

Botanists Plan Study Of Deadly Wheat Rust

Toronto.—Rust—the mortal foe of Canadian wheat—is among the things to be investigated in a program of research into plant physiology that has just been initiated in the Botany Department of the University of Toronto.

Under bulbs that use 25,000 watts, and take the place of the sun, in order that wheat may be grown in the dead of Toronto's winter, the growth, breathing, food metabolic change and other aspects of plant life studied by Professor G. H. Du

Professor D. L. Estley and Miss Dorothy Forward, acting under the leadership of Professor R. B. Thomson, head of the University of Toronto Department of Botany.

While all the work is being done in the name of pure science, and those doing it are making no promises as to the results, the fact that an investigation of the cause and cure of wheat rust is on the agenda may mean that experiments will ultimately result in the eradication of one of the worst enemies of Canadian agriculture.

Prince Is Charming Says Dance Partner

Panama Girl Finds British Royalty Kindly and Unassuming

Panama City.—Miss Eleanor Nichols, the American girl who danced with the Prince of Wales at a function given in his honor at the Union Club, thinks his Royal Highness "is one of the most charming men I have ever met," but considers Prince George a better dancer.

Miss Nichols, who is the daughter of Commander Newton Lord Nichols, in charge of the Balboa naval radio station, and Mrs. Nichols, has become the centre of interest in Panama City and Balboa, for the Prince of Wales gave her his undivided attention as they danced beneath a tropic moon shining over the Bay of Panama.

She had hardly returned home from the dance with her father and mother, when the telephone bell and door bell began to ring—and they have been ringing ever since.

Photos in Demand

Droves of press photographers went out to the home, and London newspapers even called for photographs. She had to have new photographs made, for the only one at the Nichols home was a simple portrait made five years ago.

"Although Miss Nichols appeared as much at ease dancing with the Prince as did he, the attentions showered upon her were slightly bewildering. "It's so silly," she exclaimed. "Why, the Prince of Wales has danced with hundreds of girls before."

"But I think that he's one of the most charming men I ever met. He isn't a bit offish, he talks slang, and one never would think just by meeting and talking with him that he is anything but just one of the nicest young men imaginable."

During his conversation with Miss Nichols the Prince practised some of the Spanish he learned in preparation for his South American trip.

"He speaks Spanish rather slowly," the girl continued, "but I can understand him much better than the people here who rattle it off so fast."

Brother Talks Less

Then as to the dancing:

"And he's an awfully nice dancer," she went on, "but I believe Prince George is the better of the two. He doesn't have so much to say, though."

Miss Nichols was seated with her parents when one of the Royal equerries came over and invited her to sit at the table occupied by the Princes. She was presented to Prince George, who danced with her.

Hardly had she sat down again when the Prince of Wales walked over and asked for the next dance—"without sending a messenger or anything," was the way the delighted girl put it.

Equally charmed with his Royal Highness were Miss Nichols's parents. When Commander Nichols was presented, the Prince of Wales acknowledged the introduction with "I am delighted to know you, sir."

Fire at Hornepayne Razes Five Stores

Business Section of Northern Town is Swept by Fire \$80,000 Damage

Hornepayne.—Five business houses were burned to the ground and two others badly damaged in a fire which broke out here at 4 o'clock Sunday morning, and which raged for some hours before being brought under control. Total loss is estimated at more than \$80,000, with little insurance.

Hornepayne is a Canadian National Railway divisional point, 316 miles northwest of Sudbury.

Townfolk were aroused from their slumbers by shrill blasts from locomotive whistles and from the C.N.R. shops. They awoke to find half a business block in flames. The alarm was first given by J. McEwan, a C.N.R. inspector in the Hornepayne yards. The path of the fire cut through F. Menzies' butcher and bake shop, the New Ontario Cafe, C. Barnes' billiard parlor, A. McNeill's millinery shop, J. Leggett's poolroom, and the comparatively new store of H. T. Cockburn. T. Palmer's jewelry store was heavily damaged, as was also the Gibson butcher shop.

It is presumed that the fire started in the Menzies' bakery. All the goods in the store were removed by volunteer workers. The flames, aided by a strong wind, spread rapidly, but the fire was stopped in one direction by a party headed by William Schmidt, who were successful in their endeavor to save the remaining part of the block. Then the C.N.R. tank car used for fighting forest fires was put into action, and here the costly blaze was effectively checked.

