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Medical Directory.

DR. JAMIESON & JAMIESON
Office and residence a short distance east of the Hahn House, on Lambton Street, Lower Town, Durham. Office hours: 2 to 5 p.m., 7 to 9 p.m., except Sundays.

J. G. HUTTON, M.D., Ch.M.
Office: Over A. B. Currey's office, nearly opposite the Registry Office. Residence: Second house south of Registry Office on East side of Albert Street. Office hours: 9 to 11 a.m., 2 to 4 p.m. and 7 to 9 p.m. Telephone communication between office and residence at all hours.

J. L. SMITH, M.B., M.C.P.S.O.
Office and residence, Corner of Countess and Lambton Streets, opposite old post office. Office hours: 9 to 11 a.m., 1:30 to 4 p.m., 7 to 9 p.m., Sundays and Thursday afternoons excepted.

DR. BURT
Late Assistant Royal London Ophthalmic Hospital, England, and to Golden Square Throat and Nose Hospital. Specialist: Eye, Ear, Throat and Nose. Office: 13 Frost Street, Owen Sound.

DR. BROWN
L.R.C.P., London, England. Graduate of London, New York and Chicago. Diseases of Eye, Ear, Nose and Throat. Neustadt, Ont.

Dental Directory.

DR. W. C. PICKERING, Dentist.
Office: Over J. & J. Hunter's Store, Durham, Ont.

J. F. GRANT, D.D.S., L.D.S.
Honor Graduate University of Toronto, Graduate Royal College Dental Surgeons of Ontario. Dentistry in all its branches. Office: Over D. C. Town's Jewellery Store.

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Barrister and Solicitor
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Markdale, Durham and Dundalk
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Lot 7, Con. 21, Egremont, containing 100 acres; about 85 acres under cultivation, balance hardwood bush; convenient to school; on the premises are a frame barn 42x65 with stone foundation; concrete stables; also hay barn 30x50 with stone basement; hog pen 20x40; twelve-room brick house, furnace heated, also frame woodshed; drilled well close to house with windmill, concrete water tanks; 30 acres seeded to hay; 10 acres to sweet clover; this farm is well fenced and in a good state of cultivation. For information apply to
Watson's Dairy, R.R. 4, Durham. 212tf

CATTLE FOR SALE

One good cow, and one heifer supposed in calf. Apply to W. Hill, Durham. 125tf

FOR SALE

1 second-hand Gasoline Engine, 3 1/2 horsepower, in good running order, for \$25.00. Also Brantford Iron Pumps, the easiest working and cheapest pump on the market, \$7.00 and up.—W. D. Connor, Durham, Ontario. 316tf

FARM FOR SALE

Lots 39 and 40, E.G.R., Glenelg, 200 acres; good soil, well watered; drilled well with windmill; never failing spring creek; situated in first-class neighborhood; Durham 5 miles, Provincial Highway 1 1/2 miles; school 1/2 mile; Rural Mail and Bell telephone; well fenced and in good state of cultivation; good bush and a few acres cedar swamp; 7 acres fall wheat; fall plowing; barn 55x65 with annex 36x52, stone stabling underneath; cement floors; running water; cement silo 12x30; litter carrier; drive shed 24x60; stone house with water system throughout, hard and soft, hot and cold, bath, furnace heated; woodshed and garage. Will sell with stock (48 head, 13 pure bred Aberdeen-Angus), and implements if so desired. Reasonable terms. Inspection invited.
Jno. & Chas. Moffat, Durham, Ont. R. R. 1. Phone 696-18.

UNPAID FARM HELPERS

Birds Work Well for Man Practically Without Wages.

Do Splendid Work in Field and Orchard—Meadow Larks and Robins Real Friends of Farmers—Redbreast Devours Many Out-worms—Farmer's Wife Should Be a Co-partner.

(Contributed by Ontario Department of Agriculture, Toronto.)

