

SMALL ADS.

Advertisements of one inch or less, 35 cts. for first insertion, and 15 cents for each subsequent insertion.

Medical Directory.

DR. JAMIESON & JAMIESON
Office and residence a short distance east of the Hahn House, on Lambton Street, Lower Town, Durham.

J. G. HUTTON, M.D., G.M.
Office: Over A. B. Curry's office, nearly opposite the Registry Office.

J. L. SMITH, M.B., M.C.P.S.O.
Office and residence, Corner of Countess and Lambton Streets, opposite old post office.

DR. BURT
Late Assistant Royal London Ophthalmic Hospital, England, and to Golden Square Throat and Nose Hospital, Specialist: Eye, Ear, Throat and Nose.

DR. BROWN
L.R.C.P., London, England. Graduate of London, New York and Chicago.

Dental Directory.

DR. W. G. 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.

Legal Directory.

A. B. GURREY
Barrister and Solicitor
Durham and Hanover. Money to Loan

LUCAS & HENRY
Barristers, Solicitors, Etc.
Markdale, Durham and Dundalk. A member of the firm will be in Durham on Saturday of each week.

Licensed Auctioneer

DAN McLEAN
Licensed Auctioneer for County of Grey. Satisfaction guaranteed. Terms reasonable.

J. RAINFORD
Piano Tuner
Durham, Ontario.
General expert. Repairs a specialty. Orders left at H. J. Snell's Music Store promptly attended to.

FARM FOR SALE

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

FOR SALE

1 second-hand Gasoline Engine, 3/4 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

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. 321tf

FARM FOR SALE OR RENT

180 acres adjoining town of Durham; in good state of cultivation; 6 acres fall wheat; ploughing nearly all done; spring water piped to house and stable; comfortable frame house, 6 rooms; bank barn, cement floors; terms easy. Apply to S. E. Langrill, R. R. 3, Durham. 2155pd

IMPORTANT AUCTION SALE OF SCOTCH SHORTHORNS

Ten bulls 9 to 13 months old; two registered heifers; to be held on Thursday, March 1, on Lot 113, one mile south of Markdale. W. I. Bows, Proprietor; J. S. Shepherdson, Auctioneer.

SPIRELLA CORSETS

Ladies—Call at once and get your goods. Intending buyers will do well to examine our large stock now on hand. Any style and size. Prices from \$4.50 up. THE SPIRELLA PARLORS Mrs. J. C. Wisbol Nov. 28 1yr. Representative.

All Our Graduates

have been placed to date and still there are calls for more. Get your course NOW. If you do not get it you pay for it anyway in smaller earnings and lost opportunities.

Enter any day. Write, call or phone for information. CENTRAL BUSINESS COLLEGE Stratford and Mount Forest

NOTICE TO FARMERS

The Durham U.F.O. Live Stock Association will ship stock from Durham on Tuesdays. Shippers are requested to give three days' notice. James Lawrence, Manager, Phone 606 r 3 Durham, R.R. 1 1127 tf.

SHIPPING EVERY SATURDAY

Mr. Arnold D. Noble informs us that hereafter he will ship Hogs from Durham every Saturday forenoon. Highest prices paid. 1123 tf

WOOD FOR SALE

Hard and soft. Apply to J. J. Clark, Durham. 1127 tf

PIGS FOR SALE

10 bacon-type pigs, weight about 35 pounds. Apply James Shackleton, corner 4th of Sullivan and the Chesley Road. 211 tf

FARM FOR SALE

North part of Lots 7 and 8, Con. 22, Egremont, containing 66 acres; 55 acres cleared, balance hardwood bush; in good state of cultivation; frame barn 44x50, stone basement, concrete stables; drilled well and cement tank at barn. Also Lots 6 and 7, Con. 4, S.D.R., Glenelg, containing 110 acres; 100 acres cleared and in good state of cultivation; on the premises are a brick house containing seven rooms, with good frame woodshed attached; drilled well at door; never failing springs on this farm, making a choice stock farm; this property will be sold right to quick purchaser. For particulars apply at Watson's Dairy, R.R. 4, Durham. 212tf



NOTICE TO CONTRACTORS

Separate sealed tenders marked "Tender for Contract No. ...." will be received by the undersigned until 12 o'clock noon on Wednesday, March 7, 1923, for the following work on the Provincial Highway:

Grading. Contract No. 880—Chatsworth S. E. 3 miles. Contract No. 881—Chatsworth northerly 3.5 miles.

