About.

Sunk.

The Markdale STANDARD

published on Weednesday by C. W. RUTLEDGE,

SUBSCRIPTION:—to subscribers in Canada, \$1.50 a year; in the United States \$2.00. Twenty-five cents added when not paid in advance. No paper discontinued until all arrears are paid, except at the option of the publisher.

Rates for Display Advertising will be furnished on application,

All Advertisements under 1 inch are charged as one inch.

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

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

Advts. of Farms and Real Estate for sale, not exceeding 1 inch, are charged 50c first insertion and 253 each additional insertion. Strayed, Lost, Found Notices, etc.,

not exceeding 1 inch, 50c for first insertion and 25c for each subsequent Transient Advts., such as Legal No-

tices. By-lays etc., 10c per line for the first insertion and 5c per line for each subsequent insertion.

Cook's Cotion Roof Compound. Memorial poetry, one cent a word Card o' thanks, one cent a word, with minimum 25 cents. Advits. without specified instructions will be inserted till forbid, and

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

application. All correspondence intended for the firm should be addressed to The Markdale 'Standard, Markdale.

LUSINESSDIRECTORY

R. J. SPROULE. Flesheerton. Conveyancer, Appral- plication of the X-rays is to the ex- food in the soil, but does not tell any- lowing reason; in making acid phos-Flesheerton. Conveyancer, Appraisable on of the X-rays is to the example of the form of plantfood, phate the manufacturer buys the raw whether it is available or unavailable; insoluble phosphate rock. He grinds that is, whether it is available or unavailable; insoluble phosphate rock. He grinds or whether it cannot. Phosphoric acid cient acid to change it from the insoluble form to a form in which 14

LEGAL:

P. McCULLOUGH Barrister. Solicitor, etc. Office-Mark street, Markdale. Money to

LUCAS, RANEY & HENRY Barristers, Solicitors, Offices-Lucas Block, Nackdale;

Traders Bank B. ... Toronto
1. B. Lucas, K.C., W. E. Raney,
K.C., W. D. Henry, B.A.

DENTISTRY:

DR. J. A. MacARTHUR

Office in Artley Block (over Bowes" hardware store). Entrance at south- tube, and further advances may be west corner of building. Toronto looked for not only in this portion of

> L. G. CAMPBELL (L.D.S., D.D.S.)

Bental Surgeon. Graduate of Ontario College of Dentistry and University of Toronto. Office over the post-office. Office hours 9 a.m. to 5 p.m. Appointments made by phone.

FRATERNAL.

A. F. & A. M. Hiram Lodge, No. 490, G.R.C., Markdele, meets in Masonic Hall, Mc-Fariand Block, on Tuesday evening on or before the full moon every month. Visiting brethren cordially invited H. C. Duff, W.M.; Bam Brady, Secra-

C. O. C. F., No. 399. Marislald Council, Canadian Order If deplited at 3% will amount to \$697.75 Chosen Friends, No. 399, meets sec- If invited at 4%, interest comand Monday in the month in Sarjeant's |. Halledt 8 o'clock. A Jackson, Chief Councillor; Herb. M. Irwin, Recorder.

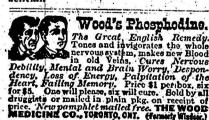
SAUGEEN LODGE, No. 327,

I.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 McEadmie, Sec.

MARKDALE, L.O.L., No. 1043. bleets in Sarjoant'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 Marriago Business strictly confl-





MARKDALE STANDARD

VOL. 40

ed to.

Gray County.

AUCTIONEERS.

B. H. WALDEN.

rangements for sales may be made at

Standard Office or . B. H. Walden,

F. A. BURNSIDE

Liave taken out an auctioneer's

licated and am prepared to meet the

demands of the public in this capa-

city Farm sales a specialty.-F. A.

Burnside. Licensed Auctioneer for

ALBERT CURTIS

Licensed Auctioneer County of Grey

All vales promptly catered to. Rates

resenable. . Phone Chatsworth 42

A safe, reliable regulating

Free pamphlet. Address': THE COOK MEDICINE CO.

