

# The Canadian Patent Office

## RECORD




Vol. III.—No. 3.

MARCH, 1875.

Price in Canada \$2.00 per An.  
United States - \$2.50

### CONTENTS.

INVENTIONS PATENTED,.....	23
INDEX OF INVENTIONS,.....	XXIX
INDEX OF PATENTEES,.....	XXIX
ILLUSTRATIONS,.....	29

### INVENTIONS PATENTED.

No. 4251. ELIJAH U. SCOVILLE and WASHINGTON L. SCOVILLE, Manlius, N. Y. U. S., 9th January, 1875, for 5 years: "Door Hanger." (Penture de porte.)

*Claim.*—1st. The improved door hanger consisting of the part *c*, having head *e* with truncated cone *r*, cast thereon, the cap *a*, with truncated cone *r*, likewise cast thereon, the wheel *b*, having hub *s* and the bolt *t*, all constructed and arranged as set forth. 2nd. A plain faced wheel in combination with a door hanger, for the purpose specified.

No. 4252. WILLIAM T. JEBB and LEON F. HARVEY, Buffalo, N. Y., U. S., 9th. January, 1875, for 5 years: "Improvements on Station Tickets for Railroads, Steamboats, &c.," (Perfectionnements aux billets de stations pour les railroutes, bateaux à vapeur, &c.)

*Claim.*—1st. A passenger ticket printed with a list of stations as described with the initial station from where the passenger pays his fare exposed to view while the number or name of the terminal station of the ticket is printed thereon in a separate place, and concealed from view, so as to require the ticket to be defaced by the conductor in order to determine the terminal station and enable him to properly punch the same, as set forth; 2nd. The combination with the ticket *A*, as described in the preceding claim, of the agent's coupon *B*, numbered to correspond with the ticket *A* and containing the stations between which the passenger has paid his fare and the amount of the fare, as set forth.

No. 4253. EZRA CASWELL, LEVI WHITLOCK and SAMUEL SCOTT, Lyons, N. Y., U. S., 14th January, 1875, for 5 years: "Hub Boring Machine." (Machine à percer les moyeux.)

*Claim.*—1st. The combination of the internally threaded tube *O*, provided with the groove *a*, the shank screws *e*, clamp collar *f*, and detent screw *b*, arranged and operating in the manner described. 2nd. The internally threaded tube *U*, and retaining screw *b*, in combination with the smooth bore tube *O*, and shank screw *S*, for the purposes set forth; 3rd. The adjusting set screws *n*, *n*, when combined with the main plate *M* and hook screws *h*, arranged as specified. 4th. In combination with the gauge screws *d*, *d*, logs of the frame *l*, borer cutter *c*, and shank screw *S*, for the purposes set forth; 5th. The metal double crank handle *C*, in combination with the screw *S*, tube *O*, and cutter *c*, all arranged and operating as set forth.

No. 4254. SAMUEL T. NORMAN, (Assignee of R. d'Ary) Toronto, Ont., 14th January, 1875, for 5 years: "Mode of Making Galvanic Insoles, Belts and Bands." (Mode de confection des semelles, ceintures et bandes galvaniques.)

*Claim.*—The construction of galvanic body wear by means of the combination of the elements *a* and *m*, of a galvanic battery as set forth.

No. 4255. WILLIAM W. WICKES, (Assignee of J. J. BATE,) Brooklyn, N. Y., U. S., 14th January, 1875, for 5 years: "Improvements on Refrigerators." (Perfectionnements aux réfrigérants.)

*Claim.*—1st. The combination with a chamber, room or building *A*, of the ice box *B*, the outlet pipe *D*, formed with outlet openings *e*, provided with deflector *g*, and the fan wheel *F*, or its equivalent air forcing or drawing mechanism. 2nd. The combination with a chamber, room or building *A*, of the ice box *B*, the fan wheel *F*, or its equivalent and the slotted outlet pipe *D*, provided with the slides *n*, for varying the available size of the outlet opening *e*; 3rd. The combination within the closed chamber *A* of the ice reservoir closed at top and at all sides, (as shown in figs. 1, 2 and 3) and provided at its bottom or lower part with inlet and openings *a*, *b*, with the fan *F* or its equivalent air forcing mechanism, the whole arranged to provide for the forced circulation of the air contained in the aforesaid chamber *t*, in a horizontal current or blast through the bottom or lower part of the ice-reservoir, and the automatic supply of ice to the said current or blast; 4th. The combination within the closed chamber, room, or building *A*, of the pipes *C*, *D*, with the inlet and outlet openings provided to the self feeding ice-box *B*, closed at top and all sides as shown; 5th. The combination within a suitable chamber of a refrigerating box or air-cooler in which the air is cooled by contact with flowing water, the fan *F* or its equivalent blast producing mechanism and a pipe *D*, constructed to diffuse or distribute the cooled air throughout the chamber. 6th. The combination as represented in figs. 3 and 4 of the ice box or equivalent cooler provided in the upper part of the chamber, room or building *A*, the fan *F*, or its equivalent and the slotted pipes *C*, *D*, the whole arranged to secure an upward current of the air through the ice box and ejection therefrom back to the chamber at the upper part of the latter. 7th. The combination within the chamber, room or building *A*, and in the manner represented in fig. 5 of the ice box *B*, constructed with the grate *m*, the air inlet pipe *C*, taking the air from the top of the chamber, but entering the ice-box before the said grate and the outlet pipe *D*, leading from the top of the ice-box and distributing the cooled air to the lower part of the aforesaid chamber, the whole for operation, as set forth.

No. 4256. JUDSON L. THOMPSON and FRANCIS N. DAVIS, Beloit, Wis., U. S., 14th January, 1875, for 5 years: "Paper Barrel." (Baril en papier.)

*Claim.*—1st. A barrel or cask having its body formed of a single sheet of compressed paper board, bent into cylindrical form and provided with wooden heads and compressed paper hoops. 2nd. The head of the barrel constructed with an edge flange *F*, projecting beyond the body of the barrel and provided with a concentric groove in its outer face to afford the necessary hold in applying or removing the head and in handling the barrel. 3rd. A barrel or cask having its body formed of a single sheet of compressed paper board bent into cylindrical form and secured together at its edges by a dovetailed joint and double pointed nails. 4th. The interior stiffening piece *C*, combined with the body of the barrel to protect and cover the dovetailed joint, as described.

No. 4257. WILLIAM M. COMEY, Norfolk, Mass., U. S., 14th January, 1875, for 5 years: "Improvements on Games." (Perfectionnements aux jeux.)

*Claim.*—1st. The flag staff *S* having the flags *W* and *Y*, and arrange to operate as specified. 2nd. The castle *B*, having the ports *J*, in combination with the moat *N*, drawbridge *a*, and Knights *1* to *10*; 3rd. A game apparatus, constructed and played as described, the standard *C*, pivoted to the field at its lower end and