

Published on Wednesday by C. W. RUTLEDGE, Markdale, Ontario.

VOL. 40

MARKDALE, ONT., WEDNESDAY, JAN. 21, 1920.

Established in 1878

Subscription information: to subscribers in Canada, \$1.50 a year; in the United States \$2.00.

Professional cards of 1 inch or under, \$5 per annum, or \$3 for six months.

Reading Notices inserted in local column, 10c per line to transient advertisers and 8c. per line to contract advertisers.

Adverts. of Farms and Real Estate for sale, not exceeding 1 inch, are charged 50c first insertion and 25c each additional insertion.

Strayed, Lost, Found Notices, etc., not exceeding 1 inch, 60c for first insertion and 25c for each subsequent insertion.

Transient Adverts., such as Legal Notices, By-laws, etc., 10c per line for the first insertion and 5c. per line for each subsequent insertion.

Memorial poetry, one cent a word. Card of thanks, one cent a word, with minimum 25 cents.

Advertisements subject to the approval of the Publisher. Information covering Special Contracts will be supplied promptly upon application.

All correspondence intended for the Markdale Standard, Markdale.

BUSINESS DIRECTORY

R. J. SPROULE, Flesherton, Conveyancer, Appraiser, Valuator and Money Lender. Deeds, Mortgages, Leases and Wills drawn up and Valuations made on shortest notice. Charges very low. Apply to R. J. Sproule, Flesherton.

P. McCULLOUGH, Barrister, Solicitor, etc. Office: 100 Main Street, Markdale. Money to loan.

LUCAS, RANEY & HENRY, Barristers, Solicitors, etc. Offices: Lucas Block, N. Adelaide; Traders Bank Bldg., Toronto. I. B. Lucas, K.C., W. E. Raney, K.C., W. D. Henry, B.A.

DR. J. A. MACARTHUR, Dentist. Office in Arley Block (over Bowers' hardware store). Entrance at south-west corner of building, Toronto street.

L. G. CAMPDELL (L.D.S., D.D.S.), Dental Surgeon. Graduate of Ontario College of Dentistry and University of Toronto. Office over the post-office. Office hours 9 a.m. to 6 p.m. Appointments made by phone.

A. F. & A. M., Hiram Lodge, No. 490, G.R.C., Markdale, meets in Masonic Hall, McFarland Block, on Tuesday evening on or before the full moon every month. Visiting brethren cordially invited. H. C. Duff, W.M.; Sam Braddy, Secretary.

C. O. C. F., No. 399, Markdale Council, Canadian Order of the Eastern Star, No. 399, meets second Monday in the month in Sarjeant's Hall at 8 o'clock. A. Jackson, Chief; Councilor; Herb. M. Irwin, Recorder.

SAUGEON LODGE, No. 327, L.O.O.F., Meets first and third Wednesday in the month at 7:30 p.m. in their hall, Main street. Visiting brethren always welcome. Herb. M. Irwin, N.G.; Alex. McEachnie, Sec.

MARKDALE L.O.L., No. 1043, Meets in Sarjeant's block on Thursday evening on or before full moon in each month. Visiting brethren made welcome. Earl Davis, W.M.; John McFadden, Secretary.

MISCELLANEOUS, J. W. PATTON, J.P., Rocklyn, Ont. Issuer of Marriages Licenses. Business strictly confidential.

Wood's Phosphoric, The Great English Remedy. Tones and invigorates the whole system. Cures nervous debility, mental and brain worry, depression, loss of energy, palpitation of the heart, falling memory. Price \$1 per box, six for \$5. One will please six with our special medicine Co., Toronto, Ont., Canada.

PATENTS PROMPTLY SECURED, In all countries. Ask for our INVENTORS' ADVISORY, which will be sent free. MARION & MARION.

AUCTIONEERS, B. H. WALDEN, Licensed Auctioneer for the County of Grey. All sales promptly attended to. Farm sales a specialty. Arrangements for sales may be made at Standard Office or B. H. Walden, Markdale.

F. A. BURNSIDE, Licensed Auctioneer for the County of Grey. All sales promptly attended to. Rates reasonable. Phone Chatsworth 42 R. 22, or write Holland Centre R. 32.

