

threaded sleeve stationary in the direction of its axis, but so as to be rotated thereon, a screw-threaded shank at right angles to and carrying said sleeve and box with a correspondingly threaded nut supported stationary in the direction of its axis; 3rd. In a bearing for shafting, the combination of the two parts of the box screw-threaded at each end and a collar correspondingly threaded; 4th. In a bearing for shafting, the combination of the two parts of the box screw-threaded at the two ends and a collar correspondingly threaded made in two parts interlocking with each other by a longitudinal movement, and secured by said screw threads; 5th. In a bearing shafting, the cap or upper part of the box constructed with one or more lubricating cavities, combined with a follower arranged in said cavity.

No. 9672. Improvements in Window Bars. (Perfectionnements aux grilles des fenêtres.)

Joseph A. Quesnel, Arthabaskaville, Que., 18th February, 1879, for 3 years.

Claim.—1st. In a prison or other guard bar, the pipe A, plug B, cap C, core D, washer E and rings or small pipes F and G; 2nd. The arrangement and combination of the pipe A, plug B, cap C, core D and washer E, with any desirable number of rings or small pipes around the core D, having the joints or meetings irregularly placed.

List of Patents issued up to 19th March, 1879, but not yet Officially published in the Patent Office Record.

No. 9679. A. F. Collette, St. Luc, and J. O. Ulric, Chambly, Que., "Candle Making Apparatus," 20th February, 1879.

No. 9680. Jas. Spruce, Waterbury, Ct., U. S. A., "Spring Hinge," 20th February, 1879.

No. 9681. F. M. Mahon, St. Joseph, Miss., U. S. A., "Ice Boat and Bar Dredge," 20th February, 1879.

No. 9682. E. Wassell, Digby, N. S., "Bridge Truss or Girder," 20th February, 1879.

No. 9683. A. E. Feroe, Tivoli, N. Y., U. S. A., "Mashing Process," 20th February, 1879.

No. 9684. T. P. Ball, Brooklyn, (Assignee of J. L. Dickenson, Hempstead, N. Y., U. S. A.), "Improvements on Reefing Fore and Aft Sails," 20th February, 1879.

No. 9685. Jas. M. Altholson and Chs. McBean, Napanee, Ont., "Cast Seed and Plaster Sower," 20th February, 1879.

No. 9686. M. Johnson and M. C. Richardson, Lookport, N. Y., U. S. A., "Hand Truck," 20th February, 1879.

No. 9687. The Raman Stove Works, Albany, (Assignee of C. A. Hamlin, Greenbush, N. Y., U. S. A.), "Wood Cooking and Heating Stove," 20th February, 1879.

No. 9688. C. C. Doten, Plymouth, Mass., U. S. A., "Self-reaming Screw," 20th February, 1879.

No. 9689. E. M. Ball and D. F. Gallaher, Stanstead, Que., "Fire Escape," 20th February, 1879.

No. 9690. H. B. Perham, New Hamburg, Ont., "Blacking Brush," 25th February, 1879.

No. 9691. H. Léger, Ottawa, Ont., "Boot," 25th February, 1879.

No. 9692. J. Pierce, Alma, Mich., U. S. A., "Scoop," 25th February, 1879.

No. 9693. T. Emery, Peshtigo, Wis., U. S. A., "Log Rolling Machine," (Extension of Patent No. 3153,) 25th February, 1879.

No. 9694. L. Whitney, Muncie, Ind., U. S. A., "Rotary Churn," 25th February, 1879.

No. 9695. F. L. Norton, New York, U. S. A., "Ventilator," 25th February, 1879.

No. 9696. Jno. Pike, Montreal, Que., (Assignee of R. E. Tanner, Cayuga, N. Y., U. S. A.), "Washing Machine," 25th February, 1879.

No. 9697. W. E. Christian, G. C. Greenwood, and C. H. Denison, Bay City, Mich., U. S. A., "Skate," 25th February, 1879.

No. 9698. M. MacVicar, Potsdam, N. Y., U. S. A., "Tellurian Globe," 25th February, 1879.

No. 9699. W. B. Crich, Clinton, Ont., "Spring Bed Bottom," 20th February, 1879.

No. 9700. S. Rochwell, Baltimore, Md., U. S. A., "Button Hole Attachment," 25th February, 1879.

No. 9701. T. R. Butman, Milan, Ohio, U. S. A., "Furnace Grate Bars," 25th February, 1879.

No. 9702. T. R. Butman, Milan, Ohio, U. S. A., "Furnace Doors," 25th February, 1879.

No. 9703. A. E. Barthel, Detroit, Mich., U. S. A., "Grate Bars," 25th February, 1879.

No. 9704. C. G. C. Simpson, Montreal, Que., "Hot Water Feeder for Steam Boilers," 28th February, 1879.

No. 9705. G. D. Daly, Flatbush, N. Y., U. S. A., "Steam Boiler," 3rd March, 1879.

No. 9706. W. Thomas, Geneseo, Ill., U. S. A., "Folding Tables," 3rd March, 1879.

No. 9707. W. M. Button, Weeler, Ont., "Reach for Connecting Bob Sleighs," 3rd March, 1879.

