

EDS!

Support of Florence King

KNIP seeds.

R,

DURHAM

carpenters and builders.

Require Tools of any call at The Hardware, where you will find the greatest assortment ever in town.

FARMERS

in and examine our collars, Sweat Pads, Pins, Plow Lines, and Horse Clippers everything that is for Spring Work.

WIVES.

Purchasing elsewhere of Copper and Silver, Copper Nickel and other useful Kits.

Black.

R. GUN, M. D., Surgeon, McLachlan's Store, 8 to 10 A.M., 2 to 4 P.M., 7 to 9 P.M.

C. S. BURT, The Royal London Ophthalmic and the Golden Square Nose

EAR, THROAT & NOSE EXCLUSIVELY, 10 Mclachlan House, Durham, one each month from 2 P.M. to 11 P.M.

AL VICTORIA Co. of Canada

Agent for Durham, remuneration will be pleasing to take up the

Life Insurance

YELLOW LABEL, tell correctly ph you are paid. Additions have a made and we ask ds to examine closely

**Clover, Timothy and Other Grass Seeds**

at lowest market prices. Quality is first consideration with us.

**Ground Oil Cake, Flaxseed and Linseed Meal.**

**MacFarlane & Co.**  
Druggist & Booksellers.

**Big 4**

**HE SELLS Colder's Block CHEAP!!**

- Lace Curtains 25c. 65c. 75c. 90c and \$1.25 a pair.
- Roller Window Shades, 35c. each.
- Heavy Twilled Sheetings 2yds wide, 25c. a yard.
- Table Linen 54 inches wide, 25c. a yd. " 68 " " 50c. "
- Floor Oil Cloth, 1 yd wide, 25c. a yd. " 2 " " 50c. "
- Table Oil Cloth, 45 in. wide 25c. a yd.
- Woman's Straw Sailors 35c. up to 75c.
- Our New Prints are in.
- Don't forget the Big 4, when you want a new pair of Shoes for the spring.
- Salada Ceylon Tea, Black, or mixed 25c. 30c and 40c a lb.

W. H. BEAN

**TWEEDS & YARNS**  
Of best quality.

**GROCERIES**  
DRY GOODS, CROCKERY, HOOTS & SHOES, &c.,

We can give you Bargains.

**S. SCOTT.**

**Jake Kress.**

Lower Town Durham

**FOR FURNITURE**

The Best Quality cheaper than ever

**Undertaking**  
PROMPTLY ATTENDED TO.

**JAKE KRESS**

MISS MARGARET G. GUN.

Honor graduate of the Presbyterian LADIES' COLLEGE, Toronto, having taken the Musical Course at the Toronto Conservatory of Music, which is in affiliation with the above college. Pupils taken at her mother's residence, corner of Durham and Elgin Sts.

**THE COW THAT PAYS THE BEST.**

The question as to which is the most profitable cow is one that cannot be decided in any arbitrary manner. There are so many circumstances and contingencies to be taken into consideration, that, after all is said and written on the subject, each man must decide the question largely on his own judgement.

He will find it necessary to consider the nature of his farm: the suitability of his buildings and implements; the cost of hired help if such is required; the proximity of a good market for his finished products, and many details. The comparative advantages of beef-growing and dairying would probably be the first point considered by a farmer who was just about to make start in cattle raising. Men who have had long experience in either of these lines, are not likely to change to the other line, involving as it does, changes in farm routine, in variety and management of crops, in buildings and equipments, without a good deal of deliberation. That beef-production can be carried on with a smaller expenditure for labor and utensils is perhaps true, and it certainly does not require the constant attention to business that dairying entails.

Next comes the question of breed. It will, I think, be generally conceded by fair minded men that there is no "best" breed. Everything depends on circumstances. A breed that proves highly satisfactory in one district, may be found entirely unsuited to different environments. Only four breeds of beef cattle, viz:—Shorthorns, Herefords, Galloways, and Aberdeen-Angus have attained popularity in Canada, and only the first mentioned can be said to be generally distributed. The others may equal the Shorthorns for beef production, and even surpass them under certain conditions, but the superior milking qualities of the Shorthorns, and particularly of the grade have given them an unequalled popularity among our farmers. Where feed is plentiful, and the country not so high or broken, they are likely to prove satisfactory beefers, and in addition will produce a fair amount of milk. The ease with which good bulls of this breed can be procured for grading purposes, is also an argument in its favor. Breeders of the other sorts are comparatively few, and the opportunity for choice is small, when one desires to select a bull. In the colder parts of Canada, and on the bare pastures of the mountainous districts, the Galloways and West Highlanders, should prove serviceable on account of their hardiness and activity.

