

No. 11,797. Oil Tank. (*Réservoir à huile.*)

Stephen Webster, St. Catharines, Ont., 22nd September, 1880; (Extension of Patent No. 5,195.)

No. 11,798. Heating Stove. (*Poêle de chauffage.*)

Alexander Bettes, Warrensburgh, Mo., U. S., 23rd September, 1880; (Extension of Patent No. 5,264.)

No. 11,799. Improvements on Cultivators.(*Perfectionnements aux cultivateurs.*)

Edwin Appleton, Vienna, Ont., 23rd September, 1880; for 5 years.

Claim. 1st. The combination of the frame A, teeth E E provided with inches d, bent rod a, nuts e and piece b. 2nd. The combination of the braces f, joint braces s and thumb screw bolt h. 3rd. The combination of braces t t u and frame A.

No. 11,800. Improvements in Pumps. (*Perfectionnements dans les pompes.*)

William S. McLeod, Kingsville, Ont., 23rd September, 1880; for 5 years.

Claim. 1st. The combination of the pump cylinder divided into two chambers D Di by a partition E, near its lower end, its piston and induction and eduction ports, with the induction pipes provided with side openings E

having removable plugs I, and the lower ends of the pump cylinder, and the lower and upper ends of the induction pipes F, provided with interchangeable plugs and valved sections, whereby the pump may be adapted as a surface pump or a submerged pump, at will. 2nd. The combination with the pump cylinder and the induction pipes F connected thereto, of the eduction pipes N connected with the upper chamber D of the pump cylinder, by means of reversible valve sections G, and the interchangeable plugs and valved sections of the pump cylinder and induction pipes, whereby water may be lifted from two cisterns or reservoirs and discharged in single or separate streams. 3rd. In combination with the pump cylinder, its induction and eduction pipes F N, the reversible valve sections G, whereby the ports of the pump chamber may be changed at will, to adapt the pump to different uses. 4th. The combination of the closing box and flanged supporting plate, with the pump cylinder, its induction and eduction tubes and valves, and the detachable and interchangeable plugs and valve sections, whereby the pump may be arranged to take water from the enclosing vessel or from a source outside of the same, to adapt the apparatus to use as a garden or other portable pump. 5th. The combination, in a pump, of the cylinder A divided into an upper and a lower chamber D Di, with the induction pipes F F, and the horizontal connecting sections, the upper sections G G, communicating with the chamber D, being valved, and the lower sections H H communicating with the chamber D being perpetually open.

List of Patents issued up to 6th November, 1880, but not yet Officially published in the Patent Office Record.

No. 11,865. The Rubber Cushioned Axle Company, (Assignee of John Brinkley,) Lammis, N. Y., "Elastic Hub," (Extension of Patent No. 7,619,) patented 10th July, 1877.

No. 11,866. David Groesbeck, of New York, N. Y., "Ventilating apparatus," patented Oct., 13th, 1880.

No. 11,867. La Fayette Wildermuth, Lexington, Ohio, "Spring Bed," patented Oct., 13th, 1880.

No. 11,868. Benjamin Wilt, of Petersburg, Penn., U. S. A., "Truck and Bag Holder," patented Oct., 13th, 1880.

No. 11,869. Fortunato Clemente Janette, of Bryan, Texas, U. S. A., "Vise," patented Oct., 13th, 1880.

No. 11,870. James Morrison, "Steam Cooks Handles," patented Oct., 13th, 1880.

No. 11,871. John Harry Harford, of Indianapolis, Indiana, U. S. A., "Free Clip," patented Oct., 13th, 1880.

No. 11,872. Max Tschirmer, of San Francisco, Cal., U. S. A., "Explosive Compound," patented Oct., 13th, 1880.

No. 11,873. David Newell Brown Coffin, the younger, of Boston, and Benjamin Woodward, of Cambridge, both of Mass., U. S. A., "Elastic Chain Stopper," patented Dec., 9th, 1875.

No. 11,874. Alexander Macdonald, of Worcester, Mass., U. S. A., "Finger Nail Cutter," patented Oct., 15th, 1880.

No. 11,875. John Sanford Bowen, of Spenceport, and Elsie Johnson Potter, of Knowlesville, both of N. Y., U. S. A., patented Oct., 15th, 1880.

No. 11,876. William McKenzie, of Morrisburg, Ont., "Fanning Mill Shake," patented Oct., 15th, 1880.

No. 11,877. Joseph William Kenna and Reuben A. Hitchcock, of Chicago, Ill., U. S. A., "Child's Chair and Carriage," patented Oct., 15th, 1880.