No. 9708. H. R. Ives, Montreal, Que., "Barn Door Hanger," 3rd March, 1879.

No. 9709. H. W. Pell, Rome, N. Y., U. S. A., "Lock Joint Side Bar Spring," 3rd March, 1879.

No. 9710. G. W. Ayer, Montreal, Que., "Combined Swinging Chair and Cradle," 3rd March, 1879.

No. 9711. J. M. Rhodes, Hancock, Mich., U. S. A., "Butter Cutter," 3rd March, 1879.

No. 9712. E. Chanteloup, Montreal, Que., (Assignee of P. Carroll, Chatham, N. B.), "Improved Siller Lamp," 3rd March, 1879.

No. 9713. J. Chapman, Bay City, Mich., U. S. A., "Car Coupling," 3rd March, 1879.

No. 9714. D. A. Stevens, Toledo, Ohio, U. S. A., "Refrigerator," 3rd March, 1879.

No. 9715. W. Whitford, Kendallville, Ind., U. S. A., "Nut Lock," 3rd March, 1879.

No. 9716. H. Barrett, Hampton, and Jno. Bailey, Silvertown, Eng., "Bottle Stopper," 3rd March, 1879.

No. 9717. S. P. Bacheller, Canton, N. Y., U. S. A., "Milk Cooler," 3rd March, 1879.

No. 9718. G. H. Huntington, London, Ont., (Assignee of A. C. Lagworthy, Aurora, Ill., U. S. A.), "Spring Bed Bottom," (Extension of Patent No. 3152,) 3rd March, 1879.

No. 9719. H. Clark, Baltimore, Md., U. S. A., "Registering Lock," 3rd March, 1879.

No. 9720. G. A. De Zeng, and Jas. Lang, Chicago, Ill., U. S. A., "Horse Collar," 8th March, 1879.

No. 9721. Jas. Higginbotham, Toronto, Ont., "Blind Roller," 8th March, 1879.

No. 9722. J. B. Morris and T. S. Ireland, Cincinnati, Ohio, U. S. A., "Sash Lock," 8th March, 1879.

No. 9723. E. W. Blackhall, Toronto, Ont., "Paper Ruling Machine," 8th March, 1879.

No. 9724. E. Cutlar, London, Eng., "Ships' Bottom Cleaning Apparatus," 10th March, 1879.

No. 9725. W. Dunn, Hamilton, Ont., "Saw Setting Machine," 10th March, 1879.

No. 9726. E. Stone, Waterloo, Que., "Carpet Stretcher," 10th March, 1879.

No. 9727. G. D. Chisholm, E. Flamboro, and S. Creech, Hamilton, Ont., "Horse and Cattle Check," 10th March, 1879.

No. 9728. Jno. French, Pittsburg, Pa., U. S. A., "Spring Link for Draught Horses," 10th March, 1879.

No. 9729. L. J. Héard, Montreal, Que., "Stove Pipe Elbow Making Machine," 10th March, 1879.

No. 9730. W. J. Carnes, Jr., Gonzales, Texas, U. S. A., "Buckle," 10th March, 1879.

No. 9731. J. M. Watson, Sharon, Mass., U. S. A., "Improved Boot Heel or Sole," 10th March, 1879.

No. 9732. A. M. Murphy, Toronto, Ont., "Refrigerator," 10th March, 1879.

No. 9733. J. F. Miller, Pittsburgh, Pa., U. S. A., "Spring Tug Link," 10th March, 1879.

No. 9734. E. R. Stege, Chicago, Ill., U. S. A., "Steam Blast for Boiler Furnaces," 10th March, 1879.

No. 9735. W. P. Niles, Belleville, Ont., "Tobacco Caddy," 10th March, 1879.

No. 9736. [A. H. Hogins, Morrisania, N. Y., U. S. A., "Table," 10th March, 1879.

No. 9737. Jas. McDonald, Blythe, D. D. Hay, Listowel, and Jas. W. Christie, Elena, Ont., "Car Coupler," 10th March, 1879.

No. 9738. W. McDonald, Milltown, N. B., "Gang Saw Edger," 11th March, 1879.

No. 9739. Jas. L. Murphy, Carleton Place, Ont., "Fire Proof Cornice," 11th March, 1879.

No. 9740. C. D. Rogers, Providence, R. I., U. S. A., "Nut and Bolt Threading Machine," 13th March, 1879.

No. 9741. A. M. Murphy, Toronto, Ont., "Refrigerator," 13th March, 1879.

No. 9742. Jno. and L. Cosgrove, Toronto, Ont., "Lager Beer Pump," 13th March, 1879.

No. 9743. W. Sawdon, Toronto, Ont., "Canister Cover," 13th March, 1879.

No. 9744. C. A. Black, Chicago, Ill., U. S. A., and S. S. Black, Fredericks, N. B., "Edge Trimming and Stitch Impression Machine," 13th March, 1879.

No. 9745. E. Jaeger, Montreal, Que., "Window and Door Fastener," 13th March, 1879.

No. 9746. A. McKey and Jno. McDonald, Scheboygan, Mich., U. S. A., and Jno. Wilson, Toronto, Ont., "Clothes Wringer," 13th March, 1879.