Children Cry for Fletcher's

CASTORIA

The Kind You Have Always Bought, and which has been in use for over 30 years, has borne the signature of Chas. H. Fletcher and has been made under his personal supervision since its infancy. Allow no one to deceive you in this. All Counterfeits, Imitations and "Just-as-good" are but Experiments that trifle with and endanger the health of Infants and Children—Experience against Experiment.

What is CASTORIA

Castoria is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It is pleasant. It contains neither Opium, Morphine nor other Narcotic substance. Its age is its guarantee. It destroys Worms and allays Feverishness. For more than thirty years it has been in constant use for the relief of Constipation, Flatulency, Wind Colic, all Teething Troubles and Diarrhœa. It regulates the Stomach and Bowels, assimilates the Food, giving healthy and natural sleep. The Children's Panacea—The Mother's Friend.

GENUINE CASTORIA ALWAYS

Bears the Signature of

Chas. H. Fletcher.

In Use For Over 30 Years

The Kind You Have Always Bought

THE CENTAUR COMPANY, NEW YORK CITY.

Uses and Abuses of Fertilizers

By Prof. R. J. H. De Loach, Director of Georgia Experiment Station.

2. INTELLIGENT USE OF FERTILIZERS IN GERMANY.

The Second of a Series of Six Articles.

All state institutions have fostered the fertilizer trade since its origin in the early fifties. State organizations of all kinds have taken a lively part in the building up of the trade, and in later years the states have taken it for granted that the trade is profitable to farmers and merchants alike, and have therefore framed laws to regulate its manufacture and sale. In every state where fertilizer is sold in appreciable quantities laws have been passed exacting certain requirements of the manufacturer, as to analyses, grades, etc. Besides the trade, over-ambitious, might forget its obligation to the consumer and offer for sale inferior material under the name of fertilizers. We may say without fear of successful contradiction that the states themselves are largely responsible for the rise and volume of the fertilizer trade.

It has long been recognized that Germany leads the world in many lines of science. This is perhaps true in regard to the use of fertilizers in early years. Germany discovered that mineral salts applied to growing crops increased the yields immensely, and gave time and study to the underlying causes, and has suggested to the other parts of the world many valuable lessons on her findings. Von Liebig, through his studies and lectures on modern agriculture, has made known much of the work of Germany in the early history of the use of commercial fertilizers. Liebig says that Kuhlman, a German agricultural scientist, applied salammoniac to a meadow in the years 1845 and 1846, and found that on a hectare (2½ acres) he gathered 8,140 pounds of hay more than on the same kind of meadow where he did not use the salammoniac. He secured this result by using about 200 pounds of salammoniac to the acre.

In commenting upon this Von Liebig has the following to say: "It is quite certain, that in the action of the guano, which produced the crop next highest after the Chili saltpeter, an unmistakable part was played by the ammonia contained in it. On the other hand, however, the experiments with carbonate and nitrate of ammonia show that a quantity of ammonia, or nitrogen, equivalent to that in 20 pounds of guano and employed under the same conditions, was almost without effect."

Fertilizer Experiments In Germany.

A little further along he says: "The most recent observations on the comportment of the soil towards the food of plants show how slight is the knowledge we possess of their mode of nourishment, and of the part which the soil, by its physical condition, plays in it. The comportment of the salts of ammonia, of chloride of sodium, and of nitrate of soda, towards the earthly phosphates in the soil, may perhaps assist us in throwing some light on their action, or one of their actions, on the growth of plants." This statement was made because it was always found that when common salt was added to certain mineral manures, greater yield was obtained, and Von Liebig came to the conclusion that this was due to the relation of this added material to the liberation of potash in the soils.