The blaze was similar to the fire which swept the business sections of Foleyet and Gogama within the past two weeks.

\$500,000 in Cattle Exported in 1930

Cattle Breeders Hold 48th Annual Meeting in Toronto

Toronto.—From all parts of Canada, Holstein-Friesian cattle breeders gathered here at the Royal York Hotel for the 48th annual meeting. President P. H. Moore, of Essondale, B.C., commented on the substantial growth of the association. The extension service report submitted by R. B. Faith showed that shipments of 5,038 head of cattle to Jamaica, China, British Guiana and the United States had returned over \$500,000.

In 33 sales during the year the turnover was \$39 head, at an average price of \$135. The highest price was \$1,765 for a two-year-old bull. Appropriation for extension work this year will be \$5,000 less than last year.

Reports showed that milk prices are down to the farmer without compensating reduction to the consumers.

The financial statement shows receipts of \$92,133, of which \$78,816 are registration and stock transfer fees, etc., and a balance carried forward from last year of \$6,800. The chief items in the list of expenditures are \$23,000 for extension services, \$15,958 grants to fairs and dairy tests, and \$17,918 wages and salaries. There is a balance left of \$6,003.

The assets total \$100,290. The surplus over all liabilities is \$98,547. The total membership is 4,248; of whom 2,801 are in Ontario.

The secretary-treasurer shows the registration of 5,600 bulls and 16,800 cows, with a total transfer of 18,682. Only twice before have the registrations in any year been over twenty thousand.

55,961 Passengers Carried Last Year

Ottawa.—A total of 55,961 passengers were carried by airplane in Canada during the year 1930, according to the quarterly liaison letter of the civil aviation branch of the Department of National Defence, issued recently. At the same time aircraft in Canada carried 1,449,337 lbs. of freight, covering a distance of 4,250,970 miles and flying 52,621 hours.

These figures take account only of the activities of 19 commercial operations, three mining companies and the Ontario Government Air Service. Additional to these there were 115 commercial operators who, it is estimated, flew 20,000 hours. Twenty-three light aeroplane clubs flew 14,322 hours, making an estimated grand total of 87,453 hours flown in civil aviation during 1930. This compares with 79,736 hours flown during 1929.

Seven companies in Canada operate 19 air mail services under contract with the Post Office Department.

Oldest Ontario Physician Celebrates 100th Birthday

Toronto.—Ontario's oldest physician and one of the oldest residents of Sutton West, Dr. Charles Thompson Noble, celebrated his 100th birthday on Feb. 5th. He was born in Markham Township, Feb. 5, 1831. He was a graduate of Victoria University, obtaining his M.D. degree in 1856. He was registered as a practitioner in the Ontario Medical register on June 13, 1866. He has been a resident of Sutton West for considerably more than 60 years and was widely known throughout the district. In the early days he frequently had to ride for miles on horseback to visit patients and was in a very real sense a family physician and counsellor.

He has not practiced for several years, leaving that to his son, Charles, with whom he lives. The villagers of Sutton extended felicitations and good wishes for many happy returns, and all joined in the celebration.

Viscount Willingdon To Be Created Earl

London.—Viscount Willingdon, who has been appointed Viceroy of India, will be created an earl before he takes up his post at Delhi, according to the News-Chronicle, which understands shortly that the honor will be announced.

Beds for Insane

Winnipeg.—Overcrowding in Selkirk Hospital for Mental Diseases has been materially overcome by the opening of the new unit of 160 beds, the Minister of Health announced recently.

New Quakes Felt In New Zealand

Inhabitants Flee as Heavy Waves Sweep Coast-line

Wellington, New Zealand, Feb. 3.—Heavy earthquake shocks again rocked the Napier and Hastings section of the Hawke Bay district, which was the scene of last Tuesday's disastrous quake in which many persons were killed.

The face of a bluff overlooking Napier was sheared by further landslides. Heavy breakers swept the beaches and forced the terrified inhabitants, encamped about the town, to flee from the shore line to higher ground.

Dislocation of communication has made it difficult to obtain full details of the disturbances.

Three persons were killed when a plane of the Dominion Air Line crashed at Wairoa. The plane was carrying passengers and mail from Gisborne to Hastings.

Those killed were Pilot Knight and W. F. Baker and W. S. Strand, passengers.

Health By Radio

Winnipeg.—Radio health talks are now being broadcast by the Manitoba Department of Health and Public Welfare, over the Manitoba Government Telephone station, CKY at the rate of two a week. A series of fifty are to be given.



