

Children Cry For

Fletcher's CASTORIA

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. For more than thirty years it has been in constant use for the relief of Constipation, Flatulency, Wind Colic and Diarrhoea; allaying Feverishness arising therefrom, and by regulating the Stomach and Bowels, aids the assimilation of 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.

CELLARS OR CAVES

Particularly Desirable for Storage of Many Surplus Vegetable Crops.

SUPERIOR IN MANY RESPECTS

Outdoor Affairs Can Be Maintained at Uniform Temperature Over Long Period—Ventilators Add to Efficiency.

(Prepared by the United States Department of Agriculture.)

Outdoor storage cellars or caves are excellent for the storage of many vegetables. They are particularly desirable on the farm, as they afford convenient and inexpensive storage facilities for surplus vegetable crops that otherwise might be lost. They possess all the advantages of the storage room in the basement and are superior in many respects. The outdoor storage cellar can be maintained at a uniform temperature over a long period. It is possible to keep the cellar cool and quickly to reduce the temperature of



An Outdoor Storage Cellar, Typical of Those Used in the South for Storing Sweet Potatoes and Other Root Crops. It Consists of a Pole and Plank Frame Covered With Sod and Straw.

the stored product to the desired point for safe storage by opening the door during the night and closing it in the morning before the air becomes warm. All ventilators should likewise be kept tightly closed until the outside air is again cooler than that within the cellar, when they should be opened, unless the outside temperature is so low as to be dangerous. This safeguards the product and adds to the efficiency of the storage chamber. Vegetables can be more conveniently placed in such a cellar than in the storage room in the basement of a dwelling.

When the chief use of the outdoor storage cellar is for storing turnips, beets, carrots, and other root crops commonly used as stock for food, it should be located near the stable, where the material will be convenient for winter feeding. When it is to be used for vegetables for the table the cellar should be accessible from the kitchen at all times. If apples or other fruits are to be stored in an outdoor storage cellar it is desirable to have a two-compartment cellar, one for vegetables and one for apples, with a ventilating apparatus in each compartment.

Construction of Cellar.

As the root cellar must be weather proof, that is, capable of being kept free from moisture and free from frost, its type and construction vary with the geographical location. In the southern portion of the country the structure is usually entirely above ground and protected by only a few inches of sod and with straw, leaves, etc. In Northern sections outdoor storage cellars are made almost entirely below ground and covered with a foot or two of earth.

Storage in Regions of Mild Winters.

An above-ground storage cellar, suited to conditions in southern sections of the United States may be built on a well-drained site at slight expense. A row of posts may be set 5 or 6 feet apart, extending 7 or 8 feet above the surface of the ground, with a ridgepole placed on top of them. Against each side of the ridgepole a row of planks or puncheons is placed, with their opposite ends resting in a shallow trench 4 or 5 feet from the line of posts. The ends are boarded up, a door being provided in one end of the structure and the room covered with sod to a depth of 5 or 6 inches. A good type of outdoor storage cellar built along these lines is shown in the illustration.

Storage in Regions of Severe Freezes.

In sections where low temperatures prevail it is necessary to insulate the storage house so that the vegetables will not freeze. An above-ground type of storage house much used in many sections of the North has thick walls filled with insulating material, such as sawdust or shavings. The construction is of frame and the walls are usually 10 to 12 inches thick. Both the inside and the outside walls are sheathed with matched lumber so as to make them airtight. The rafters are coiled on the under side with the same material and the space between the rafters filled with dry insulating material. The use of building paper to the roof and walls of the storage

house is of great assistance in insulating it.

A type of storage cellar much used in Northern sections of the country is built partly under ground. The walls are of masonry and extend to a point just above the surface of the ground. On these walls plates are set and a roof of frame construction erected. The roof structure is celled on the under side of the rafters and some suitable insulating material, such as dry sawdust or shavings, packed in the space between the rafters, and then the sheathing, paper, and roofing material are applied. This type of structure is preferable in many respects to the above-ground type, as it is easier to maintain the temperature at the proper point and its insulation is a comparatively easy matter.

