

GREENHOUSE FOR MARKET GARDENER

Large Number Are Making Shift With Manure-Heated Hot Beds.

GLASS HOUSE CHEAPER

Plants Are Not Endangered Thru Change of Temperature.

Many vegetable growers live remote from the market or operate on too small a scale to justify the erection and maintenance of a greenhouse. On the other hand, a large number of gardeners are making shift with manure-heated hotbeds when they should have greenhouses to start their crops in. It is poor economy to use hotbeds when greenhouses would serve the purpose so much better.

All the arguments are in favor of the greenhouse when a large amount of glass is required. It is more economical to operate both in fuel and labor. It is much more pleasant as well as convenient to work in a greenhouse than to stoop over frames, especially if the weather is disagreeable. The greenhouse gives the grower perfect control over the soil and atmospheric conditions. He is inside the structure, where his eye notices very quickly if the soil is too wet or too dry. The plants are not endangered by probable drops in temperature, as the boiler may be fired more heavily to provide the proper heat. Cold air is admitted at will without a cold draught striking the plants, as is likely to occur when hotbed ashes are raised for ventilation and watering. The air in hotbeds is likely to become too close and steamy, causing damping off, and weak, spindly plants; while these troubles seldom occur in greenhouses the less attention is given to ventilation.

The greenhouse may also be used in forcing lettuce or other vegetables before the space is needed to start early vegetable plants. This gives employment to the farm hands during stormy weather, and if the houses are properly handled, they become a source of revenue when there is no income from crops grown in the open. A greenhouse makes summer the year round on one spot on the farm, and this argument, altho it relates to sentiment, is well worth considering.

It is not necessary to build very large houses unless the forcing of low or vegetables is contemplated. A house 30 by 75 feet will serve the purpose for 25 or 30 acres of vegetables. If the ground is skilled and can combine vegetable forcing with

open soil work, he might be able to use to advantage an acre or so of glass, provided the market conditions are favorable. The size of the greenhouse must be determined by the number of plants to be raised for cold frames. If the plants are merely held in the beds until the first transplanting the house need not be large. At least 300 seedlings should be started on every square foot of bed or bench space if they are to be transplanted in four weeks.

The location is important. The house should be protected if possible from the hard north and westerly winds. It should be comparatively near the dwelling and convenient to the cold frames. The water supply must also be taken into consideration when locating the greenhouse.

There are various forms of greenhouses, the lean-to, hillside, three-quarter span and even span. Of these the even span is the most popular. Definite experiments show that none of these plans have any real superiority over the others. It is largely a matter of preference, altho the three-quarter span houses are better adapted to hillside if the land has not been graded. Houses that run northeast and southwest are satisfactory, altho the position of the house with reference to the rays of the day is a matter of little consequence.

No greenhouse plant is complete without a good potting or transplanting room. It is often convenient to have this room over the boiler room or adjacent to it. See that it is properly heated, ventilated and lighted, and is well provided with good work tables or benches. This room should be pleasant and comfortable to secure the best service from the workmen.

ARMY WORM DOES GREAT DAMAGE

Losses of Over a Million Dollars Have Been Caused by Pests in Michigan.

Losses totaling more than \$1,000,000 have been sustained by Michigan farmers as the result of the army worm pest, said Professor R. H. Pettit, head of the Entomological Department of the Michigan Agricultural College. He explained that he had based his estimate on letters received from farmers in the affected districts. Altho preventive methods are checking the deadly work of this pest, the crop loss is bound to be much greater before the worms are all killed off.

In Ontario the pest is generally well under control at the present time, but in some of the affected districts the losses have been very severe.

AMBASSADORS BOTH LEAVE. LONDON.—Von Schoen presented the declaration of war while leaving Berlin for Cambon to leave.

BELGIUM SECURITIES SAFE. BRUSSELS.—A special train, carrying all the securities of the National Bank of Belgium, left here for Antwerp during the night.