Concrete Culverts: Contract No. 889—Holland, Sullivan, Derby and Sydenham.

Contract No. 890—Artemesia, Glenelg and Holland.

Contract No. 891—Holland.

Contract No. 892—Melancthon.

Contract No. 893—Proton, Artemesia and Melancthon.

Contract No. 940—Artemesia and Glenelg.

Contract No. 956—Normanby, Egremont, Bentinck and Glenelg.

Plans, specifications, information to bidders, tender forms and tender envelopes may be obtained on and after Wednesday, February 14, 1923, at the office of the undersigned, or from C. A. Robbins, Resident Engineer, Durham, and C. E. Bush, Resident Engineer, Orangeville, Ontario. A marked cheque for \$500.00 payable to the Minister of Public Works and Highways, or a Guaranty Company's Bid Bond will be required with all tenders for culverts or grading. A Guaranty Company's Contract Bond for 50 per cent. of the amount of the tender will be required when the Contract is signed.

The lowest or any tender not necessarily accepted.

All bonds must be made out on forms furnished by the Department. W. A. McLEAN, Deputy Minister of Highways, Department of Public Highways, Ontario, Toronto Feb. 7, 1923.

UNAVOIDABLE LOSSES

How Farm Land Deteriorates in Necessary Mineral Supplies.

What One Steer Takes From the Land—Some Don't Like to Believe It—These Losses Must Be Replaced—Meat Trade Talks at Heavy Weights.

(Contributed by Ontario Department of Agriculture, Toronto.)

With the exception of nitrogen our agricultural investigators have failed to find any means by which they could add to nature's supply of plant food in the soil except by transfer of minerals rich in fertilizing properties from rich deposits to the cultivated areas. Cultivated lands will gradually lose their mineral elements, particularly phosphorous and potash, through crop production. The return of all manure made from the crops produced delays the day of exhaustion, but exhaustion will eventually come more quickly by some practices than others it is true, and the man that follows live stock farming while not returning all to the soil can greatly delay the day of reduced fertility and short crops.

What One Steer Takes From the Land.

Every time a 1,000-pound fat steer is sent to market 15.51 pounds of phosphorous pent oxide, 1.76 pounds of potash, and 17.92 pounds of calcium goes with him. A one hundred acre farm sending twenty 1,000-pound steers to market each year is sending incorporated in their bodies, principally in the bones, 35.20 pounds of potash, 358.40 pounds of lime, 310.20 pounds of phosphorous. If the farm did this continuously for one hundred years—some of our Ontario farm lands have been farmed that long—the amount of fertilizing elements subtracted from the original stock in the soil is such as to greatly limit crop production. If the crops from which the steers had been made had been sold off the land the fertilizing elements or stock of plant food in the soil would have given out many years sooner.

Many Farmers Don't Like to Believe It.

Many of our farmers do not like to think that the fertility of their lands is running down, and will argue against their own consciences, and finally develop a state of mind which prevents them from returning to the soil sufficient mineral elements to maintain the necessary balance in soil fertility that insures crop yields equal to the yields characteristic to virgin soils. On certain good farms in southern Ontario with which I am familiar I estimate that the mineral fertility mining, during the past seventy-five years has, under the generally accepted good management, been approximately as follows per acre: Phosphorous removed, 489 pounds; potassium removed, 2,491 pounds; calcium removed, 1,059 pounds; of these quantities probably fifty per cent. was returned in the manures through periodical applications. The unreturned aggregate 244.5 pounds of phosphorous, 1,245.5 pounds of potassium and 529.5 pounds of calcium represents approximately what each acre of farm land has lost. Is it any wonder, then, that the crop yields have been greatly reduced in many of the older sections of the Province?