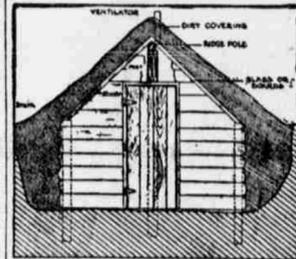
Protection from freezing may be secured with a simpler type of structure by making it entirely underground. In order to avoid steps down to the level of the floor, with the consequent extra labor in storing and removing the vegetables, a sidehill location is desirable.

The excavation in the hill should be of the approximate size of the cellar, using the dirt for covering the roof and for banking the sides of the structure. A frame is erected by setting two rows of posts of uniform height in the bottom of the pit near the dirt walls and a third line of posts about 5 feet higher, through the center of the pit. These posts serve as supports for the planks or puncheons forming the room of the structure, as with the above-ground type of storage cellar already described. The door is placed at one end and a ventilator put in the roof. The whole structure with the exception of the portion occupied by the door is covered with dirt and sod. The thickness of the covering must be determined by the location; the colder the climate the thicker the covering. The dirt covering may be supplemented in winter by a layer of manure, straw, corn fodder, etc. Outdoor storage cellars usually are left with dirt floors, as a certain degree of moisture is desirable. These cellars may be made of concrete, brick, hollow tile, stone, or other material.

Outdoor Storage Cellar Built of Concrete. The type of outdoor storage cellar described above, while low in first cost, is short lived, as the conditions in the cellar are favorable to the decay of wood. The concrete storage cellar, although rather high in first cost, as compared with wood, is a permanent structure. Concrete possesses several advantages over brick, stone, or other decay-resisting materials. In the construction of a small structure suitable for the home it is possible to make the roof self-supporting. And to employ unskilled labor, thus lessening the cost. It is a simple matter to waterproof concrete, a feature highly desirable in a storage cellar.

For detailed information in reference to the mixing and handling of concrete, the reader is referred to Farmers' Bulletin 461, entitled "The Use of Concrete on the Farm."

The site for the concrete storage cellar should be selected with the same considerations in mind as for the wood-frame cellar, namely, a well-drained, convenient location, preferably a sidehill, into which it may be built. The excavation should be just large enough for the dirt walls to serve as the outside form for the concrete. For that portion of the wall which is



End View of an Outdoor Storage Cellar, Showing the Frame of Posts Covered With Planks or Puncheons and With Dirt. Additional Protection May Be Given by Placing Manure, Straw, or Corn Fodder on Top of the Dirt.

above the surface of the ground a board form must be used. The inside form is usually made of board held in place by scantling spaced about 18 inches apart. Temporary supports should be placed across the top to carry the form, so that it will be of the size and shape desired. The side walls and roof should be so constructed that there will be no joints to weaken the structure. The form for the ceiling may be slightly arched by setting a temporary line of posts through the middle of the excavation. A plate placed on these posts a few inches higher than the height of the side walls will allow the form boards to be laid crosswise of the cellar, springing the ends down and securing them to the forms for the inside of the walls.

The whole structure with the exception of the portion occupied by the door, is covered with earth to prevent freezing, the thickness of the earth covering depending upon the geographical location. In the colder sections of the country 2 or 3 feet is not too much, and additional protection may be given by using a supplementary covering of straw, fodder, or manure. In severe cold weather both the top and bottom air ducts must be closed. It is well to cover the outside ends of the air inlets by woven wire in order to prevent small animals from entering the storage cellar.

NOTICE TO SICK WOMEN

Positive Proof That Lydia E. Pinkham's Vegetable Compound Relieves Suffering.

Bridgeton, N. J.—"I cannot speak too highly of Lydia E. Pinkham's Vegetable Compound for inflammation and other weaknesses. I was very irregular and would have terrible pains so that I could hardly take a step. Sometimes I would be so miserable that I could not sweep a room. I doctored part of the time but felt no change. I later took Lydia E. Pinkham's Vegetable Compound and soon felt a change for the better. I took it until I was in good healthy condition. I recommend the Pinkham remedies to all women as I have used them with such good results."—Mrs. MILFORD T. CUMMINGS, 322 Harmony St., Penn's Grove, N. J.



