

# CASTORIA

For Infants and Children.

## Mothers Know That Genuine Castoria

Always Bears the Signature of

*Dr. J. C. Hatcher*

In Use For Over Thirty Years

# CASTORIA

Exact Copy of Wrapper.

THE CERTAUR COMPANY, NEW YORK, N.Y.

## ENGINE TROUBLE CAUSED BY OIL

Incorrect Lubrication During Busy Season Blamed for Ills of Tractor and Truck.

### CAREFUL ATTENTION NEEDED

To Accomplish Objects Sought for Lubricant Must Be Heavy Enough to Stand Heat—Change Oil Every Five Hundred Miles.

It is claimed by tractor experts, who have given a great deal of study to the causes of tractor troubles, that one-half of all engine troubles are due to incorrect lubrication. It is important, therefore, that the lubrication of the tractor and the truck be given the most careful attention during the busy season.

Serves Two Purposes. The oil in the crank case of the motor serves two purposes, (1), to provide a thin film between all bearing surfaces to prevent friction, and (2), to provide a seal between the cylinder walls and the piston rings in order to hold the gas in the compression chamber during the compression and expansion. In order to accomplish these two objects the oil must be heavy enough to stand the heat to which it is subjected during the operation of the motor. It is well for each tractor operator to use the oil which the manufacturer recommends for this particular tractor.

Lubricating oil, although chosen from the very best grades, will not last indefinitely. The oil will break down when constantly subjected to heat and use. Considerable gasoline and kerosene will find its way into the crank case, which gradually thins the oil. The oil in the crank case, therefore, should be changed every 500 miles, in the automobile and the truck, and about every four or five days in the tractor. When the oil is changed in the crank case of any motor it is

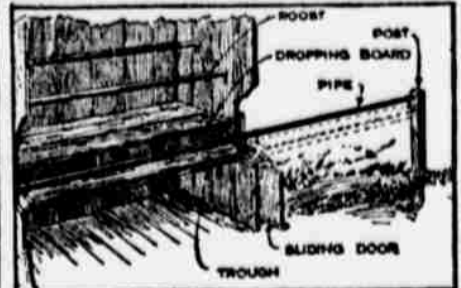
## SANITARY CONDITION OF POULTRY HOUSES

Dropping Board Must Be Cleaned Thoroughly Each Day.

V-Shaped Trough Made by Nailing Two Boards Together Makes It Easy Matter to Scrape Up Litter and Dump It.

In order to maintain the poultry house in a sanitary condition, daily cleaning of the dropping board must be persisted in, but for a commutator this was an early-morning job that was not anticipated with enthusiasm.

A V-shaped trough was made by nailing two eight-inch boards together



Daily Cleaning of the Poultry-House Dropping Board is Facilitated by a Sliding Trough Into Which the Droppings Are Scraped.

and closing the ends. Also, a 9 by 14-inch opening was cut in one end of the house, the center being in line with the front edge of the dropping board. A piece of one-inch pipe, long enough to extend the entire length of the dropping board and for about a foot more than the length of the trough on the outside, was supported at each end, so as to be directly under and parallel with the edge of the dropping board, as shown. The V-shaped trough was suspended from the pipe underneath the dropping board. With this arrangement, it was an easy matter to scrape the droppings into the trough and slide it outside to be emptied.—H. L. Tunison, Wakefield, Mass., in Popular Mechanics Magazine.

### BETTER PRICE FOR REACTORS

Few Buyers Now Taking Advantage of Farmer Who is Trying to Improve His Herd.

A check on the reacting cattle sold on the Buffalo market shows that the packers and stockyards administration and the bureau of animal industry of the United States Department of Agriculture have been securing better treatment for persons who have cattle of this class to sell. Records from June 1 to September 23 show that on a total of 642 head of tuberculous cattle the gross price paid per head was \$22.17, less expense of \$3.84, making a net price of \$18.33 per head. In the past, records had been kept on 4,500 head and the average price paid was only \$14.50. Few buyers are now taking advantage of the farmer who is trying to clean up his herd. Many of them find that they can afford to pay as much for reactors that are not condemned as unfit for food as they can pay for untested cattle of the same kind and quality.

### SQUASHES IN WARM STORAGE

Vegetables Must Be Handled With Care to Prevent Bruising—Product Must Be Kept Dry.

Squashes, pumpkins and sweet potatoes may be kept in good condition all winter if carefully placed in warm, dry storage, say horticulturists of the Ohio experiment station.

The proper conditions for their storage differ as to moisture and temperature from those found best for ordinary vegetables and fruits, such as potatoes, roots and apples, which require cool, moist storage.

The furnace room or a warm, dry closet where there is no danger of freezing in extremely cold weather is usually very satisfactory.

