

## PATENTS.

Below will be found a list of patents recently granted to inventors in Canada. This list is furnished by Messrs. Fetherstonhaugh & Company, Royal Bank Building, Toronto: C. A. R. Roy, file protectors; J. W. Mowbray, hydro-carbon vaporizers for internal combustion engines; S. Aikins, door knobs; J. Andron and G. F. Hickmott, ash sifters; R. L. Gardner and S. S. Holden, portable stable tents; S. Ash-down, hooks; W. P. Cahoe, methods of producing a glucose like product from cellulose and ligneous materials; A. G. Hunter, Churns; J. W. Lucas, lantern handles; A. J. McDonald, barrels; T. A. Murray, sewage sedimentation tanks; J. A. Ray, stove lids; J. Samuels, cinder sifters; F. G. Hunt, disc harrows.

The following is a list of Canadian patents recently issued through the agency of Messrs. Ridout & Maybee, Manning Chambers, Toronto: I. S., I. & S. McDougall, insecticides and the like; E. D. Gouk, veneer box; C. B. Redrup, Fluid pressure engines or pumps; J. B. Beadman and H. J. Macklin, axle boxes and other bearings; I. H. Storey, flying machine; F. M. Field and D. A. Skene, railway control system; F. Orbell, elevating mechanism; A. H. Reid, concrete; A. W. Cooper and S. H. Watts, cultivator shares; A. C. Thompson, filling spring for mattresses.

H. J. Daniels, potato harvester; Weedon Grossmith, collar for personal wear; Kilgour Bros., paper drinking cup; R. W. Bateman and L. H. Bateman, driving and reversing gear; Bain Wagon Company, Limited, wagon.

The following list of Canadian patents is supplied by Messrs. Fetherstonhaugh & Co., 10 King St. E., Toronto:—  
C. E. O. Langlois, self couplers for fluid train lines; W. P. Stephenson, display boxes; A. E. McKenzie, seed show cases; M. Filion and H. L. Dumouchel, automatic cattle guards for railroads; W. Topp and F. Topp, automatic fire alarms; L. E. Beaulieu, fish plate bolts; T. H. Elliott, fire escapes; A. Hackett, combined throttle and reversing valves for motors; A. Horwitz, gas water heaters; J. J. Noon, pipe couplers.

## MACHINERY FOR RUSSIA.

Mr. A. L. G. Taylor, 629 Corydon Ave., Winnipeg, Man., has asked us to put him in touch with firms in Canada who are prepared to tender for the supplying of the following equipment for works in Russia:—

- (a) Electric furnace for scrap iron, 16-25 tons per diem.
- (b) A rolling mill of smallest possible size (round) up to 3-inch diameter. (b) Rectangular 1 $\frac{3}{8}$ -inch by 1 $\frac{1}{4}$ -inch and 1 $\frac{1}{2}$ -inch by 1 $\frac{3}{8}$ -inch.
- (c) Bending and electric welding machines for chains from  $\frac{3}{8}$ -inch to  $\frac{1}{2}$ -inch.
- (d) Stamp and forging machines for scythes, sickles and horse shoes.
- (e) Lamps for giving about 200 candle-power from crude naphtha.
- (f) Machine lathes for turning pick and axe handles (taper).
- (g) Machines for making long boots of thick felt and similar materials.

## ORDERS OF THE RAILWAY COMMISSIONERS OF CANADA.

Each week on this page may be found summaries of orders passed by the Board of Railway Commissioners, to date. This will facilitate ready reference and easy filing. Copies of these orders may be secured from The Canadian Engineer for small fee.

- 15947—February 12—General Order re Rules and Regulations for Inspection of Locomotive Boilers, etc.  
15948—February 5—Approving location of G.T.P. Ry. station site at Stony Plains, Alta.  
15949—February 12—Authorizing Geo. H. Shaw, G.T.M., N.St. C. & T. Ry. to prepare and issue tariffs of tolls.  
15950—February 8—Directing C.P.R. to, before July 1, 1912, install electric bells at crossing in village of Coldwater, Ont., 20 per cent. from Railway Grade Crossing Fund.  
15951—February 12—Authorizing C.N.O. Ry. to cross Ford St., Toronto, by overhead structure over highway and across tracks of Toronto Suburban Ry. Co.  
15952—February 12—Authorizing C.N.O. Ry. to cross seven highways in Twp. of Etobicoke.

15953—February 12—Directing Bell Tel. Co. to amend Supp. No. 42, C.R.C. No. 1708 and providing for certain changes in rates to telephone subscribers between Island and city of Toronto. (See Order 12625, December 14, 1910.)

15954—February 9—Authorizing C.P.R. (G.B. & S. Ry.) to cross St. Patrick and Dermot Sts. at mileage 72.21 and to take certain lands for road diversion belonging to W. B. Fee, Twp. of Ops, County of Victoria, Ont.

15955—February 6—Approving location of C.N.O. Ry. station at Brockville Junction.

15956—February 12—Directing Grand Valley Ry. Co. to pay to T.H. & B. Ry. \$200 for old diamond at crossing on South Market St., Brantford, Ont.

15957—February 9—Authorizing C.P.R. to cross with second main line track (double track) McTavish St., Fort William, Ont.

