

- 45.360 Alexander McLean, London, England, manufacture of artificial stone.
 45.362 Charles Pagé, Montreal, Que., propellor.
 45.363 John Richardson, Lincoln, Lincoln, England, combustion chamber and oil supplying apparatus for liquid fuel engines.
 45.364 Wm L. Carr, Blanchard, Iowa, car mover.
 45.372 George Wolverton Collin, Atlanta, Georgia, arch support, water purifier and heater.
 45.373 Herman Bunker, Barrie, Ont., clutch pulley.
 45.374 Robert Bloom, Muchfeith, Indiana, rail joint.
 45.377 Jean D. Oligny, St. Henri, Montreal, artificial fuel.
 45.379 Thomas Harding, San Jose, Cal., rotary engine.
 45.380 David Risley, Colfax, Washington, steam boiler.
 45.382 Abner F. Erskine, Bowling Green, Ohio, generator for gas.
 45.384 David M. Williams, Edwardsdale, Penn., chain.
 45.385 John Mohlberg, New York, brick
 45.387 Wm. Houghton, Paris, Ont., wrench.
 45.397 Frederick K. Caswell, Hartford, Conn., heater.
 45.393 John D. Dixon, Birkly, York, Eng., detonator holder.
 45.399 Job Tröp, Westerlev, Rhode Island, heater for water.
 45.402 Lyman A. Cheney, New York, vacuum pump.
 45.403 Frank A. Williams, Alhambra, Cal., button fasteners.
 45.404 Wm Cronk, Havana, N. Y., hand rake.
 45.407 Hiram D. Layman, Little Rock, Arkansas, automatic railway pumping machine

AMERICAN PATENTS.

The following patents have been issued at Washington to Canadians:—

- Geo. L. Ballard, Toronto, secondary battery, No. 517,018.
 Robt. Connell, Osprey, Man., grain shocking machine, No. 517,095.
 Wm. F. Doll, Winnipeg, ring-gage, No. 517,096.
 Chas. E. Jewell, Toronto, inkstand, No. 517,384.
 Jos. Oldfield, Toronto, duplicating check-book, No. 517,359.
 Wm. Y. Rochester and J. McArthur, Ottawa, dynamite, No. 517,396.
 N. J. and D. C. Watters, Ottawa, wrench, No. 517,074.
 Richard H. Casswell, London, milk purifier, No. 517,814.
 Jean F. Chazotte, Montreal, smoke-consuming furnace, No. 517,540.
 Wm. McCloskey, Essex, Ont., harvester, No. 517,654.
 Wm. McCloskey, Essex, Ont., harvester, No. 517,655.
 Wm. J. Still, Toronto, electric motor, No. 517,669.
 Wm. J. Still, Toronto, electric motor, No. 517,668.
 John M. McLeod, Goderich, remedy for certain named diseases, No. 24,467.
 Geo. Hay, Pictou, N. S., chalk-sharpener, No. 517,922.
 Wm. Hull, Souris, P.E.I., combined drag bar cultivator and drill, No. 517,925.
 Ernest LeSueur, Ottawa, electrolytic cell, No. 518,040.
 Chas G. Richardson, Toronto, refining nickel and copper mattes, No. 518,117.
 Wm. A. Clark, Toronto, machine for bottling milk, No. 518,306.
 Geo. Fee, North Bay, Ont., refrigerator, No. 518,233.
 Louis Jobin, Quebec, blind stop, No. 518,368.

- James R. McLeod, Calgary, Alta., bridle, No. 518,423.
 Geo. D. Hamilton, Innisfail, Alta., metal fence, No. 519,573.
 Thos. Walsh, Montreal, attachment for shovels, spades, &c., No. 519,515.

GERMAN PATENTS.

Compiled at the patent and technical office of Brockhues & Co., Cologne, for THE CANADIAN ENGINEER. Information referring to these lists given free of cost to our subscribers.

Cut-off apparatus with oscillating ball-valve for water-gauges; Anton Backhaus, Cologne.

Washing machine; Adam Schmidt, Saalfeld.

Spring-bearings for carriages with free sliding axle; railway carriage and machine works, Van der Lypen and Charlier, Cologne-Deutz.

Electric machine with fixed wire spools; Otto Diepenbach Endorf, near Alsfeld.

Knife-grinding and cleaning machine; Julius Funke, Berlin.

Horizontal boiler with Field tubes and partition receiving the inner tubes; W. H. Walther, Cologne-Deutz.

Protective apparatus for incandescent bodies; Th. Buire, Cologne.

Window-fasteners; Chr. Lammerich, Wesseling.

Stove for heating the igniting tubes of petroleum and similar engines; F. W. Gilles, Cologne.

PATENTS procured for Canada, United States, Great Britain, etc. **Fetherstonhaugh & Co.**, Patent Barristers, Solicitors and Experts, Bank of Commerce Building, King Street West, Toronto.

BROCKHUES & CO., COLOGNE, Germany
 PATENT AGENTS FOR OBTAINING AND UTILIZING
PATENTS in Germany and Abroad.
INTERNATIONAL TECHNICAL OFFICES
 REFERENCE: AMERICAN CONSULATE, COLOGNE

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 J. EDW. MAYBEE, Mechanical Engineer.

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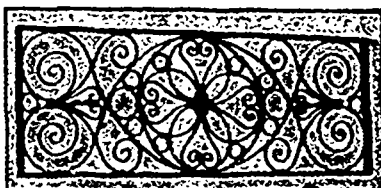
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