When we employ a man and put him to work in the fields destroying the weeds and insects that are injurious to crop production, we are obliged to pay for the service with the coin of the realm. If the weeds and insects were not controlled, crop production would be greatly hampered. We willingly pay the human labor to cultivate and protect the crops, while at the same time giving little thought to the great service rendered by birds as farm help—yes, unpaid farm help. Weeds grow from weed seeds. Destroy the weed seed and we could in time get rid of this agricultural pest. Insects that feed on farm crops come from the eggs of moths, flies, beetles and butterflies; destroy these early in the year and prevent the swarms of young crawlers gaining life and menacing the crops.

The Bird is the Unpaid Farm Help. A meadow lark will eat each day weed seeds and insects in quantity greater than its own body weight. Four ounces of weed seeds or young grasshoppers each day on an average for the year would mean the destruction of over 90 pounds in a year. Twenty meadow larks on the farm would consume a ton of weed seed during the year. A ton of weed seed gathered from the fields may seem like delivering a large order, but a little flock of meadow larks will do it. Are such birds worth protecting? If you saw a little meadow lark perched beside a hundred pound sack of weed seeds, the gathering of which represented his year's work, don't you think your heart would soften and you would spare the bird's life? The normal man who appreciates a good friend will not injure nor will he permit any one else to injure the insect and weed destroying birds of our meadow lands.

The Robin No Mere Fruit Thief. Is the robin a cherry thief? No, this bird has a perfect right to satisfy his hunger by consuming a few cherries in season in the orchard where he works as an insect destroyer for six months of the year without any wage contract. The few cherries and other domestic fruits that robins take during June and July make up less than one-third of their food for that short period. During the rest of the season, from March to October, the robin feeds largely on insects that infest the orchard and garden. If it were not for the good work of the robin, many attempts at vegetable production would fail. Vegetable gardens and small fruit plantations are largely at the mercy of the cut-worm. Redbreast a Great Devourer of Out-worms.

The robin is the best cut-worm hunter that we have. His daily capacity when the hunting is good and there are hungry nestlings to feed, is not less than 300 cut-worms per day. Any bird that will destroy 300 cut-worms each day during the season when the garden vegetables are getting started is certainly worthy of the respect of all people. The taking of a few cherries or an odd strawberry by the robin is just to change the taste in his mouth after consuming so many wiggly worms. Be broad-minded, and protect the robin. Only the meanest of narrow-minded people will destroy such a useful bird. Protecting Fruit From Birds.

If every single cherry must be reserved for sale, and robins abound, cover the tree with wire netting or old fish net or else put up a cherry cack or old auto-horn in the tree. The period of cherry raiding is short, since the birds prefer the wild fruit and will go to the fence rows as soon as they are ripe, leaving the cultivated fruit. Protect the meadow lark from the boy with a gun, and protect the robin from people who do not know any better than to destroy a useful servant. The farm birds make life possible for us all.—L. Stevenson, Sec., Dept. of Agriculture, Toronto.

Farm Wife Should Be a Co-Partner.

It is only a contented, willing, thrifty and competent wife that can provide adequately for the needs of the farmer and keep the social atmosphere of the farm so wholesome and pleasant that work becomes a joy to the family and to such help as may be employed. One of the shames of farm life is that such services are accepted as a matter of course, and that little, if any, recognition is given for the important place taken by the wife and mother in making the farm financially successful and the home a fit place in which to rear a family. One of the best definitions I have heard of an ideal farm is "A home with a farm business attached." If this view were to be commonly accepted the plane of living on farms would be much higher than it now is, and the duties and influence of the home manager would be put on a par with the duties and influence of the farm manager. Then the farm business would become a partnership in fact.

Meat Consumption Figures.

The average per head consumption of meat of all kinds, exclusive of poultry and game in Great Britain, was about 120 pounds a year prior to the war. Of this amount three-fifths was home-produced, and two-fifths was imported. Of the overseas supply 70 per cent. of the mutton, 17 per cent. of the beef, and 9 per cent. of the pork came from within the Empire—Canada, Australia, New Zealand and South Africa.