Only a short time after the war between the states the German potash beds were discovered and by rapid leaps and bounds this material gained in favor with planters as well as experimenters. The necessity for finding a combination to liberate the potash in the soils was now removed and thorough satisfaction was found in the use of the nitrate of soda and the potash salts, and here the industry stood for a long time. Liebig does claim, however, that Tribasic phosphate of lime crept into the formula and was found efficient. This fact is very significant and happened to be discovered by a constant study of the use of the nitrate of soda and potash salts. Liebig thought that these two plant food materials had the power of dissolving phosphoric acid in the form of earthly phosphates, and these in turn added greatly to the yield of farm crops.

Germany's Crop Yields Greater Than Other Nations.

We have here many hints of what afterwards really developed to be facts—namely that the three great elements of plant food that should be applied to the soil for good crop yields are phosphoric acid, ammonia and potash. For many years these three elements have been the essential elements of plant food in a fertilizer formula.

Today Germany applies more mineral salts per acre to her crops than any other nation in the world, and partly as a consequence gets higher yields of farm crops than any other nation. It is significant that these two facts are so closely related, but it must be remembered that Germany has learned the lesson of good tillage—deep plowing, the proper use of vegetable matter in the soil, and the dangerous practice of continuous cropping with any single crop. It is also to be remembered that the lands on which the most money can be cleared without any kinds of fertilizers are the lands that will give greatest profits with fertilizers.

For Sale!

All my town and country property. Have between 5,000 and 6,000 acres of farm lands, both large and small tracts. For terms and particulars, apply to

A. Weinberg,

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C. V. VERNER,

Engineer --- Surveyor.

Concrete, Drainage, Roads.

Superintendent of Water Works,

MANNING, S. C.

Phone - - - Water Works.

Invigorating to the Pale and Sickly

The Old Standard general strengthening tonic, GROVE'S TASTELESS chill TONIC, drives out Malaria, enriches the blood, and builds up the system. A true tonic. For adults and children. 50c

Colds Quickly Relieved.

Many people cough and cough—from the beginning of Fall right through to Spring. Of . get cold after cold. Take Dr. King's New Discovery and you will get almost immediate relief. It checks your cold, stops the racking, hesping, tissue-tearing cough heals rub inflammation, soothes the raw tates. Easy to take, Antiseptic and Healing. Get a 50c bottle of Dr Kings New Discovery and keep in the house. "It is certainly a great medicine and I keep a bottle of it continually on hand" writes W. C. Jesseman, Franconia, N. H. Money back if not satisfied but it dearly always helps—Adv.

Whenever You Need a General Tonic Take Grove's

The Old Standard Grove's Tasteless chill Tonic is equally valuable as a General Tonic because it contains the well known tonic properties of QUININE and IRON. It acts on the Liver, Drives out Malaria, Enriches the Blood and Builds up the Whole System. 50 cents.

RUB OUT PAIN

with good oil liniment. That's the surest way to stop them. The best rubbing liniment is

MUSTANG LINIMENT

Good for the Ailments of Horses, Mules, Cattle, Etc.

Good for your own Aches, Pains, Rheumatism, Sprains, Cuts, Burns, Etc.

25c. 50c. $1. At all Dealers.

FARM STOCK

TURNING SILAGE INTO BEEF

It Cannot Be Considered as Substitute for Other Necessary Materials in Animal's Ration.

The word "silage" at one time suggested only brimming milk pails and big milk checks. Nowadays it is as well a big factor in putting the finishing touches on choice sirloin beef.

Silos are common in the beef feeding sections of Wisconsin. The main reason for feeding silage to beef cattle is economy of production. It cannot be considered as a substitute for other necessary materials in the ration, according to J. L. Tormey, College of Agriculture, University of Wisconsin, who gives a few suggestions as to the feeding of silage for beef production under local conditions.

"Clover or alfalfa hay should be fed along with the silage in the winter. If clover or alfalfa hay is not obtainable, use timothy or mixed hay. In addition to the corn silage and hay allowance, about three or four pounds of cottonseed meal for each 1,000 pounds of live weight of the animal should be fed daily.

