

Children Cry for



MOTHER:—Fletcher's Castoria is especially prepared to relieve Infants in arms and Children all ages of Constipation, Flatulency, Wind Colic and Diarrhea; allaying Feverishness arising therefrom, and, by regulating the Stomach and Bowels, aids the assimilation of Food; giving healthy and natural sleep.

To avoid imitations, always look for the signature of *Chas. H. Fletcher* Absolutely Harmless—No Opiates. Physicians everywhere recommend it.

Completely Cut Off

Tired Business Man—I'd like to go where I'd be entirely cut off from the world.

Friend—Why don't you try a telephone booth, old man?—Good Hardware.



If people only knew the facts about their skin

THE real cause of skin trouble—rashes, blackheads, excessive oiliness, etc.—is way down in the lower layers of the skin. It cannot be expected therefore that mere surface remedies can reach the disorder.

Thousands of physicians are daily prescribing Resinol Ointment and Resinol Soap. They know this gentle, yet effective treatment does sink deep, and will often soothe away in a few days the most stubborn rash as well as a trifling blemish. No home should be without these products—the soap for general toilet use—the ointment to check the first bit of skin eruption. At all druggists.

RESINOL

Family Remedies. Never offered before. Save costly doctor bills. 75 prescriptions with full instructions successfully prescribed by an eminent European specialist. Tonic, Parasitic, Diarrhea Mixture, Fever & Cold Cures, Stimulants, Sore Throat & Cough Mixture, Mouth Washes, Tooth Powders, Gases, Liniments, Lotions, Ointments. \$1. stamped copy to E. A. BARRY, Box 283, Norristown, Pa.



Porter's Pain King
A Unifier for Aches and Pains. Powerful, Penetrating, Soothing. Use It Today. Why Suffer?

Machine Writes Fast
Miss Edna C. Robeson of Atlanta, Ga., is the inventor of a machine that writes faster than one can speak. A complete word is written at every touch of the key.

Your efforts to please others will invariably afford you pleasure.

Get back that lost weight!

WHEN you start to waste away to a shadow, when the color leaves your cheeks and your poor, tired legs will hardly hold up your weakened body it's high time you started taking a fine tonic and builder like Tanlac.



First Bottle Brought Improvement
"Pains in my side and back caused me lots of trouble day and night. I could hardly walk my beat. Tanlac fixed me up quick. I noticed the improvement after the first bottle."
Patrolman Wm. J. Bader
324 Paul Ave., Belleville, Ill.

Tanlac will build you up and make you feel that life's worth living. Made from roots, herbs and bark gathered from the four corners of the Earth and compounded under the exclusive Tanlac formula, Tanlac is just what the poor, starved body needs.

First of all it cleanses the blood stream and puts the digestive organs in order. You find, after a few days' treatment, that you want to eat. Pretty soon the welcome color steals back into your cheeks and the scales tell you that you're gaining weight. From then on it's only a short time until you're feeling fit as a fiddle.

Millions of men and women have taken Tanlac with great benefit. More than one hundred thousand people have written us glowing tributes to this wonderful tonic.

TAKE TANLAC VEGETABLE PILLS FOR CONSTIPATION

TANLAC

FOR YOUR HEALTH

Greatest Frost Risk to Fruit

Most of Harm Usually Occurs in Early Stages of Growth in Spring.

(Prepared by the United States Department of Agriculture.)
In discussing the weather risk in fruit growing in the United States before the American Meteorological Society recently a member of the weather bureau of the United States Department of Agriculture explained that it is relatively greater than for most other crops because of low winter temperatures damaging twigs or buds, or spring frosts killing advanced buds or blooms. The type of winter injury in the North differs from that in the South.

Greatest Harm Early.
While winter injury is important in deciduous fruit, the greatest harm usually occurs in the early stages of growth, to the blossoms or young fruit just set. At the same time it may happen that there is a range of several degrees between the temperature at which all the buds or blossoms on a tree will be killed and that at which, because of favorable location or different stages of development, a good many will escape. Because of this orchardists often overestimate the amount of damage after a spring frost at blooming time.

The low-temperature danger point for fruit blossoms or for fruit just set ranges from 27 to 29 degrees, with very slight variations. It is somewhat higher for apricots, plums and prunes. Well-developed buds will withstand a lower temperature than after they have opened, due to the subcooling of their capillary liquids. This type of cooling without forming ice is due largely to the presence of chemical substances held in solution.

Cause of Frost Risk.
The principal cause of the greater frost risk to fruit than to other agricultural products is man's inability to control the vegetative periods in the spring. Planting can be delayed for most other crops until frost risk is very slight or entirely eliminated. There is very little margin in the case of fruit, between the date of the last killing frost in spring and the blooming dates. In Ohio during 40 per cent of the years in a long period studied freezing weather occurred after the fruit trees were in full bloom. As it is impossible to hold back the development of the blossoms in any way, there is apparently no remedy for this difficulty. There may be heavier winter injury in the central northern states than elsewhere, but earliness and lateness of blooming in relation to the time of last killing spring frost is substantially the same in all sections and at different elevations. Local variations in topography, however, may give one orchard a distinct advantage over another. Where alternating slopes and depressions occur the lower ground should not be used for orchards, as it will usually have the lower temperatures. Unfortunately many orchards in this country have been planted without regard to local topography, and to this is partly due the heavy frost damage from time to time.