Here and There

Banff.—J. B. Harkin, Commissioner of National Parks, has announced that the formal opening of the Banff-Windermere Road, work on which was concluded last year, will take place on June 30. The ceremony is to be held at Vermilion Crossing, half way between Banff and Windermere, motors leaving both ends of the road early in the morning to meet at that place. The suggestion has been made by R. E. Bruce, of Invermere, that the National Park be named "Columbia National Park," and the road leading up the Columbia Valley from the boundary to Golden be named the "Canadian Columbia Highway."

Victoria.—Motorists will have a new circuit trip available with the completion in May of the eight-hundred motor ferry now building at Yarrow. Not only will Island and Mainland be linked by the operation of this craft, but the Canadian Pacific will have the steamer "Charmer" engaged in the purpose farther north. The "Charmer" will operate between Vancouver and Nanaimo, furnishing accommodation for all types of cars. With the new ferry in service, a new circuit will be made available—from Seattle via Bellingham to Sidney, thence to Victoria over paved road, to Nanaimo over the Malahat, thence by the "Charmer" to Vancouver and down the Pacific Highway to the border line and Seattle again.

The motor ferry will have ample height between deck to allow for all classes of cars. During the busy season it will make two round trips every day. The vessel will be fitted with observation rooms and open deck spaces to give tourists every opportunity to enjoy at their ease the fine scenery through the channels between San Juan, Lopez and other islands of the San Juan archipelago.

St. John, N.B.—The Canadian Pacific freighter, "Bolingsbroke" recently brought from London the largest import cargo to reach St. John since the war. She was crammed to the hatches with more than 4,700 tons of general merchandise. Capt. E. Landy, who is in command, said that he had never carried a more valuable cargo and expressed great satisfaction that not a single package had been lost. Included in the cargo were silks and other valuable dress goods, dry goods of various descriptions, perfumes and many other expensive commodities. A cargo of this kind makes lots of work for the longshoremen.

Vancouver.—Carrying a record shipment of Canadian apples to the Orient the Canadian Pacific 16,850-ton liner, "Empress of Asia" recently sailed. On opening the crates in the Oriental ports the consignees of past shipments have found that the apples are as fresh as if taken from the tree. This is partly due to the fact that at this time of the year the perishable cargo only gets one day of tropical heat during the whole voyage across. The "Asia" took approximately 350 tons of this commodity in her holds, the largest consignment of apples to go through the Narrows this season for the Orient.

St. John, N.B.—Figures compiled at C. P. R. headquarters show that the port of St. John has handled very much more freight to January 19th this season, as compared with the corresponding period of last year.

Exports totalled 260,472 tons of all classes of freight handled by the C. P. R. officials through this port since the beginning of the winter port business. Last year during the same period 146,393 tons passed through St. John; showing an increase of 114,079 to date for the present year.

Last year's import business during the same period totalled 27,692, while this year 28,832 tons of import freight have been recorded, an increase of 1,140 for the present winter port season.

The total increase in both export and import business for the port's business to date shows 115,219 tons over that handled during the same period a year ago.

Victoria.—Just what use to make of the forty-foot Indian war canoe presented the Canadian Pacific Company by the Alert Bay Indians is a problem that is giving Capt. J. W. Troup, manager of the B. C. Coast Service, considerable thought. Chief Johnnie, of the Alert Bay tribe, came down in person to make the gift to the Canadian Pacific officials, and in his native tongue expressed the appreciation of his followers to the company for the attention given them whenever travelling on the Princess steamers.

Problems of the Farm

Contributed by Grey County Department of Agriculture

Last week we saw the conclusion of the Clarksburg Short Courses. Upwards of fifty attended the Ladies' Courses and thirty-five attended the Young Men's Course. They proved a decided success.

The thanks and gratitude of the instructors are due to Messrs. Hartman, Hamilton, Buchanan, Running, Reekie Bros., Brown Bros., and others who assisted in many different ways.

At the conclusion of the Boys' Course a Junior Farmers' Improvement Association was organized. The following are on the executive: Hon. Pres., J. H. Hartman; President, Brock Shore; Vice-President, W. Reid; Secretary-Treasurer, George Carscadden; Directors—Stanley Running, Bruce Reekie, Ed. Patterson.