These vegetables should be handled with great care to avoid bruises or, in the case of squashes and pumpkins, breaking off the stems which would later furnish entrance for organisms of decay. The best temperature is from 50 to 55 degrees Fahrenheit.

### EXCELLENT FEEDS FOR HOGS


Skim Milk and Buttermilk Are Especially Beneficial for Pigs if of High Quality.

Skim milk and buttermilk are most excellent feeds for hogs, especially for young pigs, as every farmer knows, but it is dangerous to feed these products when they come from creameries unless they have previously been pasteurized. The creamery gets milk from a large territory and all is mixed together. Consequently it is practically impossible to get skim milk from a skimming station or buttermilk from a creamery that is free from germs of tuberculosis. Don't feed either of these products unless they have been pasteurized.

Leave Plowed Land Rough. Fall plowed land should be left rough in practically all cases. It is not desirable to disk or harrow it down until spring because this would tend to make it pack or run together too much.

Preventing Spoiled Silage. There are a number of causes of spoiled silage, but none that can not be prevented or greatly lessened by precautionary measures.

**STANDS OFF A LOT OF DOCTOR BILLS**  
 Recommends Pe-ru-na for Catarrh of the Stomach, Colds and Grip



"I have used Pe-ru-na for several years and can heartily recommend for catarrh of the stomach or entire system. I always get benefit from it for colds and grip. It stands off lots of doctor bills and makes one feel like a new person."  
 R. P. SUTTLES,  
 R. F. D. No. 2, Box 61, Wayneburg, Kentucky.

It is wise to keep a bottle of Pe-ru-na in the house for emergencies. Coughs and colds may usually be relieved by a few doses of Pe-ru-na taken in time. Nasal catarrh, indigestion, constipation, diarrhoea, rheumatism or other troubles due to a catarrhal condition of the mucous membranes all call for Pe-ru-na as the successful treatment. The health building, strength restoring qualities of this well known remedy are especially marked after protracted sickness, the grip or Spanish flu. PE-RU-NA is justly proud of its record of fifty years as health protector for the whole family.

**TABLETS OR LIQUID** **SOLD EVERYWHERE**


**Wise is Youth.**  
 A few evenings ago, a little girl, three years old, was enjoying some Mother Goose jingles on her father's knee. Little Bo Peep was being rehearsed and when the place was reached where, in the rhyme, it says "bringing their tails behind them," the father purposely changed it to read this way, "bringin' their tails before them," and noticing the surprised look on her face said, "I made a beestake, didn't I?" She promptly answered, "No, it was a sheepstake."

**Risky Talk.**  
 "Air like wine—"  
 "Shut up. Do you want to get us arrested?"—Louisville Courier-Journal.

**What Minute of the Day.**  
 Wife—"I'll be ready in a minute, dear." Hubble—"Would you mind saying what minute of the day that'll be?"  
 Of two evils some people choose both as samples.

**Don't Be Penny Wise and Pound Foolish**  
 Don't think because you can get a big can of Baking Powder for little money that you are saving anything.

**There's Only One Way to Save on Bake-Day, Use CALUMET**  
**The Economy BAKING POWDER**



—It costs only a fraction of a cent for each baking.  
 —You use less because it contains more than the ordinary leavening strength.

The sales of Calumet are over 150% greater than that of any other baking powder.

**BEST BY TEST**

**THE WORLD'S GREATEST BAKING POWDER**

**WESTERN CANADA Big Wheat Crops**

Canada is the world's greatest producer of wheat—second only to the United States—yet only about 12% of the tillable area has been worked. Yields of 40 bushels of wheat per acre are not uncommon. Oats have given as high as 100 bushels per acre, while 40 to 50 bushels per acre are ordinary yields of barley and rye in like proportion. Cattle and horses thrive on the native grasses which grow abundantly and corn and sunflower culture are highly successful.

**Stock Raising, Dairying and Mixed Farming**  
 secure for the industrious settler ample returns for his energy. Clearing the cost of one's farm with a single year's crop has an appeal, and has been done by hundreds of Western Canada farmers. Taxes only upon land (not on improvements). Perfect climate, attractive social conditions, good neighbors, churches, schools, telephones, excellent markets and shipping facilities make life happy as well as prosperous.


For illustrated literature, maps, description of farm opportunities in Manitoba, Saskatchewan, Alberta and British Columbia, reduced railway rates, etc., write

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 Authorized Agent, Dept. of Immigration and Colonization, Dominion of Canada

**160 ACRES FARM IN WESTERN CANADA FREE**

**10c Saves Need Buying a New Skirt**  
 Putnam Fadeless Dyes—dyes or tints as you wish

**CONSTIPATION**  
 Take a good dose of **Carter's Little Liver Pills**—then take 2 or 3 for a few nights after. They cleanse your system of all waste matter and regulate your bowels. Mild—as easy to take as sugar. Genuine bear signature—Bent's Food. Small Pill. Small Dose. Small Price.