No. 11,878. George Allan White, Halifax, Nova Scotia, "Knitting Machine," patented Oct., 15th, 1880.

No. 11,879. John Westgarth, of Warrington, England, "Farbe Wire Fence," patented Oct., 15th, 1880.

No. 11,880. Watson Playter Widdfield, Silvam, Ont., "Automatic Friction Brake," patented Oct., 23rd, 1875.

No. 11,881. Frederick Wicks, of Glasgow, Scotland, "Distributing and Composing Machine," patented Oct., 19th, 1880.

No. 11,882. James Edward Henry Gordon, of Holmwood Cottage, Dorking, England, "Electric Lighting," patented Oct., 19th, 1880.

No. 11,883. Robert Standing, of Boston Mills, Ont., "Gate Latch," patented Oct., 19th, 1880.

No. 11,884. Charles Weightman Harrison, of Kensington, England "Electric Lighting," patented Oct., 19th, 1880.

No. 11,885. Roswell Hinman Smith, of St. Catharines, Ont., (Assignee of George Frederick Simonds, of Fitchburg, Mass., U. S. A.,) "Apparatus and Process for Tempering and Straightening," (Extension of Patent No. 5,288,) patented Oct., 19th, 1880.

No. 11,886. William Briggs, of Montreal, Quebec, "Nail Plate Feeder," (Extension of Patent No. 10,741,) patented Oct., 20th, 1880.

No. 11,887. William Briggs, of Montreal, Que., "Nail Plate Feeder," (Extension of Patent No. 10,741,) patented Oct., 20th, 1880.

No. 11,888. Thomas Miller, of Portland, St. John, N. B., "Iron Box Piles," patented Oct., 20th, 1880.

No. 11,889. Quentin Leon Brin, of Shepherd's Bush, England, "Oxy-carbon Light and Lamps," patented Oct., 20th, 1880.

No. 11,890. John Rae, of New York, U. S. A., "Crusher and Grinder," patented Oct., 20th, 1880.

No. 11,891. Henry Calcutt, of Ashburnham, Ont., "Churns," patented Oct., 20th, 1880.

No. 11,892. Théophile Gervais, of Hochelaga, Que., "Draining Well," patented Oct., 20th, 1880.

No. 11,893. George Wiard, of Batavia, U. S. A., "Mould for Casting Chilled Mould Boards," patented Oct., 20th, 1880.

No. 11,894. Andreas Olsen, of Ephriam, U. S. A., "Pontoon Steam Vessel," patented Oct., 20th, 1880.

No. 11,895. Herbert Enos Dennett, of Boston, Mass., U. S. A., "Dental Navoli," patented Oct., 20th, 1880.

No. 11,896. Charles Stanhope Watson and James Rose, of Montreal, Que., "Trap," (Extension of Patent No. 5,727,) patented Oct., 20th, 1880.

No. 11,897. Gilman Hill Ames, of Adrian, Lenawa, U. S. A., and Embree B. Lapham, of Rockford, U. S. A., "Car Coupling," (Extension of Patent No. 5,367,) patented Oct., 20th, 1880.

No. 11,898. Charles Stanhope Watson and James Rose, of Montreal, Que., "Plumbers' Trap," (Extension of Patent No. 5,727,) patented Oct., 21st, 1880.

No. 11,899. Gilman Hill Ames, of Adrian, and Embree B. Lapham, of Rockford, Mich., U. S. A., (Extension of Patent No. 5,367,) patented Oct., 21st, 1880.

No. 11,900. Asher Holmes, of Hamilton, Ont., "Churn Dasher," (Extension of Patent No. 5,361,) patented Oct. 22nd, 1880.

No. 11,901. James Henry Connor, of Brockville, Ont., "Washing Machine," patented Oct. 22nd, 1880 (Extension of Patent No. 5,340).

No. 11,902. James Pliny Perkins, of Minneapolis, Minn., and Charles Carroll Jones, of Targo, Dakota, N. Y., U. S. A., "Railway Spike," patented Oct. 26th, 1880.

No. 11,903. Francis Green, of Oakville, Ont., "Hurdle," patented Oct. 26th, 1880.

No. 11,904. Thomas Anthony Covey, of Halifax, N. S., "Cabinet Bedstead," patented Oct. 26th, 1880.

No. 11,905. Patrick Fitzgibbons, of Oswego, New York, U. S. A., "Tube Expander," (Extension of Patent No. 5,334,) patented October 30th, 1880.

