17th, 1881.

No. 12,419. J. B. Armstrong, Guelph, Ont., "Flanging Punch," pat-ented September 17th, 1881.

No. 13,421. J. B. Armstrong, Guelph, Ont., "Vehicles," patented September 17th, 1881.

No. 12,422. C. J. Shiereff, Brockville, Ont., "Clothes Wringers," patented September 17th, 1881.

No. 13,423. M. G. Farmer, New Port, R. I., "Electro-Magnetic Motors," patented September 17th, 1881.

No. 13,424. J. H. Henry, Hinsdale, 'N. H., "Cylinder Machine for Making Paper," patented September 17th, 1881.
No. 13,425. P. Pearson, Manchester, Eng., "Coffee Roaster," pat-ented September 17th, 1881.

No. 13,426. E. W. Blackhall, Toronto, Ont., "Fountain Ruling Pen,"

patented September 17th, 1881. No. 13,427. A. M. Kerr, Westminster, Ont., "Spark Arrester," pat-ented September 17th, 1881.

No. 13,428. W. F. Sexton, sr., W. F. Sexton, jr., Toronto, Ont., pat-ented September 17th, 1881.

No. 13,429. F. Honston, Toronto, Ont., "Over Coat Sleeve Lining," patented September 17th, 1881.

No. 13,430. J. H. Reed, Lancaster, Wis., "Writing Charts," patented September 17th, 1881.

No. 13,431. B. B. Brewer and B. B. Ward, Sacremento, Cal., "En-gine Governor," patented September 17th, 1881.

No. 13,432. J. A. Osgood, Grantville, Mass., and E. P. Monroe, New York, "Metallic Packing," patented September 17th, 1881.

No. 13,433. J. McCree, Lausing, Mich., "Car Coupling," patented September 17th, 1881.

No. 13,434. G. A. Ganover, Trafalgar, Ont., "Tumbling Churn," patented September 17th, 1881.

No. 13,435. J. A. Baldwin, Shelburne, Vt., "Combined Extension Shelf and Portable Door for Closing Openings in Refrigerators and Milk Bureau," patented September 17th, 1881.

No. 13,436. G. A. Stewart, Toronto, Ont., "Grain Elevators," pat-ented September 17th, 1881.

No. 13,437. F. P. Simonds, Natick, Mass., "Boot Treeing Machine," patented September 17th, 1881.

No. 13,438. J. Gesard and P. Tremblay, Newton, Kansas, "Washing Machines," patented September 17th, 1881.

No. 13,439. H. Sells, Vienna, Ont., "Husking Corn Machines," pat-ented September 17th, 1881.

No. 13,440. E. Hickman, Red Bluff, Cal., "Car Couplings," patented September 17th, 1881. No. 13,441. M. H. Barnard, Forestville, Conn., " Cattle Stanchions,"

patented September 17th, 1881.

No. 13,442. J. Cavers, North Dunfries, Ont., "Fanning Mills," pat-ented September 17th, 1881.

No. 13,443. H. G. Dennis, New Bedford, Mass., "Bell Point for Coupling Pipes," patented September 17th, 1881. No. 13,444. J. Alexander, Toronto, Ont., "Refrigerator," (Exten-sion of Patent No. 12,928,) patented September 18th, 1881.

No. 13,445. A. M. Bechard, R. D. Morkill and J. R. Woodward, Sherbrooke, Que., "Self-Acting Freight Car Coupler," patented Sep-tember 18th, 1881.

No. 13,446. L. H. Bailey, Morrisville, Vt., "Composition of Matter for Coloring and Preservation of Butter," patented September 20th,

No. 13,448. T. S. Lewis, Saco, Maine, "Guide Rein Terret," patent-ed September 20th, 1881.

No. 13,449. A. Weed, Philadelphia, Penn., "File Cutting Machine," patented September 20th, 1881.

No. 13,450. G. Gruber, Detroit, Mich., "Brushes," patented Sept-ember 20th, 1881.

No. 13,451. D. A. Dyer, Ferudale, Cal., "Submarine and Surface Walls," patented September 20th, 1881.

