Advertisements of one inch or less, \$5 cts. for first insertion, and 16 cents for each subsequent insertion, Over me inch and under two inches, double the above amount. Yearly rates on application.

Medical Directory.

DRS. 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 8 p.m. (except Sundays).

J. G. HUTTON, M. D., C. 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 11a.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 Op- Phone 606 r 3 thalmic Hospital, England, and to 11 27 tf. 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. Grad-uate of London, New York and Caleago. Diseases of Eye, Ear, Nose and Throat. Neustadt, Ont.

Dental Directory.

DR. W. C. PICKERING, DENTIST Office, over J. & J. Hunter's store, Durham, Ontario.

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

Legal Directory

A. B. CURREY Barrister and Solicitor. Money to mile north of Holstein, on Durham and Hanover, Ont.

LUCAS & HENHY Barristers, Solicitors, etc. A member of the firm will be in Durham

on Saturday of each week. Appointments may be made with the Clerk in the office. Durham Markdale

Licensed Auctioneer

DAN. McLEAN

Licensed Auctioneer for County of Grey. Satisfaction guaranteed. Reasonable terms. Dates of sales made at The Chronicle Office or with him-

FARM FOR SALE

Lot 7, Con. 21, Egremont, containing 100 acres; about 85 acres under cultivation, balance hardwood bosh; sold. convenient to school; on the premises are a frame barn 42x65 with stone foundation; concrete stab es; also hay barn 30x50 with stone basement; hog pen 20x40; twelve-room brick house, furnace heated, also water tanks; 30 acres seeded to hay;

Watson's Dairy, R.R. 4, Durham. 2 1 2tf

FOR SALE

tario.

FARM FOR SALE

For full particulars apply owner, Thomas Dayis, R. Priceville.

EGGS FOR HATCHING

Good strain White Leghorn; many hatched in May have been laying thy Hay; quantity Clover Hay, red; every day since January 10. interested, write, call or phone William Jacques, R. R. No. 4, Dur- Banker); about 100 bus. Feed Oots;

FOR SALE OR RENT

Lot 61, Con. 2, Bentinck, 100 acres; real pasture farm; water at each end and centre; timber can be bought separately if desired. Apply to S. E. Langrill, R. R. No. 3, Dur-

NOTICE TO CREDITORS

All persons having claims against the estate of Mrs. Eliza Colbert, deceased, are requested to send such claims by mail or otherwise on before Saturday, the 31st day March, 1923, to the undersigned.

Hicholas Melesh Michael Kenny.

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

THE PERSON AND VALUE OF THE PERSON OF THE

NOTICE TO FARMERS

The Durham U.F.O. Live Stock Association will ship stock from Durham on Tuesdays. Shippers are James Lawrence, Manager, Durham, R.R.

SHIPPING EVERY SATURDAY Mr. Arnold D. Noble informs us that hereafter he will ship Hogs from Durham every Saturday forenoon. Highest prices paid. 11 23 tf

WOOD FOR SALE Hard and soft. Aprily Zenus 727 tf Clark, Durham.

PIGS FOR SALE 10 bacon-type pigs, weight about 35 pounds. Apply James Shackleton, corner 4th of Syllivar and the

AUCTION SALE Farm Stock & Implements

on LOT 38, CON. 3, EGREMONT, half

THURSDAY, MARCH 29, 1923 at 12 o'Clock Sharp.

Horses .- Bay Mare, 6 years old; Brown Mare, 4 years old; Aged Black Mare, in foal to Royal Cadet (Imp.) Bay Driving Horse, 6 years old; I. B. Lucas, K. C. W. D. Henry, B. A. Chestnut Driving Mare, 8 years old; Blood Colt, black, rising 3 years; Blood Colt, black, rising 2 years.

