

Patents issued up to 19th December, 1882, Claims and Drawings of which will appear in a subsequent number of the Patent Record.

- No. 15,870. C. E. Bogle, Milton, C. B. Bertolette, Morristown, and W. J. Moodie, Philadelphia, Penn., "Sash Balance," 27th Nov. 1882.
- No. 15,871. S. T. Gaty, O'Fallon, Miss., assignee, "Stump Extractor," 27th Nov. 1882.
- No. 15,872. W. W. Williams and W. A. Williams, San Francisco, Cal., "Soldering machine," 27th Nov. 1882.
- No. 15,873. J. H. Davis, Ypsilanti, Mich., "Fire Kindler," 27th Nov. 1882.
- No. 15,874. W. Mills and F. B. Mills, Brooklyn, N. Y., assignees, "Fishing Reel," 27th Nov. 1882.
- No. 15,875. P. and A. S. Patterson, Ont., "Harrows," (Ext. of Patent No. 9104), 27th Nov. 1882.
- No. 15,876. T. Rowan, London, Eng., "Warming and ventilating apparatus," 1st Dec. 1882.
- No. 15,877. I. Brooke, Roger's Ford, Penn., "Door shutter, or sash Fastener and alarm," 1st Dec. 1882.
- No. 15,878. G. C. Williams, Ellenville, N. Y., "Steam Injector," 1st Dec. 1882.
- No. 15,879. E. W. Kelley, Lowell, Mass., "Machine for the manufacture of roving," 1st Dec. 1882.
- No. 15,880. G. B. Saladee, Freeport, Ill., "Springs for vehicles," 1st Dec. 1882.
- No. 15,881. A. J. McDonald, Springfield, Ohio, "Invalid lounge," 1st Dec. 1882.
- No. 15,882. D. Clinton, Wellington, Ont., "Plow shares," 1st Dec. 1882.
- No. 15,883. T. Holland, Troy, N. Y., "Lubricating devices," 1st Dec. 1882.
- No. 15,884. B. F. Brown, Houghton, Mich., "Sleigh knees," 1st Dec. 1882.
- No. 15,885. O. B. Olmsted, Beloit, Wis., "Drive well point and strainer," 1st Dec. 1882.
- No. 15,886. A. L. Farewell, East Whitby, Ont., "Wash stands," 1st Dec. 1882.
- No. 15,887. B. P. Joiner, Florence, Alabama, "Waggon beds," 1st Dec. 1882.
- No. 15,888. W. G. Hoover, Pittsburg, Penn., "Removable Insoles for hob nail shoes," 1st Dec. 1882.
- No. 15,889. G. S. Roath, Greenville, Conn., "Show stands," 1st Dec. 1882.
- No. 15,890. A. F. Woodham, Minnesota, Minn., "Ice velocipedes," 1st Dec. 1882.
- No. 15,891. W. F. Hood, Deerfield, Mich., "Adjustable barrel and pail cover," 1st Dec. 1882.
- No. 15,892. The Einstein Manufacturing Co's Philadelphia, Penn., assignees, "Stove polish," 1st Dec. 1882.
- No. 15,893. E. S. May, Detroit, Mich., G. R. Sutherland, Campbell, N. J., "Cigar holder," 1st Dec. 1882.
- No. 15,894. F. C. Henshaw, assignee, Montreal, Que., "Lubricator," 1st Dec. 1882.
- No. 15,895. J. G. Hill, Newark, N. J., and J. L. Lee, Slaatsburgh, N. Y., "Packing," 1st Dec. 1882.
- No. 15,896. G. J. B. Rodwell and T. Snell, Toronto, Ont., "Hand stamps," 1st Dec. 1882.
- No. 15,897. T. Robertson, Toronto, Ont., "Lozenge machinery," (Ext. of Patent No. 8173), 5th Dec. 1882.
- No. 15,898. T. Robertson, Toronto, Ont., "Lozenge machine," (Ext. of Patent No. 3920), 5th Dec. 1882.
- No. 15,899. J. Mills, Terre Haut, Ind., "Centrifugal bolts," 5th Dec. 1882.
- No. 15,900. J. B. and O. B. Johnson, Boston, Mass., "Electric railway signal," 5th Dec. 1882.
- No. 15,901. J. H. Wright, Keene, N. H., "Impervious package," 5th Dec. 1882.
- No. 15,902. T. E. Davis, Range, Ohio, "Guide for mill stone paint staffs," 5th Dec. 1882.
- No. 15,903. H. Roberts, Pittsburg, Penn., "Means for finishing zinc-coated wire," 5th Dec. 1882.
- No. 15,904. R. E. Chambers, New Glasgow, N. S., "Gate," 5th Dec. 1882.
- No. 15,905. G. F. Ransom, Cleveland, Ohio, "Electro-magnetic watchmen's registers," 5th Dec. 1882.
- No. 15,906. M. Bourke, Youngstown, Ohio, "Boat lowering apparatus," 5th Dec. 1882.
- No. 15,907. A. Cox, New York, N. Y., "Bed clothes fasteners," 5th Dec. 1882.
- No. 15,908. A. W. Clark, Orangeville, Ind., "Car coupler," 5th Dec. 1882.
- No. 15,909. D. O. Holman and C. A. Macfarlane, Knowlton, Que., "Reciprocating force pump," 5th Dec. 1882.
- No. 15,910. H. Berger, Milwaukee, Wis., "Process of manufacturing pillows, bolsters, etc.," 5th Dec. 1882.
- No. 15,911. U. H. Hillman, Osterville, Mass., "Process of manufacturing albumen from fish spawn," 5th Dec. 1882.
- No. 15,912. The Toledo Mower and Reaper Co's, assignees, Toledo, Ohio, "Grain carriers," 5th Dec. 1882.