UNION STOCK YARDS

TORONTO ONTARIO

THE PRINCIPAL MARKET FOR BEEF, FEEDER AND DRY CATTLE SHEEP, LAMBS, HOGS AND HORSES

DIRECT CONNECTION WITH ALL RAILROADS

ESTABLISHED 1884

TORONTO BUFFALO WINNIPEG

RICE & WHALEY, LIMITED

LIVE STOCK COMMISSION DEALERS

UNION STOCK YARDS

WE FILL ORDERS FOR STOCKS AND FEEDERS FROM TORONTO, AND WINNIPEG DIRECT.

REFERENCE—DOMINION BANK. OFFICE PHONE, JUNCTION 543

The Corbett, Hall, Coughlin Co.

LIVE STOCK COMMISSION SALESMEN

DEALERS IN CATTLE, HOGS, SHEEP AND LAMBS.

ROOMS 4 and 7, UNION STOCK YARD, West Toronto, Can.

OFFICE PHONE JUNCTION 427

WINNIPEG CONNECTIONS, D. COUGHLIN & CO.

Bill stock in your name, our care, they will receive proper attention.

REFERENCE—BANK OF TORONTO—

SALESMEN: T. J. CORBETT, A. Y. HALL, J. A. COUGHLIN

Coll. 88, Junction 84, Park 2149.

WESLEY DUNN, Established 1893. WM. B. LEVACK, Phone Junction 1842

DUNN & LEVACK

Live Stock Commission Dealers in CATTLE, SHEEP, LAMBS, CALVES AND HOGS

Western Cattle Market and Union Stock Yards, Toronto, Canada

REFERENCES: Dominion Bank, Bank of Montreal, CATTLE SALESMEN: WM. B. LEVACK and JAMES DUNN, SHEEP SALESMEN: WESLEY DUNN, ALFRED HALL, FRED DUNN.

Bill stock in your name to our care. Wire car number and we will do the rest.

Office Phone, Junction 2827.

CO-OPERATION GAINS IN SASKATCHEWAN

Government Report Shows That Big Gains Have Been Made in This Connection.

The co-operative handling of farm products is making good headway in Saskatchewan, and during the past year the number of co-operative societies for one purpose or another has more than doubled. The government report, which has recently been issued, dealing with the co-operative movement in the province, shows that during the last year in the manufacture of butter, the six winter months of 1913-14, the output of 12,733 pounds of butter, whereas, during the same period of 1912-13 it was 7,285,349. The total increase was 122,617 pounds of butter, or an increase of 109 per cent. An increase as large as this in one year goes to show that the people are gradually appreciating the results that are to be obtained thru co-operation, and is very encouraging to those who have been urging co-operation during the past years.

Official Notice to Hollanders in Canada

NOTICE is hereby given that the Government of Her Majesty Queen Wilhelmina has issued orders for the complete mobilization of all Naval Militia, Military and Landwehr (Alliirhengen) and calls upon Hollanders residing in Canada to at once join their regiments. Those who have neglected to report in the past or otherwise failed to comply with the orders will meet with no difficulties.

ALBERT NORDHEIMER, Consul General for the Netherlands, Office, 15 King street east. Tel. Main 7077.

Estate Notices

EXECUTORS' NOTICE TO CREDITORS.—In the Matter of the Estate of Herman Henry Cook, Late of the City of Toronto, Deceased.

Notice is hereby given that all persons having claims against the estate of Herman Henry Cook, who died on or about the 12th day of April, 1914, are hereby notified to send by mail to the undersigned, the particulars of their claims, the statement of their accounts, and the nature of the securities, if any, held by them, duly verified. Immediately after the said 30th day of August, 1914, the claims of the creditors of the estate of Herman Henry Cook, who died on or about the 12th day of April, 1914, shall be paid, and all others will be excluded from the said distribution.