> Cattle.-Grey Cow, 5 years old, due Sept. 20; Grey Cow, 6 years old, due June 25; Red Cow, 9 years old, due July 12; Hereford Cow, 6 years old. due April 12; Grey Cow with calf at foot; Roan Heifer, rising 3 years, fresh; Red Durham Cow, 5 years, supposed in calf; 4 Cattle rising 2 years; 6 Cattle, rising 1 year; Beefring Heifer; Calf, 4 months old; 12 head Fat Cattle if not previously

Swine .- 9 Store Pigs, about 140 lbs Sheep .- 9 Ewes, supposed in lamb. Implements.-M. H. Binder, 7 ft. cut, new; M. H. 13-hoe Drill; M. H. 10-hoe Drill; M. H. 13-tooth Cultiframe woodshed; drilled well close vator; M. H. Corn Scuffler, 2-furrow; to house with windmill, concrete M. H. Manure Spreader; McCormick Mower, 5 ft. cut; Hay Rake; Noxon 10 acres to sweet clover; this farm Disc; Bain Wagon with box; Sleigh is well fenced and in a good state of with rack; Long Sleigh; Fanningcultivation. For information apply mill; set Diamond Harrows, 5 sections; set Heavy Diamond Harrows, 4 sections; 2,000 lb. Truck Scales; M. H. Pulper; 2-furrow Oliver Riding Plow, foot lift; 2 Walking Plows; 2-piece Steel Land Roller; M. H Turnip Sower; Truck Wagon; Dem-1 second-hand Gasoline Engine, 34 ocrat; Top Buggy, steel-tired; Steelhorsepower, in good running order, spoked, Rubber-tired Top Buggy for \$25.00. Alson Brangford Iron Cutter; Hay Rack; Stock Rack; Gravel Box; Melotte Cream Separator. cheapest pump on the market. \$7.00 600 lbs.; 25-gallon Oil Drum; Scufand up.-W. D/Connor, Durham, On- fler; Perrin single-furrow Riding Plow: set Brass-mounted Heavy Harness, with tops; set Double Driving Harness; 2 sets Plow Har-Lots 1 and 2, Concession 3, N.D.R., ness; set Single Driving Harness; Glenelg, containing 100 acres; about Robe; Blankets; Forks; Shovels; 90 acres cleared and in good state of Whiffletrees; . Neckyokes; Grindcultivation; stone house, frame parn, stone; Logging Chains; Crosscu good outbuildings two keyer-fail- Saw; Log Lifter; 2 Sugar Kettles; ing wells; good orchard, etc., etc. Wooden Sap Buckets; Hay Fork the Slings; Grain Cradle; quantity Rubber Roofing and other articles too 3823 tf numerous to mention; quantity 2-

> Hay and Grain.-Quantity Timoabout 350 bushels Mixed Grain; about 200 bushels Seed Oats (New 3 15 4pd about 100 bushels Barley; about 50 bushels Marquis Wheat; quantity of Corn in stook.

inch Elm Planking and other Lum-

Leghorn Hens; Pure bred White Leghorn Cockerel (Guild's Strain) 2 Geese; Gander.

Furniture. 4 Beds; Wash Stand; 3 15 3 6 Dining-room Chairs; Table; Couch; excellent for large areas, as they Rocking Chair; 6 Kitchen Chairs; Daisy Churn; Rag Carpet; Bicycle.

No reserve, as farm is sold.

Terms .- \$10 and under, Cash; over that amount 12 months' credit will or be given on approved joint notes or of 5 per cent. off for cash. Hay, Grain, Fowl and Fat Cattle, cash.

Mrs. Catherine Reid, Wm. Murphy, Auctioneer. Proprietress.

Results of Co-operative Experiments on Ontario Farms.

Over Eighty Farmers Have Experimented-Rape for Perennial Sow Thistle and Twitch Grass-Eradication of Bladder Campion and Cow-Bell.

In 1911 experiments were begun with the object of gathering data from which definite statements might be made regarding the best methods of controlling the various bad weeds of the Province. In this connection over eighty farmers have carried on successful experiments on their own farms under instructions sent from the Director at the O. A. C., Guelph. The weeds experimented with were Perennial Sow Thistle, Twitch Grass, Bladder Campion or Cow Bell, Wild requested to give three days' notice. Mustard, Ox-Eye Daisy, Field Bindweed, Wild Oats and Chess. In nearly every instance they cleaned the field experimented with, and demonstrated to their own satisfaction the effectiveness of the method tried.

As a result of the data gathered from these experiments it is now possible to recommend with confidence definite methods for the eradiction of such weeds as Perennial Sow Thistle, Twitch Grass, Bladder Campion and Wild Mustard.