Such testimony should be accepted by all women as convincing evidence of the excellence of Lydia E. Pinkham's Vegetable Compound as a remedy for the distressing ills of women such as displacements, inflammation, ulceration, backache, painful periods, nervousness and kindred ailments.

THE ORIGINAL CHEMICAL
Indoor Closet
30,000 SOLD—FIFTH YEAR
More Comfortable,
Healthful, Convenient
Eliminates the out-house, open vault and cess-pool, which are breeding places for germs. Have a warm, sanitary, color-treated closet in your house. No going out in cold weather. A loan to invalids. Endorsed by State Boards of Health.
ABSOLUTELY ODORLESS
Put It Anywhere in The Home
The germs are killed by a chemical process in water in the container. Empty once a month. No more trouble to empty than a toilet. Absolutely guaranteed. Ask for catalog and price. **NEW SHARITAN MFG. CO.** 1405 8th St., Detroit, Mich. Ask about the **Ro-San Washbath**—Hot and Cold Running Water Without Plumbing.

ECZEMA!
Money back without question if HUNT'S CURE fails in the treatment of ECZEMA, RINGWORM, TITTIC or other itching skin diseases. Price 50c at druggists, or direct from **L. B. Richards Medicine Co., Kansas City, Mo.**

PARKER'S HAIR BALM
A toilet preparation of merit. Helps to condition, soothe, and beautify the hair. For restoring color and beauty to Gray or Faded Hair. 50c and \$1.00 at Druggists.

W. N. U., SIOUX CITY, NO. 40-1917.

Happy Thoughts.
"What was uppermost in your mind the first time you went 'over the top'?"
"I seemed to hear someone saying, 'Doesn't he look natural?'"

EAT SKINNER'S THE BEST MACARONI
MY SIGNATURE
FOR EVERY PASTA

Timorous Lover.
A woman went into a store for a pair of slippers. She asked the shop assistant to get her a pair about size 10, and she wanted them squeaky.
"They are for my father," she added.
"Squeaky, miss? I'm afraid we have not got any of that kind."
"Couldn't you make him a pair of squeaky ones?" asked the young woman.
"There is a young man who visits me frequently, and it would be very convenient for him to know just when he is coming downstairs."

GAVE UP HOPE
Often Wished For Death to End Her Misery. Doan's Effected a Complete and Lasting Recovery.

"I was helpless with kidney trouble," says Mrs. Ellen Janis, 1404 N. Third St., St. Charles, Mo., "and began to think my case was beyond the reach of medicine. The pain in my back laid me up in bed and it seemed as if my back had been crushed. I couldn't sleep and I was so nervous I was almost frantic."

"Flashes of fire came before my eyes and the pains in my head were terrible. My sight was affected and there were large, puffy spots beneath my eyes."

"How I suffered when passing the kidney secretions! I screamed in agony and I often wished I might die and be out of misery. I had night sweats and mornings on getting up I was so weak and numb I could hardly stand up. I grew so pale and emaciated I looked like death. Doan's Kidney Pills cured me completely and I have been as well and healthy since as any woman of my age."

Get Doan's at Any Store, 60c a Box
DOAN'S KIDNEY PILLS
FOSTER-MILBURN CO., BUFFALO, N. Y.

SERUM FOR RAT-BITE FEVER

Japanese Physicians Declare Cure is Obtained From Veins of Persons Who Have Recovered.

A group of eminent Japanese doctors has been busy studying rat-bite fever ever since Futaki, Ishiura and their associates reported two years ago the discovery of the microbe that causes it. This is a spirochete, so-called because its form is spiral or zig-zag. Several types of this spirochete were found in men who had been bitten by rats, and in guinea pigs that had been experimentally inoculated. These were identified by Futaki as in all probability identical.

Doctors Benjiro, Kuneko and Kikuzo Okuda of the Imperial University in Kyushu, Fukuoka, Japan, contribute to the Journal of Experimental Medicine a confirmation of Futaki's belief; Doctor Ryokichi Inada contributes a description of the disease; Doctors Yutaka Ido, Rokuto Holt, Hiroshi Ito and Hidetsune Wani describe experiments that prove the rat to be the common carrier of the Spirocheta leterohaemorrhagica, as the microbe of the disease is called; and Doctors Yutaka Ido, Hiroshi Ito, Hidetsune Wani and Kikuzo Okuda discuss the possibility of producing immunity.