No. 13,452. E. Andrews Williams, Port Pennsylvania, "Auxiliary Saw Handles," patented September 20th, 1881.

No. 13,453. G. Nicholson, (Assignee of T. A. Weber, New York,) "Bale Band Fastening," patented September 20th, 1881. No. 13,454. The Morley Sewing Machine Company, (Assignee of J. H. Morley, Holyoke, Mass.,) "Method of Stitching," patented Sept-ember 20th, 1881.

No. 13,455. A. F. Martel, Montreal, Que., " Nut Lock," patented September 20th, 1881.

No. 13,456. A. W. Gifford, Worcester, Mass., "Machine for Making Metal Screws," (Extension of Patent No. 6,600,) patented September 20th, 1881.

No. 13,457. C. M. Warren, Brookline Norfolk, Mass., "Anchor Roof." (Extension of Patent No. 6,606,) patented September 20th, 1881.

No. 13,458. C. M. Warren, Brookline Norfolk, Mass., "Anchor Roof," (Extension of Patent No. 6,606,) patented September 21st, 1881.

No. 13,459. A. A. Crosby, (Assignee of S. Gilzinger, Rondout, N.Y.,) "Vehicle Spring," (Extension of Patent No. 6,575,) patented September 22nd, 1881.

No. 13,460. A. A. Crosby, (Assignee of S. Gilzinger Rondout, N. Y.,) "Vehicle Spring," (Extension of Patent No. 6,575,) patented September 23rd, 1881.

No. 13,461. C. 8 tember 23rd, 1881. C. Sneider and "Daniel Slote, "Binders," patented Sep-

No. 13,462. E. Robinson and A. N. Detmer, Cinn, Ohio, "Coffee Pot nd Urn," patented September 23rd, 1881. and Urn,'

No. 13,463. W. F. Wilkins, Adamsville. Que., J. Wilkins, Toronto, Ont., patented September 23rd: 1881.

No. 13,464. G. A. Schram, St. Thomas, Ont., "Shirt Board," patent-ed September 23rd, 1881. No. 13,465. E. Wheeler, Philadelphia, Penn., "Articles of Steel," patented September 20th, 1881.

No. 13,466. N. E. Reynier, Paris, France, "Lampe Electrique," patented September 23rd, 1881.

No, 13,467. T. A. Edison, Menlo Park, N. J., "Commutators," pat-ented September 23rd, 1881.

No. 13,468. R. I. Creelman and R. Creelman, Georgetown, Ont., patented September 23rd, 1881.

No. 13,469. J. W. Maloy, Somerville, Mass., "Sole Edge Burnishing Machines," patented September 23rd, 1881.

No. 13,470. G. H. Zschech, Indianapolis, Indiana, "Water Heaters and Purifiers," patened September 25th, 1881.

No. 13,471. C. H. Wilbard, Aurora, N. Y., J. D. Brooks, Albany, N. Y., "Cigar Lighter," patented September 25th, 1881. No. 13,472. St. G. L. Fox, London, Eng., "Electric Lamp," patented September 25th, 1881.

No. 13,473. H. Edwards, Lobo, Ont., "Specific for the Cure of Can-cers," patented September 25th, 1881.

No. 13,474. J. B. Lamb, Ottawa, Ont., "Grain Gatherer and Binder," patented September 25th, 1881.

No. 13,475. R. E. Birch, Templeton, Que., J. R. Fleming, Ottawa, nt., "Diptheria Curo," patented September 25th, 1881. Ont.,

No. 13,476. T. A. Putman, New York, N. Y., " Signal for Railways," patented September 25th, 1881. "Electric Danger

No. 13,477. G. Milson, Buffalo, N. Y., "Elevating and Weighing Devices for Vessels," (Extension of Patent No. 6,596,) patented September 28th, 1881.

No. 13,478. J. Varney, Montreal, Que., "Dodd Machine," (Exten-sion of Patent No. 6,599,) patented September 28th, 1881.

No. 13,479. N. E. Fuller, Hamilton, Ont., (Assignee of J. S. McMur-ay, Toronto, Ont., "Handle and Bail Ear," (Extension of Patent No. 6,627,) patented September 28th, 1881.