CLARK, McPHERSON, CAMPBELL & JARVIS, 155 Yonge street, Toronto, 4626

H. P. KENNEDY LIVE STOCK DEALER

References: Dominion Bank, R. G. Dun and Bradstreet, J. C. Wilson, Coll. 711, Jos. Atwill, Junr, 607, Jos. Wilson, Coll. 1290, Geo. Ferguson, Junr, 98.

PROMPT AND SERVICE GIVEN TO ALL CONSIGNMENT TRADE.

Salesmen: Mr. Jos. Wilson, Mr. Geo. Ferguson.

We make a specialty of FILLING ORDERS for all classes of Live Stock. Any firm in Canada or United States can be assured of the best possible service on any orders for Choice Feeder, Stockers or Butcher Cattle, H. P. Kennedy, Jos. Atwill and H. H. Harns giving special attention to this line.

We are also large buyers of Live Hogs, either E. O. B. country points or delivered Toronto, Peterboro or Montreal Markets.

C. ZEAGMAN & SONS

LIVE STOCK COMMISSION DEALERS

All classes of Live Stock bought and sold. Consignments solicited. Special attention given to orders for stockers and feeders from farmers.

Address all communications to Loom 11, Live Stock, Exchange Building, Union Stock Yards. Write or phone car number. Phone 4200.

C. ZEAGMAN, JR., Phone College 6983.

C. ZEAGMAN, Junr, Junction 3355.

JOS. ZEAGMAN, Park 1780.

Office Phone, Junction 4231.

McDonald & Halligan

Live Stock Commission Salemen, Office, Rooms 2 and 4, Exchange Building, Union Stock Yards, West Toronto. Consignments of cattle, sheep and hogs solicited. Careful and personal attention will be given to consignments of stock. Correspondence solicited. Reference: Dominion Bank, Queen St. and Augusta Ave. Branch, Office telephone, Junction 1478.

DAVID McDONALD, Phone Park 1775.

T. HALLIGAN, Phone Park 1775.

SEALING TENDERS

Sealed tenders addressed to the undersigned, and endorsed "Tender for Public Works," will be received at this office until 4 p.m. on Monday, August 10th, 1914, for repairs to Timiskaming Dam, Nipissing District, Ont.

Plans and form of contract can be seen and specification and forms of tender obtained at this Department and on application to the Postmasters at North Bay and Mattawa, Ont.

Persons tendering are notified that tenders will not be considered unless made on the printed forms supplied, and signed with their actual signatures, stating their occupations and places of residence. In the case of firms, the actual signature, the nature of the occupation, and place of residence of each member of the firm must be given.

Each tender must be accompanied by an accepted cheque on a chartered bank, payable to the order of the Honorable the Minister of Public Works, equal to ten per cent. (10 p.c.) of the amount of the tender, which will be forfeited if the person tendering declines to enter into a contract when called upon to do so, or fail to complete the work contracted for. If the tender is not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

NOTE:—Blue prints can be obtained at the Department of Public Works, by depositing an accepted bank cheque for the sum of \$10.00, made payable to the order of the Honorable the Minister of Public Works, which will be returned if the intending bidder submit a regular bid.

R. C. DESROCHERS, Secretary, Department of Public Works, Ottawa, August 1st, 1914.

Newspapers will not be paid for this advertisement if they insert it without authority from the Department.—62953, 125

SEALING TENDERS

Sealed tenders addressed to the undersigned, and endorsed "Tender for Public Works," will be received at this office until 4 p.m. on Monday, August 24, 1914, for the above-mentioned building. Works by contract can be seen and forms of tender obtained at this Department.

Persons tendering are notified that tenders will not be considered unless made on the printed forms supplied, and signed with their actual signatures, stating their occupations and places of residence. In the case of firms, the actual signature, the nature of the occupation, and place of residence of each member of the firm must be given.