The latter go into details of their experiments and come to the conclusion that the "serum of persons who have recovered from rat-bite fever contains an immune body which destroys the spirochetes of that disease."

The importance of these articles lies in the final proof that this spirochete is the cause of the fever, that rats are the carriers, and that the disease can be cured.

Macon in the Limelight.
A new railway station costing \$2,500,000 has recently been completed at Macon, Ga.

Even a splinter may have the matrimonial fever, but it doesn't always terminate in her liking.

Over the Fence and Out.

At the Gibson county fair at Princeton there are places where the fences must be guarded to keep boys and others from swarming over and in, says the Indianapolis News. This year one of the amateur policemen appointed for a long strip of fence sat down in the shade and fell asleep. Ben Murphy, president of the association, chanced to see a long, gangling youth climb the fence there. "You'll have to pay or get out," he told the youth. "Got no money; guess I'll get out," was the response. "No, on second thought," said Murphy, "I'll let you stay in on condition. You go wake that policeman and tell him you climbed in over the fence."

"Shucks, then eh'll throw me out." "Try it, anyway," said the president; "you'll get to stay."

Long Boy did as bidden. "I climbed over the fence," he told the aroused watchman.

"What!" exclaimed that individual. "Then right out you go."

He dragged the youth toward a gate, but the youngster yelled lustily to Mr. Murphy and he came up.

"I'm putting this hoodlum out," explained the policeman; "he climbed the fence."

"He said he did," snapped back the association head, "but I told him to stay and have appointed him to keep you awake. Turn him loose."

Long Boy saw the fair, but no more of his kind got over the fence that day.

Kitty Acquired the Habit.

As Mary's mother was a voice teacher, Mary was familiar with the terminology of the music studio. One day when her kitten was whining vociferously outside the door, Mary exclaimed: "Mamma, please let kitty in! She's outside, forcing her voice terribly."

Chinese Like American Cigarettes.
China consumed \$9,000,000 worth of American cigarettes in the year ending June 30.

No Other Place Would Do.

A dentist, who had been made nervous by frequent burglaries in his vicinity, was somewhat startled recently by having a man come regularly at the same hour every evening and sit on his doorstep. He finally suggested that, if it would be all the same to him, he would be pleased to have him divide his attention and sit on some neighbor's doorstep for a while.

"But it wouldn't be the same," shouted the visitor, "nor anything like it. You are a dentist, and I have an aching tooth that I haven't the courage to have pulled out. I come here every afternoon trying to make up my mind to have it out, and as soon as I come in sight of your house it stops aching, but when I sit on your doorstep, and the confounded thing knows it can be pulled out if it gives me trouble, I have some rest."

Damaged Goods.

The little boy of the suburb who runs errands for the neighbors when he gets a penny for it stepped timidly up to the counter of the hardware store.

"I want a—uh, a lock washer! You know, one that goes on a bolt to keep the nut from slipping, and is stationary."

The hardware dealer pulled out a little drawer and tossed out a few metal disks on the glass showcase. The boy examined them. He found that they were not only perforated in the center, but that they were split, and the two ends bent apart, much like the clincher rim on an automobile tire.

He handed the washers back after gravely examining them. "I don't want 'em," he decided. "Those things are broken."

Willing to Participate.

Willard was napping when his young brother came and begged him to play train. With unusual indulgence he said, "All right, I'll be the sleeping car," and continued his rest.

Wilmington, Del., finds too much explosive material stored in city limits.

Eat More Corn!

When you eat corn instead of wheat you are saving for the boys in France.

Corn is an admirable cool weather food.

Whether or not you like corn bread, corn muffins, "Johnny Cake", or corn pone, you are sure to like

Post Toasties

The newest wrinkle in corn foods—crisp, bubbled flakes of white corn—a substantial food dish with an alluring smack—and costs but a trifle.

Make Post Toasties Your War Cereal