

# \* INVENTIONS. \*

*This department of THE CANADIAN MANUFACTURER is devoted to the interests of inventors, of patentees of inventions, and of manufacturers of patented articles. Patents are granted in Canada for fifteen years, the Government fee for which may be paid by instalments. Arrangements have been made by which the issue of all patents by the Canadian Patent Office and all renewals and extensions thereof will be promptly noticed in this department, and a brief description thereof given. Enquiries on these subjects are invited and will receive prompt attention. No charge will be made for answers by mail when return postage is sent. Information given free regarding patent laws and the obtaining of patents in Canada, United States, Great Britain and all foreign countries. Claims for inventions, as embodied in Letters Patent, also the illustrations of them, will be inserted in this journal at moderate charges. The attention of manufacturers is specially directed to the opportunities for lucrative business which may be acquired by close observation of whatever may appear in this department.*

## CANADIAN PATENTS.

The following patents have been issued from the Canadian Patent Office from March 16 to 31, 1892, inclusive.

Information in regard to any of these patents may be had free on application to THE CANADIAN MANUFACTURER, or copies of American patents corresponding to these, where the American patent has been previously granted, can be procured through us for the sum of twenty-five cents.

### MECHANICAL PATENTS.

- 38,494 Ore concentrating machinery, C. M. Fitch, March 16th.
- 38,495 Joint holder, P. E. Bourassa, March 16th.
- 38,496 Washing machine, L. E. Bissonnet, March 16th.
- 38,497 Springing fastener, O. G. Alderman, March 16th.
- 38,498 Tool grinding machine, C. Wing and H. C. Ayer, March 16th.
- 38,499 Lawn mower sharpener, A. M. Batchelder et al, March 16th.
- 38,500 Vehicle runner, C. L. Peirce, March 16th.
- 38,501 Horse poke, J. J. Magee, March 16th.
- 38,502 Smoothing iron, L. D. Good, March 16th.
- 38,503 Washing machine, J. Vandyke, sr., March 16th.
- 38,504 Boiler flue cleaner, R. McDonald, March 16th.
- 38,505 Garment protector, O. F. Ostergreen and A. K. Schaap, March 16th.
- 38,507 Knock-down safe, H. J. Moyer, March 16th.
- 38,508 Sleeping cap for covering the ears, A. S. Turner, March 16th.
- 38,509 Hand rake, P. McMichael, March 16th.
- 38,510 Cinder sifting and ash separating grate, T. Ruddell, March 17th.
- 38,511 Machine for separating and cleaning grain, C. Cloaz, March 17th.
- 38,512 Railroad frog, P. P. Merriman, March 17th.
- 38,513 Rolls for reducing worn railroad rails to nail plates, etc., J. H. Poole, March 17th.
- 38,514 Alloy, W. J. Miles, jr., March 17th.
- 38,516 Meat cutter, T. P. Ricks and J. A. Smith, March 17th.
- 38,517 Annealing metal, S. H. Brown and M. McBarron, March 17th.
- 38,518 Music leaf turner, M. A. McMartin et al, March 17th.
- 38,519 Nuts for screw bolts, etc., J. R. Peacock et al, March 17th.
- 38,520 Extension step ladder, A. J. Myers, March 18th.
- 38,521 Stringing pianofortes, W. H. Ivers, March 18th.
- 38,522 Ventilating railway carriages, S. Hughes, March 18th.
- 38,523 Heating and ventilating railway carriages, S. Hughes, March 18th.
- 38,524 Casket handle, J. McCarthy, March 18th.
- 38,525 Earth auger, N. Schellenberger, March 18th.
- 38,526 Button-hole attachment for sewing machines, W. Wallick, March 18th.
- 38,527 Recording liquid measure, W. M. Fowler, March 18th.
- 38,528 Hot water boiler, E. B. Butterworth, March 18th.
- 38,529 Washing machine, C. Flanders, March 18th.
- 38,530 Sectional dust guard for car axle journals, F. B. Larrison, March 18th.
- 38,531 Car coupler, R. M. Woodard, March 18th.

- 38,532 Device for instruction in reading and calculating, W. W. Hallett, March 18th.
- 38,533 Vehicle wheel, H. Horton, March 18th.
- 38,534 Game apparatus, F. C. Hamilton, March 18th.
- 38,535 Roaster, smelter and separator, J. L. Hooper, March 18th.
- 38,537 Production of motive power, by employment of gas, steam and vapor, and in apparatus employed therefor, and for its utilization, C. Follier, March 18th.
- 38,538 Combined broilers and bakers, G. Milner and G. H. Wood, March 19th.
- 38,540 Press, Pneumatic Press Company, March 19th.
- 38,541 Multiplex stamping machine, H. Howard and T. H. Alexander, March 19th.
- 38,542 Bag holder, E. & E. A. Stinson, March 19th.
- 38,543 Operating lock hinges, L. Abbott and G. J. Cross, March 19th.
- 38,544 Washing machine, F. X. Therien, March 19th.
- 38,545 Refrigerator, D. P. Edgar & J. Butler, March 19th.
- 38,546 Device for securing tools to handles, J. M. Ruser and E. Einstein, March 19th.
- 38,547 Steam road roller, The C. S. Kelly Company, March 19th.
- 38,548 Self-acting car coupler, H. Bunker et al, March 19th.
- 38,549 Molds for metallic wheels, C. S. Cannon and A. & F. E. Cannon, March 19th.
- 38,550 Clothes line and suspension device, A. A. Cox, March 21st.
- 38,551 Coal screen, H. B. Sackett, March 21st.
- 38,552 Heating and ventilating apparatus, C. D. Howard, March 21st.
- 38,553 Apparatus for evaporating liquors containing salts, and for separating such salts when rendered insoluble by evaporation of the liquors, S. Pick, March 21st.
- 38,561 Lifting jack, Mr. Chunnard, March 22nd.
- 38,562 Paint compound, E. W. Grafton, March 22nd.
- 38,563 Congress shoe, H. Newcomb, March 22nd.
- 38,564 Pocket century calendar and stamp holder, G. H. McKee et al, March 22nd.
- 38,565 Evaporating apparatus, T. Craney, March 24th.
- 38,566 Street sweepings bin, P. W. St. George, March 24th.
- 38,567 Drawing off sterilizing apparatus, G. H. Neuhaus et al, March 24th.
- 38,568 Sterilizing apparatus, J. F. H. Gronwald and E. H. C. Oehlmann, March 24th.
- 38,569 Apparatus for preparing milk, J. F. H. Gronwald and E. H. C. Oehlmann, March 24th.
- 38,570 Elevator, H. R. Tracy, March 24th.
- 38,571 Astronomical and other telescopes, A. Rudall, March 26th.
- 38,572 Centrifugal filter, D. Williamson, March 26th.
- 38,573 Thread holder and cutter, H. & B. Oakes, March 26th.
- 38,574 System of cutting clothing that develops a sure shoulder point or neck point in a garment, J. A. Glass, March 26th.
- 38,575 Burglar protection device for safes, T. M. Martin, W. H. Law, March 26th.
- 38,577 Axle gage, H. McQuarry and J. C. Hudson, March 26th.
- 38,578 Apparatus for making lead pipe-traps, W. W. Rosenfield, March 26th.