Air-Slaked Lime Dusting Will Discourage Slugs
A dusting of air-slaked lime around the plants will discourage slugs or snails; they will not crawl over it. Many may be trapped by laying cabbage or lettuce leaves on the ground in the evening; in the morning they will be found under these leaves, and may be destroyed.

These molluscs are often a nuisance in cold frames, hotbeds and cellars, as well as in greenhouses. To control them the United States Department of Agriculture advises to remove all decaying boards or debris, and then apply air-slaked lime, finely pulverized salt or road dust liberally. Of course, salt could not be used on plant beds, but beds of cuttings or seedlings may be protected by putting a border of salt, soot or dry lime around them. Dry lime or salt will be found desirable in a cellar where the slugs or snails appear. They can also be poisoned with a bait of boiled potatoes or sweet potatoes sprinkled with white arsenic or paris green. Drenching the soil with a solution of mercuric chloride (corrosive sublimate), one-half ounce to the gallon of water, will destroy slugs, snails, earthworms, and the larvae of various soil insects, but this must be handled with great care, as it is a deadly poison. As the bi-chloride corrodes metals, it should be prepared in a glass or glazed vessel.

Different Crops Need Fertilizing Formulas

It is impossible to lay down definite fertilizing formulas for different crops because of the extremely wide variation in soils. Generally speaking, for barley on a sandy soil, a 2-12-4 mixture is recommended. If the ground has not had legumes grown regularly nor manure applied. Where corn crops have been hogged down a great deal of manure has been returned to the soil which is supplying a large amount of potash and nitrogen. However, the corn crop used a great deal of these plant foods, especially the nitrogen and it is not advisable to reduce the amount of nitrogen recommended in the 2-12-4 formula. From 200 to 400 pounds per acre is the amount usually recommended for soils that are in fairly good condition. Between 250 and 300 pounds per acre should be sufficient.

Some Reasons Why Potatoes Run Out

Degeneration Largely Due to Insect Diseases.

(Prepared by the United States Department of Agriculture.)
Seed-potato improvement is largely a matter of disease control, says the United States Department of Agriculture, according to the evidence at hand. Recent experimental findings with the group of so-called virus or degeneration diseases of potatoes, including mosaic, leaf-roll, spindle-tuber, streak, and curly dwarf, show that the so-called running-out, deterioration, senility, etc., of the potato is caused very largely if not entirely by these virus diseases. Reductions in yield ranging from 15 to 70 per cent or practically a total loss in severe cases may result from these maladies.

The growers of seed potatoes should know, among other things, that certain potato maladies are carried by insects, that degeneration of potatoes is largely due to these insect-borne diseases, that it is not wise to try to develop and maintain healthy stock by planting it adjacent to diseased lots, that tubers from diseased plants propagate the disease, that bin selection of tubers without field inspection will not lead to the production of disease-free stock, and that certain practices of isolation of seed fields or plots coupled with special field inspection and the removal of diseased plants have been helpful in reducing the percentage of disease.

These factors in the improvement of seed-potatoes are discussed in Farmers' Bulletin 1436, "Why Potatoes Run Out," just issued by the United States Department of Agriculture. A copy may be secured free of charge while the supply lasts by writing to the department at Washington.

Milk With Grains Will Hasten Growth of Chick

That the addition of milk to the regular grain ration of growing chicks leads to a greatly increased rate of growth is a conclusion reached by federal poultry specialists who have studied the matter experimentally. The experiments are still in progress. The conclusion agrees with the experience of commercial poultrymen who have included milk in the rations of young chickens.

Another experiment conducted by the United States Department of Agriculture which promises to be of practical importance is on the relative efficiency of mash rations containing vegetable proteins. The results thus far bear out those of previous years' work to the effect that the addition of certain mineral salts to vegetable proteins makes them compare favorably with animal proteins as a protein supplement for poultry. Unless the minerals are used the protein of animal origin is more efficient.

These experiments are conducted at the bureau of animal industry farm, located at Beltsville, Md., near Washington. Last year the government poultry specialists hatched about 7,500 chicks with good results. The fowls are used for a great variety of studies in breeding, feeding and management.

Difficulty in Raising Sweet Clover for Hay

The common difficulty in raising sweet clover for hay is that the stems become too coarse for live stock to eat it. In the majority of fields where the clover has been seeded from eight to ten pounds to the acre, this difficulty is very common. This trouble, however, may be greatly overcome by seeding more heavily to the acre. If sixteen or twenty-four pounds is seeded to the acre, the stems will be much finer and less fibrous. Of course, this means a greater cost per acre in seed, but this will be somewhat offset by a greater yield and more edible hay.

