

CASTORIA
For Infants and Children

Mothers Know That
Genuine Castoria

Always Bears the
Signature
of
Dr. J. C. Watson

In Use
For Over
Thirty Years
CASTORIA

Exact Copy of Wrapper.

Of Interest to Farmers

VALUE OF LIMESTONE ON EASTERN SOILS

Few crops thrive well on acid soils. Especially is this true of clover, which is one of the most important crops considered, both from the standpoint of food value and a soil improver of soil fertility. Hence, if we expect to increase the yield and at the same time improve fertility, we must first study our soils and be reasonably sure that they have been treated in such a manner as will facilitate a maximum growth. Examinations show that the soil of many comparatively large areas in Eastern Canada is acid.

To determine the most economical and effective method for the correction of this soil acidity an experiment was started at the Experimental Farm, Nappan, N. S., using ground limestone at different rates per acre. This soil has been tested and found to be distinctly acid.

The field used for this test was cleared during the fall of 1915 and spring of 1916. The land was ploughed and given an even dressing of barnyard manure at the rate of twelve tons per acre. In the spring of 1917 the thirteen acre field was divided into acre lots.

The first five plots received an application of ground limestone ranging from one to five tons per acre, respectively. Plot six was left as a check, while plots seven to eleven inclusive were duplicates of one and five, and plots twelve and thirteen were checks.

All plots were sown to grain the spring of 1917 and seeded down with the ten pounds of red clover, ten pounds of timothy and two pounds of alsike. In 1918 it was in clover and in 1919 timothy.

Calculating the returns from the average of two plots, over a period of three years, charging the ground limestone at \$4.80 per ton, grain, straw and hay at 75 cents per bushel, \$6.00 and \$12.00 per ton respectively, the following results were obtained.

Where one ton was used the loss over the cost of limestone was 38c per acre. Two tons gave a profit of \$3.56 per acre. Three tons gave a profit of \$2.71 per acre, four a loss of \$2.86 per acre and five gave a profit of \$1.69 per acre.

The returns from the first three acre lots are about as one would expect to see, but numbers four and five are just the reverse. This can be accounted for by plots eleven and twelve being more fertile than any other plots in the field, consequently, the yields were heavier.

The first six acre plots were very uniform in fertility throughout, and in comparing results obtained from these plots each year for three consecutive years, the beneficial effect of the ground limestone was most marked, especially between the limed and unlimed plots.

Very little difference in yield was noted between the plots where three, four and five tons of lime had been applied. One of the most outstanding differences between the limed and unlimed plots was two-thirds clover and the balance good timothy, while on the latter there was not much more than one-half of it good timothy. The balance brown-top and no clover. The average yield for two years on the hay and on the unlimed area 3180 and 4602 pounds of hay and on the unlimed area 3180 and 1422 pounds per acre in favor of the limed area.

Similar results were obtained from the grain and straw, for example on the limed area the average yield for the five plots was 19 bushels grain, 2336 pounds of straw, on the unlimed area it was 16 bushels of grain and 1806 pounds of straw, a difference of 34 bushels of grain and 530 pounds of straw in favour of the limed area.

There is satisfactory evidence from these results that from two to two and one-half tons of ground limestone could be advantageously used on soils showing marked acidity and that the stronger the acidity shown by a soil the greater the need of liming.

A. A. BAIRD, Supt.
Experimental Farm
Nappan, N. S.

Long measure (distance)
12 inches 1 foot, 3 feet 1 yard, 6 feet 1 fathom, 5 1-2 yards 1 rod, 40 rods 1 furlong, 8 furlongs or 1,760 yards 1 mile

Square measure
144 square inches 1 square foot, 9 square feet 1 square yard, 30 1-4 square yards 1 square rod, 40 square rods 1 rood, 4 roods 1 acre.

Surveyor's measure
7.92 inches 1 link, 25 links 1 rod, 4 rods 1 chain, 10 chains or 160 square rods 1 acre, 640 acres 1 square mile.