R 22, or write Holland Centre R 3

New X-Ray Use.

materials like steel, and timber may

ew and interesting commercial

the X-ray whereby defects in

Schneider, at whose plant much

WOLK

carri

n radiometallography has been

out, suggested that if a num-

ad been accidentally mixed up

lays, the radiographs obtained

ber col carbon steel and tungsten steel

they might be quickly sorted by means

with arbon being blacker than with tungsten steel, because the rays pene-

trate the latter less freely than the

fortand, owing to the lighter atomic

weight of the constituent tungsten.
At present only a few inches can be

pener ated, but great improvements

have geen made by the Coolidge X-ray

the apparatus, but also in the methods

employed for detecting the rays after

they gass through the material under

The hen that gets down from the

roast first in the morning, works

harden, during the day and gets up

on the roost last at night is likely to

be the best hen. To produce a large

numbar of eggs requires a large con-

sump of food. Large consumers

In Ten Years

500 Dollars

. Pour ded quarterly, will

But

Del Intures will emount to .. \$850.20

Write for Booklet.

WANTED

Poultry, New Laid Eggs

Dairy Butter, Beans,

Bolling Peas, etc.

Special Prices for Fancy Quality

Gund, Langlois, & Co., Ltd.

Montreal, Que.

Cut out that old wasteful boiling pot and install our famous "CHAM-FIOH" EVAPORATOR, built for roturns. This is "found

We make it in 22 different sizes suitable for every sized grove.

Up-to-date Methods Pay

Mr. Farmer!

for our Weekly Price List dvise what you have to offer.

Great West Permanent

Loan Company.
Office 20 King St. West

must be constantly active.

investigation."

Auctioneer for the County

Farm sales a specialty. Ar

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

The object of this department is to place at the ser-

vice 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, Toron-

to, and answers will appear in this column in the order.

to, and answers will appear in this column in the order in which they are received. When writing kindly mention this paper. As space is limited it is advisable where immediate reply is necessary that a stamped and addressed envelope be enclosed with the question, when the answer will be mailed direct.

not been properly drained?

the most profitable to use?

his livestock rations.

Potatoes, Man-gels, Carrots,

Sugar Beets

Fodder Crops

Barley. Fair Supply... Corn (Husking) Small Supply.

foods, nitrogen, phosphoric acid and potash.

J. S. S. 1. If samples of soil are, being limed than before. However, you

analyze it to show the kind of fertil- ed soil. Lime will not take the place

has been wet for a long time and has are profitable to use. Ohio Experi-

4. Would you advise a mixture of the soil is fortilized a considerable in

acid phosphate and lime and when crease can be made. 8 to 12 bushes would you advise applying same, and per acre, but if the fertilized soil is

how much would you sow to the acre? limed in addition to being fertilized

Answer 1.—To the first part of your an additional increase of 4 to 5 bushes

question I would answer yes, and to per acre can be made. Remember the second part no. Any reputable lime does not take the place of acid

chemist can make an analysis of soil phosphate, nor does acid phosphate

mine what fertilier to use. It tells 4. I would never advise a mixture

FARM CROP REQUIREMENTS

Good Supply.... Medium

Soil types differ in their characteristic supplies of the essential plant

PLANTFOOD SUPPLIES IN SOILS

Sandy Soil. Low Low Low Low Low Loam Fair Medium to Low Fair Limestone Soil. Medium to Low Fair Fair—Frequently Fair—Frequently unavailable unavailable Vary Shore?

With these two sets of information fall and early spring. As to acid

coul can intelligently choose what will phosphate if you have added a consid-

give you most profitable results. The erable amount of manure, it is good

theory of fertilizer use being based practice to add 300 to 400 lbs. of acid

on soil analysis has been exploded 50 phosphate to the acres in preparing

2. Lime is good for clay soil whether up the manure in its weak place and

drained or undrained, since lime tends causes a more vigorous growth of the

to sweeten sour soils and tends to roots of the grain. This should be

gather together the crumbs of clay applied at the time that the seedbed soil so that its texture is coarser after is being prepared.

Marck and Peaty Soil, High Low Very Short?