Among the dairy breeds, the Ayrshires, Holsteins, Jerseys, Guernseys and French Canadians are all held in considerable esteem. The latter have been almost unknown outside of the province of Quebec until the last year or two, but they are now attracting considerable attention. Under adverse circumstances, such as scanty pastures, lack of proper winter feed and care, &c., they will probably yield a greater percentage of profit than those breeds which have for generations been accustomed to good food and care. The Guernseys although highly thought of in the U. S., have never gained sufficient foothold in Canada, to enable our farmers to judge their suitability for this country. Both they, and their close relatives the Jerseys, are especially adapted for the production of fancy butter or cream for a high priced city trade, and the majority of Canadian herds of these two breeds, are, I think, used for this purpose. The Ayrshires and Holsteins seem to be gaining in popularity among the general dairy farmers who support the cheese factories and creameries, and with the dairy Shorthorns, are likely to divide the greater part of the dairy field between them. The Holsteins are likely to do better on the level lands, with flush pastures and plenty of winter food, while the Ayrshires should, I think, find more favor on rolling or hilly lands, because of their great activity.

But, while certain well defined differences may characterize the various breeds, yet it may be well to remember that there is much greater differences between individual animals of the same breed than between different breeds. A good cow is a good cow no matter what her breed may be. Therefore let each man select the breed that he considers best suited to his conditions, and stick to it.

Let him buy, or breed available bulls of that breed, and continue to grade up his herd to a higher degree of excellence year by year. The practice followed by some farmers of using bulls first of one breed and then of another, is fatal to all plans of building up a handsome uniform and profitable herd of grade cows, and that is just what most farmers require. The average man does not need pure bred females: in fact will do better with good grades. The breeders of pure bred stock, are, like the poet, born, not made. He must inherit a love for animals and an aptitude for handling them, otherwise his investment will prove unprofitable, and all his efforts a disappointment.

**USE OF COVER CROPS AND FERTILIZERS.**

Prof. I. P. Roberts, of Cornell University says:—Cover crops may in a measure, take the place of fertilizers and manures. They are not, however a universal panacea for all soil deficiencies, neither are they a full substitute in all cases for fertilizers. There is always a wide field for the profitable use of one or all of the concentrated forms of fertilizers named, and in many cases there is also a special place for the use of fertilizers, therefore the more need of honest goods. Commercial fertilizers furnish available plant food but no humus. The cover crop furnishes both, but it is only fair to say that the plant foods in the former are more available than in the latter. Cover crops improve the physical condition of the soil, lessening the cost of tillage. Physically, fertilizers benefit the soil little or none. The humus furnished by the cover crops increases the availability of the plant food already in the soil: fertilizers do not. Cover crops shade the land and conserve moisture.

It is impossible to accurately compare the cost of fertilizers with the cost of seeds for the cover crops and the preparation of the soil for them. The cost of increasing productivity by extra tillage, by the use of fertilizers, by cover crops or by all these means, can only be determined in each case by the farmer interested. I give below a single illustration of what a cover crop contains, knowing that another cover crop under other conditions, might either be more or less valuable. Second growth of clover, furnished in roots and tops per acre the following:—Nitrogen 138.86 lbs.: phosphoric acid 67.35 lbs. potash 109.96 lbs. There is removed by 25 bush. wheat and accompanying straw, Nitrogen, 43 lbs. phosphoric acid, 20 lbs., and potash 37 lbs. It is believed that most of the nitrogen taken up by legumes is secured from the uncombined nitrogen in the atmosphere. The clover did not add to either the store of phosphoric acid or potash. The plant took them from the soil and made them available.

**SEED GRAIN FREE.**

The Ontario Agricultural and Experimental Union is prepared to distribute for experimental purposes good seed of leading varieties of farm crops to an average of sixty-five farmers in each County and District of Ontario. Each person who wishes to conduct an experiment and is willing to use great care and accuracy in the work and report the results of the test directly after harvest should select the exact experiment desired and apply for the same as soon as possible. The material will be forwarded in the order in which the applications are received until the limited supply is exhausted. Although material for not more than one experiment will be sent to each person, it might be well for each applicant to make a second choice for fear the first could not be supplied.

