

partment of the interior. Canada has a number of scientific men in her ser-vice, but no abler or more useful one than Mr White, and this new and enthan Mr. White, and this new and enlarged edition on the altitudes of Canada is the testimony. It contains the dent of the Union Bank, who left for aititude of every railway station and England recently upon the receipt of news that his son Lieut. John Galt, was ada; the altitudes of the stations on the boundary lines; the water levels of the St. Lawrence and the great vice-president. lakes; the bench marks and the elevations of hundreds of places not on peer opened in the several provinces, reilways; so that with these tables as follows: Ontario, 1; Alberta, 1; vations of hundreds of places not on one can get a good idea of the topog- saskatchewan. 3. Fifteen branche raphy of our continent, our watersheds and the feasibility of railroads or canals under suggestion. The surveys and elevations in connection with the Hydro-Electric Commission of Ontario, transmission and railway, are also recorded. Mr. White gives reasons for the utility of his book and some of them are more than sufficient: altitude has much to do with health, with agriculture and drainage, with the working of gas engines, air compres-Limited, Galt. sors, etc., and these tables are of increasing value. Mr. White received no little assistance in the work from the chief engineers and assistants of all the railways and public works of all Deputy Chief Russell Confirmed kinds As a test of the tables we wished to know what was the improved grade of the C.P.R.'s new second track into Toronto from Agincourt, and found it exactly one per cent, in its stiffest part, from Wexford to the Don River, a distance of one and two fifths miles. or 72 feet of rise for a little over 7200 feet of road. But an assisting engine, with other improvements, now enables the C. P. R. to take 60 odd loaded dead meat cars up this grade, and after that a single engine (in turns) takes the train to Montreal. But half a mile further south of Wexford the Canadian Northern has found a half per cent. grade and proposes to use it to get over this same rise. The Grand Trunk, two miles further south, goes over the same height at Scarboro at nearly one per cent. grade. The real problem of moving the enormous freight from Chicago and western Cansettled ada via Toronto to the seaboard is to use this new grade between the two existing lines, and thus save an immense sum, when added up, by years of operation. Two other scientific works of recent publication are of immense value to west was also five hours behind time the city and district of Toronto, the Topographical Map of Toronto and Environs, published by the militia department at Ottawa, and the recent book of plans and topography of Toronto and vicinity, published by the Transportation Commission (Couzens, **BEAURICH CIGARS** Gaby, Harris). For the first time one is able at a glance at these maps, to see what an immense influence the ravines, and the breadth of the ravines of the Don play in the transportation AT THE CIGAR DEPT. problem and settlement about Toronto, and how high-level bridges, once built, 7 KING ST. W. revolutionize the movement of population. Rosedale is what it is abso-MICHIE & CO., LIMITED lutely because of the Sherbourne treet bridge; Danforth avenue will

Sufficient Currency on Hand to Liquidate Twenty Per Cent. of Liabilities.

WHAT'S being rich but chance to share? What's being poor but naught to spare? Millions may lie in chests secure Yet leave the holder deadly in Size. HUGE STOCK OF CASH Since he hath not the will to That others may more fitly live, And empty pockets richer be Ailied with love and sympathy.

Enter the Ranks: INOCULATION IS COMING Dates Are Set When Doctors

alty for men from Canada for service in the auxiliary patrol (motorboat) service. Those who will be accepted must have a thoro knowledge of high power internal combustion engines and be accustomed to running motor-boats. The total pay is \$2.55 per day for sub-licutenants, \$2.07 for chief motorboat men, and \$1.34 for motor-boat men, with senaration allowance boat men, with separation allowance added in the case of the two latter Will Inoculate and Vaccinate Men on Active Service.

Applications are being received by Admiral Kingsmill, director of naval services for Canada. HOSPITAL GRANT Twelve Thousand Dollars Coming From Government in Few Days.

talions the students will be made

yesterday.

inoculation.

