

PATENTS OF INVENTIONS.

DEPARTMENT OF AGRICULTURE,

PATENT OFFICE,

Ottawa, 1st July, 1899.

His Excellency the Governor General has been pleased to grant Letters Patent of Invention to be in force in the Provinces of Ontario and Quebec, for a period of fourteen years from the date thereof, to the persons whose names are included in the following list

Published by command,

J. C. TACHE,

Deputy of the Minister of Agriculture.

(Continued.)

8220. George Mathuseth Todd, of the town of Guelph, in the county of Wellington, tinsmith, for an improved ventilator and damper combined, called Todd's ventilator and damper combined. Dated Ottawa, 25th May, 1899.

8221. Alexander McPherson, of the village of Clinton, in the county of Huron, machinist, for an improvement in threshing machines, to be called A. McPherson's improvement in application of the gearing of a threshing machine. Dated Ottawa, 25th May, 1899.

8222. Thomas Steer, of the village of Millbrook, in the county of Durham, mechanic, for an improved gate, called the adjustable gate. Dated Ottawa, 29th May, 1899.

8223. George Scott, of the city of Montreal, in the district of Montreal, patternmaker, for an improvement in the manufacture of cast iron columns. Dated Ottawa, 31st May, 1899.

8224. John Connor, of the town of Oakville, in the county of Halton, gentleman, for an improved fan window blind called the fan window blind. Dated Ottawa, 31st May, 1899.

8225. John Michael Muzinger, of the city of Hamilton, in the county of Wentworth, bookbinder, for a self-binding portfolio. Dated Ottawa, 31st May, 1899.

8226. Thomas Bell, of the village of Seaford, in the county of Huron, cabinetmaker, for improvements in spring-bed bottoms. Dated Ottawa, 31st May, 1899.

8227. Charles Barillier, of the town of Chatham in the county of Kent, law clerk, for a cooking and washing apparatus, called Barillier's cooking and washing apparatus. Dated Ottawa, 31st May, 1899.

8228. Samuel Dorland Shortt, of the township of Richmond, in the county of Lennox and Addington, cooper and Robert Shortt, of the same place, cooper, for an improved washing machine, called Shortt & Son's Monitor Washing Machine. Dated Ottawa, 31st May, 1899.

8229. John Cavan, of the town of Oakville, in the county of Halton, labourer, for an improved churn, called the Cavan churn. Dated Ottawa, 31st May, 1899.

8230. Thelmar Hanson, of the township of Muryburgh, in the county of Prince Edward, for a scrubbing machine, called the Dominion scrubber. Dated Ottawa, 31st May, 1899.

8231. James Brash, of the village of Linwood, in the county of Waterloo, wagon maker, assignee and co-inventor with Thomas Binnet, of the same place, carpenter, and George Singer, of the same place, blacksmith, for a machine for the manufacture of horse shoes, called the Ontario horse shoe maker. Dated Ottawa, 31st May, 1899.

8231. John Brokenshire, of the city of Kingston, in the county of Frontenac, block and pump maker, for improvements on ships pumps. Dated Ottawa, 1st June, 1899.

8232. Isaac William Forbes, of the town of Windsor, county of Essex, machinist, for an improved valve gear, called Forbes' improved valve gear. Dated Ottawa, 1st June, 1899.

8233. John Denis Lawlor, of the city of Montreal, in the district of Montreal, manufacturer of sewing machines, for improvements on sewing machines. Dated Ottawa, 2nd June, 1899.

8234. Wm. McKenzie, of the village of Morrisburgh, in the county of Dundas, fanning mill maker, for an improved fanning mill and separator called McKenzie's improved fanning mill and separator. Dated Ottawa, 2nd June, 1899.

8235. Amasa Whitney Mallory, of the township of Yonge, in the county of Leeds, yeoman, for improvements on washing machines. Dated Ottawa, 2nd June, 1899.

8236. Switzer, of the township of Norwich, in the county of Oxford, wagon maker, for an improved flexible roller and grass seed and plaster sower, called Switzer's improved flexible roller and grass seed and plaster sower. Dated Ottawa, 2nd June, 1899.