- LIST OF EXPERIMENTS FOR 1902.**
- 1—Three varieties of Oats.
  - 2—Three varieties of six-rowed barley.
  - 3—Two varieties of Hulless barley.
  - 4—Emmer (Spelt) and two varieties of Spring Wheat.
  - 5—Two varieties of Buckwheat.
  - 6—Three varieties of Field Peas for Northern Ontario.
  - 7—Two varieties of bug-proof Field Peas.
  - 8—Cow Peas and two varieties of Soy or Japanese Beans
  - 9—Three varieties of Husking Corn.
  - 10—Three varieties of Mangolds
  - 11—Two varieties of sugar Beets for feeding purposes.
  - 12—Three varieties of Swedish Turnips.
  - 13—Kohl Rabi and two varieties of Fall Turnips.
  - 14—Parsnips and two varieties of Carrots.
  - 15—Three varieties of fodder or silage Corn.
  - 16—Three varieties of Millet.
  - 17—Three varieties of Sorghum.
  - 18—Grass Peas and two varieties of Vetches.
  - 19—Dwarf Essex Rape and Thousand Headed Kale.
  - 20—Three varieties of Clover.
  - 21—Sainfoin, Lucerne, and Burnet.
  - 22—Five varieties of Grasses.
  - 23—Three varieties of Field Beans.
  - 24—Three varieties of Sweet Corn.
  - 25—Fertilizers with early Corn for

**DARLING'S DRUG STORE**  
A NEW STOCK



Four of Pure Drugs, Chemicals and proprietary remedies is being received every week at Darling's Pharmacy. Nothing there is allowed to deteriorate from age, everything is kept fresh, worn and dust proof. Hence you get Medicines in their full strength; hence you get Curatives that Cure; hence you get full value for your money; your Physicians Prescriptions compounded accurately and conscientiously.

**JNO. A. DARLING, Druggist**

**DISTRESSING CASE OF CONSUMPTION.**

Four of One Family Pass Away—Last Daughter Now Ill.

A Toronto clergyman tells of a family in his congregation, which consisted of the mother and five children—the father being dead—four of whom in a few years have fallen victims to consumption and died. And now the fifth, a daughter, who is employed in the office of a wholesaler, and who has been the one source of support to the mother, is obliged to leave her work, realizing that she also—mainly, it is believed, as a result of nursing her brothers and sisters—has contracted this dread disease. Kind friends are interesting themselves in the case, but the difficulty met with is to send her to a place where the proper care and treatment will be given.

It is for such cases as this—and there is hardly a clergyman in any city who is not constantly meeting such appeals—that the new Free Consumptive Hospital, under the auspices of the National Sanitarium Association, is being built. The people of Canada as a whole must feel grateful to Mr. W. J. Gage and the executors of the late Hart A. Massey, who out of their own funds have erected this building. But before it can be occupied it must be furnished with beds and other proper furnishings and appointments. The National Sanitarium Association, already carrying a heavy debt, are not able to furnish the new building so generously placed at their disposal, and are appealing to citizens generally the Dominion over for \$10,000 for this purpose.

It does not need the suggestion that this is the most pressing of all charities at this time, for the public are fully awakened to the widespread character of consumption, and also to the fact, as demonstrated by the best medical authorities, that when this disease is taken hold of in its early stages it, as much as any other disease, is curable. The new hospital, just as soon as the money is raised to complete the furnishings, will be ready to receive fifty patients, free of charge—even their railway fare will not be a tax upon them.

Chief Justice Sir Wm. R. Meredith, 4 Lampport Ave., Toronto, has kindly consented to receive contributions for the Free Consumptive Hospital; or they can be sent to Mr. W. J. Gage, 64 Front St. West, Toronto; or to the National Trust Co., Limited, 22 King St. East, Toronto.

**LOST THREE CHILDREN BY CONSUMPTION.**

A Mother's Letter and Contribution for the Free Consumptive Hospital.

That "one touch of nature makes the whole world kin" is being shown by the many sympathetic and practically helpful letters that are being received in response to the appeal to furnish quickly the new Free Consumptive Hospital, in America. A few days since, Sir William R. Meredith, who has kindly consented to receive subscriptions for the hospital, found in his mail a letter from a mother in Hamilton, which reads:—The enclosed three dollars is a contribution to the Free Consumptive Hospital, being one dollar for each of the three children I have lost by that dread disease.

All over the Dominion families are being broken up by this terrible white plague. Need we wonder that those who have lost loved ones should contribute of their means—much or little—to bring hope and health to others who are suffering in this way, and whose case may become hopeless if help does not come quickly?