Wheat, Oats, Rye, Fair Supply... Abundance Small Supply

(AVAILABLE) PLANTFOOOD

Phosphoric

Small Supply... Abundance Small Supply

Fair Supply ... Abundance ... Small Supply.

Good Supply.... Medium Small Supply

PLANTFOOD

Abundance Small Supply

of drainage.

Farm Crop
Queries

A young woman teaching in one house early, and put on the soup of our rural schools more courageous to cook and prepare the vegetion and resourceful than the rest, has to be added, later in the morning solved the problem as far as her own soup cooks during school hours school is concerned. As her methods is very little trouble. A small are simple and easily imitated, they stove with one or two burners i are hereby set forth for the benefit best to use, because the large t of any other rural "schoolma'am," or gets too hot for the comfort of for trustees or patrons who have bet pupils when we fire up enough

Out of the proceeds of a school est of the pupils in their school entertainment she bought a three-gal-i -because of their improved ph on aluminum kettle for \$2 25. Then condition -- and greater interest plantfood needs and general character in the fall so that it can be worked bring a small quantity of vegetables dren's diet. The cold lunches into the soil, sweetening it during the to school. One child contributed two the youngsters now bring the r three potatoes, another brought have distinctly improved, both few carrots, a third supplied an quality and variety, showing

> connection with their autumn school and spirits. work under the teacher's supervision; She has also given out score and occasionally, just for a change, for keeping account of a chi Miss Marvin decided to have hot weight. And more than one phocolate or chocolate pudding. On ster has acquired the habit of w one occasion last winter one of the ing himself to see if he gaining boys on his way to school caught a precious pounds which he ne

and the next day the school had s savory rabbit stew. The children were enthusiastic. They liked the feeling of this hot dish

nuch interested and not at all inclin- affect, the color of ed to adverse criticism. What farmer water. patron could object to parting with a Thunderstorms are nicke ew vegetables, a cup of rice, beans in Java than anywhere ease or hominy, or a package of macaroni globe. occasionally? -One mother has been Onet California town has live soceager to help that she has several its fire brigade captility with the school year stock. Miss plane. Marvin always keeps a record of what More varieties of lish and found each child brings, so that no family the Nile than in any other rived will be called upon to give more than world. A man's hair turns gree

At first the children were asked earlier than a woman's, ti to bring saucers and spoons. Later estimated. on the citizens of the district formed A lemon will yidd nearly community club, with the schoolhouse headquarters, and the organizal squeezing. ion equipped itself with dishes, On a first-class liver about which the teacher and her pupils are pleces of glass and crockers the

ree to use. (Each child is served at his own desk, which is protected by outspread newspapers or paper napkins. The service performed in orderly fashion by Miss Marvin and a few of the older With a flutter and a squawk Snow girls. Manners, you see, are not neglected. Along with his cup of soup or supcer 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!

> Miss Marvin has always found it expedient to do all the cooking her-

How One Rural Teacher Prepared Healthful Lunches Her Pupils.

What teacher of a rural district have so little time for extras it as not looked upon the cold lunches be hard to crowd it into school i r pupils must eat every noon with and the parents might think the staste and misgiving, and wondered dren were neglecting their studies if anything could ever be done to improve conditions? "On the days when I plan to

come impressed with the menace of keep the pot boiling. It would malnutation among school children. casy for any teacher to buy its Miss Marvin presides over a typi-stove with the proceeds of a second

cal one-room country school, with entertainment. My patrons are sent would your chemist be able to cannot get good results from undrain- four grades and an attendance vary- talking about getting mercape. ing from fifteen to twenty-one pupils. "The ktchen equipment is all of whom live from one to two and requires little room. We 2. Is lime good for clay soil that 3. Both lime and and phosphate miles from the schoolhouse and must large cupboard for the linch bring their lunches. As in many one shelf of which is devoted to not been properly drained?