92nd, 97th and 123rd infantry bat talions, in the order named. Creditable Review. After the march-past, which laste from 11.15 to 12.15, was over, the Duk of Connaught issued the followin congratulatory message to the troops "His Royal Highness was pleased i congratulate the troops on their spler did phyique and soldiery bearing. H desires the G. O'C. to express his r grets at the inclemency of the weathen notwithstanding which His Roy. notwithstanding which His Roy Highness considered that the revie

It was revealed by the annual report ferred upon him. of the Bank of Nova Scotla, which was In the absence of John Galt, presiread at the 84th annual meeting yes-

terday, that the total assets of this bank have increased in value to \$100, reported wounded and missing, the annual report of the directors of the 000,000, making it the fourth largest bank in Canada, in point of size. Union Bank was read by R. T. Riley, This gratifying news was well re-

ceived by the directors, who are being congratulated on the progress of the The report showed that during the year of 1915 five new branches had bank in the difficult conditions brought on by a war-year. The reputation of this institution for financial strength, it was announced, has been fully maintained during, the past and agencies that were not giving and agencies that were not giving satisfactory results under present conditions were closed, as follows: Quebec, 2; Ontario, 3; Alberta, 2; British Columbia, 7; Manitoba, 1. The twelve months. The bank has now a stock of cash which is alone considered sufficient to liquidate 20 per cent, of the liabilities 'otal number of agencies now is 317 to the public and it has a correspond-ing amount of other available assets. Considering this in conjunction with the large reserve of \$12,000,000, as com-Extreme regret was felt over the deaths of E. E. A. DuVernet, K.C., and Hon. Samuel Barker, P.C., whose advice and counsel as members of the pared with a capital of \$6,500,000, it will be apparent that the Bank of oard for some years was of great

value. These vacancies were filled by Hume Blake, K.C., and R. O. Mc-Culloch, of the Goldie. McCulloch, Nova Scotia is in an exceptionally strong position from the standpoint of depositor and shareholder alike. ANDREW H. MODONALD WAS BURIED YESTERDAY THREE NEW DISTRICT CHIEFS APPOINTED After a brief illness from influenza

Andrew H. McDonald, managing director of the Canada Finance & in Fire Department Post.

Securities Co.; died in this city on Friday night. Mr. McDonald was a mem-ber of the Royal Arch Masons. A Delay in the reorganization of the fire department appears to have become service was held last night in Matcondition of the past, having gone with thews' undertaking parlors, and this the passing of the city council of 1915. morning the remains were removed to the home of his parents in Franklin Centre, Quebec, for burial. Chief William J. Smith has taken the

reins and commenced on the task that has been made his, having already made Winter Tourist Trips to Southern States three appointments to fill up the vacan-

cies that have existed in the department Are becoming more popular every year for some time. When Chief Smith was largely owing to the increased trans-portation facilities and modern luxuri-ous equipment, making the journey t made head of the department, little more than a week ago, four district chiefs were already been selected. Acting Deputy Chief Wm. Russell is to be confirmed in his appointment and will California, Florida and other resorts a pleasure instead of a hardship. With

be confirmed in his appointment, and will be stationed at headquarters, on West West Adelaide street. The district chiefs appointed are Capt.

thation in the Sunny South, where the flowers bloom, and warm, balmy breezes blow. Meals served in dining Duncan McLean, to be stationed at lower or upper Dundas street; Captain William Corbett, at Portland street, and Captain cars make it unnecessary to leave the The appointment of the fourth district. chief will not be made until the Gunn matter, upon which the chief has refused to make any statement so far, has been train en route. Round trip tickets are issued by the Grand Trunk Railway at very low fares, giving choice of a'l the best routes via Chicago. Detroit or

Buffalo. Fast trains are run daily from Foronts, etc., carrying electric-lighted

COLD WEATHER MADE TRAINS LATE.

Trains from the west were held up

MICHIE'S

3 FOR 25c

Pullman sleeping cars, dining and parlor-library cars, and first-class coaches, making connections with through trains for the south, etc. by bad weather yesterday afternoon and night. The C. P. R. train from Before deciding on your trip, and night. The C. P. R. train from Winnipeg arrived in Toronto five hours after schedule time at 9.15 last night, and the C. N. R. train from the streets, phone Main 4209.