Premier R. B. Bennett placing wreath on monument in Arlington National cemetery, Wash., D.C., erected by Canadian government "in honor of the citizens of the United States who served in the Canadian army."

The War Debts

By Right Hon. Sir Thomas White, K.C.M.G. (Minister of Finance of Canada, 1911-19)

Oh, war debts and reparations, You're a blight on all the nations, You embitter their relations, You're the chief of all causations, Of their woes and tribulations, Of the ills that grieve and vex them, Of the burdens that oppress them, And the sufferings that distress them, The anxieties that fret them, And the dangers that beset them!

You have caused world-wide privation, Unemployment, want, starvation, Trade and industry stagnation; You have caused humiliation, Anger and denunciation, Hatred and recrimination, Vehement expostulation, Armament, war preparation!

Let us with sincere intention Call forth with a world convention, With no national abstention, For the sake of prevention, To remove this grave contention, And save future intervention; For the sake of world salvation, Welfare and conciliation, Peace and rehabilitation, By a great renunciation, Sacrifice and abnegation, With profound commiseration Bring about emancipation, Touching mens' imaginations, Make an end of reparations, Debt release and cancellation, Like the yoke that bows the nations!

Cereal Research Grows

The report of the Dominion Cerealists, L. H. Newman, B.S.A., for 1929, provides a graphic illustration of the steady increase in cereal research by the Dominion Department of Agriculture. In 1916 the total of plots used in experimental work numbered 2,017. In 1921 this had dropped to only 756. Since 1927, however, there has been a consistent steady expansion in this important work, the total number of plots for 1930 being 15,950. This report, which is now available for distribution, contains a wealth of useful information for those interested in cereal grains.

Flu Still Taking Its Toll in Britain

London.—Deaths from influenza are still increasing in England, although the outbreak has not assumed the proportions of a major epidemic. Last week's death toll in London and the large towns of England and Wales was 209. In the week before it was 212.

Banting Explains Research at O.A.C.

Guelph.—In an informal talk to the members of the Ontario Agricultural College faculty here recently, Dr. F. C. Banting of Toronto outlined interesting facts in connection with research operations now going on in Ontario.

Dr. Banting confined the greater part of his address to discoveries brought about through experiments in connection with animal life. He stressed the fact that fundamental research might or might not be of practical value and that many of the important developments came about in a most unexpected way. He cited one instance—the fact that it had been proven that the chicken death rate, while hatching, increased unless the temperature was kept constant. This information was now proving valuable in maternity wards of hospitals throughout the country. Brief reference was also made to research work on calves, from which valuable results had been achieved.