These Losses Must Be Replaced.

To bring the old soils back to maximum production one of the things we must do is to replace in quantity to satisfy crop demands, the potash, phosphorous and lime. These elements are essential, and must be present in available condition and in quantity. The best farmed soils will gradually lose fertility if something is not done toward the replacing of the mineral elements removed in crops and sold off the farm either as grain, beef or milk.—L. Stevenson, Toronto.

Meat Trade Talks at Heavy Weights.

"The day of the heavy weight has passed," says E. F. Ferrin of the animal husbandry divisions of the University of Minnesota in referring to conditions and demands of the meat trade. "Light weights are easily disposed of, while heavy carcasses are hard to move. Overweight lambs have long been heavily penalized in price when sent to market, and the same condition prevails with hogs and cattle. It does not pay any meat producer to market more weight than is necessary in getting his stock in fairly well fattened condition. Only about 15 per cent. of the market demand is for steers weighing more than 1,300 pounds. And to sell well these must be good to choice beefs offered during the holiday season. Yearlings weighing 900 to 1,100 pounds, often termed baby beef, are the desired kind, and more recently 650 to 800 pound weights are in strong demand.

"A three dollar spread between prices for butcher hogs and smooth heavy sows frequently prevailed on the South St. Paul market last summer. No one can escape the verdict that lard is unwanted in these days of common use of vegetable oils and compounds.

"Of course a reasonable degree of finish is necessary to make any carcass of meat tender and juicy. This animals, no matter how well bred, make unpalatable tough meat. But it is a mistake to market nowadays an overfat or heavy meat animal, because the consuming public does not want that kind of goods."

An egg is 65.7 per cent. water. You cannot expect your pullets to lay unless they have an unlimited supply of clean, fresh water at all times. Always keep the nappers full of grit, oyster shells and charcoal.

Here and There

St. John, N.B.—J. M. Woodman, general superintendent of the C. P. R., New Brunswick district, announced that the only large expenditure in his district during the year will be for ballasting and bridges. Mr. Woodman returned from Montreal, where he was on a business trip.

Edmonton.—The northern railway extensions, which under the recently announced agreement with the Union Bank will be proceeded with next spring, are to be built by the Canadian Pacific Railway Construction Department. One of the conditions of the agreement between the provincial government and the bank interests is that the C. P. R. do the construction work, it is stated by Premier Greenfield, and the conditions will be complied with by the government, which had originally intended building the roads under its own railway department.

Port Arthur.—Additional trackage accommodation will be constructed by the Canadian Pacific Railway in its Port Arthur yards this coming summer, especially at Current River, to take care of the increasing grain trade to be created by the elevators there. Other work will also be done locally and at Fort William considerable will be undertaken, including the replacement of the two large freight sheds destroyed recently by fire, with buildings of an improved and fireproof type.

Carleton Place, Ont.—On the occasion of the retirement of roadmaster Jelly and section foreman J. Millikin from the C. P. R. Company's service, the fellow employees and their wives gathered at the town hall, Saturday, and a social evening was spent. The tables were laden with the very best that a caterer from Ottawa could provide, and about 150 people were present from all classes of the company's service.

St. John, N.B.—C. E. McPherson, Assistant Passenger Traffic Manager of the Canadian Pacific Railway, with headquarters at Winnipeg, was in St. John recently, the guest of his brother-in-law, Dr. W. W. White. Mr. McPherson is always a welcome visitor to St. John where he was for many years as the representative of the C. P. R. up to 1897 when he went to Toronto, and later in 1899 to Winnipeg, his headquarters since. He has watched this Western metropolis grow from a town of 40,000 to a city of 200,000.

Yorkton.—Another milestone in the history of railway development in Yorkton and district was marked when the members of the clerical staff of the C. P. R. freight department took up their quarters in the offices of the new freight shed. This building is 240 feet long and 40 feet wide, and provides accommodation for eighteen cars of freight. The building and track alterations involved an expenditure of nearly \$70,000.