Each tender must be accompanied by an accepted cheque on a chartered bank, payable to the order of the Honorable the Minister of Public Works, equal to ten per cent. (10 p.c.) of the amount of the tender, which will be forfeited if the person tendering declines to enter into a contract when called upon to do so, or fail to complete the work contracted for. If the tender is not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order, R. C. DESROCHERS, Secretary, Department of Public Works, Ottawa, July 31, 1914.

Newspapers will not be paid for this advertisement if they insert it without authority from the department.—62953, 125

SYNOPSIS OF CANADIAN NORTH-WEST LAND REGULATIONS.

The sole head of a family, or any male over 18 years of age, may homestead a quarter-section of available Dominion land in Manitoba, Saskatchewan or Alberta. Applicant must appear in person at the Dominion Lands Agency or Sub-Agency for the District. Entry by proxy is not allowed.

Duties.—Six months' residence upon and cultivation of the land in each of three years. A homesteader may live within nine miles of his homestead on a farm of at least 80 acres, on certain conditions. A habitable house is required except where residence is performed in the vicinity.

In certain districts a homesteader in good standing may pre-empt a quarter-section alongside his homestead. Price \$3.00 per acre.

Duties.—Six months' residence in each of three years after earning homestead patent; also 50 acres extra cultivation. Pre-emption obtained as soon as homestead patent, on certain conditions.

A settler who has exhausted his homestead right may take a purchased homestead in certain districts. Price \$3.00 per acre.

Duties.—Must reside on the land in each of the three years, cultivate 50 acres extra, and erect a house worth \$200. The area of cultivation is subject to reduction in case of rough, scrubby or stony land, or if stock may be kept on the land for cultivation under certain conditions.

W. W. CORY, C.M.G., Deputy of the Minister of the Interior, N.B.—Unauthorized publication of this advertisement will not be paid for.—62953, 125

SEALING TENDERS

Sealed tenders addressed to the undersigned, and endorsed "Tender for Public Works," will be received at this office until 4 p.m. on Monday, August 24th, 1914, for the above mentioned work.

Plans, specification and form of contract can be seen and forms of tender obtained at the office of Mr. Thomas Hastings, Clerk of Works, Postal Station, York street, Toronto, at the Post Office, Campbellville, Ont., and at this Department.

Persons tendering are notified that tenders will not be considered unless made on the printed forms supplied, and signed with their actual signatures, stating their occupations and places of residence. In the case of firms, the actual signature, the nature of the occupation, and place of residence of each member of the firm must be given.

Each tender must be accompanied by an accepted cheque on a chartered bank, payable to the order of the Honorable the Minister of Public Works, equal to ten per cent. (10 p.c.) of the amount of the tender, which will be forfeited if the person tendering declines to enter into a contract when called upon to do so, or fail to complete the work contracted for. If the tender is not accepted the cheque will be returned.

The Department does not bind itself to accept the lowest or any tender.

By order, R. C. DESROCHERS, Secretary, Department of Public Works, Ottawa, August 1st, 1914.

Newspapers will not be paid for this advertisement if they insert it without authority from the Department.—62953, 125

WARD PRICE AUCTIONEERS

"THE CITY MART," 87 KING ST. EAST. The most central Auction Rooms in the city. Prompt settlements. Advances made on consignments if required. Phone 4178.

LINER ADS

Properties For Sale

\$300 TO \$500 CASH

SECURE for your cash of the prettiest 8-roomed houses in Toronto. These houses are worth \$400, and it is only due to the fact that they must be sold at once regardless of price that they can be purchased at such a ridiculously low price. Builders are asking larger cash payments for houses costing half the price. No reasonable offer will be refused. They are situated in one of the best sections of the city, convenient to car lines, including trolleys. It will cost you less than rent to buy one of these. They contain 8 large, bright rooms, are constructed from the best grades of brick and stone, have cross and through hall, parlor has mahogany mantel, dining room has paneled walls and plate rail, living room is furnished in early English style, with brick fire place, hardwood floors downstairs, four good bedrooms, three-piece bath, large kitchen, two entrances to cellar, upper and lower verandas. Separate side entrance. Can be bought on exceptionally easy terms. Phone Main 1297 for further particulars.