ALBERT CURTIS, Licensed Auctioneer County of Grey. All sales promptly attended to. Rates reasonable. Phone Chatsworth 42 R. 22, or write Holland Centre R. 32.

Cook's Cotton Root Compound, A safe, reliable regulating medicine. Sold in three degrees of strength. No. 1, \$1; No. 2, 50c; No. 3, 35c per box. Sold by all druggists, or sent by mail on receipt of price. Free pamphlet. Address: THE COOK MEDICINE CO., TORONTO, ONT. (Formerly Windsor).

New X-Ray Use, A new and interesting commercial use of the X-ray which defects in materials like steel and timber may be detected was discussed at a recent meeting of the Faraday and Röntgen Societies in London, according to "Commerce Reports," a government publication.

Schneider, at whose plant much work in radiometallography has been carried out, suggested that if a number of carbon steel and tungsten steel bars had been accidentally mixed up, they might be quickly sorted by means of X-rays. The radiographs obtained with carbon being blacker than tungsten steel, because the rays penetrate the latter less freely than the former, owing to the lighter atomic weight of the constituent tungsten. At present only a few inches can be penetrated, but further improvements have been made by the Coolidge X-ray tube, and further advances may be looked for not only in this portion of the apparatus, but also in the methods employed for detecting the rays after they have passed through the material under investigation.

When that gets down from the roof first in the morning, works hardest during the day and gets up on the roof last at night is likely to be the best hen. To produce a large number of eggs requires a large consumption of food. Large consumers must be constantly active.

In Ten Years 500 Dollars, Invested at 3% will amount to \$697.75. Invested at 4% interest compound, will amount to \$744.26. Invested in our 5 1/2% Deposits will amount to \$850.20. Write for Booklet.

The Great West Permanent Loan Company, Office 20 King St. West, Toronto.

WANTED, Poultry, New Laid Eggs, Dairy Butter, Beans, Boiling Pens, etc. Write for our Weekly Price List and advise what you have to offer. Special Prices for Fancy Quality. Gurney Langlois & Co., Ltd. (Dept. W.) Montreal, Que.

Up-to-date Methods Pay Mr. Farmer!, Get busy with that Maple Grove of yours on sensible lines! Cut out that old wasteful boiler and install our famous "GRAND 2750" boiler. This is "found money" for you and one hundred cents on the dollar to boot. We make it in 22 different sizes suitable for every sized grove. Write now for our Free Booklet. The Grimm Manufacturing Company 55 Wellington St. Montreal, Que.

Farm Crop Queries

CONDUCTED BY PROF. HENRY G. BELL, The object of this department is to place at the service of our farm readers the advice of an acknowledged authority on all subjects pertaining to soils and crops. Address all questions to Professor Henry G. Bell, in care of The Wilson Publishing Company, Limited, Toronto, and answers will appear in the next column in the order in which they are received. When writing kindly mention the name of the soil. As space is limited it is advisable to mention immediately a reply is necessary that a stamped and addressed envelope be enclosed with the question, when the answer will be mailed direct.

J. S. S.—1. If samples of soil are sent would your chemist be able to analyze it to show the kind of fertilizer needed? 2. Is lime good for clay soil that has been wet for a long time and has not been properly drained? 3. Would lime or acid phosphate be the most profitable to use? 4. Would you advise a mixture of acid phosphate and lime and when would you advise applying same, and how much would you sow to the acre?

Answer 1.—To the first part of your question I would answer yes, and to the second part no. Any reputable chemist can make an analysis of soil showing the nitrogen, phosphoric acid and potash in it. A simple analysis does not give a sufficient indication of the conditions of the soil to determine what fertilizer to use. It tells you only the total amount of plant-food in the soil, but does not tell anything as to the form of plant-food, whether it is available or unavailable, that is, whether the plant can use it or whether it cannot. Phosphoric acid and potash both exist in these two forms. Moreover, from an analysis standpoint you are studying only the state of the soil, and paying no attention to the characteristic food-needs of the crops, which is about as subject as it would be for a livestock farmer to study only the construction of his stable and pay no attention to his livestock's requirements. I herewith give the characteristic plant-food needs and general character of the typical soils:

FARM CROP REQUIREMENTS (AVAILABLE) PLANTFOOD. Table with columns for Nitrogen, Phosphoric Acid, Potash and rows for various crops like Potatoes, Carrots, Sugar Beets, etc.