Winnipeg.—Great interest in the increasing of facilities for the storing and handling of grain at the head of the lakes was reported by Charles Murphy, general manager of the Canadian Pacific Railway, who returned from Fort William. Mr. Murphy stated there would be an enlargement of at least 4,000,000 bushels in the storage capacity during the coming summer, and it was hoped the new equipment would be in working order in time to take care of the next crop. Two privately owned elevators were to be erected and the buildings of the Saskatchewan co-operative company to be enlarged he stated. One construction outfit was already on the ground and construction would be rushed as soon as weather conditions permitted.

AUCTION SALE OF FARM STOCK, IMPLEMENTS AND HOUSEHOLD FURNITURE

The undersigned Auctioneer has been instructed to sell by Public Auction at LOTS 39 AND 40, CONCESSION 2, E. G. R., GLENELG, on THURSDAY, MARCH 1, 1923

the following Cattle

6 Grade Cows in calf; 10 Pure Bred Aberdeen-Angus, in calf; 2 young Bulls; 1 Pure Bred Heifer Calf.

Young Cattle.

7 Steers and Heifers, rising 2 years old; 11 Calves; 11 Fat Cattle, if not previously sold.

Horses.

Mare, 14 years; Mare, 13 years; Mare, 3 years of Hens.

Implement.

McCormick Binder; Massey-Harris Hay Loader and Side Delivery Rake; Cultivator, Drill and Roller; Mower; Pea Harvester; Gang Plow; 2 Walking Plows; Iron Harrows; Spring-tooth Harrows; Manure Spreader; Scuffer; 2 pairs Sleighs; Double Wagon Box; Fanning Mill; Scales, beam and platform; Road Cart; Buggy; Cutter; Plow Harness; Light Harness; a quantity of Hay.

Household Goods.

Range; Washing Machine; Churn; Tables; Bedsteads, etc.

Forks, Rakes, Chains, and other articles too numerous to mention.

Absolutely no reserve, as the Proprietors have sold their farm.

Terms.—Hay and all sums under \$10.00, Cash; over that amount any time up to 12 months on approved joint notes with interest at 6 per cent. Sale at 1 o'clock sharp. John and Charles Moffat, Proprietors, D. McPhail, Auctioneer. 2152

A NOVEL REQUEST

The Mildmay Council is having placards printed asking that only those who have business will present themselves at the Council meetings, and that those who have business will kindly retire after their business is transacted. The Council Chamber is not large enough to permit of "visitors" spending the whole evening there, and in future the Council hopes to be spared this inconvenience.

NEW MOTOR HIGHWAY IN JASPER PARK

A survey for a possible location for a forty-five mile stretch of motor road in Jasper National Park from the town of Jasper to the eastern park boundary is being carried out by two location survey parties under the supervision of the Engineering Service of the Canadian National Parks Branch, Department of the Interior. Two lines are being run, one following for a distance of approximately twenty-five miles the abandoned Grand Trunk Pacific and Canadian Northern Railway beds and the other running wholly independent of the old road beds. By this means it will be possible to select the most economical route and at the same time determine what portions of the abandoned grade may be utilized.

THE TEN COMMANDMENTS

(Port Rowan News.) Fifty years ago when Dr. Ryerson introduced our present school system provision was made for the teaching of the Ten Commandments in our public schools. We think that this rule should be obligatory upon all teachers still. These commandments are of great antiquity and come to us out of the brightness of the dawn of civilization, and, as a matter of fact, civilization would not be possible without them. They are foundation truths, first principles of our social life and should be stamped indelibly upon the memory of every child.

JUST BE SQUARE

It doesn't make very much difference whether you're white or you're brown; You may journey through life in a city, Or a little cross-roads country town. You may gather a fortune colossal, And hold your head high in the air, But folks will remember you better If you've just treated everyone square. You may be a wonderful scholar, Far and wide you may win great renown, But you'll feel a lot better at bed-time If you're square in your own home town. So you'd better exist in a hovel, And feel that with men you'd been fair, Than to live in a palace of marble And know that you haven't been square. —O'Lynne Lee.