FEEDS THAT MAKE STRONG BONED HOGS

If you want strong-boned hogs, that will carry their flesh well, give them the feeds to make bone. A good bone development is a great asset to growing hogs; the lack of it is seen in the big stock yards where hogs with a light or weak bone are crushed or mangled, legs broken or ribs caved in through shipping and handling.

Mineral matter in the feed, or available, will produce good bone growth if of the proper kind. Most of the mineral feed eaten by hogs is utilized in the bones, cartilages or skeleton. The grain we commonly feed hogs contains such a small proportion of the needed mineral elements that additional mineral feed must be supplied by some means in order to properly nourish the bones.

Oftentimes with such conditions as that the hog picks up the mineral itself. Hogs have access to lots where ashes and limestone are dumped may supply themselves in liberal quantities of the calciums. Hogs running in the woods or woods on pastures where hogs are commonly grown, supply their bodies with mineral nutrients. You will never find weakened hogs where they have access to pastures. But if hogs are confined it is very essential that their bodies be supplied with mineral; feeds especially is this true of hogs kept for breeding purposes.

Wood ashes and cinders are eaten by hogs to satisfy a craving for mineral food. I have seen them crunch the fresh cinders as if they were corn. Charcoals are beneficial to the digestive system. Bone flour is valuable to furnish phosphorus and lime, also. Growing pigs require salt in their ration. It is an aid to digestion.

A good mixture which can be fed to pigs confined in small lots or that may be given to pigs on a range, is made up of the following ingredients: One hundred pounds of wood ashes, 30 pounds of salt, 40 pounds of slaked lime, four pounds of coppers, 30 pounds of charcoal; mix well and feed three or four times a week. J. C. B.

RECEIPTS

Cubic measure
1728 cubic inches cubic foot, 27 cubic feet 1 cubic yard, 128 cubic feet 1 cord (wood), 40 cubic feet 1 ton (shipping), 2160.42 cubic inches 1 standard bushel, 268.8 cubic inch 1 standard gallon, cubic foot 4-5 of a bushel.

Dairy Varden Cakes
Three eggs, one and one-half cups white or light-brown sugar, three-quarters cups butter, one cup sweet milk, three cups flour, one teaspoon cream of tartar, one-half teaspoon soda; one half teaspoon essence of lemon.

Use one half mixture as light cake, bake in jelly tins, and for dark layer add to the other half one cup stoned raisins, one-half cup currants, one dessert spoonful molasses, one teaspoon mixed spices. Alternate layers, light first then dark, when baked, with icing or preserves between layers.

Butterscotch Pie
One cup of brown sugar or one and one-half cups white and one-half cup brown, one cup of milk, vanilla, three tablespoons flour, 8 tablespoons butter, two egg yolks, well beaten.

Mix flour and sugar, add egg yolks, well beaten, and milk. Add butter and cook in double boiler until thick. Add flavoring. Put in a very moderate oven and brown slightly. Serves six

Perfection Soup.
Four tablespoons of Chili sauce; cover with enough water to keep from burning; bring to boiling point. Then put in as much soda as can be put on the point of a pen-knife. As soon as it foams pour over one quart of milk and season with butter and salt. Serve as soon as it boils.

Pineapple Lemonade.
Boll together for ten minutes one-third cupful of lemon juice and one cup of sugar with two cupfuls of water. Add one grated pineapple. Let it cool. Strain and dilute to use.

WEIGHTS AND MEASURES
Tables of Apothecaries' weight

20 grains make 1 scruple, 3 scruples make 1 dram, 8 drams make 1 ounce, 12 ounces make 1 pound.

Apothecaries' fluid measure
8 fluid drachms 1 fluid ounce, 20 fluid ounces 1 pint, 4 pints 1 gallon.

Dry measure
2 pints make 1 quart, 8 quarts make 1 peck, 4 pecks make 1 chaldron.

HAVE YOU RHEUMATISM?