PLANTFOOD SUPPLIES IN SOILS. Table with columns for Nitrogen, Phosphoric Acid, Potash and rows for different soil types like Sandy Soil, Loam, Limestone Soil, etc.

With these two sets of information you can intelligently choose what will give you most profitable results. The theory of fertilizer use being based on soil analysis has been exploded 50 years ago. 2. Lime is good for clay soil whether drained or undrained, since lime tends to sweeten sour soils and tends to gather together the crumbs of clay soil so that its texture is coarser after fall and early spring. As to acid phosphate if you have added a considerable amount of manure, it is good practice to add 300 to 400 lbs. of acid phosphate to the acre in preparing the soil for grain crops. This balances up the manure in its weak place and causes a more vigorous growth of the roots of the grain. This should be applied at the time that the seedbed is being prepared.

As he opened a full barrel of grain and slowly scooped up a basketful, he was startled to hear a queer little scratching, shuffling sound near by. "What's that?" he said to himself. Then he heard the sound again. A joyful thought flashed into his mind. "Coo chicky, coo chicky!" he called in loud tones.

Donald made a dash for a barrel in the corner and jerked off the top. With a flutter and a squawk Snowflake flew up into his face. She was weak from hunger, but she perched on his arm and pecked feebly at his buttons. "You poor little thing!" said Donald. He remembered, now, that he had left the top of the empty barrel the evening before. Snowflake must have come back into the barn and jumped in to get more corn; then some one came along and closed the barrel without noticing her. "You shall have an extra supper," he promised her. "Corn-meal dough with cool clabber to quench your thirst." And so she did.

How One Rural Teacher Prepared Healthful Lunches Her Pupils.

What teacher of a rural district has not looked upon the cold lunches her pupils must eat every noon with distaste and misgiving, and wondered if anything could ever be done to improve conditions? A young woman teaching in one of our rural schools more courageous and resourceful than the rest, has solved the problem as far as her school is concerned. As her methods are simple and easily imitated, they are hereby set forth for the benefit of any other rural "schoolma'am," or for trustees or patrons who have become impressed with the menace of malnutrition among school children.

Miss Marvin presides over a typical one-room country school, with four grades and an attendance varying from fifteen to twenty-one pupils, of whom five from one to two miles from the schoolhouse and many do not bring their lunches. As in many such schools, a number of these pupils come from large families, in which the mothers are burdened with the cares of their broods and with farm work, and have little time for preparing tempting or even appetizing lunches. A few thick slices of bread soaked in syrup formed the basis of the child's noon meal—before this teacher began her experiment. Usually the mothers are not well versed in matters of diet, so they did not realize the child's need of more nourishing food.

Miss Marvin had always nursed an ambition to try out her hot-lunch plan. So two years ago she was inspired to direct action by the haunting face of a frail, anemic little boy in her primer class, who had to walk two miles to school. For the sake of pathetic little figures like this one, she resolved to undertake the work. She did not, however, submit her plan to the parents for approval, realizing that it would meet with a dozen objections. In fact, she talked very little about it at all, until it was successfully launched, tactfully avoiding all friction. She simply "sawed wood."

Out of the proceeds of a school entertainment she bought a three-gallon aluminum kettle for \$2.25. Then she quietly asked the pupils each to bring a small quantity of vegetables to school. One child contributed two or three potatoes, another brought a few carrots, a third supplied an onion, and a fourth had a fine soup bone at home which was just the thing for soup stock.

These materials were cooked together on the big flat-topped stove that heated the schoolroom. Thus the school had its first hot stew. Each cold autumn or winter day they had a different dish—just one. Now it was macaroni stew, now rice soup, then barley soup, bean soup, hominy soup, or hot stewed corn or tomatoes, canned by the pupils themselves in connection with their autumn school work under the teacher's supervision; and occasionally, just for a change, Miss Marvin decided to have hot chocolate or chocolate pudding. On one occasion last winter one of the boys on his way to school caught a rabbit which the pupils skinned and cleaned, with the help of the teacher, and the next day the school had a savory rabbit stew.