8237. Patrick Dunn, of Cote St. Paul, in the district of Montreal, nail maker, for an improved machine for extracting spikes and nails. Dated Ottawa, 2nd June, 1899.

8238. Peter High, of the township of Moss, in the county of Middlesex, yeoman, for an improved grain feeder on fanning mills, called Peter High's grain feeder. Dated Ottawa, 2nd June, 1899.

8239. Isaac William Forbes, of the town of Windsor, in the county of Essex, machinist, for an improvement in steam engines, such improvement called Forbes oscillating balance valve. Dated Ottawa, 1st June, 1899.

8240. Gilbert McMicken, of the town of Windsor, in the county of Essex, Esq., and Oliver Martin, of the city of Ottawa, in the county of Carleton, dentist, for improvements in the art or process and apparatus for

evaporating brine in the manufacture of Salt. Dated Ottawa, 1st June, 1899.

8241. Charles Hamilton Stewart, of the city of Montreal, in the district of Montreal, mechanic, for improvements on velocipedes. Dated Ottawa, 2nd June, 1899.

8242. Amos Wright Richards, of the city of Hamilton, in the county of Wentworth, bricklayer, for an improved field roller. Dated Ottawa, 2nd June, 1899.

8243. Henry Chapman, of the village of Ampleville, in the county of Huron, yeoman, for an improved churn, called Chapman's percussion wheel churn. Dated Ottawa, 2nd June, 1899.

8244. John McGill, of the city of Montreal, in the district of Montreal, chemist, for an improved non-combustible solution. Dated Ottawa, 2nd June, 1899.

8245. George Hinton, of Ancaster, in the county of Wentworth, manufacturer, and Charles Wolstencroft, of the same place, machinist, for an improved combined water power, called Hinton and Wolstencroft's improved combined water power. Dated Ottawa, 2nd June, 1899.

8246. Gavin Nicholson the younger, of the village of Fort Erie, in the county of Welland, gentleman, for an improved farm gate. Dated Ottawa, 7th June, 1899.

8247. Charles Graham Chappell Simpson, of the city of Montreal, in the district of Montreal, mechanical engineer, for a machine called DeBerger's compressed air brake for railway locomotives and cars. Dated Ottawa, 21st May, 1899.

8248. John Haliday, of the city of Quebec, fish dealer, assignee of Alexander Fraser, of the city of Quebec, merchant, machine for freezing and keeping of fish, called the Dominion Congelator. Dated Ottawa, 7th June, 1899.

8249. Joseph Honore Dion, of St. Roch de Quebec, pulley maker, for a process of moulding the bouches pulleys. Dated Ottawa, 7th June, 1899.

8250. Eugene William Morrill, of Stanstead in the district of St. Francis, iron-founder, for a useful knife polisher, called the champion knife polisher. Dated Ottawa, 7th June, 1899.

8251. John Soules, of the village of Queensville, in the county of York, gentleman, for an improved saw tang, for cross cut saws called Soules' improved saw tang. Dated Ottawa, 7th June, 1899.

8252. Coridon Lewis, of the village of Salford, in the county of Oxford, cooper, for an improved balance gate, called Lewis' balance gate. Dated Ottawa, 7th June, 1899.

8253. Jean Baptiste Parent, of the city of Quebec, contractor, for a machine for separating Indian corn from the cob. Dated Ottawa, 7th June, 1899.

8254. Charles Martin, of the city of Montreal, in the district of Montreal, manufacturer of fancy goods, for an improved combined paper fyle, called Martin's combined paper fyle and advertising card. Dated Ottawa, 7th June, 1899.

8255. Edwin Roblin, of the township of Sophiasburg, in the county of Prince Edward, snath manufacturer, for a turning machine, called Roblin's giant turning machine. Dated Ottawa, 7th June, 1899.

8256. Henry Culp, of the township of Louth, in the county of Lincoln, carpenter, for an improved sawing machine, called the hand cross-cut sawing machine. Dated Ottawa, 7th June, 1899.