IF SO, TAKE VITAL TABLETS

Rheumatism is one of the most distressing ailments. We guarantee Vital Tablets will purify the blood. They attack uric acid, and you will be benefited by taking Vital Tablets, the great French tonic. They are a wonderful tonic. They build up the entire structure. No more tired feelings. In fact Vital Tablets will put you on your feet. Just go to your druggist and get a box. Price 50c or by mail. The Scobell Drug Co., Montreal.

Sold in Charlottetown at Foster's Drugstore.

MOTHER!

"California Syrup of Figs"
Child's Best Laxative



Accept "California" Syrup of Figs only—look for the name California on the package, then you are sure your child is having the best and most harmless physic for the stomach, liver and bowels. Children love its fruity taste. Full directions on each bottle. You must say "California."

Sunday School Lessons

September 12, 1920.
(1 Kings 10:1-13.)

Araba with its spices and precious stones had much which the Hebrews were eager to secure, and the other hand the Israelites had for barter the grain and wool which their neighbors in Arabia needed. Without doubt the visit of the Queen of Sheba to Solomon was to establish a friendly system of trading between the two nations. The first of the words of Solomon concerning the Queen of Sheba is this, that she had heard in Sheba concerning the name of the Lord. Well, it must have all come about somewhat in this way, some of these merchants who went to Solomon in gold and silver and ivory, and apes, and peacocks, and almug-trees, and what not, must have had one of their ships driven in want of fresh water near the summer palace of the Queen of Sheba. And as the seamen of Israel filled their water-pots it was an ordinance that they should sing, saying, "Spring up O well; in the Name of the Lord, spring up!" When who should pass by but the Queen of Sheba herself with her maidens with her "sing, sing, in the words of the Lord," she said to Solomon's sailors. At which they sang a psalm that a prophet who was in their ship had taught them to sing on the occasion of a great tempest they had just passed through. "These See," they sang, "are the words of the Lord, and his wonders in the deep. For he commanded, and raieth the stormy winds, which lifteth up the wave thereof. They mount up to heaven, they go down again to their depths; their soul is melted because of their heat. The voice of the Lord is heard, and he bringeth them out of their distress. Oh that men would praise the Lord for his goodness, and for his wonderful works to the children of men!" and then at the name of the Lord and without being told to do it, all the seamen standing on the shore lifted up their hands to heaven and proclaimed the Name of the Lord, and worshipped, saying, "The Lord, the Lord God merciful and gracious." And ever after that day the Queen of Sheba watched at her window for the ship of Solomon, till, above all else, the Name of the Lord took all of her heart. The Queen of Sheba had many and good people of her own. She and her people had their gods of the sea, and their gods of the land; their gods of war and their gods of wine; their gods of thieft and their god of day, and many more. But there was no name of any god given in Sheba that took such a hold of the Queen of Sheba's heart as did the Name of the God of Israel. So she took a very great train, with camels that bare spices, and very much gold, and precious stones, and went to Jerusalem—Condensed from Bible character, by Dr. Alexander Whyte.

I was a long journey, and it meant fatigue, hardship, perils. Probably her friend told her that no one could possibly be as wise as Solomon was said to be and urged her not to go. But she was an earnest seeker after truth, and she refused to be dissuaded. She believed Solomon was the man who could tell her what she wanted to know, and she started off to see him. The journey over, she found herself face to face with the wise king. Then she showed herself an honest inquirer. She did not mind telling Solomon that she had doubted the report of his wisdom. And she did not mind telling him all that was in her heart, the thoughts, questions, problems that had troubled her. It is said of the disciples of Jesus that at one time they "were afraid to ask him." There were questions which they did not have the courage to put to him. But the Queen of Sheba was not to timid to ask about what she wanted to know. Perhaps she asked Solomon the question that she asked and he told her how God had led his people. Perhaps she wondered at his wisdom, and he told her that that night at Gibeon when God had offered him whatsoever he might ask, and he had asked for wisdom that would fit him to rule his great people. The period of Solomon's reign was the period of the greatest commercial, political and intellectual splendor that Israel knew, in that reign the nation reached its highest point in material wealth and national influence.