The children were enthusiastic. They liked the feeling of this hot dish at noontime, and almost never forgot to bring their contributions. From the first, the parents were much interested and not at all inclined to adverse criticism. What farmer patron could object to parting with a few vegetables, a cup of rice, beans or hominy, or a package of macaroni occasionally?—One mother has been begged to help that she has several chickens kept, the school veal stock. Miss Marvin always keeps a record of what each child brings, so that no family will be called upon to give more than its share.

At first the children were asked to bring saucers and spoons. Later on the citizens of the district formed a community club, with the schoolhouse headquarters, and the organization equipped itself with dishes, which the teacher and her pupils are free to use. Each child is served at his own desk, which is protected by outspread newspapers or paper napkins. The service is performed in orderly fashion by Miss Marvin and a few of the older girls. Manners, you see, are not neglected. Along with this cup of soup or saucer of hot tomatoes the pupil has the "cold lunch" which he has brought. After the meal most of the pupils are sent out to play, while Miss Marvin and her appointed helpers clear the table. By the time the afternoon session is doing all signs of cooking and dish-washing have disappeared.

Miss Marvin has always found it expedient to do all the cooking herself. "In a one-room country school," she explained, "we have so little room that it would be impracticable to have the children help. They would only get in each other's way. Then we

SUFFERED DAY AND NIGHT

The Tortures of Dyspepsia Relieved By "Fruit-a-lives"

Lillian Bais D'on, C. B. "I was a terrible sufferer from Dyspepsia and Constipation for years. I had pain after eating, belching gas, constant headaches and did not sleep well at night. Finally, a friend told me to try 'Fruit-a-lives'! In a week, the Constipation was corrected and soon I was free of pain, headaches and that miserable feeling that accompanies Dyspepsia. I continued to take this splendid fruit medicine and now I am well, strong and vigorous!" ROBERT NEWTON. 50c. a box, 6 for \$2.50, trial size 25c. At all dealers or sent postpaid by Fruit-a-lives Limited, Ottawa.

Furs Worth Fortunes, The statement recently circulated about a woman who wore a sable skin coat worth at least \$10,500 is not so extraordinary as it seems, for good dark single sable skins will almost always fetch from \$100 to \$200, and a robe of red sable, such as Russian princesses used to wear, may easily cost \$5,000.

But the fables of the province of Kherson in Russia some years ago an ornament worth \$50,000. Silver fox skins are even dearer—at any rate, the price of a single skin in Paris was at one time \$12,500 and a famous explorer has recorded, how, in Eastern Greenland, he met a girl wearing a dress composed wholly of silver-fox skins. At Parisian prices this must have been worth quite \$75,000. There are said to be hundreds of skins or rare furs in existence worth \$1,000 each, and that "cloth of gold" made of pure gold thread into fine wire and then woven by hand is only now and then obtainable in Sumatra at \$200 a yard.

The edge of a recently printed shawl are used to cut out or buried wool.

Fertilizers

Increase Yields of OATS and Improve Quality. From fertilizing, the Ohio Station reports an increase of 19 bushels per acre, while Michigan reports improvement of 6.5 bushels feeding quality. Last year twenty-eight farmers actually measured their results from fertilizing oats. They report a yield from fertilized oats of 50 to 74 bushels per acre of First Grade Oats. Their average was 64 1/2 bushels per acre. Make Your Oat Yield Count While Prices Are High. Write for Bulletin, How to Increase Canadian Oat Yields.

Soil and Crop Improvement Bureau of the Canadian Fertilizer Association, 1111 Temple Bldg., Toronto, Ont.



IN ONE DAY, a sick horse will be able to recover after a long illness.

DR. A. C. DANIELS RENVATOR POWDERS

This is the most powerful and effective remedy for all ailments of the horse, such as colic, indigestion, and other troubles. It is a sure cure for all these ailments and is sold in all drug stores. Price 60c. THE ANIMAL MEDICAL BOOK FREE. DR. A. C. DANIELS COMPANY OF CANADA, LIMITED, KNOWLTON, QUEBEC.

FARMERS' CLUBS & INDEPENDENT DEALERS. We are Buyers of Ontario Grains and Sellers of Western Feeding Oats and Barley. GET OUR PRICES. L. C. SCOTT & Co. ROYAL BANK BUILDING TORONTO. Telephone 4693.