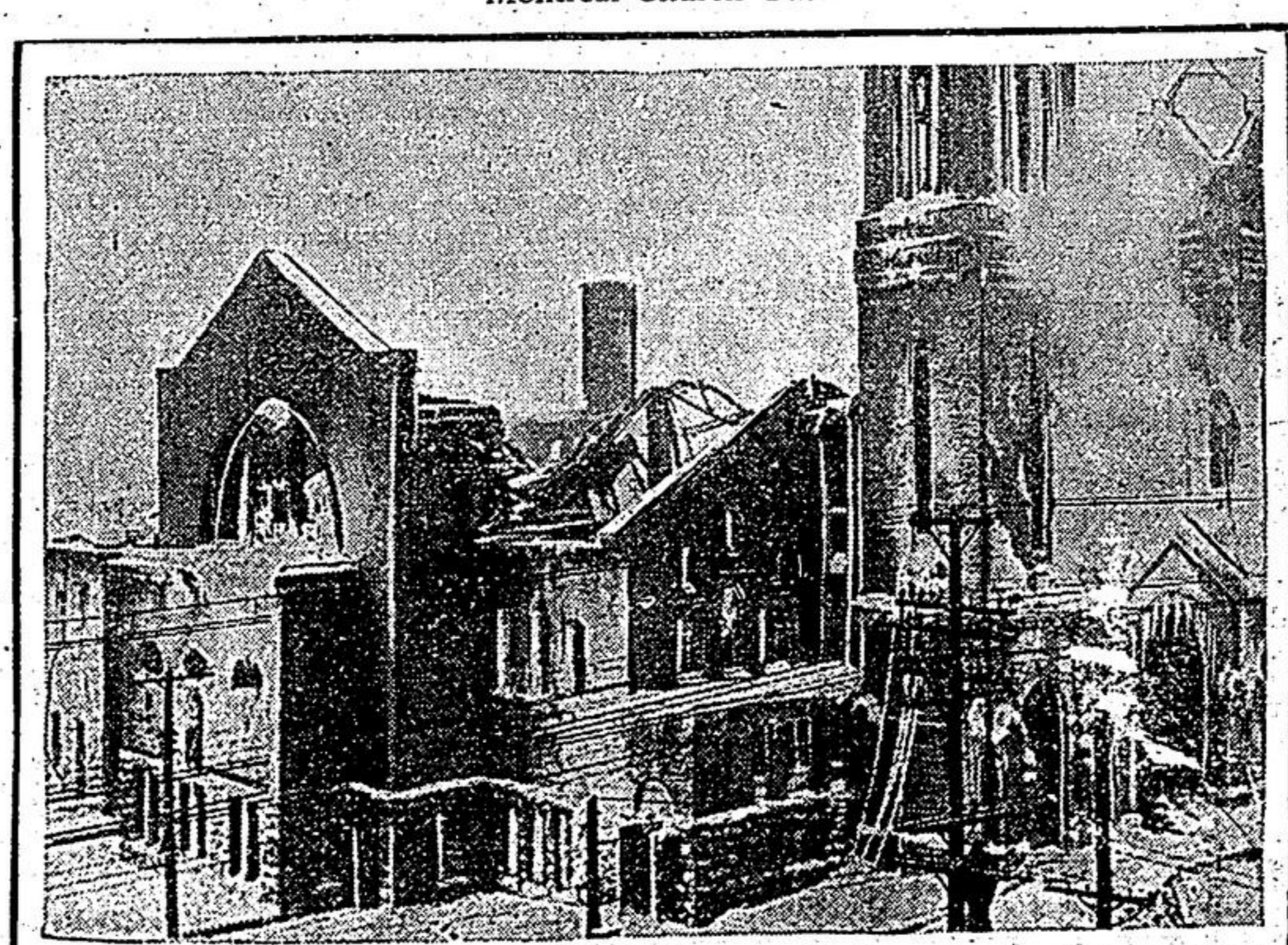
Dr. Banting reviewed what led up to his discovery of insulin, and pointed out that contrary to general belief, the whole cost of such research was very little. Large expenditure was not always essential in research, he said. It was the spirit behind the work rather than the funds which brought about success.

Canadian Onions

Canadian Onion Week, January 25 to 31, did a lot to increase the popularity of Canadian onions. It also brought to light some interesting facts about this rapidly growing industry. Per capita consumption of onions in Canada in 1930 was about 10 pounds. In other words, this means that a total of 100,000,000 pounds—50,000 tons or some 2,000 carloads—of onions were eaten by Canadian people. This huge quantity came principally from two sources. Canadian growers produced 19,976 tons, and something over 20,000 tons were imported from the United States. Over \$750,000 was spent by Canadians on United States grown onions. Canadian production is increasing rapidly and is of exceptional quality.—Dept. of Agriculture, Ottawa.

Montreal Church Guttled

St. Denis Church, Montreal, with only the walls and towers standing, following a blaze which gutted it, doing some \$300,000 damage.



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The Markets

PRODUCE QUOTATIONS

Toronto dealers are buying produce at the following prices:

Eggs—Ungraded, cases returned, fresh extras, 24 to 25c; fresh firsts, 21 to 22c; seconds, 16 to 18c.

Butter—No. 1 Ontario creamery, solids, 31½ to 32c; No. 2, 30½ to 31c. Churning cream—Special, 31 to 32c; No. 1, 30 to 31c; No. 2, 27 to 28c.

Cheese—No. 1 large, colored, paraffined and government grade, 14¼ to 14½c.

Quotations to poultry shippers are as follows:

Poultry, "A" grade, alive—Spring chickens, 6 lbs., 19c; over 5 to 6 lbs., 18c; over 4½ to 5 lbs., 16c; over 4 to 4½ lbs., 15c; 4 lbs. and under, 14c.

Fatted hens, 5 to 6 lbs., 19c; over 4 to 5 lbs., 17c; over 3½ to 4 lbs., 14c; over 12 lbs., 5c; do, 8 to 12 lbs., 3c; do, under 8 lbs., 2c; old turkeys, 2½c. Geese, market prices. Old roosters, over 5 lbs. each, 12c. White ducklings, over 5 lbs., 25c; over 4 to 5 lbs., 23c; Muscovie ducks, over 5 lbs., 20c; 4 to 5 lbs., 16c. Guinea fowl, per pair, \$1.25.