3. Would lime or acide phosphate be ing 20 years shows that by liming a pils come from large families, in salt, sugar, and the like. In the most profitable to use? between 4 and 5 bushels per acre. If the cares of their broods and with canned goods in a farmer's cellar farm work, and have little time for the schoolhouse, so they will preparing tempting or even appetiz- freeze." ng lunches. A few thick slices of The cost of the for noonday of pread sonked in syrup formed the con need not frighten any teach pasis of the child's noon meal-be- school board. Miss Marvin has al fore this teacher began her experi- avoided asking directly for ment. Usually the mothers are not contributions from the parents, well versed in matters of diet, so they cost must be reckoned solely upon lo not realize the child's need of more donated 'material, most comes straight from the farm,

be disclosed was discussed at a re showing the nitrogen, phosphoric acid take the place of lime. Lime sweetens cent theeting of the Faraday and Ront and potash in it. A simple analysis the soil, acid phosphate invigorates ges poleties in London, according to does not give a sufficient indication the root growth of farm crops and "Corp nerce Reports," a government of the conditions, of the soil to deter- hastens their maturity. nourishing food. Miss Marvin had always nursed an the expense of the middleman e at Is claimed that one obvious ap- you only the total amount of plant- of acid phosphate and lime for the formbition to try out her hot-lunch ated. She estimates that the plan. So two years ago she was in- table soup may be prepared spired to direct action by the haunt- average ranging from two ng face of a frail, anaemic little boy cents for each child. To fill the in her primer class, who had to walk gallon kettle full of bean two miles to school. For the sake of uses about two pounds of strength of the finished article. If and potash both exist in these two soluble form to a form in which 14 pathetic little figures like this one, large potato, and half a pound the destings are not too large each of forms. Moreover, from an analysis per cent to 16 per cent of it will displan to the parents for approval, ials. In other words, from the parents for approval, ials. the resolved to undertake the work, pork, all of which means an or by the rays and blow holes oc state of the soil, and paying no at- to acid phosphate you are undoing tention to the characteristic food- exactly what the manufacturer has ozen objections. In fact, she talked winter day may have a needs of the crops, which is about as done. That is, the lime causes the effective a means of approaching the soluble acid phosphate to turn back very little about it at all, until it was lunch of bean soup for three successfully launched, tactfully avoid- cents apiece. subject as it would be for a livestock to the insoluble form. I would advise ing all friction. She simply "sawed! Other results of Miss Marvin's

farmer to study only the construction using upwards of a ton to the acre of of his stable and pay no attention to ground limestone once in 3 or 4 years, applying it any time of the season the I herewith give the characteristic crops are not growing, preferably pnion, and a fourth had a fine soup fort on the part of the mothe

bone at home which was just the provide daintier sandwiches, thing formsoup stock. fresh fruit, sauces and raising These materials were cooked to- and the like. gether on the big flat-topped stove Better yet, the district has at heated the schoolroom. Thus the a fertile field for the propagate chool had its first hot stew. Each juvenile good health. Miss Miss old autumn or winter day they had has awakened much intelligent. different dish-just one. Now it est by distributing various pampy vas macaroni stew, now rice soup, on nutrition. These contain suggest then barley soup, bean soup, hominy tions for the school lunch, and oup, or hot stewed corn or tomatoes, just what sort of food a child stip canned by the pupils themselves in have to keep him in the best of her

rabbit which the pupils skinned and keep up a high standard of heal cleaned, with the aid of the teacher

at noontime, and almost never forgot of a large portion of a whole to bring their contributions. water.

From the first, the parents were ts share.

get in each other's way. Then we

The Tortures of Dyspepsia Established in 1875

Relieved By "Fruit-a-tives" TITLE BEAS D'on, C. B. "I was a torrible sufferer from Dyspepsia and Constipation for years. I had pain after cating, belching gas, constant headaches and did not sleep well at night. Pinally, a friend told me to try" Fruit-a-tives". 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.

SUFFERED DAY

50c. a box, 6 for \$2.50, trial size 25c. At all dealers or sent postpaid by Fruit-a-tives Limited, Ottawa.

Furs Worth Fortunes.

The Mutement recently circulated about a woman who wore a sable iso ket 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 real sable, such as Russian princes used to wear, hear easily cost

. But the nobles of the province of press of Russia some years ago an ermine muntle which was valued at \$50,-000. Silver fox skins are even dearer at any late. the price of a single skin hitPants was at one time \$1,250 and a famous explored 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 \$7%. There are said to be handkerchiefs or rare lace in existence worth \$1,900 each, and real "cloth of gold, made of pure gold drawn into fine wire and then woven by hand is only nowadays obtainable in Sumatra at \$200 is yard.