The Rape Method for the Control of Perennial Sow Thistle and Twitch

middle of June, running over it frequently with a cultivator so as to keep the tops down and thus weaken the "roots." A cultivator with broad points should be used, which will cut of the Sow Thistle or Twitch Grass below the surface of the ground and not break up the rootstocks too much. About the middle of June apply manure at the rate of about twenty tons per acre (twelve good loads.) Cultivate the manure in thoroughly and with a double mould board plough slightly ridge up the land, making the ridges about twenty-six inches apart On the ridges sow pasture rape (Dwarf Essex variety) at the rate of about one and a half pounds per acre. It is important that the right amount of rape be sown for if too little is sown the stand will not be thick enough to smother the weeds; and if, on the other hand, too much is sown the rape plants will be too crowded and now grow vigorously enough to keep ahead of the twitch grass or sow thistle. Sow the rape when the land is sufficiently moist to secure quick germination of the seed. If the rape is slow in starting the twitch grass or sow thistle may get a hold in the rows and thus necessitate hand cultivation. Cultivate the rape every week or ten days until it occupies all the ground and makes further cultivation impossible. If, when the rape is cut or pastured, any of the weeds remain, the field should be ridged up last thing in the fall and put in with another hoed crop the following year. This has not been found necessary when a good stand of rape

has been secured. Eradiction of Bladder Campion of

Cow Bell. Badly infested fields should be ploughed deeply in the fall and then cultivated and cross-cultivated with a broad-shared cultivator in order to break up and weaken the underground rootstocks. In the spring this cultivation should be repeated frequently enough to prevent the plant making any growth above ground until it is time to put in a hoed crop, which must be kept thoroughly clean in order to be effective. A well cared for corn crop planted in hills so that it can be cultivated both ways has been found to give excellent results. Special attention must be given to hoeing out any bladder campion plants which may appear in the corn crop and which are not destroyed by cultivation. One fall and one spring's thorough cultivation followed by a well cared for hoed crop has been found to destroy practically all the bladder campion in a field except in exceptionally wet seasons.

Preventing Mustard Seeding In

Cereal Crops. Iron sulphate or Copperas can be successfully used to destroy mustard in standing grain without injury to the crop. A 20 per cent. solution should be applied. This can be prepared by dissolving 80 pounds of iron sulphate in forty gallons of water. Iron sulphate is dissolved quite readily in cold water. The solution should be strained through a cheese cloth as it is put into the spray pump tank. This will remove dirt and small particles that are apt to clog the nozzles.

Apply on a calm clear day just as the first few plants in the fields show flowers. It is very important to spray early. If the plants are left too long the treatment is not nearly so effective. If a heavy rain comes within twenty-four hours after the solution is applied, it will be necessary to spray again.

How to Apply the Solution.

An ordinary hand pump barrel Fowl.-About 100 pure bred White sprayer, such as is employed to spray fruit trees, may be used, or a potato sprayer can be rigged up to do this work. Many of the up-to-date sprayers have a special broadcast attachment for spraying weeds. These are Care must be taken to see that every Mustard plant is covered with the _J. E. Howitt, O.A.C., Guelph.

> The sluggard will not plough by reason of the cold; therefore shall 212tf he beg in harvest and have nothing. -Prov. 20-4.

Farming is a business; agriculture is a science. The tiller of the soil who blends these two is the man to whom the future offers success.

Here and There

... II . MANNON IN 1922 passed the million ounce mark for the first time since 1902.

Public works to be undertaken in Vancouver this year will cost in the neighborhood of \$10,000,000, of which \$3,000,000 will be spent by the Canad an Pacific Railway on pier construction.

The Canadian Pacific steamship Montcalm carried 900 emigrants for Canada on her last voyage from Liverpcoi, the largest number of emigrants to leave that port this year.

Work was commenced last week on

the new elevator at the Ballantyne

pier. Vancouver, which will cost ap-

proximately \$2,000,000 to complete.

The new elevator will have a storage capacity of 1,500,000 bushels. Three thousand seven hundred licensed grain elevators in Manitoba, Saskatchewan, and Alberta have a total storage capacity of over 100,-000,000 bushels. Ontario, Quebec

and Maritime provinces have storage

elevators with capacity up to 33,180,-

000 bushels.