Poultry, "A" grade, select, dressed—Spring chickens, 6 lbs., 24c; over 5 to 6 lbs., 22c; over 4½ to 5 lbs., 21c; over 4 to 4½ lbs., 19c; 4 lbs. and under, 18c. Fatted hens, 5 to 6 lbs., 22c; over 4 to 5 lbs., 21c; over 3½ to 4 lbs., 18c; under 3½ lbs., 16c. Old roosters, over 5 lbs., 15c; white ducklings, over 5 lbs., 28c; over 4 to 5 lbs., 26c.

WHOLESALE PROVISIONS

Wholesale provision dealers are quoting the following prices to retail dealers:

Smoked meats—Hams, med., 23 to 28c; smoked rolls, 25c; breakfast bacon, 33c; backs, sea-mealed, 26 to 30c; do, smoked, 37c.

Pork loins, 23c; shoulders, 17c; butts, 18½c; hams, 18 to 19c.

Cured meats—Long clear bacon, 50 to 70 lbs., 20c; 70 to 30 lbs., 18c; 90 to 110 lbs., 17c; lightweight rolls, 19c; heavyweight rolls, 18c.

Lard—Pure, tierces, 14½c; tubs, 15c; pails, 15½c; prints, 15½ to 16c.

Shortening—Tierces, 12c; tubs, 12½c; pails, 12½c.

Special pastry shortening—Tierces, 15c; tubs, 15½c; pails, 16c.

GRAIN QUOTATIONS

Grain dealers on the Toronto Board of Trade are making the following quotations for car lots:

Man. wheat—No. 1 hard, 64½c; No. 1 Northern, 62½c; No. 2, do, 61½c; No. 4, do, 58½c (c.i.f. Goderich and bay ports).

Manitoba oats—No. 3 C.W., 34½c; No. 1 feed, 33½c; No. 2 feed, 25½c.

Man. barley—No. 3 C.W., 26½c; No. 4 C.W., 25½c.

Argentine corn—66c (c.i.f. Port Colborne).

Millfeed, del. Montreal freights, bags included; Br. per ton, \$21.25; shorts, per ton, \$21.25; middlings, \$27.25.

Ontario grain—Wheat, 65c; barley, 38c; oats, 27c; rye, 35c; buckwheat, 48c.

HAY AND STRAW PRICES

Dealers are quoting shippers for hay and straw, carload lots, delivered on track, Toronto, the following prices:

No. 2 timothy, ton, \$14 to \$14.50; No. 3, do, \$13 to \$13.50; wheat straw, \$8 to \$8.50; oat straw, \$8 to \$8.50.

LIVE STOCK QUOTATIONS

Heavy beef steers, \$6.25 to \$7; butcher steers, choice, \$6.75 to \$7; do, fair to good, \$6 to \$6.50; do, com., \$5 to \$5.75; butcher heifers, choice, \$6.50 to \$7; do, fair to good, \$6 to \$6.50; do, com., \$5 to \$5.75; butcher cows, good to choice, \$4.50 to \$5; do, med., \$3 to \$4.25; canners and cutters, \$1.85 to \$2.50; butcher bulls, good to choice, \$4 to \$4.75; do, bolognas, \$3.50 to \$3.75; baby beef, \$7.50 to \$9; feeders, good, \$5.25 to \$6.25; stockers, \$4.50 to \$5.75; springers, \$6 to \$8; milkers, \$4 to \$6; calves, good to choice, \$10 to \$14.50; do, med., \$3 to \$9; do, com., \$6 to \$7.50; do, crassers, \$4.50 to \$5; lam's, choice, \$8.50; buck lambs, \$7.50; sheep, \$2 to \$5.50; hogs, bacon, f.o.b., \$8.50; do, do, w.o.c., 75c to \$1 discount; do, butchers, \$1 per hog premium; do, select, \$1 per hog premium.

Empire Marketing

Calgary Herald (Ind. Cons.): For several years British dealers and officials of the Empire Marketing Board have been pointing out that the chief cause for the declining sale of Canadian butter and bacon in the Old Land is the irregularity of supplies. The Marketing Board has performed an invaluable service in urging British consumers to patronize Canadian products, but its work has been nullified by the failure of Canadian exporters to take full advantage of the friendly sentiment. It is estimated that Canada does not ship enough bacon and butter to Great Britain to supply the needs of more than a few weeks in the year. It is obvious that if this condition continues Canadians have only themselves to blame. Here is one field in which a market for Canadian products is available, and an opportunity provided for sustained co-operative effort on the part of Canadians.