FOR SALE.—The property leased to the Pacific Hotel, North Bay. The ownership, this time, finds it necessary to sell the property. The Pacific Hotel is one of the best known hotels in Northern Ontario, and is proposed sale of the property affords a splendid opportunity for a permanent and profitable investment. Offers of purchase may be sent to Messrs. O'Connell & Corkery, Solicitors, Peterborough, Ont. The highest or any offer not necessarily accepted. 62953

Farms For Sale

Apples, Apples, Apples

There is twenty-two acres of orchard on this fine hundred-acre farm, located in the heart of the city. The orchard is two acres out about twenty years old. The buildings consist of a large barn, a large frame house, with hot water heating, bath, etc. A large bank, also inside. Running spring in lane. Telephone in house, mail delivered at the gate. One mile from town, forty miles from Toronto. Price \$10,000; \$4,000 down, balance arranged. Write for views of this fine property. Phil & Eileen, Whitby, Ont. 62

A—A—WE SPECIALIZE in Niagara fruit farms and St. Catharines city property. Melvin Gayman, Limited, St. Catharines. 62

ALL KINDS OF FARMS FOR SALE.—Niagara district fruit farms and St. Catharines property a specialty. R. W. Locke, St. Catharines. 62

FARM FOR SALE.—150 acres, suitable for mixed farming and fruit-growing; good two-story house; fair buildings; large orchard. Particulars Box 113, Oakville. 62

FOR NIAHARA DISTRICT fruit and grain farms write J. F. Gayman, St. Catharines. 62

ONTARIO LAND GRANTS.—Located and unlocated parcels for cash. Mulholland & Co., 200 McKinnon Bldg. 62

Land Surveyors

R. C. SEWELL, Ontario Land Surveyor, 79 Adelaide East. Main 6417.

Real Estate Investments

FIRST MORTGAGE FUNDS to loan on good residential property at current rates. Frank Bott, 707 Kent Building, Adelaide 255. 62

INVESTMENTS for profit, real estate, stocks, bonds, mortgages and securities. The Exchange, Hamilton, Canada. 62

WM. POSTLETHWAITE, Confederation Life Building, specialists in city and farm properties. Correspondence solicited. 62

Signs

SIGN AND WINDOW LETTERS, Day and Shand, Main 741. 83 Church street. 62

SIGN CONTRACTORS, Cox & Rennie, 35 East Richmond street, next to Shea's. 62

WINDOW LETTERS AND SIGNS, J. E. Richardson & Co., 147 Church street, Toronto. 62

Coal and Wood

THE STANDARD FUEL CO., Toronto, Telephone Main 4103. 62

Metal Weatherstrip

CHAMBERLIN METAL WEATHER-Strip Company, 555 Yonge street, North 4292. 62

Art

J. W. L. FORSTER, Portrait Painting, Rooms, 25 West King street, Toronto. 62

WANTED

We have client to purchase a central warehouse between Jarvis and Simcoe and south of Queen. Specifications as follows: About 40 feet frontage, about 21,000 square feet. Good light and good shipping facilities.

What Have You?

DOVERCOURT LAND BUILDING & SAVINGS

Latest Form of Mortgage and Building Loan in Canada.