KNOX CHURCH CHOIR

AT TECHNICAL SCHOOL Knox Church choir gave a patriotic concert last night in the Central Tech-nical School, the proceeds of which are to be donated to the Red Cross. The choir was assisted in the chorus selec-tions by a number of members of the Schubert Choir. Herbert M. Fletcher directed the choruses. Assisting antists were: Miss Jessie Alexander, reader; Dr. Harvey Robb, pianist, and Miss Irene Chivrell, contraito.

CONCERT GIVEN FOR

As a result of the fecture given by Miss Losanitch, under the auspices of the Runnymede Travel Club, the sum of \$75 wes raised and will be used for Scribtan

CANADIAN CASUALTIES

. Third Battalion. Killed in action—F. J. Keown, Bu L., Sergt. Lewis A. B. Inglis, Edu

Eighth Battalion. Killed in action-Philip McDonald, Hogaspwig, N.Y.; Corp. Joseph A. Va-hon, Moose Jaw, Sask.

Tenth Battalion. Wounded-Walter T. Green, P.O., B.C. Tweifth Battalion. ill-John C. Thornton,

John. N.H Sixteenth Battallon. Wounded-Donomick Heyland,

Nineteenth Battalion Died of uremia-Omer

Hull, Que. **Twentleth Battalion.** Wounded—Percy E. Harvey, Roseneath, Ont.

Twenty-First Battalion. Died of wounds-Thomas M. Flanagan Kingston, Ont.

Twenty-Eighth Battalion. Killed in action-George Fuller, 52nd

George Sylvester Bennett, Harriston

Ont. Accidentally wounded—Lleut. David C Robertson, Scotland. Princess Pats. Died-Joseph C. Shifton, Annapolis, Royal, N.S.

WHEAT TRAINS ON THE TRANS CONTINENTAL.

Cochrane Claybelt: Several wheat trains from the west via Cochrane over the T. and N. O. passed thru last week for Montreal and Portland The wheat rate which is being put one change of cars, you can travel from into effect on the National Transcon-almost any point on the main line of tinental Railway from Armstrong the Grand Trunk Railway to your des-tination in the Sunny South, where Montreal, as well as to Quebec. The minister of railways hoped from the first that a six-cent rate would apply to shipments to Montreal as well as to Quebec, but some doubt existed as to the practicability of a six-cent rate to Montreal, in view of the fact that this wheat must pass over the Timiskaming and Northern Ontario and the Grand Trunk lines, after leaving the Transcontinental.

Another signal victory for government ownership of railways

HONOR COMRADE GOING TO FRONT.

C. H. (Percy) Reid, 27 Hampton ave-nue, has enlisted with the Canadian Field Artillery for overseas service, and his fellow-employes of the Grand Trunk gen-eral baggage department have presented him with a wrist watch, suitably en-graved, to show their esteem and as a re-

GLEN STEWART CHOIR SANG FOR RED CROSS

At their first public performance, which was given at "Glen Stewart," Kingston road, the Glen Stewart Choir, made \$410, which goes to the work of the Red Cross Scient

RUBBER EDITION OF CAN BE USED.

The Great Northwest Telegraph Com pany announces that, commencing Tues-day, Jan. 18, the rubber edition of Broom-hall's imperial Combination Code may be used in cable messages under the same ns as apply to other codes

up, again become physically fit, will be transferred to battalions being formed for overseas service and thus reach the firing line again. This announcement was made at headquarters yesterday afternoon. It is said this thought at one time that it would be given because of unsatisfactory rangements, but there is no longer doubt. Controller Morris ascertained rule will hold good in all the military districts of Canada, in addition to the Toronto division. A new list showing officers so far