Considerable work is outlined for these young men and it is anticipated they will carry out the task assigned, as every confidence is reposed in them.

This week the Agriculture and Home Nursing Courses will commence at Holstein. This will be the last month's course for 1923. It is hoped that it will be possible to conduct several three-day courses in March with the Agricultural Societies in the County.

Hog Clubs.

To date there have been eight Hog Clubs organized in Grey County. Several are being formed so that before spring the number of Improved Hogs will greatly affect the quality of bacon in Grey. The clubs are scattered over the county fairly uniformly.

Lice on Cattle.

Since sending a recipe for a louse-killer to the local papers some time ago many inquiries have been received. Evidently it has not been noticed by some. For the benefit of those who did not see it, it is printed in full again: One pound insect or pyrethrum powder, one pound hellebore, and three to five pounds of sulphur. Try it. It will not cost much.

Stock Improvement.

A letter has recently been received at the office asking for the names of any farmers who have bulls and boars for sale in the county. Such opportunities come very rarely and it will pay any breeder who has such stock for sale to get into communication with the office.

The aim of the office is the service which can be rendered to the farmer. Many more could avail themselves of its offers of help. It is a matter of greater co-operation. Let the Department of Agriculture, Markdale, help you. Farmers, it will pay.

DANGER IN FARM WELL WATER

Water from the farm well may be clear and sparkling and pleasant to the taste, and yet polluted, and in consequence a source of danger to health. If it comes from a shallow well that is located too close to a source of contamination, it is certain sooner or later to become unwholesome. The Chemistry Division of the Experimental Farms at Ottawa, which examines well waters from farm homesteads, reports that about 35 per cent. are found to be unsafe for drinking purposes. It should be remembered, however, that only sus-

pected samples are sent in. Of 119 samples dealt with in 1922, 24 per cent. were found to be pure and wholesome, while the remainder were either suspicious or positively dangerous. Care should therefore be exercised, first in locating the well and, secondly, in seeing that it is properly protected from contamination. The Dominion Chemist in his annual report recommends a spring or pure stream as perhaps the best source of water supply. Water from such a source may be piped to the house and farm buildings by gravitation if a proper fall can be secured but otherwise by the aid of a windmill, gasoline engine, or hydraulic ram. A well to be reasonably safe should be at least fifty yards from the barnyard or other possible contaminating source. It is further recommended that a radius of fifty yards be kept entirely free from all manure and other filth and preferably maintained in sod. It will be found of very considerable value to line the well to a depth of 10-12 feet and to a thickness of say six inches with concrete or puddled clay continuing this wall or lining for a foot above the ground. A safe supply can usually be depended upon if the well is bored or drilled through a layer of impervious rock, tapping a deep-seated source of water.

Water that is suspected of contamination may be made safe by either of two simple ways. One is to boil it for ten or fifteen minutes; the other is to treat by chlorination. Rub up a level teaspoonful of chloride of lime in water to the consistency of a creamy paste. This may be diluted with a pint of water and kept for some days bottled and corked as a stock solution. A teaspoonful of this solution should be added with stirring to each two gallons of the water being treated. After fifteen minutes all disease germs present will be destroyed.

Farmers desirous of an analysis should write to the Division of Chemistry, Experimental Farm, Ottawa, for the necessary directions for the collection and shipment of the sample.

FOR SALE

Good double house and comfortable frame house in Upper Town; hardwood floors, two mantels, hot air heating; large clothes closets in bedrooms; good cistern; hen-house; one-half acre of good garden land. Cheap to quick buyer.—R. J. Matthews, Durham. chgd. 32tf

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- (1) Junior Matriculation. (2) Entrance to Normal School (3) Senior Matriculation, (4) Entrance to Faculty of Education.

Each member of the staff is a University Graduate and experienced Teacher. Intending pupils should prepare to enter at beginning of term.

Information as to Courses may be obtained from Principal. The School has a creditable record in the past which it hopes to maintain in the future.

Durham is an attractive and healthy town and good accommodation can be obtained at reasonable rates. C. H. Danard, B.A., Principal. C. Ramagie, Chairman. J. F. Grant, Secretary.

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