Vaccination Triumphs

Kingston.—Opposition to vaccination of school children proved fruitless in this city when the Board of Health refused the request of the Board of Education, Separate School Board, and Trades and Labor Council to rescind the emergency order for the vaccination of all school children.

Declaring that the regulation providing for this undertaking was a provincial one, Dr. S. J. Keyes stated that opposition to vaccination is fast disappearing in Kingston, and estimated that all pupils would soon be made immune to smallpox as a result of the campaign now being undertaken.

Early Ontario Scenes Shown In Exhibition

18th Century Atmosphere Faithfully Reproduced in Village Model

Toronto, Ont.—"Early Ontario" was chosen this year as the theme of the local architectural display which is now recognized as being second only, on this continent, at least to the show held annually by the Architectural League of New York.

Although not so well known to the public, Ontario has architectural traditions quite distinct from the rest of Canada, and an effort has been made to present as complete a picture as possible of Early Ontario architecture. The period covered by this portion of the display is the late 18th and early 19th centuries.

The display was shown, commencing Feb 7th at the Art Gallery here.

Realism its Feature

Hitching post and watering trough, plank walks and roadside ditches; cupola with graceful frame houses, dwellings of substantial native stone and onestorey shops with small-paned windows all conspired to recreate the atmosphere of an eighteenth century Ontario village square.

The old-fashioned "main street" was faithfully reproduced in scale models of buildings selected from hundreds which were measured and considered in the oldest places in the province. It was an apotheosis of native architecture in its purest form, since only the most outstanding examples of the work of early architects and builders was included.

Ladies in crinolines, holding heavily fringed parasols should have gathered to chat cozily with sideburned swains in well-brushed high beaver toppers on the steps of the little church in this model village, St. Andrew's Church, Niagara-on-the-Lake, was built in 1831 on the site of an earlier church destroyed by the Americans in 1813.

In front of the post office, also taken from Niagara-on-the-Lake, the village wisacres should have strolling themselves, spitting occasionally across the walk in the roadway, calling to passing cronies, drowsily swatting at the occasional fly. This building is now actually a private residence but served as post office for many years, having been built, apparently, before 1840.

But while the people in whose lives these buildings played an intimate part were not depicted, it required no effort of the imagination to populate the miniature street with tiny figures whose daily work and play were so strongly suggested by the models of their handiwork.

Dutch High School Pupils Visit League of Nations

Over 60 boys and girls, pupils of different high schools in Rotterdam, some time ago greatly enjoyed an object lesson on League of Nations proceedings, by travelling to Geneva under expert guidance and paying a one week's visit to the League of Nations. The League officials, delighted by the enthusiasm of Rotterdam high school pupils, who had come so far to see the League at work and to learn what it all meant, gave clear explanations concerning the general proceedings of the League of Nations' activities. The pupils attended the assembly and heard prominent members speak.

This highly instructive, and at the same time very pleasant object lesson, on modern peace machinery has made a vivid impression on the pupils. Formerly they had often shown a lack of understanding and interest in the idea of the League of Nations, when they were told about it during the history lessons. It was this apparent lack of interest that stimulated a Rotterdam high school teacher of history to draw up a plan for a pupils' study trip to Geneva, in order to show them what it really is and how it works.

He obtained the co-operation of the Foreign Minister of the Netherlands and the Burgomaster of Rotterdam, and thus the path was smoothed for the Rotterdam pupils, who have carried with them from Geneva a spark of the high ideal which inspired the founders of the League of Nations. The visit has met with such a large measure of appreciation, especially on the part of the parents, that it is hoped to make this trip an annual event in Rotterdam high school life.

C.P.R. Reduce Rates On Car Transportation

Montreal.—A substantial reduction of rates for carrying automobiles when accompanied by their owners on the trans-Atlantic ships of the Canadian Pacific has just been announced here. The new rates apply to all types and makes of machines.

Automobile owners throughout Canada and the United States will avail themselves of these lower rates, particularly since the practice of taking ones' car abroad for touring purposes has increased tremendously during the last few years. As an additional encouragement, no cash deposit, bond or other form of guarantee is required of the passenger in connection with customs formalities.