An Era of Publicity. "You don't mind having the name of your automobile painted in box-car letters on a tire cover?"  
 "No," said the motorist, "although it's true that I'm a rolling advertisement for the manufacturer who made it, but I have to draw the line somewhere. If my tailor ever asks me to wear his label where all who run may read, I'm going to refuse."—Birmingham Age-Herald.

**DYED HER DRAPERIES, SKIRT AND A SWEATER WITH "DIAMOND DYES"**

Each package of "Diamond Dyes" contains directions so simple that any woman can dye or tint faded, shabby skirts, dresses, waists, coats, sweaters, stockings, hangings, draperies, everything like new. Buy "Diamond Dyes"—so other kind—even perfect home dyeing is guaranteed, even if you have never dyed before. Tell your druggist whether the material you wish to dye is wool or silk, or whether it is linen, cotton, or mixed goods. Diamond Dyes never streak, spot, fade, or run. So easy to use.—Advertisement.

Doing good is the only certain happy action of a man's life.—Sir Philip Sidney.

"O Happy Day" sang the laundress as she hung the snowy wash on the line. It was a "happy day" because she used Red Cross Ball Blue.—Advertisement.

The quickest way to win a man's respect is to let him know you think him a wonder.

Confidential. Advices to lovers of advanced season corn-on-cob: The first hundred ears are the hardest.—Life.

**Important to All Women Readers of This Paper**

Thousands upon thousands of women have kidney or bladder trouble and never suspect it.

Women's complaints often prove to be nothing else but kidney trouble, or the result of kidney or bladder disease. If the kidneys are not in a healthy condition, they may cause the other organs to become diseased.

You may suffer pain in the back, headache and loss of ambition. Poor health makes you nervous, irritable and maybe despondent; it makes any one so.

But hundreds of women claim that Dr. Kilmer's Swamp-Root, by restoring health to the kidneys, proved to be just the remedy needed to overcome such conditions. Many send for a sample bottle to see what Swamp-Root, the great kidney, liver and bladder medicine, will do for them. By enclosing ten cents to Dr. Kilmer & Co., Binghamton, N. Y., you may receive sample size bottle by parcel post. You can purchase medium and large size bottles at all drug stores.—Advertisement.

Too Much. "Is it possible that after your father had deeded the old farm to you in return for your promise of a good home for the rest of his life, you turned him out?"  
 "Certainly! I told him I wasn't running an asylum for fools."—Kansas City Star.



Poor Lubrication is Cause of Much Tractor Trouble.

sometimes advisable to wash it out with about a quart of clean oil and drain it out before the new oil is put in.

### Good for Killing Lice.

The oil removed from the crank case contains a great deal of dirt and particles of metal and therefore it should not be used for lubricating other machinery. Some farmers use the old crank case oil for killing lice on hogs and it has proven very good for this purpose except on white hogs with tender skins.—J. W. Sjogren, in Charge of Farm Mechanics, Colorado Agricultural college.

### HORSERADISH GROWN IN FALL

Makes Most Rapid Growth During Cool Months and is One Crop Not Injured by Freezing.

Cool weather in autumn is the time that horseradish makes its most rapid growth. It is another one of the root crops that is not injured by freezing. Extreme hot weather this summer did not seem to injure horseradish plants that were given a good start in the spring. The plants will stand both extremes of temperature. Where storage space is limited they may be left in the ground until spring. Some dig them late in the fall, but often old-timers leave them in the ground all winter.

### SWEET CLOVER FOR PASTURE

Will Withstand Frost, Drought and Grasshoppers and Produce High-Class Food.

For pasture, sweet clover is probably without an equal. Its ability to withstand frost, drought and grasshoppers, and produce an abundance of high-class feed throughout the growing season places it in a class by itself. Many farmers are learning that this hardy legume will solve the problem of food for their stock, and at small expense.

### BUTTERMILK HAS BIG VALUE

More Breeders Are Beginning to Realize Worth of Feed for Hogs—Animals Thrive.

More and more breeders are realizing that buttermilk has a value in the feeding of hogs greater than its food value would indicate. Animals fed buttermilk seem to thrive exceptionally well and be remarkably free from disease.

**BAYER** *Genuine*

**ASPIRIN**

SAY "BAYER" when you buy. Insist! Unless you see the "Bayer Cross" on tablets, you are not getting the genuine Bayer product prescribed by physicians over 23 years and proved safe by millions for



Colds	Headache
Toothache	Rheumatism
Neuritis	Lumbago
Neuralgia	Pain, Pain

Accept only "Bayer" package which contains proper directions. Handy "Bayer" boxes of 12 tablets—Also bottles of 24 and 100—Druggists. Aspirin is the trade mark of Bayer Manufacture of Monocetoneester of Salicylicacid.