OFFICE TO RENT

GROUND FLOOR 24 TORONTO STREET 18 x 20 Feet - Very Bright. Apply 200 R. M. MELVILLE & SON

Teachers Wanted

PROTESTANT TEACHER wanted for S.S. No. 2, Wollaston, to begin September first. Address, stating salary and references, to Rev. J. J. Doherty, S.S. No. 2, Wollaston, Ontario. 62

TEACHER wanted for S.S. No. 2, Wollaston, to begin September first. Address, stating salary and references, to Rev. J. J. Doherty, S.S. No. 2, Wollaston, Ontario. 62

Money to Loan

FUNDS for short term loans. J. A. Haisted, 156 Bay street. 62

MONEY TO LOAN: That mortgage, large amounts only; \$5,000 upwards; low rate of interest. J. J. Doherty, Real Estate and Financial Broker, Crown Office Building, Queen and Victoria streets. 62

4200 LEND—City firms; agents wanted. Reynolds, 71 Victoria. 62

Business Opportunities

TRACTIONS furnished for fall fairs, halls, societies, etc. Address H. Dawson, 160 Duke street, Toronto, Ont. 62

Plastering

REPAIRING—Roughcasting, any description. Cambridge, 43 Berryman street. Phone N. 988. 62

REPAIR WORK—Plaster, Relief Decorations. Wright & Co., 30 Mutual. 62

Roofing

SLATE, felt and tile roofs, sheet metal work. Douglas Bros., Limited, 134 Adelaide West. 62

Building Material

LIME, CEMENT, ETC.—Crushed Stone and gravel, delivered. Matricated, quality; lowest prices; prompt service. The Contractors' Supply Company, Limited, Junction 4006, Main 4224. Hillcrest 870, Junction 4147. 62

Lumber

PINE, hemlock and spruce lumber; hardwood flooring, lath and shingles. Dewar Lumber Co., Toronto. 62

Carpenters and Joiners

A. & F. FISHER, Store and Warehouse, 1111 Church. Telephone. 62

RICHARD G. KIRBY, Carpenter, Contractor, Jobbing, 589 Yonge street. 62

House Moving

HOUSE MOVING and Raising done. J. Nelson, 115 Jarvis street. 62

Dentistry

PAINLESS Tooth Extraction specialized. Dr. Knight, 256 Yonge, over Seligson. 62

Razor Sharpening

MEN—Don't throw away safety blades! We sharpen them—better than new; send them to us. We sharpen everything. Toronto. Keen Edge Co. 62

Hatters

A. FISKE, ladies' and gents' hats block. 61 Yonge street. 62

LADIES' and gentlemen's hats cleaned and remodeled. Fiske, 35 Richmond east. 62

Live Birds

CAMPION'S Bird Store; also taxidermist. 115 Dundas. Park 75. 62

HOPKINS—Canada's Leader and Greatest Bird Store, 109 Queen street. 62

Wanted

WANTED—Machinery and motor repairs. Mooring's Machine shop, 40 Pearl street. 62

Whitewashing

WHITENING, plaster repainting and water painting. O. Torrence & Co., 177 De Grassi street, Phone Gerrard 44. 62

Herbalists

FILES—Cure for piles? Yes. Alver's Cream Ointment makes a quick and sure cure. City Hall Drugist, 44 Queen west. 62

Articles For Sale

VICTROLAS, GRAPHOPLANS and records bought, sold or exchanged. Dundas Record Depot, 841 Dundas street. 62

Collectors' Agency

ACCOUNTS and claims of every nature collected everywhere. Send for free booklet K and forms. Commercial Collection Co., 77 Victoria street, Toronto, Ont. 62

Motor Cars

ENGLISH CARS slightly used at great bargains. Napier, six-cylinder, 60-horse-power, Straker Squire, 4-cylinder, 2-seater, very speedy; and English, Humber, 4-seater; all in first-class condition. Apply at once, Stepien Motor Wheel Company, Limited, 120 King street east, Toronto. 62

Showcases and Outfittings

ANDREWS—12 ELM STREET, MAIN 186. 62

Butchers

THE ONTARIO MARKET, 432 Queen West, John Doebl, College 806. 62

Cartage and Express

PHONE HASTINGS, Coll. 1799, for bag, bag transfer. 62

Rooms and Board