The first lodge of Free and Accepted Masons in the history of the Merchant Marine World, was recently organized on the Canadian Pacific liner Empress of France, when cruising the Mediterranean Sea with a party of 800 Canadian and United States tourists.

Four thousand seven hundred and eighty-four cars of last season's fruit crop have been shipped out of the Okanagan district of British Columbia up to February 14th, according to a statement made to the Vancouver Board of Trade recently by F. W. Peters, general superintendent of the Canadian Pacific Railway, B.C. divi-

Sault Ste. Marie.-The new downtown ticket and telegraph office of the Canadian Pacific Railway and the Dominion Express Company at the corner of Queen and McDougall street, in the building formerly occupied by the Public Utilities Commission, is one of the finest in the province. There are some larger offices in the larger cities, but none that are better equipped.

Herald Rindal, divisional engineer for the Canadian Pacific Railway, who has been located at Vancouver for the past thirteen years, and F. W. Alexander, divisional engineer for Alberta at Calgary, have exchanged posts, it being the company's policy to develop its engineers by giving them experience with the varying conditions in different parts of the Dominion.

A number of western interests have combined and chartered the Canadian Pacific steamship Pretorian, and the vessel will sail from Montreal on August 1st for Fort Churchill, for the purpose of proving to the satisfaction of the interested parties whether or not conditions of navigation to and from Hudson's Bay can be made a commercial success. Between three and four hundred passengers from the west will make the

J. S. Brown, president of the Brown Fruit Company of Edmonton, Alta., returned on the Metagama last week from a three months' visit to Europe. He was present in Germany when the that the feeling was very bitter between the two races. On the other hand, a Canadian, American or Britisher was given a cordial welcome: this being largely due to a speech in which Lloyd George advocated a compromise. Travel in Germany, he sold, was surprising'y cheap, he having made one trip of nearly 190 miles for the sum of fifty cents in Canadian currency.

When the Canadian Pacific steamsh'p Metagama, which left St. John's on March first for Glasgow, reaches her destination. Captain G. B. Evans. O.B.E., her commander, will have completed his last vovage in command of the vessel. Captain Evans. who is the oldest and one of the most highly estremed commanders in the service of the Canadian Pacific Steamships, Limited, is retiring after a career at sea of 48 years, during which time he crossed the Atlantic in command 578 times, and conveyed 247 922 naccongers, of whom 71,000 were Canadian and American troops He was in command of the Missanahie when this ship was sunk by the Germans 'n 1918, and he will be remembered by many passengers as the cantain of the Minnedosa, the Montcalm or the Empress of Scotland.

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 solution in the form of a fine spray. right to quick purchaser For particulars apply at

Watson's Dairy, R.R. 4, Durham.

BULL FOR SERVICE

Shorthorn; pedigreed; Lot 1 and 1 of 2, Con. 1, Egrement.-Fred Noble, Varney, Proprietor. 3 15 2p

Problems of the Farm

Contributed by Grey County Department of Agriculture

School Fairs.

Within the last month 125 schools in every Township in Grey County the back and carrying her width have sent in applications for grain, well out from the hips to the pelvic vegetables, flower seeds, potatoes bone. and eggs. A large number of the 6. The keel or breast-bone should Townships have nearly all their be straight in outline and run parschools engaged in the competition. allel with the back or sloping down. The schools in Osprey and Glenelg This gives the bird capacity for proare not numerous again this year, ducing eggs. but perhaps a larger number will 7. To measure the capacity of a vet enter. The time for sending ap- hen, place the little finger on the plications has been extended to point of the keel bone and the first March 31. The Department of Agri- finger on the point of the pelvic culture at Markdale is anxious to bones. The capacity is measured by have a great increase this year.

Nitro Culture.

ting catches of Cover or Aifalfa? If these bones the greater is the capayou did, come or write to the De- city. pariment at Markdale. They can secure sufficient Nitro Culture neat a bushel of either Cover Aifaifa seed for nothing. Extra bot- desired. tles will cost 50 cents. There

on their seed free of charge. The of- hers in their own flocks and see for ficials will come to your farm and themselves. As there are beef, dairy show you how to treat your seed if and dual types of cattle, so there notice is sent them when the clover are egg producers corresponding to will be sown. Last year about 30 the dairy cattle and meat fowls cor-Grey County farmers were assisted. responding to the beef cattle. It They did not feel that they could is to separate these two types of follow the directions which always fowls that culling is necessary to get accompany the Culture, therefore eggs in winter. Don't be content asked for help.

