

It is reported that the general managership of the Inter-Oceanic Railway may be given to Walter Morcom, at present general manager of the Mexican Southern. He is a Canadian, and known in railway circles all over the United States and Canada.

## The Patent Review.

- 48,036 R. McWilliam, West Newton, Penn., dust collector.  
 48,037 E. B. Repp, Washington, Columbia, U.S.A., metallic roofing tile.  
 48,038 E. S. Merrill, Portland, Me., transom fastener.  
 48,040 W. T. Coggeshall, Melrose, Mass., steam boiler flue cleaner  
 48,041 L. L. Smith, Toronto, cinder sifter.  
 48,042 C. Frost, New York, N.Y., car coupler  
 48,043 F. L. Street, Neodesha, Kan., low pressure alarm for air brakes.  
 48,044 A. S. Hodge and J. H. Hodge, both of Boston, automatic relief valve for radiators.  
 48,045 D. F. Allen, Richburg, New York, N.Y., rotary engine.  
 48,048 S. Salter, Wal Wal, Victoria, Australia, mould board for ploughs.  
 48,046 J. H. King, Piqua, Ohio, and W. J. Dean, Minneapolis, Minn., grinding machine.  
 48,051 N. Lampman, Woodstock, Ont., car brake attachment.  
 48,052 C. C. Young, Ellsworth, Me., lubricator.  
 48,053 J. Weldon, Elmore, Ohio, sash holder.  
 48,057 M. D. Luehrs, Cleveland, Ohio, machine for threading bolts  
 48,060 W. Clark, Galt, Ont., planing machine.  
 48,063 J. G. Wilson, Fort Washington, N.Y., wood block flooring.  
 48,066 F. X. Guay, St. Maurice, Three Rivers, Que., Monocycle.  
 48,070 S. J. Johnston, Leesburg, Virginia, U.S.A., combination tool.  
 48,071 H. G. Hicks, Walpole, N.H., welding compound.  
 48,073 M. Walker, Port Huron, Mich., ball and socket joint  
 48,076 C. E. P. Hobart, Cherokee, Iowa, seed planter.  
 48,080 J. Shank, St. Katherine's Works, Scienns, Edinburgh, Scotland, rag or beating engine.  
 48,081 P. Lord, Iberville, and P. Amesse, Montreal, both in Quebec, hay press.  
 48,082 F. K. Caswell, Hartford, Conn., hot water heater.  
 48,083 J. J. Malley and H. J. Brinkenkamp, both of St. Louis, Mo., range tank.  
 48,088 J. E. Dalrymple, Chicago, Ill., telephone signalling device.  
 48,089 J. E. Dalrymple, Chicago, Ill., telephone.  
 48,092 J. H. Fitzgerald, Neapolis, Virginia, railway gate.  
 48,094 J. Player, Topeka, Kan., car wheel.  
 48,101 J. and E. Hall, London, England, apparatus for producing cold.  
 48,104 The Plenkharp Barrell Machine Company, Columbus, Ohio, hoop-making machine.  
 48,124 L. Epstein, London, Eng., storage voltaic battery  
 48,127 J. McAllister and A. C. Hubbell, both of South Manistique, Mich., off-setting device for sawmill carriages.  
 48,131 T. Keene, Birkenhead, Eng., packing for piston rods.  
 48,133 B. H. Tindal, Amsterdam, Holland, manufacture of secondary transformer coils.  
 48,135 G. E. Hibbard, Chicago, Ill., automatic fire extinguisher.  
 48,142 The Gould Coupler Company, New York, locomotive buffer.  
 48,153 H. Boyd and E. Frantz, both of Copley, Penn., car coupler.  
 48,157 E. A. Bryant, Marshfield, Wis., rod packing.  
 48,171 Consolidated Car Heating Company, Albany, N.Y., electric heater.  
 48,179 C. E. Parks, Waterton, Wis., slat and wire fabric loom.  
 48,195 W. H. Beal, Anson, Kan., wire stretcher.  
 48,197 S. O. Jones and G. H. Atwood, both of Stillwater, Minn., piston valve.  
 48,200 E. C. Davis, Crookston, Minn., and E. Davis, Hyde Park, Mass., tie and fastening for railway rails.  
 48,217 H. L. Sulman, London, Eng., treatment of precious ores.  
 48,221 J. R. Penberthy, Buffalo, N.Y., apparatus for repairing asphalt pavements.  
 48,237 N. Sampson, Riviere du Loup, Que., ratchet drill  
 48,244 W. H. Walsh, Albany, N.Y., railway signal  
 48,246 D. D. Wilson, Toronto, Ont., chemical fire engine.  
 48,248 H. J. Combes, New York, multiple cylinder steam engine.