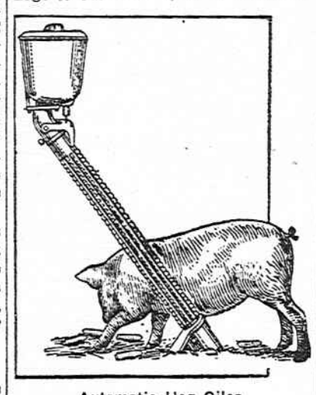
Two-year-old steers weighing about 1,000 pounds may be started on about 20 to 25 pounds of silage, 6 to 8 pounds of clover or alfalfa hay, and 5 to 6 pounds of a mixture consisting of six parts of corn to one part cottonseed meal by weight daily. In a period of two weeks the cattle may be brought up to full rations, if carefully watched. At this time they will eat about 15 to 20 pounds of silage, 5 to 6 pounds of hay and 12 to 14 pounds of grain mixture daily.

"As cottonseed meal is rather high priced this year, wheat bran or gluten feed may be used instead with almost as good results and at a saving in cost of production."

OIL ON THE TROUBLED HOGS

Solution of Dipping Problem Solved—Much Added to the General Health of the Animals.

Oiling hogs when and where the hog desires has been found to be the proper solution of the dipping problem and adds much to the general health of the hog. We have presented several of these devices for oiling hogs to our readers, all of which are



Automatic Hog Oiler.

being manufactured in increasing numbers to meet the popular demand for something of the kind. Here is one that works on a little different principle than the others. As the hog rotates the barrel of the cylindrical stem the knobs hit the trip and a little oil is released to run down to the hog's hide. The slope of and angle at which the "post" stands makes it possible for the hog to get oil on any part of its body—top, bottom, sides or ends.—Farming Business.

BUILDING DOG-PROOF FENCE

Most Economically Constructed by Setting Posts Ten Feet Apart—Put Barbed Wire First.

A dog-proof fence can be economically built in the following manner: Posts are set ten to twelve feet apart and a barbed wire is first stapled to them right on the surface of the ground. Three inches above this is placed a panel of close-woven wire, 36 inches high, and about this two strands of ordinary barbed wire. Care should be taken to see that there are no openings between the ground and the lowest barbed wire. An inclosure made in this manner, into which sheep may be turned at night, is inexpensive, and dogs will not go through it. Most of the damage by dogs is done at night.

New Feed for Stock.

The stock melon, which is a cross between citron and watermelon, is being fed to stock in the Kansas and Oklahoma experiment stations for experimental purposes. The fruit has somewhat the appearance of a watermelon. The flesh is solid and lacks sweetness.

Prevention Is Cheapest.

Have little bedding in the pen at farrowing. Wait until the pigs get large enough to take care of themselves before bedding heavily. Have the pen dry and clean and keep it thus. Make liberal use of the well-known disinfectants. Prevention is cheaper than cure.

When to Take Chamberlain's Tablets

When you feel dull and stupid after eating.
When constipated or bilious.
When you have a sick headache.
When you have a sour stomach
When you belch after eating.
When you have indigestion.
When nervous or despondent.
When you have no relish for your meals.
When your liver is torpid.
Obtainable everywhere.

Cures Old Sores, Other Remedies Won't Cure.

The worst cases, no matter of how long standing, are cured by the wonderful, old reliable Dr. Porter's Antiseptic Healing Oil. It relieves Pain and Heals at the same time. 25c, 50c, $1.00

Notice.

The Books of Registration for the Municipal election to be held on the second Monday in April are now open at the office of Davis and Wideman, and will remain open until the first of April.

J. W. Wideman,
Supervisor of Registration.

Worn Out?