No. 11,906. Hugh Baines, of Oakville, Ont., (Assignee of Jacob Benjamin Slickter, of Kalamazoo, Mich., U. S. A.,) "Elastic Paint," (Extension of Patent No. 5,297,) patented October 30th, 1880.

No. 11,907. Watson Playter Widdfield, of Silvam, Ont., "Car Brake," (Extension of Patent No. 5,335,) patented October 30th, 1880.

No. 11,908. Frederick John Clubb, of Guelph, Ont., "Coal and Coke Draw Lime Kiln," (Extension of Patent No. 5,341,) patented October 30th, 1880.

No. 11,909. John Albert Chapman, of Whitewater, Wis., U. S. A., "Carriage Top," (Extension of Patent No. 9,302,) patented October 30th, 1880.

No. 11,910. Philander Gillett Finn, of Erie, Penn., U. S. A., "Lumber, Dryer," October 30th, 1880.

No. 11,911. Joseph Thomas Parlour, of London, Eng., "Steam Navy," patented October 30th, 1880.

No. 11,912. George Washington Rosebough, of Jackson, Mich., U. S. A., "Saw Guide," patented October 30th, 1880.

No. 11,913. William Lambert Inlay, of Camden, N. J., U. S. A., "Ore Concentrator," patented October 30th, 1880.

No. 11,914. Benjamin Jewette Howe, of Sing Sing, N. Y., U. S. A., "Dish Washer," patented October 30th, 1880.

No. 11,915. Francis John Bolton and James Alfred Wanklyn, of Middlesex, Eng., "Azotic Manure," patented Oct. 30th, 1880.

No. 11,916. John Walker, of Indianapolis, Ind., U. S. A., "Shaft Couplings," patented October 30th, 1880.

No. 11,917. Frederick Crocker, of Olean, N. Y., U. S. A., "Combination Pump," patented October 30th, 1880.

No. 11,918. Hiram W. White, of Yankton, Dakota, U. S. A., "Churn Dasher," patented October 30th, 1880.

No. 11,919. William Lord Williams, of San Diego, California, U. S. A., "Bran Packing Machine," patented October 30th, 1880.

No. 11,920. Frank Atwood Huntington, of San Francisco, Cal., U. S. A.,

No. 11,921. The Hamilton Industrial Works Company (Assignee of Matthew Wilson, of Hamilton, Ont.,) "Combined Stovepipe Shelf and Drier," (Extension of Patent No. 5,486,) patented Nov. 2, 1880.

No. 11,922. Frederick William Bartlett, of Buffalo, N. Y., U. S. A., "Ozone Machine," (Extension of Patent No. 5,337,) patented November 2nd, 1880.

No. 11,923. Charles Edwin Hill, of New York, N. Y., U. S. A., "Structure," (Extension of Patent No. 5,325,) patented Nov. 2nd, 1880.

No. 11,924. Zephaniah Sanford Lawrence, of St. Césaire, and Hiram Addison Lawrence, of East Farnham, Que., "Sap Spout," patented Nov. 2nd, 1880.

No. 11,925. James Reidy, of Kennington Road, Eng., "Hot Mangle and Ironing Machine," patented Nov. 2nd, 1880.

No. 11,926. Conrad Eimbeck, of New Haven, Miss., U. S. A., "Couplings for Vehicle Axles," patented Nov. 2nd, 1880.

No. 11,927. Joseph Vincent Renchard and John J. Renchard, of Detroit, Mich., U. S. A., "Lubricator," patented Nov. 2nd, 1880.

No. 11,928. Oliver Stephens Garretson, of Buffalo, N. Y., U. S. A., "Extension Table Slide,"

No. 11,929. Seth Kimball Devereux, of Fredericton, N. B., "Koptography," patented Nov. 2nd, 1880.

No. 11,930. David Marks Richardson, of Detroit, Mich., U. S. A., "Grain Scourer and Polisher," patented Nov. 2nd, 1880.

No. 11,931. Alexander Gemmell and Alexander Boyd, of Toronto, Ont., "Boot and Shoe Ventilator," patented Nov. 2nd, 1880.

No. 11,932. John Findlay, of Montreal, Que., "Spring Wheel," patented Nov. 2nd, 1880.

No. 11,933. John Henry Laskey and Isaac Francis Dobson, of Boston, Mass., U. S. A., "Self-Levelling Dining Table for Vessels," November 2nd, 1880.

No. 11,934. Nathan Updegraff Walker, of Wellsville, Ohio, U. S. A., "Interlocking Pipe Section," patented Nov. 2nd, 1880.

No. 11,935. Thomas Buckingham, of Sainte Cécile, Que., "Sleighs," patented Nov. 6th, 1880.