Remember, farmers, now is the yourself. lime to get ready for seeding. If you want Nitro Culture order it from the Department at Markdale at once. If you leave the ordering off till you want it there is a chance it cannot over a battleship for the first time be had at once. Tell the kind of in his life and, being keenly interseed you wish to treat as each clover requires different Culture.

Its value is undisputed. Wherever it has been tried after being properly applied by following instructions he pointed to the grenade in the to the letter it has given excellent results. Many of the most successful farmers in Grey County would prise. not now sow alfalfa without it. Have you tried it? Let us help you to he asked. "Why, that's a turnip, of get a sure catch of clover in 1923.

Rural Credit Work.

During the past week two or head.!" three applications for the Long Term Loan have been received in the office of the Agricultural Representative, Markdale. In Grey County quite a large number have been taking advantage of this legislation. No Short Term Loan Associations have completed organization in Grey County as yet although in the Province of Ontario fifteen are in operation and more are being started.

The Long Term Loan provides for French invaded the Ruhr, and he said the starting of young men on the farm or the paying off of a mortgage. In the former case 65 per cent. of the value of the farm is allowed, whereas in the latter only 40, per cent, is allowed. Repayment is made on the Amortization plan. simply means that an equal amount is paid every year for 20 years. The amount paid is \$87.18 for every \$1,000 borrowed. The rate of interest on all loans is 6 per cent. Many have been assisted. How about you? Full information is given in response to a letter or interview asking for the same.

Poultry Work.

Owing to the increasing importance in Poultry work and the universal carrying on of that industry, the Department at Markdale hopes to give a few feeding pointers as well as additional help in other lines in Poultry Husbandry. As the breeding season is close at hand, every person should have the hens selected which they want for breeding purposes. In case you haven't, here are a few points to judge your bens by:

1. Select the birds having a good length of rib, giving her the appearance of being deep from back to

point of breast. The back should be level.

2. Generally speaking the closefeathered birds are nearest egg-laying type. The loose-feathered bird is generally a poor layer.

3. The abdomen should not be over fat and sagging.

4. The head should be clean cut, medium size, not too long or crowheaded; not too short.

5. The bird should be wide across

the number of fingers which can be placed between the two bones spoken of. The greater the number of Do you ever have any trouble get- fingers which can be placed between

> 8. The handling qualities are important. Absence of hard fat and a or soft, pliable and elastic touch are

The average person looking after enough in a bottle to treat a bushel. hens may think no differences exist Moreover, the farmers can get as- in individual birds. To such the Desistance to put this Nitro Culture par ment request they catch a few with reading this. Investigate for

A DIFFERENT QUESTION

A canny Scot was being shown ested in all he saw, he plied his guide with all sorts of questions.

The mariners seemed particularly to interest him and, going up to one, marine's cap and asked what it was. The marine looked at him in sur-

"Don't you know what that is?" course."

"Ach, mon!" replied the Scot, impatiently, "I was no axin' aboot yer

THE FORMAL TOUCH

Mr. Harold Gibbs-Gibbs takes pleasure in announcing the death of Fifi

his wife's pet dog who made home a helf to him for many years. Callers will no longer be forced to admire little Tootsie's pretty parlor tricks.

Silver Black Foxes

A limited number of shares for sale in

Priceville Fox Co., Priceville. Ont.

at \$100. Par Value

All registered pure bred stock. Low capitalization. All comon 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.

New Voiles, per yard 75c. to \$1.25 Ginghams and Chambrays, 25c to 45c. Table Linen 65c. Glass Towelling 20c. Crash Towelling 20c. and 35c. per yard Curtain Scrim at 18c. and 20c. a yard Curtain Nett at from 40c to 70c. yard Gingham and Print House Dresses at from \$1.10 to \$1.75

C. L. GRANT

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Executors. M. A. Reid, Clerk.

(Contributed by Ontario Department of Agriculture, Toronto.)

Cultivate the field until about the