This method of heavy seeding is also beneficial in the saw thistle infested areas. The early cutting for hay not only keeps the thistles from setting seed, but the thick growth tends to crowd out the thistles.

Farm Hints

- Select wilt-resistant cowpea and mato seed now.
- Someone has said that a garden well planned is half made.
- Working a horse immediately after eating often causes colic.
- The closer the farmer is to his market, both in actual distance and actual contact, the better off he is.
- Old So's rays are medicine and food for the young chicks. Therefore let them outdoors on the sunny days.
- Grabbing the reins or continued tapping with the whip will soon teach the young colt to be an old loafer.
- Home gardening affords an ideal means of getting and keeping acquainted with the great out-of-doors.
- An empty stanchion gives more money and less work than comes from feeding the poor cow that would stand there.
- Fertile, well-cultivated soil is best adapted to rhubarb. A little manure worked into the soil around the plants once a year helps preserve the fertility.

MRS. URQUHART GETS REWARD

Mrs. Urquhart of Omaha wants every housewife to share her good fortune in possessing a handsome reward. Here is what she says: "This is the way I did it. I answered an ad by writing for a free 10c bottle of Liquid Veneer and I found it so wonderful for dusting and polishing that I told fifteen of my friends about it and the makers sent me entirely free and postpaid, a great big, beautiful \$2.00 Liquid Veneer Polishing Mop." Then Mrs. Urquhart goes on to say: "I am very proud and pleased with the reward given for what I have done, so will take great pleasure in showing it to friends."

Twenty thousand of these \$2.00 Mops are going to be given away to housewives. Write for a free 10c bottle and ask for descriptive circular 15 telling how easily you, too, may have one of these mops. Address Liquid Veneer Company, Dept. L, Buffalo, N. Y.—Adv.

Pocket Screwdriver
An inventor has designed a folding screwdriver that can be carried in the pocket with one's knife. Three blades of different sizes lock and open separately, giving the compact tool a wide range of usefulness. When the blades are not in use, they are locked tight in the handle.

A Lady of Distinction
Is recognized by the delicate, fascinating influence of the perfume she uses. A bath with Cuticura Soap and hot water to thoroughly cleanse the pores followed by a dusting with Cuticura Talcum powder usually means a clear, sweet, healthy skin.—Advertisement.

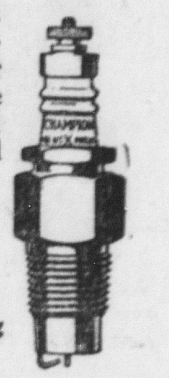
Riches Defined
Riches do not consist in having more gold and silver, but in having more in proportion than our neighbors.—Locke.

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Put in a New Set of Champions

Next week, more than 95,000 equipment dealers will assist you toward greater motoring economy with a special Champion Spark Plug week.

Begin now, with a new set of Champions, to give your engine a real chance to deliver its full power, pick-up and efficiency.



Champion X for Ford is 60 cents. Blue Box for all other cars, 75 cents.

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CHAMPION

Dependable for Every Engine

The Gentle Art
"I did not provoke her. I bit her and pulled out her hair in self-defense," said a Willenden witness.—Tit-Bits.

A 5-Passenger Closed Star for \$750

A BIG, wide, roomy 2-door Sedan with generous seats and ample leg room, front and rear. Compare its roominess with any other 2-door Sedan in its price class.

Broad doors and a right hand seat that folds toward the driver, give ample space for easy entrance and egress. Wide windows and a one-piece windshield give clear vision. A ventilator in the cowl and two above the windshield provide fresh air without exposure to the weather.

The body is finished in dark blue lacquer, with two white stripes. Top is artificial leather embellished with carriage guards. The radiator shell is nickeled.

Powered with the Star Million Dollar motor, this car offers exceptional value at a price which puts it within the reach of all.

Low-cost Transportation
Star Cars

STAR CAR PRICES f. o. b. Lansing, Mich.					
TOURING	\$540	2-DOOR SEDAN	\$750
COUPE	\$625	4-DOOR SEDAN	\$820
COUPE	\$715	COMMERCIAL CHASSIS	\$445

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Dealers and Service Stations Throughout the United States and Canada
Plants: Elizabeth, N. J. - Lansing, Mich. - Oakland, Cal. - Toronto, Ont.

Hospitals and Orphanages
There are more than 7,000 hospitals in the United States and Canada and nearly 2,000 orphanages for dependent children.—Science Service.

Great Idea
It is odd no one has ever thought to devise a lawn sprayer embodying the principle of the grape fruit.—Detroit News.

The Road to Service

Concrete roads benefit the motorist, the pedestrian and the shipper by being smoother and safer. They eliminate mud holes, improve appearance and inspire community pride. Their permanence means greater service, fewer detours and greatest economy.

Portland Cement, the cheapest of all manufactured products, makes the concrete road possible. It is the one material you should use for every type of construction about the home or farm.

Whatever your problem, the building material dealer can give you an Atlas book which will help you to build wisely and well.

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