

**No. 5703. Improvements in Conductor pipes and Holdfasts.***(Perfectionnements aux tuyaux de conduite et aux crampons.)*

Thomas Linklater, Belleville, Ont., 19th February, 1876, for 5 years.

*Claim.*—1st. The combination of the groove F, and openings G, with the conductor E; 2nd. The combination of the holdfast B, and C, bevelled ears D, and metal band H.**No. 5704. Improvements on Well Pumps.***(Perfectionnements aux pompes de puits.)*

Peter A. Garner, Thamesford, Ont., 19th February, 1876, for 5 years.

*Claim.*—1st. The arrangement of cylinder A, pipe B, plunger C, rod D, valves E, F, weight box G, and bearing rods H, I; 2nd. In combination with the above the windlass J, ratchet K, crank L, dog M, raising and lowering ropes a, b, and pulley s, and bar c, d, e, f, g, h.**No. 5705. Self-corking and must Preventing Apparatus.***(Appareil de bouchage automatique et empêchant de moisir.)*

Henry B. Dyer, Toronto, Ont., 19th February, 1876, for 5 years.

*Claim.*—1st. The combination with a barrel of the pipe A, the mouth of which may be either plain or threaded, and having a flange a, its inner end b, screwed on the perforated bottom B, the valve and packing C, the star gate E, and the spiral spring F, around the rod D, of the valve C; 2nd. The combination of the strainer G, with the self-corking apparatus A; 3rd. The combination of the pipe A, having its mouth I, threaded with a screwed tap H, to allow said tap H, to be kept in the barrel if used.**No. 5706. Waggon Tongue Support.***(Support de timon de voiture.)*

James McCarter, Frankfort, Ind., U. S., 19th February, 1876, for 5 years.

*Claim.*—A tongue bearing front pulley in combination with a spring attached thereto, bent spirally around side pulleys of the tongue pivot and having its rear end fitted to the front axle.**No. 5707. Musical Instrument Mouth Piece.***(Embouchure d'instrument de musique.)*

Charles G. Conn, Elkhart, Ind., U. S., 19th February, 1876, for 5 years.

*Claim.*—1st. The cushion C, of elastic material, 2nd. The cup B, having annular groove b, for the reception of a cushion C, of elastic material.**No. 5708. School Seat and Desk.***(Banc et pupitre d'école.)*

Francis C. Charteraud, Billings's Bridge, 19th February, 1876, for 5 years.

*Claim.*—1st. In combination with the seat B, supported by ends A, having a fixed back C, the flap E, and brackets G, hinged or pivoted thereto, whereby the flap E, can be fixed at any angle of adjustment by the brackets G, for use as a desk; 2nd. The covered recess or chamber J, formed by the back C, the shelf boards D, and H, and flap E, as a receptacle for books, &c.**No. 5709. Steam Boiler Injector.***(Injecteur de chaudière à vapeur.)*

William T. Messinger, Boston, Mass., U. S., 19th February, 1876, for 5 years.

*Claim.*—1st. The combination of a steam boiler A, and a force pump applied thereto and to the water induction pipe of said injector; 2nd. The combination of a steam boiler injector A, and a force pump applied to it and its induction pipe G, with a cock M, arranged between the pump barrel H, and its valve case B, and in their connecting conduit K; 3rd. The combination of the pump barrel H, and valve case B, connecting conduit K, and the stop cock M, all arranged in manner and for application to a steam boiler injector and its induction pipe; 4th. The combination of the partition R, the lifting valve T, the double chambered valve case S, and the passages g, h, leading therefrom with the internal and external nozzles N, O. 5th. The combination of the curved gate X, and its seat Y, with nozzles N, O, partition R, the lifting valve T, the double chambered valve case S, and the passages g, h, leading from the said valve case.**No. 5710. Improvements on Furnaces.***(Perfectionnements aux fourneaux.)*

Charles Thonger, Conitridge, Ont., 19th February, 1876, for 5 years.

*Claim.*—1st. The furnace A, of the steam-boller, in combination with a chamber J, or its equivalent, heated by the gases produced by combustion within the said furnace; 2nd. The aperture F, (or its equivalent) leading to the chamber J, in combination with the channel G, leading to the ash-pit of the furnace A.**No. 5711. Lightning Conductor. (Paratonnerre.)**

Henry W. Spang, Reading, Pa., U. S., 19th February, 1876, for 5 years.

*Claim.*—The combination of metallic rain-pipe A, with perforated metal a pipe D, all electrically connected, and forming a lightning conductor; 2nd. metallic pipe D, having perforations or openings E, 3rd. The combination of pipe A, with drain or gutter B, and perforated pipe D, all electrically connected and forming a lightning conductor.**No. 5712. Shaking Sieve for Millet Seed Cleaning.***(Crible oscillant pour nettoyer la graine de mil.)*

François Savole, St. Barthélemi, Que., 19th February, 1876, for 5 years.

*Claim.*—The combination of the hopper B, the cogged fly wheel E, the plion F, the shafts G, having two rectangular bends K, and a crank H the pitman I, and the dividing board J, with the sieve C, to make a shaking sieve for the purpose of commencing the cleaning of millet seed therewith.**No. 5713. Improvements in Wooden Pumps.***(Perfectionnements aux pompes en bois.)*

Joshua W. Frazee, Toronto, Ont., 19th February, 1876, for 5 years.

*Claim.*—A cast iron porcelain lined cylinder A, provided with flaring ends B, in combination with wooden tubing C.**No. 5714. Ice Breaking Vessel.***(Vaisseau brise glace.)*

Eric J. Weederman, Copenhagen, Den., 19th February, 1876, for 5 years.

*Claim.*—An ice breaking vessel constructed with suitable water reservoir or forward extending bow portion and sharp prow placed below or at some distance back of the stem post at one or both ends for the purpose of producing an inclined position of the vessel and the simultaneous breaking and cutting of the ice.**No. 5715. Knife Polishing Powder.***(Poudre pour nettoyer la coutellerie.)*

George T. Stickells, Toronto, Ont., 19th February, 1876, for 5 years.

*Claim.*—A polishing powder prepared from the material specified.**No. 5716. Door-strip. (Bourrelet de porte.)**

Watson P. Widdifield, Siloam, Ont., 19th February, 1876, for 5 years.

*Claim.*—1st. The folded metal strip D, in combination with the apron B, and door A; 2nd. The sheet metal strip E, in combination with the bar C, and apron B; 3rd. The spring F, formed with the bent ends f, and ft, in combination with the apron B, bar G, and door A.**No. 5717. Bungs and Vents. (Boudons et bondes.)**

Harry R. Cornish, River Falls, Wis., U. S., 19th February, 1876, for 10 years.

*Claim.*—The combination of grooved screw-bolt C, placed in the middle of the bung with recessed ring plate h, having adjacent pins, the washer g, and the bottom plate C, all having holes separated from or made to communicate with each other by turning the bottom plate.**No. 5718. Mode of Attaching and Shifting Sleigh Shafts.***(Mode d'ajustage et de déplacement des limonnières des traîneaux.)*

William Fairweather, Sussex, N. B., 21st February, 1876, for 5 years.

*Claim.*—The combination of the stationary wood or metal bar a, with the slotted wood or metal bar c, together with the position of the bolts b, b, and the position of the thumb screw f, f.