8257. Robert Dave Liddell, of the city of London, in the county of Middlesex, engine driver, and John Wesley Klem, of the same place, moulder, for an improved fire grate, called Liddell & Klem's perforated grate. Dated Ottawa, 7th June, 1899.

8258. Gilbert Strohm, of the township of North Cayuga in the county of Halldand, yeoman, for an improved method of lifting wagon racks for which method he obtained letters patent bearing date on the 12th day of December, A. D. 1885, the said method, with such improvements added to be called Strohm's improved rack and grain lifter. Dated Ottawa, 7th June, 1899.

8259. Levi Anderson, of Ameliasburgh, in the county of Prince Edward, yeoman, and James Way Anderson, of the same place yeoman, for an improved revolving horse shovel, for digging and cleaning drains, called the revolving horse shovel. Dated Ottawa, 7th June, 1899.

8260. William Clark Stone, of the town of Ploton, in the county of Prince Edward, tanner and dyer, for an improved process of tanning and dyeing, called Stone's instantaneous process for dressing and dyeing furs, wools, pairs, skins, pelts and hides. Dated Ottawa, 8th June, 1899.

8261. John Dewe, of the city of Toronto, in the county of York, post office inspector, for fastening straps, sealing railway cars, mail bags, and for any other purpose where the security of a seal is required. Dated Ottawa, 8th June, 1899.

8262. John Wilson McDonnell, of the village of Durham, in the county of Grey, carpenter, for an improved gate, called McDonnell's patent gate. Dated Ottawa, 9th June, 1899.

8263. John Casley, of the village of Oakville, in the county of Halton, carter, for an improved breech-loader, called Casley's breech-loader. Dated Ottawa, 9th June, 1899.

8264. Albert Watt, of the township of Augusta, in the county of Grenville, yeoman, for an improved horse hay fork, surrendered 30th June, 1899. Dated Ottawa, 10th June, 1899.

8265. Ezra Hutson, of the city of Hamilton, in the county of Wentworth, machinist, for moving railroad cars short distances by manual power, to be called Hutson's pushing jack. Dated Ottawa, 10th June, 1899.

8266. Thomas Francis Meagher, of the city of Montreal, in the district of Montreal, gentleman for an improved burglar-proof lock, called Meagher's burglar-proof lock. Dated Ottawa, 11th June, 1899.

8267. William Patrick Bartley, of the city of Montreal, in the district of Montreal, mechanical engineer, for an improved steam-pumping engine and pump, called Bartley's improved steam-pumping engine and pump. Dated Ottawa, 11th June, 1899.

8268. Hyacinth Bertrand, of the parish of St. Placide, in the county of Two Mountains, yeoman, for a machine for purifying and renewing the air in houses, &c., called purificateur domestique. Dated Ottawa, 15th June, 1899.

8269. John Groves, of the township of Filzroy, in the county of Carlton, carriage-maker, for a machine for the purpose of holding bags open while being filled with grain or other matter. Dated Ottawa, 15th June, 1899.

8270. Harry Green Dunkley, of the village of Sterling, in the county of Hastings, bricklayer, for an improved pump, called Dunkley's combined hydraulic suction and force pump. Dated Ottawa, 17th June, 1899.

8271. William Fordyce Beecher, of the town of Brockville, in the county of Leeds, iron founder, for a liquid cooler. Dated Ottawa, 17th June, 1899.

8272. William Wray, of the village of Strathroy, in the county of Middlesex, gentleman, and Amos Henry Foe, of the same place, carpenter, for a bee hive, called the northern bee protector. Dated Ottawa, 17th June, 1899.

8273. Frederick Alonzo Humridge, of the village of Strathroy, in the county of Middlesex, cabinetmaker, for an improved hollow mandrel, called Humridge's hollow mandrel. Dated Ottawa, 17th June, 1899.

8274. Ernest Chanteloup, of the city of Montreal, in the district of Montreal, manufacturer of gas fittings, for improvements in fluid taps for making them self-acting. Dated Ottawa, 11th June, 1899.

8275. John Lyons, of the village of Aurora, in the county of York, blacksmith, for a chaff separator, called Lyons' chaff separator. Dated Ottawa, 14th June, 1899.

