

**No. 6937. Improvements on Pen and Pencil Cases.**

(*Perfectionnements aux porte-plumes et porte-crayons*)

Camillus M Johnson, New York, U. S., 9th January 1877, for 5 years.  
*Claim*—1st. The combination with the tubular slotted case A and operating bands d e f of the pencil holders B D arranged one within the other and to slide from one end of the case A together with the knur K arranged to slide from the opposite end of the case; 2nd. In combination with the slotted case A, the pen holder B provided with the guiding ears C or their equivalent in combination with the pencil holder D arranged to slide within the pen holder and rest in contact with the said ears; 3rd. In combination with the slotted case A and operating pins g and with the pencil holder D arranged to slide within the pen holder, the pen holder B provided with the slot or opening E.

**No. 6938. System of Ventilation, Refrigeration, &c. (Système de ventilation, réfrigération, &c.)**

John J. Bate, Brooklyn, N. Y., U. S., 9th January, 1877, for 5 years.  
*Claim*—1st. The process of preserving meat during transportation and storage by enveloping the same in a covering of fibrous or woven material and subjecting it when thus enveloped to the action of a current of air of suitably low temperature; 2nd. A refrigerator constructed with a germ absorbent of fibrous or woven material provided for use in connection with a current of air of suitably low temperature caused to pass through or to circulate within the refrigerator; 3rd. The combination with a building, room or apartment of a fan blower and a fibrous material capable of absorbing the germs of disease, incipient decay, &c., from atmospheric air.

**No. 6939. Improvements in Piano-Fortes. (Perfectionnements dans les pianos-fortes.)**

Joseph Herald, Hamilton, Ont., 9th January, 1877, for 5 years.  
*Claim*—1st. In combination with a piano bridge of a cap to impinge on the strings on a bridge; 2nd. In combination with a piano a cap composed of wooden plate D or its equivalent and the metallic plate F conformed to the bridges A G the lower one to impinge on the strings F on the bridge, the whole secured by a screw H passing between each pair or trio of strings; 3rd. A strap of cloth a rubber or other yielding substance interposed between the plates D and E which causes uniform pressure in all states of the atmosphere.

**No. 6940. Improvement on Hubs. (Perfectionnement des moyeux.)**

William Corrie, Rochester, N. Y., U. S., 9th January, 1877, for 5 years.  
*Claim*—Subjecting the band to steam heat at high temperature and applying the same over the hub steamed sufficiently to soften the surface without expanding it.

**No. 6941. Improvements on Corn Brooms. (Perfectionnements aux balais de bouque.)**

James D. Dresser, Brantford, Ont., 9th January, 1877, for 5 years.  
*Claim*—1st. The band B made of tin or other suitable metal having the groove C formed in it and crumpled or drawn up at ends D; 2nd. The maleable iron or other suitable metal castings G jointed by rivets I and having projections H in the jaws to fit groove C in band B, also ring K by which castings G are held as required.

**No. 6942. Apparatus for Preserving Meats, Fish, &c. (Appareil pour conserver les viandes, le poisson, &c.)**

Alexander Walker and Charles N. Armstrong, Montreal, Que., 9th January, 1877, for 5 years.  
*Claim*—1st. The combinations of bottom a, plate d and sides c; 2nd. The combination of the bottom a, plate d, sides c and steam pipe f entering at both ends of the space e.

**No. 6943. Improvements in First and Intermediate Drivers. (Perfectionnements aux conducteurs-moteurs raiuoux et intermédiaires.)**

William D. Westman, Toronto, Ont., 9th January, 1877, for 5 years.  
*Claim*—The mechanical movement obtained by the combination and arrangement of the wheel B pulleys C and D, the belt E and the axles B<sub>1</sub> C<sub>1</sub> and D<sub>1</sub>.

**No. 6944. Improvements on Ear Mufflers. (Perfectionnements aux oreillers.)**

William Abbott, Esq., Pa., U. S., 9th January, 1877, for 5 years.  
*Claim*—1st. The combination of the head piece A having the bends a b at each end and the pad frames B B provided with the perforated plates or ears d d; 2nd. In combination with the head piece A and swivelled pad frames B B, the hooks h h for locking the ear muffler when folded together.

**No. 6945. Improvements on Clothes Scourers. (Perfectionnements aux planches a laver.)**

Henry Carter, Aylmer, Ont., 9th January, 1877, for 5 years.  
*Claim*—The board A having rubber or other flexible strips B or rows of brush and two vertical handles C on its upper face for its manipulation, and cleat E on its rear edge for securing the clothes.

**No. 6946. Cement. (Ciment)**

Robert G. Fraser, Halifax, N. S., 9th January, 1877, for 5 years.  
*Claim*—The use of Talcoose stone in the manufacture of cement and the combination of it with lime stone, both being calcined and pulverized in the proportion mentioned.