No doubt you are, if you suffer from any of the numerous ailments to which all women are subject. Headache, backache, sideache, nervousness, weak, tired feeling, are some of the symptoms, and you must rid yourself of them in order to feel well. Thousands of women, who have been benefited by this remedy, urge you to

TAKE

Cardui

The Woman's Tonic

Mrs. Sylvania Woods, of Clifton Mills, Ky., says: "Before taking Cardui, I was, at times, so weak I could hardly walk, and the pain in my back and head nearly killed me. After taking three bottles of Cardui, the pains disappeared. Now I feel as well as I ever did. Every suffering woman should try Cardui." Get a bottle today. E-68

For Greatest Satisfaction Use

DOUBLE SERVICE Automobile Tires

Guaranteed 7,000 Miles Service

Absolutely Punctureproof

Double Service Tires are made double the thickness of the best standard make tires.

This 100% greater wearing surface naturally gives that much more mileage and service. The average of 12 miles of tough fabric and one inch surface tread rubber makes these tires *absolutely punctureproof*.

These tires excel all others for use in the country over rough and rugged roads as well as on hard pavements. They are as easy riding and resilient as any other pneumatic tire—the air space and pressure being the same.

They are the *most economical* and "care free" tires made and are used where tires must be depended on and tire troubles cannot be tolerated. Many *Double Service* style tires are in use in the U. S. government and European War service.

Our output is limited to a certain amount, but for a short time we offer the following reduced special prices as an Introductory Offer:

PRICES

	Tires	Tubes		Tires	Tubes
30x3 in.	$ 8.60	$2.30	33x4 in.	$17.45	$4.55
30x3½ in.	10.85	3.10	35x4½ in.	21.20	5.60
32x3½ in.	12.75	3.30	36x4½ in.	22.50	6.75
32x4 in.	15.75	4.20	37x4½ in.	23.60	6.90
34x4 in.	15.70	4.35	37x5 in.	25.30	6.60

All other sizes not included in above list also furnished. Non-skids at 10% additional.

Terms: Payment with order at above special prices, a 10% discount allowed on orders for two or more tires. All personal checks must be certified.

Try these tires now and be convinced of their very high qualities. Sold direct to the consumer only.

Descriptive folder upon request. Write for it.

Double Service Tire & Rubber Co., Akron, O. Dept.

DOUBLE THICKNESS OF TREAD AND RUBBER ABSOLUTELY PUNCTUREPROOF

C. O. EDWARDS. H. M. PERRITT.

EDWARDS & PERRITT, CIVIL ENGINEERS AND SURVEYORS.

Office Over Bank of Manning.

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Coughs and Colds Not to Be Neglected

Anyone will realize the seriousness of neglecting a cold if he observes results of such neglect among his acquaintances. How often have you heard, "He caught cold, didn't do anything for it and it turned into"—then some dreaded disease is named.

Ordinary colds yield to prompt treatment at the beginning. That is why every family should be supplied with a reliable cough medicine—one that will heal raw and inflamed surfaces, loosen the phlegm, allay irritation, ease the hoarseness and stop the tickling sensation in the throat that does not permit one to sleep.

Foley's Honey and Tar Compound is invaluable for relief of coughs, colds, croup, whooping cough, tickling in throat, tightness or soreness, grippe or bronchial coughs. It contains no harmful ingredients. It is prompt, soothing, efficient and pleasing.

Dr. King's New Life Pills

The best in the world.

Only Yesterday Three Men Said

My clothes look better, feel better and last longer since you have been caring for them.

They ought to for we give them the kind care that merits praise from all.

THAT'S SERVICE. TRY IT.

The Only Steam Pressing Machine in Manning.

Hoffman French Dry Cleaning Co.

'Phone 142.

HORSES MULES

We have a Horse or Mule to suit everybody. Small and large Mules. If you want to get real money come in and let us show you what we have.

We have several fine Driving Horses, Saddle Horses, Farm and Draft Horses. We can furnish you with most anything in the horse or mule line. so don't fail to see us first.

Full Line of Buggies, Wagons, Harness, Lap Robes, Etc.