- No. 15,913. J. E. Woodbridge and F. N. Gardner, Hartford, Conn., "Metal working tools," 5th Dec. 1882.
- No. 15,914. C. M. Amsden, Wooster, Ohio, "Wrought iron sled," 7th Dec. 1882.
- No. 15,915. A. D. Canfield, Arlington, Vermont, "Car wheel," 7th Dec. 1882.
- No. 15,916. C. E. Rider, Rochester, N. Y., "Method for uniting wood for floor coverings etc.," 7th Dec. 1882.
- No. 15,917. E. Thompson, New Britain, Conn., "Electro-magnetic device," 7th Dec. 1882.
- No. 15,918. L. E. McKinnon, St. Catharines, Ont., "Vehicle dashes," 7th Dec. 1882.
- No. 15,919. T. Fletcher, Warrington, Eng., "Gas burners," 7th Dec. 1882.
- No. 15,920. G. W. Smith, Rock Falls, Ill., "Thimble skein and axle box," 7th Dec. 1882.
- No. 15,921. B. Greig, New York, N. Y., "Animal traps," 7th Dec. 1882.
- No. 15,922. A. L. Colton, Milwaukee, Wis., "Scrap books," 7th Dec. 1882.
- No. 15,923. H. C. Crowell, Erie, Penn., "Dead pulley rigs," 7th Dec. 1882.
- No. 15,924. W. J. H. Kappe, Bellville, Ill., "Hay presses," 7th Dec. 1882.
- No. 15,925. H. S. Higginbotham, Allegan, Mich., "Whiffletree hooks," 7th Dec. 1882.
- No. 15,926. G. W. Nichols and W. Taylor, "Lath trimming machines," 7th Dec. 1882.
- No. 15,927. S. Gibbs, Blue Mound, Miss., "Movable fence post," 7th Dec. 1882.
- No. 15,928. L. Fitzgerald, New York, N. Y., assignee, "Means for conveying heating or motive agents through a train of cars," 7th Dec. 1882.
- No. 15,929. L. Fitzgerald, New York, N. Y., assignee, "Apparatus for heating cars," 7th Dec. 1882.
- No. 15,930. W. H. Bailey, Minneapolis, Minn., "Spikes," 9th Dec. 1882.
- No. 15,931. J. F. and H. G. Chandler and H. F. Paul, Concord, N. H., "Saw guides," 9th Dec. 1881.
- No. 15,932. B. N. Shelley, Anderson, Ind., "Vehicle wheels and axles," 9th Dec. 1882.
- No. 15,933. J. J. Deal and W. M. Johnston, Wilmot, Ohio, "Corn cultivator," 9th Dec. 1882.
- No. 15,934. L. K. Johnson, Brooklyn, N. Y., "Type and space holders," 9th Dec. 1882.
- No. 15,935. M. Covel, Chicago, Ill., "Automatic power saw swage," 9th Dec. 1882.
- No. 15,936. Z. A. Willard, Boston, Mass., "Process for desulphurizing ores," (Ext. of Patent No. 8228), 9th Dec. 1882.
- No. 15,937. D. Hambleton, Lachute, Que., "Bobbins," 9th Dec. 1882.
- No. 15,938. W. E. Sergeant, Minneapolis, Minn., "Self-adjusting Mill burr driver," 10th Dec. 1882.
- No. 15,939. J. W. Norcross, Boston, Mass., "Tackle blocks," (Ext. of Patent No. 8203), 10th Dec. 1882.
- No. 15,940. J. Pattullo, Orangeville, Ont., "Perpetual draw line kiln," (Ext. of Patent No. 1867), 10th Dec. 1882.
- No. 15,941. A. H. Horsnell and W. Murphy, Montreal, Que., "Filtering apparatus," 11th Dec. 1882.
- No. 15,942. J. G. Baker and T. H. Asbury, Philadelphia, Penn., "Sad iron," (Ext. of Patent No. 8237), 11th Dec. 1882.
- No. 15,943. J. G. Baker and T. H. Asbury, Philadelphia, Penn., "Sad irons," (Ext. of Patent No. 8237), 12th Dec. 1882.
- No. 15,944. B. C. Brown, Clinton, Iowa, "Machine for sawing shingles," (Ext. of Patent No. 8342), 12th Dec. 1882.
- No. 15,945. A. Day, Detroit, Mich., "Track cleaner," (Ext. of Patent No. 1911), 12th Dec. 1882.
- No. 15,946. J. G. Baker, Philadelphia, Penn., "Sad iron grinder," (Ext. of Patent No. 8244), 12th Dec. 1882.
- No. 15,947. J. G. Baker, Philadelphia, Penn., "Sad iron grinder," (Ext. of Patent No. 8244), 13th Dec. 1882.
- No. 15,948. H. Ashley, Thurton, Ont., "Side spring waggons," 13th Dec. 1882.
- No. 15,949. J. Byfield, Georgetown, Ont., "Knitting machine," 13th Dec. 1882.
- No. 15,950. J. Pratt, Montreal, Que., "Grinding mill," 14th Dec. 1882.
- No. 15,951. C. S. Smith, Leicester, and T. Moore, Shipley, Eng., "Steam generating incombustible cartridge," (Ext. of Patent No. 13,928), 14th Dec. 1882.
- No. 15,952. C. S. Smith, Leicester, and T. Moore, Shipley, Eng., "Steam generating incombustible cartridge," (Ext. of Patent No. 13,928), 15th Dec. 1882.
- No. 15,953. S. H. Walz, Trois Rivières, Mich., "Velocipede car," 15th Dec. 1882.
- No. 15,954. C. Cluthe, Toronto, Ont., "Trusses," 15th Dec. 1882.