
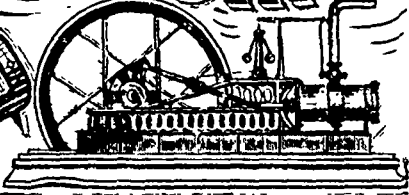


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## INVENTIONS PATENTED.

### No. 9210. Improvements in Gas Apparatus.

(*Perfectionnements dans les appareils à gaz.*)

Thomas H. Hicks, London, Ont., 21th September, 1878, for 5 years.  
*Claim.*—1st. The construction of drum L having six chambers D tubes & holes e, space z, tubes F and cylinder B, 2nd. The combination of two such drums L and K, with cylinder B on the one shaft, and having but one division X, forming one end of each drum, which necessitates the use of tubes F; 3rd. The mode or manner in which wicking C is suspended from H; 4th. The combination of drums L and K, as described with carburetter S.

### No. 9211. Improvements in Railway Rails.

(*Perfectionnements dans les rails de railroites*)

Samuel Aldred, Charlton, England 30th September, 1878, for 15 years.  
*Claim.*—1st. The use of a compound rail for trains or other roads split into two parts (duplicates), of which the bearing faces that come together are inclined at an angle with the perpendicular axis of the traffic pressure on the rail; 2nd. The making of the joint of the compound rail always in a chair and only for one half of the rail in any one chair, the joint to be secured without bolts through the webbing but by either a horizontal key or set screw 3rd. The form of both the low and high pedestal chair, as described.

### No. 9212. Improvements in Plaiting Machines.

(*Perfectionnements dans les machines à plisser.*)

Richard M. Wanzer, Hamilton, Ont. (Assignee of Eugene W Silsby Ottumwa, Iowa, U. S.,) 30th September, 1878, for 5 years.  
*Claim.*—1st. An endless belt or apron K in combination with the rollers L J, and tucking plate C, 2nd. The combination of the endless belt or apron K, rollers L J, pressure roller P with offset P<sub>1</sub>, inclined plate D, and tucking or crimping plate C and guide F, 3rd. The adhesive strips W W, in combination with any plaited material, 4th. In combination with a plaiting machine, of the guides V V and wire z, and the said guides provided with holes m m; 5th. The eccentric H, on the shaft B the central guide F, for driving the crimping plate and the latter also throwing it out of crimping order; 6th. The eccentric d and the main shaft B for elevating the crimping plate on its return movement, 7th. In combination with a plaiting machine, the ratchet wheel M and pawl, the notch bar N and eccentric O, 8th. In combination with the rollers, the journal frame c, rubber clips S S, plates j, lever R R and catch wire T.

### No. 9213. Improvements on Organ Tops.

(*Perfectionnements aux dessus d'orgues.*)

Elisha Draper, North Bridge, Ont., 30th September, 1878, for 5 years.  
*Claim.*—The combination of arched top A, clock B, metronome C, frame D, wires E and bridges G G, in connection with an organ or piano.

### No. 9214. Improvements in Bobbins.

(*Perfectionnements dans les bobines.*)

Oscar E. Wait, Gardner, Mass., U. S., 30th September, 1878, for 5 years.  
*Claim.*—A spool or bobbin having its head or heads, end or ends, covered with a ribbon or band of untanned skin, wound circumferentially around the same, and secured thereto by means of glue or other suitable adhesive material.

### No. 9215. Machine for Cleaning Steam Boilers.

(*Machine pour nettoyer les chaudières à vapeur.*)

Joseph Carter, Blyth, Ont., 3rd October, 1878, for 5 years.  
*Claim.*—1st. In combination with a steam boiler the tubes B and C 2nd. In combination with a steam boiler the filtering apparatus or reservoir A having the perforated disc G G, bottom I and tap J, 3rd. In combination

with a steam boiler and filter, the pipes D D and E. 4th. The arrangement and combination of a steam boiler with the filter H, and reservoir A and tubes B C D and E.

### No. 9216. Combined Chair and Lounge.

(*Fauteuil et causeuse combinés.*)

Elizabeth Hill and Samuel Burland, (Assignees of David Vass,) Montreal, Que. 3rd October, 1878, (Extension of Patent No. 2782.) for 5 years

### No. 9217. Combined Chair and Lounge.

(*Fauteuil et causeuse combinés.*)

Elizabeth Hill and Samuel Burland, (Assignees of David Vass,) Montreal, Que., 3rd October 1878, (Extension of Patent No. 2782.) for 5 years.

### No. 9218. Improvements on Thill Couplings.

(*Perfectionnements aux ferrures des limoniers.*)

David W Copeland, Theresa, N. Y., U. S., 4th October, 1878, for 5 years.  
*Claim.*—The combination with the thill iron D of the plate B, having arms F G, plate H, rubber pad I and set screw J.

### No. 9219. Improvements in Reapers and Mowers.

(*Perfectionnements dans les faucheuses-moissonneuses.*)

Samuel Crawford, London Ont., 5th October 1878 (Extension of Patent No. 2783.) for 5 years.

### No. 9220. Improvements in Wall Protectors.

(*Perfectionnements dans les garde-murs.*)

Abner Woodward, Shelburne Falls, Mass., U. S., 9th October, 1878, for 5 years.

*Claim.*—1st. A frame of any suitable size and shape, which frame has applied to its front or rear, a backing or covering capable of repelling water; 2nd. The extensions C C<sub>1</sub>, of the vertical rails C C<sub>1</sub>, to enable the attachment of the device to any article of furniture, 3rd. In flexible spring or straps H, applied to a wall protector for the purpose specified, 4th. In combination with a wall protector, one or more pockets I or J, for the purpose stated, 5th. Swinging arms for towels, cloths, &c. in combination with a wall protector with hook in top for rings or brackets.

### No. 9221. Improvements in Steamboats.

(*Perfectionnements dans les bateaux à vapeur.*)

John Rourke, Kingston, Ont 19th October, 1878 (Extension of Patent No. 2788.) for 5 years.

### No. 9222. Improvement on Cross-Cut Saws.

(*Perfectionnement aux scies de trawers.*)

Jerome C. Dietrich, Galt, Ont., 10th October, 1878. (Re-issue of Patent No. 7182.) 4 years and 5 months.

*Claim.*—1st. A raised section D of the saw blade having cutting teeth A constructed with V-shaped points and parallel or nearly parallel sides, said teeth being shorter than the chip spaces E, separating them from the clearing teeth with which the saw is provided, 2nd. The slot perforations C, cut transversely with the saw blade.

### No. 9223. Improvements on Fences.

(*Perfectionnements aux clôtures.*)

George W Wheeler Ogdensburg, N. Y., U. S., 10th October, 1878, for 5 years.

*Claim.*—1st. In a fence panel having locking notches a a, the slot b. A fence post constructed of two vertical side bars C C, two inclined legs D D connected by two laterally projecting intervening bars E E, united thereto horizontally; 3rd. A fence post composed of the bars C C, legs D D, and bars E E, having a supplementary vertical bar F, connected by locking bars G G to one of the bars C, at a square angle to the bars E E, for supporting a corner panel, 4th. A fence composed of the bars C C, legs D D and bars E E, having a block H hinged to the bar E, for locking the panel and post together.