Avoidpois weight
60minims (drops) 1 fluid drachm
16drams make 1 ounce, 16ounces make 1 pound, 25pounds make 1 quarter, 4quarters make one hundredweight, 2,000pounds make 1 ton.

THE VALUE OF ADVERTISING OF AND FOR LIVE STOCK

To the well known, established, breeders of live stock any advice on the value of advertising is superfluous; for in the large majority of cases it has been by proper advertising of high class goods that they have built up their business. The purpose of this article is to call the attention of the smaller breeders, the beginners in the business, to the possibilities in advertising any live stock which they have for sale. For example every year at the Central Experimental Farm, Ottawa, there is a deluge of enquiries as to the possibility of purchasing young animals of the various classes of live stock. Needless to say the Farm is unable to fill all wants for obvious reasons such as being sold out of the sex wanted; and not keeping representatives of the breed wanted. In an endeavour to assist our correspondents to locate the animals they wished to purchase it has often been found and sometimes too late that breeders right in their own vicinity had animals of the class of stock wanted for sale, but as they had not been advertised for sale nor had the intending purchaser advertised chance to do business which would his wants, both parties missed a have benefited both.

From the above it would seem that a more extended scheme of advertising on the part of breeders who are either in need of or wish to dispose of stock would be profitable for all parties concerned. This advertising need not be very expensive. A small notice in the proper column of the local paper or in one of the farm papers which is popular in the district would serve the desired purpose quite adequately. If the number and quality of the animals warrant it, a larger advertisement with an illustration would be in order.

Advertising is of course of particular value in disposing of breeding stock or animals not in fit condition for sale on the regular market. The writer has in mind one particular class of stock namely, aged pure bred dairy bulls of good quality and known to be breeding stock. Many of these find their way to the butchers every year when it would be much to the advantage of the breed as well as to the farmers disposing of them and lucky enough to get them, if they were kept for further years of service. A little timely advertising would in many cases accomplish this end. Lastly advertising must be more or less reasonable. The greatest demand for dairy cattle and swine breeding stock is usually in the

IMPERIAL HARNESSES

IMPERIAL BRAND HARNESSES is guaranteed free from all defects in workmanship and materials. You are certain of satisfaction when you buy a set of harness made by Trees & Company.

No. 640, Team Harness, is especially designed for farm work such as ploughing, seeding and general hauling. Exceptionally good value at a very low price. Blind Bridles with side check; lines one inch; high top harness; traces, steel chain, leather covered; made with hook and tongue, backstrap with trace adjuster riveted on top. White metal or japanned mounts, less collars. \$57.00 Price

Sold by the Harness Trade throughout the Dominion. If your dealer will not get Imperial Harness for you, write direct to us for Catalogue and prices.

SAMUEL TREES & CO., LIMITED, Established 1864.
Manufacturers of Harness and Dealers in Automobile Accessories.
42 WELLINGTON ST. EAST, TORONTO



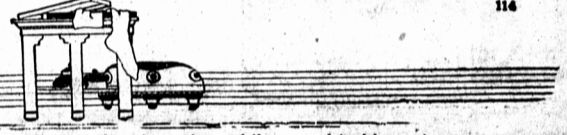
BEAUTY and durability, those are the combined points achieved in Mercury Fashioned Hosiery. Every Mercury Hose is form fitting, not stretched into shape. Designed with narrowed ankle, shapely full-fashioned calf, extra wide roomy top and without seams to mar comfort or appearance.

Materials and shades in the latest fashions—for all wear.

If your dealer does not handle Mercury lines, he will order for you.

MERCURY MILLS, LIMITED,
Hamilton, Canada

Mercury Hosiery



Late winter and early spring, while sheep are more in demand in late summer and fall. Plan the advertising to meet the seasonal requirements and it can then be done most economically.