8276. Thomas Wright, of the township of South Norwich, in the county of Oxford, machinist, for an improved spinning wheel, called the New Dominion wheel. Dated Ottawa, 18th June, 1899.

8277. Charles Young, of the town of Windsor, in the county of Essex, tinsmith, for an improved Arctic ice box, called Young's Arctic ice box. Dated Ottawa, 18th June, 1899.

8278. Richard Evoy, of the township of Adelaide, in the county of Middlesex, yeoman, and Thomas Jury, of the same place, yeoman, for an improved handy, healthy hog bun. Dated Ottawa, 17th June, 1899.

8279. Andrew Jackson Smith, of the township of Harwich, in the county of Kent, blacksmith, for a grain drill, called the Dominion grain drill. Dated Ottawa, 18th June, 1899.

8280. Charles Frederick Cliff, of the village of Beepeler, in the county of Waterloo, weaver, for an improved discharge for steam heating pipes, called Cliff's improved discharge for steam heating pipes. Dated Ottawa, 19th June, 1899.

8281. Henry Warner, in the city of Quebec in the district of Quebec, ship-builder, for the introduction of a new and useful pump. Dated Ottawa, 18th June, 1899.

8282. Thomas Caterick Parkins, of the village of West Farnham, in the county of Missisquoi, merchant for introduction of a sawing machine for manufacturing straw hats and bunnets. Dated Ottawa, 28th June, 1899.

8283. John Pickles, of the city of Montreal, in the district of Montreal, engineer and millwright, for improvements in the art of creating and producing the circulation of liquids in certain processes of manufacture. Dated Ottawa, 2nd June, 1899.

8284. Richard Eaton, of the city of Montreal, in the district of Montreal, engineer, for an improved hot-air stove range or furnace, called the hot-air stove, range or furnace. Dated Ottawa, 23rd June, 1899.

8285. Joseph Fillion, of St. Eustache, in the district of Two Mountains, millwright, for a saw sharpening and repairing machine, called Repareteur Mechanique de Dents de Sables. Dated Ottawa, 23rd June, 1899.

8286. Archibald Mathew Forster, of the city of Hamilton, in the county of Wentworth, mechanical engineer, for an improved vacuum lubricating cup, called Forster's vacuum lubricating cup. Dated Ottawa, 23rd June, 1899.

8287. Joseph Fellows Adams, of the town of Owen Sound, in the county of Grey, photographer, for a pressure photograph receptacle and display case, called Adams' pressure photograph receptacle and display case. Dated Ottawa, 23rd June, 1899.

8288. Sylvanus Morningstar, of the village of Arkond, in the county of Lanark, machinist, for an improved self acting hand loom, called Morningstar's improved self acting hand loom. Dated Ottawa, 23rd June, 1899.

8289. Isaiah Smith Gustin, of the village of Madoc, in the county of Hastings, pump manufacturer, for an improved suction and force pump, called Gustin's improved suction and force pump. Dated Ottawa, 23rd June, 1899.

8290. Tronson Draper, of the village of Petrolia, in the county of Lambton, machinist, for improvements in the manufacture of working barrels for pumps, for oil and other wells. Dated Ottawa, 24th June, 1899.

8291. John Plaxton, of the town of Barrie, in the county of Simcoe, tin-smith, for an improved stove-pipe, called Plaxton's patent stove-pipe. Dated Ottawa, 24th June, 1899.

8292. Richard Eaton, of the city of Montreal, in the district of Montreal, engineer, for improvements in locomotives and other steam engines. Dated Ottawa, 24th June, 1899.

8293. Richard Doyle, of the town of Owen Sound, in the county of Grey, insurance agent, for improvements on sleighs and wheeled vehicles. Dated Ottawa, 24th June, 1899.

8294. William Struthers, of the township of Derby, in the county of Grey, yeoman, for a useful plough sower, called Struthers' plough sower. Dated Ottawa, 24th June, 1899.

8295. Isaac William Forbes, of the town of Windsor, in the county of Essex, machinist, for an improved oscillating balance valve, called Forbes' hol-