Another, signing herself "Let not your left hand know what the right hand doeth," writes Mr. W. J. Gage:—"Enclosed find \$1.00 for the Free Hospital for Consumptives. I would like, if I were able, would give you \$100, or make one of ten to give \$1,000 each, but I am poor. Though very poor, however, I cannot resist your special appeal, and earnestly desire that you will soon have all the cash you require."

The new buildings are completed, and the trustees are anxious that they should be furnished with the least possible delay, so that response be made to the daily and pressing appeals that are coming to them for admittance. Contributions may be sent to Sir Wm. R. Meredith, Chief Justice, 4 Lampport Ave., Toronto; W. J. Gage, Esq., 64 Front St. West, Toronto; or to The National Trust Co., Limited, Treasurer, 22 King St. East, Toronto.

—Census returns show 5,236,109 Canadians, 43,393 Americans and a smattering of 30 other nationalities making in all 5,371,051. By "origin," French lead with 1,649,352, English next with 1,268,575, Irish 989,858 Scotch 798,986, German 309,741 with Indian coming next. There are over 17000 Chinese in Canada and nearly 5000 Japs.

**SPRING TERM**

AT THE *NORTHERN Business College*

**OWEN SOUND, ONT.,**  
Will give you an unequalled opportunity of securing a thorough Shorthand or Business Education. A training in either of our departments will place your services in demand.

Full particulars can be had free, by addressing a post card to

**C. A. FLEMING, Principal.**  
Spring Term begins April 1st.

**STANDARD BANK OF CANADA**

Head Office, Toronto.

CAPITAL, Authorized.....\$2,000,000.  
CAPITAL, Paid up.....1,000,000  
RESERVE FUND.....600,000

AGENTS in all principal points in Ontario, Quebec, Manitoba, United States and England.

**W. F. COWAN, President.**  
**GEO. P. REID, Manager.**

**DURHAM AGENCY.**

A general banking business transacted Drafts issued and collections made on all points. Deposits received and interest allowed at current rates.

**J. KELLY, Agent.**

**J. G. HUTTON, M.D.,**  
Member College Physicians and Surgeons, Ontario.

OFFICE HOURS  
9-12 a. m. 2-4 p. m.

**RESIDENCE AND OFFICE—Old Bank UPPER TOWN, DURHAM.**  
Telephone Connection No. 10

**DENTISTRY.**

**DR. T. G. HOLT L. D. S.**

OFFICE FIRST DOOR EAST OF (The Du nam Pharmacy) Calder's Block. Residence first door west of the old Post Office, Durham.

**ARTHUR H. JACKSON**  
NOTARY PUBLIC, COMMISSIONER, &c.

**CONVEYANCER, VALUATOR**  
Insurance Agent,  
Private Money to Loan.

Collections of all kinds Farms bought promptly attended to and sold

OFFICE—McKenzie's Old Stand  
Durham

**G. LEFROY McCAUL.**  
BARRISTER, SOLICITOR,  
NOTARY PUBLIC CONVEYANCER, &c.

Office—LOWER TOWN DURHAM.

Collections and Agency promptly attended to Wills, Deeds, Mortgages, Leases, Agreements &c. correctly prepared. Estates of deceased persons looked after and Executors' and Administrators' Accounts prepared and passed Surrogate Court Business, Probate of Wills, Letters of Administration and Guardianship Obtained, searches made in Registry Office and Titles reported on.

Company and private Funds to Loan on Mortgages at lowest rates of interest. Valuation made by a competent and careful Valuator.

**All Charges Moderate**

**W. S. DAVIDSON.**  
Barrister, Notary, Con-veyancer, &c., &c....

Money to Loan at reasonable rates and on terms to suit borrower.

OFFICE—McKenzie Block.  
Over the Bank

**J. P. TELFORD.**  
BARRISTER.

SOLICITOR IN SUPREME COURT  
NOTARY PUBLIC, COMMISSIONER, &c.

**MONEY TO LOAN**

**Durham School**

Intending Students should enter at beginning of term, or as soon after as possible.

**Staff and Equipment.**

The School is equipped for full Junior Leaving and Matriculation work, under the following Staff of Competent Teachers for that Department:

THOS. ALLAN, Principal.

MR. MORRISON, B. A., (Specialist), Ass't. Prin

MISS LICK, B. A., Classics and Moderns.

FEES: \$1.00 per month

**Wm. Johnston, C. L. Grant,**  
Chairman, Secretary.

—Reduction in rates to Western Points after March 1st. Call for particulars.— R. MacFarlane Jr., ticket Agent.