Shevel or Ane. The edge of a recomby pared of shovel are reinfered and sharpened be used 'to cut raot. buried weog

Fertilizers

From fertilizing, the Chio Qua tion reports an increase of 19 bushels her acre. Aline of reports improvement of 6.5% is

Last year twenty-eight farrige actually neasured their realts from fertilizing dats. They report yields from fertilized of 50 to 70 bushels per acre of First Grade Oats. Their average was 641/2 bushels per acre

Make Your Oct Yields Com . While Prices Are High. Write for Bulletin, flow to Increase Canadian Yield

Soil and Crop Improvement Bures Of the Canddan Fertilizer Ass.



This is the most off and blood thatflet and Cleamer for the least of the
sheep and swins. The standard bear
indic stylen, heaves, attacked bear
screamed beels, etc. No make when
has local treating your and a warnet
success, try Dr A Cylinder the wards
to be a continue of the standard stylen
vathr Towders, which will easily always sheeped when all other term fles
full Add these powders to the feed
and it bakes the fliest stock for a on
earth. It will show its effect on the
klaneys in one lay and in two days a
big improvement in the authorise condition will be noticeable. Many times
it will udd 25 to 56 nounds to all
animal's weight inside one more in.

PRICE 60c.

BIG ANIMAL MEDICAL BOOK TREE DR. A. C. DANIELS COMPANY OF CANADA; LIMITED KNOWLTON - QUEBEC

FARMERS' CLUBS & IMPEPENDENT DEALERS

years' experiment are greater

Bits of Information.

Dew is only found on vessele

Lusitania was originally the

One grain of indigo is kunike

much juice if warmed slight

Music as a curative power

ployed by the Romans in coses of gold

A dog attains its full growle ut

age of two, is old at ten, and sold

Buckingham Palace servents he

revived their football club, his Mader

ken on each voyage.

lives more than 20 years.

providing the necessary kit

and sciation.

thirty miles of land.

We are Buyers of Ontario Grains and Sellers of Western Feeding Oats and Barley.

GET OWN PRICES L.C.SCOTTE CO. ROYAL WAIK BUILDING

TORONTO

A. Slip in Arithmetic. year Old Father Time lost called in loud tones.

and had nineteens a-plenty; (Nineteen nineteen's a foolish way To count, as any one would say.) now he has it straight again,

For hear him: Ninetcen twenty! Snowflake.

anywhere!" cried Donald. "She didn't come up to roost last night." He had raised Snowflake himself ald and tamed her. She always flew to

voice.

Noon came, and still no Snowflake. barrel without noticing her.

That "You shall have an extra with a sigh and went out to the barn. thirst."

As he opened a full barrel of grain and slowly scooped up a basketful, ho 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 h "Coo chicky, coo chicky!"

the soil for grain crops. This balances

The sound stopped suddenly. Then all at once a shrill little voice broke the silence. "Cut-Cut-cut-a-cut!" cried. "Cut-a-cut!"

Donald made a dash for a barrel in the corner and jerked off the top flake flew up into his face. She was weak from hunger, but she perched Snowflakes gone; I can't find her on his arm and pecked feebly at his

buttons. "You poor little thing!" said Don-

He remembered, now, that he had his shoulder when he opened the corn left the top off the empty barrel the afternoon session is due all signs barrel; if he were too long about it, evening before. Snowflake must of cooking and dish-washing have she would peck at the buttons on his have gone back into the barn and disappeared. blouse and scold him in a funny little jumped in to get more corn; then some one came along and closed the

Donald was very unhappy. That "Fou shall have an extra supper," she explained, "we have so little room evening he dreaded to feed the chick- he promised her. "Corn-meal dough that it would be impracticable to have ens; but he picked up the feed basket with cool clabber, to quench you the children help. They would only

Write now for our Free Booklet. The Grimm Manufacturing Company 58 Wellington St., Montreal, Que.

MARION & MARION.