Too many farmers get the pack- icky feeling the moment stock prices drop a cent or two. Rushing stock to market at such a time only tends to demoralize the market.

GEORGE W. MUIR,
Animal Husbandman

The Complete Ingredients for a Wholesome Meal are found in Every Grain of Wheat

Eat More Bread
Baked From
PURITY FLOUR

"More Bread and Better Bread and Better Pastry"

Western Canada Flour Mills Company, Limited
TORONTO—Head Office
Branches at Winnipeg, Brandon, Calgary, Edmonton, Montreal, Ottawa, St. John, Godalby

HERE'S HEALTH FOR ALL! PHOSPHONOL

Don't waste your time trying to cure a chronic ailment by inferior drugs. Such complaints as lack of vigour, rheumatism, lumbago, neuralgia, sciatica, and stomach trouble, are due to weakened condition of the nerves. Weak nerves lead to all sorts of functional disorders. Without a plentiful supply of Nerve Force the power of every organ to perform its function is diminished or impaired. Lacking Nerve Force, all the functions being imperfectly performed, there begins a state of anarchy in the body, even the brain becomes affected, resulting in insomnia, Brain Fag, and other Mental and Nerve Troubles. Scientists have proclaimed Phosphonol to be the quickest and surest Remedy to stiffen the nerves, and to produce Grey Matter. Phosphonol will restore Strength, Vigour, and Ambition. It goes at once to the weakened spot, and fortifies the organ, and restores it to Health. Your body needs new strength and Vitality, and that you must have to perform your duty in the world.

Phosphonol will restore Strength and Vitality and every weak and sluggish organ of your body. The blood courses through your veins with renewed Vigour. The Glow of health returns to your face, and you will feel the thrill of new life that comes with increased vitality and nerve power.

Take opportunity by the forelock, get a box of Phosphonol from your Chemist today. The whole nervous system responds quickly and sympathetically, and immediately almost all the functions of the body begin to be performed healthfully and easily, and with their natural vigour. Be a Man of Nerve. Possess the Vigour of youth, it is within your grasp. Hundreds have benefited, by taking Phosphonol. You also will be, if you are fortunate enough to use it. Phosphonol is not in its experimental stage, having been made and sold for Twenty years. If your Chemist hasn't got Phosphonol in stock, ask him to get it for you, or we will mail it to you by return of mail. Price \$3.00 per box or 2 boxes for \$5.00. Send postal note or registered mail. The Scobell Drug Co., 91 Youville Square, Montreal, Canada.

If your nerves are weak, your digestion poor, your liver sluggish, if you have rheumatism, if you are easily tired and depressed, if you lack confidence or will power, get Phosphonol and watch its result.

Sold in Charlottetown at Foster's Drugstore.



A Comfortable Home

A SOUND, lasting roof, weather-tight and fire-resisting, is what the owner wanted when he built this house in Fredericton, N.B. Investigation of various roofing materials convinced him that for durability, freedom from repairs and positive roofing protection no other roofing equalled

NEPONSET TWIN SHINGLES

Asphalt Saturation—Slate Surfaced—Fire Safe.

The size and shape of Neponset Twin Shingles permits of them being laid four inches to the weather, making a roof that is three thicknesses. These are the only twin shingles manufactured—two shingles in one. They are quickly and easily laid, require one-third less nails, are laid close together and have the appearance of a slate roof.

Neponset Twin Shingles do not split, curl or dry out, and once laid, form a roof that endures many years. Their attractive color—red or green—gives the roof an artistic appearance that harmonizes with the surroundings. The ideal roofing for Residences, Bungalows, Churches, Schools and Public Buildings.

There is a Neponset dealer in your district. Write us for his name and a copy of our illustrated booklet "Roofing Canada."

Made in Canada by
BIRD & SON LIMITED
Hamilton, Ont.

NEPONSET ROOFS