appointed to the Queen's Own 166th Battalion, was issued last night as follows: Officer commanding, Lieut.tallons the students will be made company instructors. Dates for vaccination and inocula-tion of the Depot Regiment, Canadian Mounted Rifles, stationed at Hamilton, have been announced as follows: Fri-day, Jan. 21, at 2 p.m., inoculation: Tuesday, Jan. 25, at 2 p.m., vaccina-tion; Wednesday Jan. 26, at 2 p.m., inoculation. Col. R. C. Levesconte; second in com-mand, Major W. G. Mitchell; adjutant, Captain H. E. Rooney (on transfer from 83rd Battalion); quartermaster, Major J. O. Thorn; paymaster, Lieut. Eyton Llewellyn Williams; company officers, Captains H. H. Hughes, R. B. Johnston, J. E. Flavelle, F. C. Con-nery. Lieutenants R. M. W. Chitty (from 3rd Battalion), Vaughan Mc-Lean Howard, H. W. Bethune, J. P. Crawford, W. W. McLaughlin, R. E. McCuaig, R. T. E. Hicks-Lyne, A. L. Smith, J. W. Bartlett, L. C. Rey-nolds, A. E. deM. Jarvis, J. H. Neelon, W. E. Swan, A. W. Pike, R. A. Dixon L. G. Cronyn, F. A. Swinnerton, D. E. Munro-Grier, F. G. Rolph, M. E. Mat-thews, J. H. Jennings, T. M. Grover, C. M. Scott, W. A. Reddock and C. B.

Bayonet Classes.

Classes for daily instruction in bay-dnet fighting and physical drill, with five or six representatives from each overseas battalion stationed outside of Toronto as students, were commenced The royal visitors will attend the annual meeting of the Canadiah Red Cross Society and the concert of the National Chorus in Massey Hall at night. They will leave North Toromto Station at 11 o'clock for Ottawa. at Exhibition camp yesterday, with Color-Sergt Instructor Coleman in charge. On return to the county bat-

HAMELTON, Tuesday, Jan. 18.—Word has been received that Hamilton would get in a few days the provincial grant of \$12,000 for the City Hospital. It was

Highness considered that the review was carried out in a most creditable manner to all concerned." During the inspection the Military Institute on University avenue was turned over to Her Royal Highness the Duchess of Connaught and the Princess Patricia, and they saw the troops pass along this street from the windows of the institute. They were accompanied by Mrs. W. A. Logie, Mrs. Mewburn, Mrs. Mewat, Mrs. Bickford, Mrs. Labatt and Mrs. Ham-ilton Merritt

Acid Stomachs Are Dangerous

Common-Sense Advice by a Distinguished

inoculation. Bantam Commander. Lieut.-Col. Robertson of Hamilton is being mentioned as likely to com-mand the "Bantam" Battalion which it is proposed to raise in this division. The Royal Party's Day. At 11 o'clock this morning the Duke of Connaught with the Duchess and Princess Patricia will visit the Cen-tral Convolescent Home. College st. "Acid" stomachs are dangerous be-cause acid irritates and inflames the deli-cate lining of the stomach, thus hinder-ing and preventing the proper action of the stomach, and leading to probably nine-tenths of the cases of stomach trouble from which people suffer. Ordi-nary medicines and melicinal treatments are useless in such cases, for they leave the source of the trouble, the acid in the stomach, as dangerous as ever. The acid must be neutralized, and its formation prevented, and the best thing for this purpose is a teagoonful of bisurated magnesia, a simple antacid, taken in a little warm or cold water after eating, which not only neutralizes the acid, but also prevents the fermentation from which acidity is developed. Foods which ordinarily cause greatest distress may be eaten with impunity if the meal is follow-ed with a little bisurated magnesis, which as hould always be kept handy. Princess Patricia will visit the Cen-tral Convalescent Home, College st., and at noon the Secours National, West King street. The governor-gen-eral at 12.30 will visit the offices of the patriotic fund, while her royal high-ness the duchess will visit the head-quarters of the Victoria Order of

bers' amendm out division. Harper, cu Vellington st.

One Amenda

IRELAND

Opposition to

ment in fulfilm quith's pledges

quith's pledges has any prospe-ed in the bill. The small is showed itself s festing its oppo despite the cru cause in the re signs thruout t was not dispo-protest what s passed term th the attitude o pulsion.

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help on the v After furth

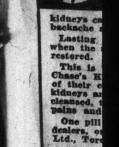
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When he Barrie yesterd treet, walked of stealing a d with whom he ective Archillerrie to brid



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