Coffey & Rigby,

Manning, S. C.

Moved!

We are in the store recently occupied by Player Furniture Co.

Best Grade Tobacco Cloth, 2c. Yard.

Yours for a square deal,

KATZOFF.

We Have!

A Full Stock of

Buggies, Wagons,

AND

Harness

in stock, and ask your inspection. Get our prices before you buy. Everything guaranteed.

Highest prices paid for COTTON SEED!

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Machinery, Mill and Plumbing Supplies.

AUTOMOBILE and TIRE ACCESSORIES.

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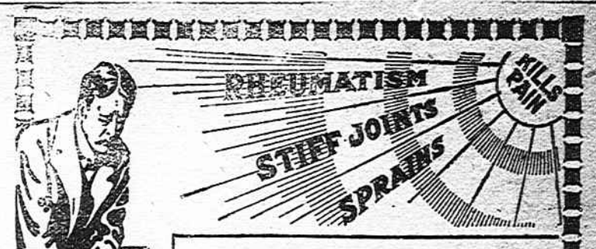

Does Pain Interfere?

There is a remedy

Sloan's Liniment

Read this unsolicited grateful testimony—

Not long ago my left knee became lame and sore. It pained me many restless nights. So serious did it become that I was forced to consider giving up my work when I chanced to think of Sloan's Liniment. Let me say—less than one bottle fixed me up. *Chas. C. Campbell, Florence, Tex.*

THE BEST FERTILIZER

to use this year is a mixtude of equal parts of Acid Phosphate and Cotton Seed Meal.

This mixture will analyse NINE per cent. available Phosphoric Acid, and THREE AND ONE HALF per cent. Ammonia, and nearly if not quite ONE per cent Potash.

We are prepared to furnish both the above materials and also Blood and Tankage, and we solicit inquiries.

MANNING OIL MILL

Manning, S. C.

If, for no other reason than the unforeseen demands incident to human life, you owe yourself a Bank account.

It's a duty, because you haven't the power to predict the futu e but you have power to start a Bank account and fortify for thefuture. Besides we want to help worthy young men to succeed. Bsgintoday with $.

The Bank of Manning.

There's a great variety of useful articles required in the kitchen for cooking purposes, and we have them all in superior quality. Kettles. Tea and Coffee Pots. Broilers, Saucepans, Fry Pans, Cake Tins, etc., we have in the most excellent makee. They are of the finest block tin, and formed in a way that makes them most durable. Whether you need a whole kitchen outfit or an odd thing, it is here.

Plowden Hardware company

How To Give Quinine To Children.

FEBRILINE is the trade-mark name given to a improved Quinine. It is a Tasteless Syrup, pleasant to take and does not disturb the stomach. Children take it and never know it is Quinine. Also especially adapted to adults who cannot take ordinary Quinine. Does not nauseate nor cause nervousness nor ringing in the head. Try it the next time you need Quinine for any purpose. Ask for 2-ounce original package. The name FEBRILINE is blown in bottle. 25 cents.

The Quinine That Does Not Affect The Head

Because of its tonic and laxative effect, LAXATIVE BROMO QUININE is better than ordinary Quinine and does not cause nervousness nor ringing in head. Remember the full name and look for the signature of E. W. GROVE. 25c.

Piles Cured in 6 to 14 Days

Your druggist will refund money if PAZO OINTMENT fails to cure any case of Itching, Blind, Bleeding or Protruding Piles in 6 to 14 days. The first application gives Ease and Rest. 50c.

Constipation

Is to be dreaded. It leads to serious ailments, Fever, Indigestion, Piles, Sick Headache, Poisoned System and a score of other troubles follow. Don't let Constipation last. Keep your Kidneys, Liver and Bowels healthy and active. Rid your system of fermented, gassy foods.

Nothing better than

Dr. King's New Life Pills

All Druggists 25 cents

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