15958—February 9—Authorizing C.N.O. Ry. to connect with G.T.R. at Cobourg, Ont.

15959—February 9—Authorizing C.N.O. Ry. to cross Russell Road, at Junction Gore, County of Carleton, Ont.

15960—February 14—Directing that crossing of G.T.R. near Kettle Creek Bridge, St. Thomas, Ont., be protected by day and night watchmen, 15 per cent. to be paid by Twp. of Yarmouth, 15 per cent. by city of St. Thomas.

15961—February 15—General Order re freight rates in Canada, west of Port Arthur, adding Province of British Columbia to enquiry.

15962—February 15—Directing G.T.R. to install within ninety days electric bell at crossing of Grand Ile Ave., Valleyfield, Que.

15963-64—February 14—Issuing certificate of correction to G.T.P.B.L. Co. correcting errors in plan of location Biggar-Calgary Branch and Biggar-Calgary Branch.

15965—February 12—Relieving C.P.R. from erecting and maintaining fences, gates and cattle guards on portions of Atlantic, Eastern, Ontario and Lake Superior Divisions.

15966—February 15—Authorizing C.P.R. (G.B. & S. Ry.) to use and operate bridges at mileages 20.64, 23.4 and 24.3 at Couchiching Narrows.

15967—February 3—Authorizing C.P.R. to construct spur for A. Bowerman in city of Saskatoon, Sask.

15968—January 31—Authorizing C.N.R. to cross with its Grosse Isle Branch twelve highways in municipality of Woodlands, Man.

15969—February 13—Amending Order No. 15667, December 15, 1911, by substituting plan "B" for plan "A" filed.

15970—February 15—Extending until July 1, 1912, time for construction of spur by C.N.R. in city of Edmonton, in H. B. Reserve.

15971—February 15—Approving coal chute clearances of G.T.P. Ry.

15972—February 14—Authorizing Edmonton, Dunvegan & B.C. Ry. Co. to cross highways from mileage 0 to 30, Alberta.

15973—February 15—Adding Twp. of Bentinch to application re protection of crossing by Walkerton & Lucknow Ry. (C.P.R.), County Grey, Ont.

15974—February 14—Approving plan "A" and rescinding Order 14066 of June 24, 1911, in so far as it approves the plans of said automatic signal on T.H. & B. Ry. between Hamilton and Vine-mount.

15975—February 15—Certificate of correction to G.T.P.B.L. Co. re errors in plan of location of Biggar-Calgary Branch.

15976—February 16—Re Brockville train connection between G.T.R. and C.P.R. when passengers for Ottawa on G.T.R. train.

15977—February 15—Approving location of C.N.O. Ry. station grounds at St. Joseph, Parish of St. Eustache, County Two Mountains, Que.

15978—February 14—Authorizing C.N.O. Ry. to cross C.P.R. by overhead structure on Lot 11, Con. 2, Twp. of Nepean, County of Carleton, Ont.

15979—February 16—Certificate of correction to G.T.P.B.L. Co. correcting errors in location Biggar-Calgary Branch.

15980—February 15—Authorizing C.N.R. to construct spur to Round Hill Collieries, Ltd., Province of Alberta.

15981—February 16—Approving by-law of T.H. & B. Ry. authorizing F. D. Backus, G.F.A. and P.A., and Geo. C. Martin, A.G.F. and P.A., to prepare and issue tariffs of tolls.

15982—February 14—Authorizing Twp. of York to construct bridge over old belt line, so-called, of G.T.R. east of Yonge St. and to open up a new highway.

15983—February 15—Authorizing G.T.P. Ry. Co. to operate industrial spur to serve P. Burns & Co., Ltd., Edmonton, Alta.

15984-85—February 16—Approving revised location of C.P.R. Virden to McAuley Branch from mileage 14 to mileage 36.27, Manitoba and Saskatchewan, and revised location of Kerrobert North-easterly Branch from mileage 0 to mileage 20.2, Saskatchewan.

15986—February 16—Authorizing C.N.O. Ry. to cross three highways in Twp. of Nepean, County of Carleton, Ont.

15987—February 16—Rescinding Order No. 14379, July 22, 1911, and authorizing C.P.R. to divert public road between Cons. 7 and 8, Twp. of Eldon, County of Victoria, and to cross diversion at mileage 56.4 by overhead bridge, company to also compensate John McArthur by reason of any damages sustained by closing highway.

15988—February 17—General Order re Ash Panis on Locomotives.

15989—February 16—Authorizing G.T.P. Ry. to cross with its second track of C.N.R. on Empire Ave., Fort William, Ont.

15990—February 15—Authorizing C.P.R. to construct spur for Manitoba Bridge & Iron Works, Ltd., on Higgins Ave., Winnipeg, Man.

15991—February 16—Approving revised location of James Bay & Eastern (C.N.R.) through Twp. of Demeules, County of Lake St. John, Que.

15992—February 16—Directing C.N.R. under penalty of \$10 per day to, before May 15, 1912, provide suitable farm crossing for E. K. Glidden, of Vermilion, Alta.

15993—February 15—Dismissing application of Dominion Sugar Co., Ltd., Wallaceburg, Ont., re re-adjustment of rates on sugar in carloads from Wallaceburg to Winnipeg and western points.