

WILLIAM COLLINS, the inventor of what is known as the Lappin Brake-shoe, which is used on the elevated railroads of New York, died suddenly in Bloomfield, N. J., November 3rd. Collins was born in Toronto, Ont., forty years ago. He was superintendent of the Lappin Brake-shoe Company, and resigned the place recently to become superintendent of the Corning Brake-shoe Company.

A. E. PATTON, of Stratford, Ont., who has had charge of the supply branch of the G. T. R. engineering department in the west, has been promoted to the position of inspector of plumbing and sanitary arrangements of the company. Under his new position Mr. Patton's headquarters will be in Montreal, and his territory will be from Portland, Maine, to Sarnia.

THE OTTAWA, ARNPRIOR AND PARRY SOUND RAILWAY.

This season's work commenced at the one hundred and forty-second mile and went to the one hundred and sixty-second mile from Ottawa, a distance of twenty miles of excessively heavy work, this total length of one hundred and sixty-two miles now being open for traffic. The Parry Sound Colonization Railway, which is the western section of the O., A. & P. S. Railway, starts from Scotia on the Northern Pacific Junction of the Grand Trunk Railway, and runs westerly a distance of forty-eight miles to Parry Sound. Forty miles of this has been built during the past three years and the balance of eight miles will be open for traffic by the new year.

Between the 162nd mile of the O., A. & P. S. Railway and the point known as Scotia on the Pacific Junction, which is also the commencing of the Parry Sound Colonization Railway, is a gap of 47 miles yet to be completed. The present intention is that this section (which is very heavy work) shall be built next season, thus completing the whole line from Ottawa to Parry Sound. They have also completed what is known as the Central Counties Railway (Rockland Division) from South Indian, on the line of the Canada Atlantic Railway to Rockland on the Ottawa River, a distance of 17 miles. At Rockland is situated the W. C. Edwards Company's large saw mills, and the company anticipate hauling a large amount of the lumber over this line. The president of all the above roads is J. R. Booth, Ottawa, E. J. Chamberlain, Ottawa, general manager, Geo. A. Mountain, chief engineer.

The Patent Review.

- 48,333 W. C. Mapledoram and F. Brown, Fort William, and S. W. Ray, Port Arthur, Ont., cover for cooking utensils.
 48,335 N. H. Smith, J. Bunting, jr., L. Bunting and others, vacuum fire kindler.
 48,337 D. Lalonde, Montreal, device for thawing pit ice in service pipes.
 48,339 Standard Valve Co., Chicago, Ill., apparatus for controlling valves, etc.
 48,341 J. H. Eastwood, Belleville, N. J., valve.
 48,342 W. M. Chalk and F. G. Aldrich, Spivey, Kas., steering apparatus for wheat headers.
 48,346 J. R. Jones, Philadelphia, J. W. Jones, Harrisburg, and T. A. Jones, Philadelphia, Pa., railroad signal.
 48,347 M. A. Shipman, Central City, Neb., hand fence machine.
 48,349 C. F. Goldard, Chicago, Ill., steering mechanism for threshing machines.
 48,350 C. L. Lightfoot, Toronto, Ont., hot air furnace.
 48,351 A. H. Chilton, Baltimore, Md., horse detacher and vehicle brake.
 48,353 H. Nielsen, Edgerton, Wisconsin, steam engine.
 48,355 R. T. Woldrep, Lisbon, Ga., railway switch frog.
 48,356 E. D. Mayo, Three Rivers, Que., gate opening and closing device.

- 48,357 H. S. Herrington and W. S. Head, jr., Latrobe, Pa., car brake.
 48,358 The Cockshutt Plow Co., Brantford, Ont., nose for gang plow shares.
 48,360 The Lombard Water-wheel Governor Co., Boston, Mass., speed regulator.
 48,361 Hermenegilde, Roy and Tenon, St. Aubin, Montreal, Que., hot water heating system.
 48,362 H. O. Thomas, Chicago, Ill., hand truck.
 48,363 D. Servis, Toledo, O., tie plate.
 48,364 J. E. Webb, Hockley, Eng., method of extracting and destroying sewer gas.
 48,365 J. D. Ansley, Cambridge, F. W. Gregory, Boston, Mass., trolley wheel.
 48,373 J. Howard, New York, brake adjuster.
 48,375 Bell Telephone Co., Montreal, telephone circuits.
 48,376 Bell Telephone Co., Montreal, telephone exchange call boxes.
 48,385 A. H. Brintnell, Toronto, electric motor.
 48,389 W. H. Garven, Portland, Ore., telegraph call.
 48,395 J. E. Dolber, Manchester, N. H., thill support.
 48,397 C. A. McCulloch and F. Welliver, Minneapolis, Minn., draft regulator for locomotives.
 48,398 A. Piedfort, Calais, France, multiple telegraphic apparatus.
 48,407 J. E. Meek, New York, electric heater.
 48,409 W. J. Powers and H. E. Blake, Bedford, Que., thill coupling.
 48,411 B. F. Perkins, Holyoke, Mass., dynamo meter.
 48,412 C. B. Schoeumehl and C. M. Plate, Waterbury, Conn., galvanic battery.
 48,413 H. L. Boyle, Grand Rapids, F. B. Gates, Owosso, Mich., gas engine.

AMERICAN PATENTS.

The following is a list of patents recently granted in the United States to Canadians. This list is furnished to THE CANADIAN ENGINEER by Hanbury A. Budden, patent solicitor, Montreal.

- 547,218 James D. Lamb and J. E. Chapman, assignors of one-twentieth to J. J. Durack, Montreal, street-car fender.
 547,083 Manley Thomas, Prince Albert, sawdust feeder for furnaces.
 547,277 Lemuel H. Morgan, assignor of one-half to M. C. Todd, Galt, fastening device.
 547,043 William J. Still, assignor to W. B. Close, Toronto, rectifier for electrical currents.
 547,752 John and E. P. Forbes, Halifax, tire for bicycles.
 547,726 Martin Leist, Maitland, assignor of one-half to N. Gentle, North Sydney, automatic centreing or pivoting drill.
 547,498 Ruben A. Oakley, Montreal, cheese box trimmer.
 547,747 Thomas H. Walsh, assignor of one-half to E. A. Cowley, Montreal, car coupling.

MARINE ENGINEER, aged 38, first-class certificate Board of Trade, England, trained on the Clyde, with considerable experience on ocean-going steamers, wants a situation on shore or afloat. Has references. P. O. Box 408 St. John, New Brunswick.

CIVIL ENGINEER, age 31, with good experience in railroad and general engineering, wants position of any sort. Has instruments and first-class references. Box 195, Collingwood, Ont.

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