AUCTION SALE

Farm Stock & Implements

The undersigned Auctioneer has been instructed to sell by Public Auction at LOT 17, CONCESSION 13, EGREMONT, on THURSDAY, FEBRUARY 22, 1923

the following:

Horses

Bay Mare, 11 years old; Bay Horse, 9 years old; Bay Gelding, rising 4 years old; Roan Filly, rising 3 years; Bay Colt, rising 1 year old.

Cattle

Cow, due September 26; Cow, 3 years old, farrow; Cow, 8 years old, due February 27; Cow, 7 years old, due March 10; Cow, 6 years old, calf at foot; Cow, 7 years old, due March 2; Cow, 5 years old, due February 13; Cow, 8 years old, due March 25; 5 Steers 2 years old; Heifer 2 years old; 5 Steers 1 year old; 2 Heifers 1 year old; Calf, 3 months old.

Sheep

9 well-bred Oxford Down Ewes, supposed to be with lamb; 3 Oxford Down Ewe Lambs; Registered Oxford Down Ram Lamb.

Pigs

Brood Sow, due April 20; 11 Pigs 3 months old.

Poultry

3 Geese; 1 Gander; 2 Ducks; 1 Drake; 25 Rock Hens.

Implements.

Massey-Harris Binder, 5 ft. cut; Massey-Harris Binder, 7 ft. cut, new; Massey-Harris Fertilizer Seed Drill, 13 disc; Massey-Harris Cultivator, 17 tooth; 4-section Harrow, Deering; Fleury Walking Plow; Oliver 2-furrow Riding Plow; Hamilton 1-furrow Riding Plow; Land Roller; Wagon and Box; Truck Wagon; Stock Rack; Hay Rack; Top Buggy; Bain Sleigh, nearly new; Cutter; set Heavy Harness; set Single Harness; set Web Tug Harness; 8 horsepower Gilson Engine; Ensilage Cutter, with pipes; Cat Roller; Buzz-saw, 30-inch blade; 16 feet 6-inch Rubber Belting; 60 ft. 3-inch Rubber Belting; Filshie Threshing Machine, 32-in. cylinder, with carriers; 25-gallon Steel Gas Tank; Grind Stone; Emery Stone; Root Pulper; Bluebell Cream Separator; Sugar Kettle; 4 good Horse Collars; Wheelbarrow; Logging Chains, Forks, Shovels and other articles too numerous to mention.

Hay and Grain.

5 tons Hay; 500 bushels Oats; 400 bushels Barley.

No reserve, as the farm is sold. Sale commences at 1 o'clock sharp. Terms.—Hay, Grain, Poultry and all sums of \$10.00 and under, Cash; over that amount 12 months' credit will be given on approved joint notes or 5 per cent. off for cash.

JOHN LEITE, D. McPHAIL, Proprietor, Auctioneer.

CATTLE FOR SALE

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

tions of the abandoned grade may be utilized. When completed this road will form an important link in the proposed Edmonton-Vancouver motor highway. The provincial government of Alberta has already started work on the road from Edmonton to the eastern park boundary.

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Durham High School

The School is thoroughly equipped to take up the following courses:

- (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. Ramage, Chairman. J. F. Grant, Secretary.

Silver Black Foxes

A limited number of shares for sale in Priceville Fox Co., Limited Priceville, Ont. at \$100. Par Value

All registered pure bred stock. Low capitalization. All common stock. Absolutely no watered stock. Ten years experience breeding. Stock from P.E.I.

Write for further particulars to PRICEVILLE FOX CO., Limited PRICEVILLE, ONT.

GRANT'S AD.

- Navy Blue Radium Lace, yard \$1.50 Heavy Crepe De Chines, yard 2.75 All Wool Black Serge, per yard 2.00 Colored Marquissette, at per yard .60 Children's black Sateen Rompers .75 Men's Shirts at 1.15, 1.50 and 2.25

C. L. GRANT