

No. 15,955. J. Bruce, Prince Albert, Ont., "Stump Extractor," 15th Dec., 1882.

No. 15,956. J. W. Bell, Conowingo, Maryland, "Watch Hands," 15th Dec., 1882.

No. 15,957. W. G. Cummins, McMinville, Tenn., "Trace Detaching Device," 15th Dec., 1882.

No. 15,958. J. Tye, Toronto, Ont., "Wire Coiling Machine," 15th Dec., 1882.

No. 15,959. H. Frasch, Cleveland, Ohio, "Process for the Distillation of Hydro-carbon," 15th Dec., 1882.

No. 15,960. H. Frasch, Bay City, Mich., "Petroleum Stills," 15th Dec., 1882.

No. 15,961. J. Kurtis and J. Bray, Springfield, Ohio, "Stove Pipe Self," 15th Dec., 1882.

No. 15,962. F. B. Nichols and C. Thomson, Halifax, N. S., "Fish Drying Houses and Apparatus," 15th Dec., 1882.

No. 15,963. C. J. Scheetky, Martinsburg, Virginia, "Sash Balance Block," 15th Dec., 1882.

No. 15,964. The Washburn and Moen Manufacturing Co., assignees, Worcester, Mass., "Bale Tie Machine," 18th Dec., 1882.

No. 15,965. The Washburn and Moen Manufacturing Co., assignees, Worcester, Mass., "Bale Tie Blank Forming Machine," 18th Dec., 1882.

No. 15,966. A. Hershey, Bertie, Ont., "Feed Cutter," (Ext. of Pat. No. 8228), 18th Dec., 1882.

No. 15,967. J. H. Branson, Belmont, N. Y., and B. Branson, Flushing, Ohio, "Double Acting Pumps," 18th Dec., 1882.

No. 15,968. P. Sehan, Kalamazoo, W. B. Stronger, and C. A. Glynn, Portage, Mich., "Railway Frog Protector," 18th Dec., 1882.

No. 15,969. R. W. Turner, Boston, Mass., assignee, "Culinary Forks or Domestic Implements," 18th Dec., 1882.

No. 15,970. A. Behr, Chicago, Ill., "Process of Manufacturing Crystallized Anhydride of Grape Sugar from a Watery Solution of Grape Sugar," 18th Dec., 1882.

No. 15,971. A. Behr, Chicago, Ill., "Method of Refining Grape Sugar," 18th Dec., 1882.

No. 15,972. J. Kinney, Windsor, Ont., "Wrench and Pipe Cutter," 18th Dec., 1882.

No. 15,973. J. B. and O. B. Johnson, Boston, Mass., "Signalling System for Railways," 18th Dec., 1882.

No. 15,974. C. A. Way, North Charlestown, N.H., "Snow Shovels," 18th Dec., 1882.

No. 15,975. W. P. Kirkland, San Francisco, Cal., "Vehicle Devices for Checking Horses," 18th Dec., 1882.

No. 15,976. J. G. Whittier, Attica, Ind., "Sole and Upper Protectors," 18th Dec., 1882.

No. 15,977. E. W. Grant, Ypsilanti, Mich., "Rubber Basket for Chain Pumps," 18th Dec., 1882.

No. 15,978. G. Leve, N.Y., "Berths for Passenger Steamers," 18th Dec., 1882.

No. 15,979. T. R. Pangle and R. G. Holloway, N. Y., "Hame Attachments," 18th Dec., 1882.

No. 15,980. A. J. Lytle, Millsborough, Ohio, "Shears," 18th Dec., 1882.

No. 15,981. G. M. Mills, Phil., Penn., "Candy Whistles and Molds therefor," 18th Dec., 1882.

No. 15,982. A. Tigniere, Wichita, Ks., "Punch for Marking Cattle," 18th Dec., 1882.

No. 15,983. T. G. Lealie, Hay, Ont., "Spark-Arrester and Extinguishers," 18th Dec., 1882.

No. 15,984. R. R. Osgood, Troy, N. Y., "Friction Clutch," 18th Dec., 1882.

No. 15,985. T. Crispin, Detroit, Mich., "Saw Clamp and Bench Iron," 18th Dec., 1882.

No. 15,986. R. M. Lowne, East End Finchley, Eng., "Electric Logs," 18th Dec., 1882.

No. 15,987. J. S. Baker, Hanover Junction, Penn., "Fertilizer Distributor and Grain Drill," 18th Dec., 1882.

No. 15,988. J. N. Burdy, St. John, N. B., "Anchor Cutter," 18th Dec., 1882.

No. 15,989. F. B. Smith, Wilmot, Ohio, "Sprinkler Nozzle," 18th Dec., 1882.

No. 15,990. The Atwood Railway Wheel Co., New York, (assignee), "Draw-Bar," 18th Dec., 1882.

No. 15,991. W. S. Lamson, Lowell, Mass., "Cash Carrier," (Ext. of Pat. 15,138), 19th Dec., 1882.

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