**No. 6947. Improvements on Dumb Stoves. (Perfectionnements aux poêles sourds.)**

William McGuire, Uxbridge, Ont., 9th January 1877, for 5 years.  
*Claim*—1st. The introduction of a fire box F into a dumb stove or heater; 2nd. The combination of the fire box F and hot air tubes D E and F.

**No. 6948. Combined Strainer and Funnel. (Entonnoir-coulair.)**

Joseph Pfeifer, Pittsburgh, Pa., U. S., 9th January 1877 for 5 years.  
*Claim*—A removable section A D and independent perforated disc B with flange B' constructed to fit together in combination with funnel C.

**No. 6945. Improvements on Hoop Shaving Machines. (Perfectionnements aux machines à planer les cercles.)**

Stillman Parker, Altoona, Pa., U. S., 9th January, 1877, for 10 years.  
*Claim*—1st. The combination of a pair of feed rolls, a pair of converging side planes and one or more edging tools; 2nd. The combination of a pair of feed rolls provided with pressure springs the adjustable converging side planes and the edging tools; 3rd. The grooved feed rolls; 4th. The side planes D D in combination with the flanged triangular block C and the table or plate B; 5th. The combination of the feed rolls, the converging side planes and the deflectors or guards 1 1.

**No. 6950. Dust Guard for Railway Carriages. (Garde-poussiere de voitures de railroutes.)**

Edward Leverich, New York, U. S., 9th January, 1877, for 5 years.  
*Claim*—A series of pivoted deflectors c c arranged upon the exterior of a railway carriage

**No. 6951. Improvements on Water Filters. (Perfectionnements aux filtres a eau.)**

Isidor Braek, Philadelphia, Pa., U. S., 9th January, 1877, for 5 years.  
*Claim*—1st. The filtering disc composed of two pieces a and d of felt or other filtering material and a rubber ring D lapped over the edge of the disc; 2nd. The combination of the two pieces a of felt or equivalent material the intervening piece b of wire gauze and the rubber ring D; 3rd. The filter casing composed of two parts B B each part consisting of the screw thimble e, grate f and sheet metal body d secured to the thimble lapped over the edge of the grate and forming with the latter a flange m.

**No. 6952. Improvements in Seed Drills. (Perfectionnements aux semoirs-traceurs.)**

Joseph W. Reid, Hamilton, Ont., 9th January, 1877, for 5 years.  
*Claim*—1st. In combination with the frame of a seed drill of an adjustable wheel G; 2nd. The roller F; 3rd. The covers M M; 4th. The ratchet H and pawl I for adjusting the wheel G; 5th. The hopper E provided with a sliding shuttle J, the said shuttle having a sliding plate a under it and operated by a screw rod K for gauging the size of the seed opening; 6th. The mechanism employed or its equivalent for moving the shuttle J consisting of the combination of the rod g, roller f, standard I, spring d catch or hook, i, curved rod e, spring K, and operated by the pins h on the roller F.

**No. 6953. Improvements in Slide Valves. (Perfectionnements dans les tiroirs de vapeur.)**

Elijah Leonard, London, Ont., 9th January, 1877, for 5 years.  
*Claim*—A slide valve having a steam way n which will conduct the exhaust steam from the steam ports c c at or near the end of the cylinder to the exhaust port e extending lengthways of the cylinder.

**No. 6954. Gate and Door Spring and Holder. (Bressort et loquet de porte et de barrière.)**

Manning Brown, Collingwood, Ont., 9th January, 1877, for 5 years.  
*Claim*—The combination of the flat coil spring and adjustable cap or holder.

**No. 6955. Improvement in Sewing Machines. (Perfectionnement dans les machines à coudre.)**

Andrew Wilson, (Assignee of Alexander Kay), Hamilton, Ont., 12th January, 1877, for 5 years.  
*Claim*—1st. In combination with a sewing machine of a vertical connecting rod provided with a vertical slot G through which the shaft A passes and provided with jaws or lugs e e between which revolves an eccentric to move the said rod perpendicularly; 2nd. The combination of the eccentric D, rod B, collar C, crank F, rocker shaft E, shuttle driver H, shuttle carrier O operated by the shaft A for driving the shuttle.

**No. 6956. Improvements on Spinning Wheels. (Perfectionnements aux rouets.)**

John Brown and John Freeman, Harmony, N. S., 12th January, 1877, for 5 years.  
*Claim*—1st. The combination contained in shaft H; 2nd. The hand shaft D; 3rd. The brake I, 4th. The treadle G, lever K and connecting band H H.

**No. 6957. Improvements on Stoves. (Perfectionnements aux poêles.)**

James R. Reid and John N. Cooper, (Assignees of George N. Palmer) Elmira, N. Y., U. S., 12th January, 1877, for 5 years.  
*Claim*—1st. The combination of the following elements to wit: The oven A surrounded with flues B B B<sub>2</sub> B<sub>3</sub> extending from side to side without interruption the fire box C ocated as shown and delivering its gases about mid-height of the oven, the independent dampers b and f, the former being perforated and having slide d to accurately graduate the draft through the direct flue and the discharge flue E; 2nd. The combination with the fire box