## AMERICAN PATENTS.

- The following is a list of patents recently granted in the United States to Canadians. This list is specially furnished to THE CANADIAN ENGINEER by Hanbury A. Budden, patent solicitor, Montreal.  
 543,469 R. Drury, assignor of one-half to J. O. Thorn, Toronto, bath.  
 543,727 William Duffield, London, Ont., pencil sharpener.  
 543,488 Richard Kinsman, Galt, Ont., quoin.  
 543,492 S. J. Laughlin and J. Hough, Toronto, Ont., drawing, sketching and designing table.  
 543,535 Thomas Mounce, Toronto, Ont., hasp-lock.  
 543,842 Henry C. Biéte, Toronto, Ont., autographic register.  
 543,158 John Cox, Victoria, B.C., edger.  
 543,855 Francis N. Denison, Toronto, Ont., short-circuiting device for stopping dental motors.  
 544,100 George Hurst, Canso, N.S., lobster-trap.  
 544,964 Henry C. Mitchell, Toronto, Ont., boiler-covering.  
 544,146 Horace A. Wortman, Sydenham, Ont., fence-post.  
 544,461 Hugh Cotter, Burlington, Ont., bag supporting device.  
 544,295 A. I. Farnam, Dunham, Ont., fly catcher for use on animals.  
 544,619 John Hazlett, Kingston, Ont., steam boiler.  
 544,586 Frank S. Meave, Montreal, Que., gas or oil engine.  
 544,375 George Philips, Victoria, B.C., sanitary grate.  
 544,490 G. H. Smith, assignor to A. Mathews, Toronto, Ont., child's safety skate  
 544,493 Jeddithun N. Wible, Ruthven, Ont., magazine camera.  
 545,338 G. H. Bowie, assignor of one-half to J. C. Rogers, Ottawa, Ont., automatic vending machine.  
 545,122 Adolphus Davis, Montreal, Que., filter.  
 545,071 Dieudonné J. Grondin, Yamachiche, Que., evaporator.  
 545,328 Earnest A. Le Sueur, Ottawa, Ont., means for counter balancing end-pressure in steam turbines.  
 545,126 Florian Lebel, Montreal, Que., hub-attaching device.  
 545,167 H. C. Malsness, Stratford, Ont., automatic dust-collector.  
 545,086 John D. Manton, Hull, Que., and E. G. Shepard, said Manton assignor, and said Shepard assignor of two-thirds to El. Leatham and C. D. Chitty, Ottawa, Ont., match-racking machine.  
 545,372 John MacFarland, Austin, Ont., car-moving bar.  
 545,130 James H. McKechnie, Granby, Ont., foot-wear.  
 545,241 Robert Menaugh, Victoria, B.C., means for obtaining power by rise and fall of tide  
 545,141 Thomas Walsh, Montreal, Que., fire-alarm box.  
 545,143 A. White, assignor of two-thirds to C. R. Sutherland, Toronto, and A. S. King, Ottawa, Ont., skeleton lettering.  
 545,184 J. Wright, assignor of one-half to F. Wright, Montreal, Canada, steam engine indicator reducing gear.  
 545,579 R. Bustin, assignor of two-thirds to W. Vanwart, Fredericton, and J. R. McConnell, Marysville, Canada, car fender.  
 545,771 R. Bustin, assignor of two-thirds to W. Vanwart, Fredericton, and J. R. McConnell, Marysville, safety attachment or fender for cable, electric or other cars.  
 545,456 W. B. Cowan, Guelph, Ont., triturating and emulsifying machine.  
 545,793 William O. Gottwals, Ottawa, Ont., perforating machine.  
 545,587 Charles S. Jackson, Bridgeburg, railway switch.  
 545,510 Matthias Lerner, Milltown, yarn protector attachment for spinning machines.

THE preliminary report of the American commission to enquire into the effect of the Chicago drainage canal on the levels of the great lakes, shows that there is very little reliable data to go upon; but it is probable that the abstraction of 10,000 ft. per second by this canal might cause a lowering of the lakes by six inches. Such a change would seriously affect not only all the American, but the Canadian harbors. Under the laws of the United States these changes cannot be made without federal authority; and, what is more important to us, they are an infraction of international law. The report further says that while the channels and harbors of the great lakes below St. Mary's Falls will be injuriously affected by a diminution in depth, the inner harbor of Chicago will be diminished also by the introduction of a current, which in the present condition of the river, with the minimum flow of 5,000 cubic feet per second, is entirely inadmissible. The board of trustees have not yet determined upon a plan of treatment of this navigable channel, and their plans may, the report suggests, be such as to improve, impair, or destroy its utility as a navigable river.