

# What are Peps

provide a new treatment for colds and lung troubles. are little tablets made up of Pine extracts and medicinal oils. When put into the stomach, these medicinal ingredients turn into healing vapors, are breathed down direct into the lungs, throat and bronchial tubes. The Peps treatment is a Swallowing cough mixture into the stomach, to cure colds and disorders in throat, lungs, is indirect. Peps are strengthening the treatment of and their price is within the of all. All dealers, 50c. box. stamp for FREE TRIAL PACKAGE.

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Fletcher's Castoria is strictly a remedy for Infants and Children. Foods are specially prepared for babies. A baby's medicine is even more essential for Baby. Remedies primarily prepared for grown-ups are not interchangeable. It was the need of a remedy for the common ailments of Infants and Children that brought Castoria before the public after years of research, and no claim has been made for it that its use for over 30 years has not proven.

### 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 Comfort—The Mother's Friend.

**GENUINE CASTORIA ALWAYS**

Bears the Signature of  
*Chas. H. Fletcher*  
**In Use For Over 30 Years**  
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Full weight of tea in every package

## RED ROSE TEA "is good tea"

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## GIRLS WANTED at The Andrews Wire Works.

Good wages, short hours, light and pleasant work and cheerful surroundings, light and sanitary workshop.

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A full line of Plumbing and Heating Goods will be kept on hand at all times.

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## SOMETHING ABOUT MILK

Mysteries and Marvels in Its Production and Life.

**How Milk is Secreted—Thunder Does Not Sour Milk, But Bacteria Does the Business—Agalactia, or Absence of Milk, Occurs More Frequently With Cows Than in the Females of Other Live Stock.**

(Contributed by Ontario Department of Agriculture, Toronto.)

**A** CONDITION known as "agalactia," or absence of milk in the mammae at the time of parturition, probably occurs more frequently in cows than in females of other classes of stock. It may occur in a female in any condition as regards general health, general care and surroundings. The causes, or conditions to which it is due, are not well understood. It occurs even though pregnancy has been apparently normal and has reached full term. It is probably more frequently seen in females which have not bred for a long time, or in those which have produced their first young, though themselves aged. While it may occur in an animal under any conditions, there are conditions that appear to predispose an animal to the trouble. In such cases there appears to be a want of development in the lacteal apparatus, which may have been caused by previous or present chronic disease of the udder, a chronic lessening in bulk, called "atrophy" of the udder, exhaustion following disease, severe labor, insufficient food, either during or immediately after pregnancy, natural debility, emaciation, etc.

The mammae is usually small and soft, and attempts to milk produce only a few drops of a yellowish fluid, in some cases followed by a few drops of a whitish, watery fluid. Treatment is frequently unsuccessful. It consists in feeding liberally on easily digested milk-producing food, massaging the udder frequently and stripping the teats three or four times daily. Great attention should be paid to the digestive organs in order to keep them as normal as possible, and the patient should be kept so that she will take considerable exercise. The writer's experience has been that the administration of drugs is non-effective.

In many cases the gland becomes perfectly inactive, and remains so until after the next parturition, when, in most cases, it becomes normal.—J. H. R., O. A. College, Guelph.

**How Milk is Secreted.**  
No one knows exactly how the cow secretes milk. Various theories have been put forth explaining the process, but none of these are entirely satisfactory. About all we know is that milk is a true secretion of the mammary glands located in what is known as the udder, more commonly called the "bag" of the cow. It is made from blood.

In order that the cow may have plenty of blood, out of which she may manufacture milk. She must be in a healthy condition, be supplied with plenty of pure air, and water, and have an abundance of the right kind of feed.

Some cows are unable to make milk abundantly even though the owner does all he can be expected to do for his cows. In these cases, it is the fault of the cows—they have not the power within themselves of making milk from their feed. They seem to change their feed into blood which is used as a basis for manufacturing beef, instead of milk. In addition, there are cows which apparently do little or nothing with their feed—they neither give milk in paying quantity, nor do they become fat. These are classed as "boarder" cows, and are very unprofitable for a farmer to keep.

The only way to know for certain whether or not a cow is able to secrete milk in paying quantity, is to weigh the milk from each cow for at least three days in each month. Also test the milk for fat at least twice during each lactation period. In this way, the owner may select the good from the poor cows, and thus build up a profitable herd for dairy purposes.—Prof. H. H. Dean, Ontario Agricultural College, Guelph.

**Why Milk Sours.**  
It is a common impression that thunder sours milk, but this is not so. The reason that milk sours is that minute plants, known as bacteria, act on the sugar in milk, changing it into lactic or milk acid. One scientist, however, says this explanation is not satisfactory. He regards the souring of milk as a result of feeding on milk sugar by the lactic acid germs, leaving behind them what is known as sour milk.

No matter what the true explanation may be in detail, we believe that souring of milk is caused in some way by "germs" or bacteria which are microscopic plants that fall into milk from the air, and get in from many other places.

Like all plants, they must have air, suitable temperature, and moisture, in order to grow. The common plan of preventing the milk going sour is

to cool it to 32 deg. F., as soon as possible after milking and keep it cold until it is used. The reason for this is, the cold makes an unfavorable condition for these plants to grow, hence the milk remains sweet, though sometimes it takes on bad flavors, or develops disease producing germs. In order to prevent this, we "pasteurize" milk in order to kill the germs present, by means of heat. If it is cooled and kept cold after heating, the milk will keep sweet for some time and is free from disease germs. This is known as the safest kind of milk to use. "Safety First" is a good rule when buying milk.—Prof. H. H. Dean, O. A. College, Guelph.

### MORE MILK WANTED AT LESS COST

By using Cane Mola, the ideal food for live stock, your milk supply will increase 15 to 25 per cent. Cane Mola is 100% Pure Sugar Cane Treacle.

Mixed with hay, straw, ensilage, screenings, etc., it makes a palatable and nourishing ration.

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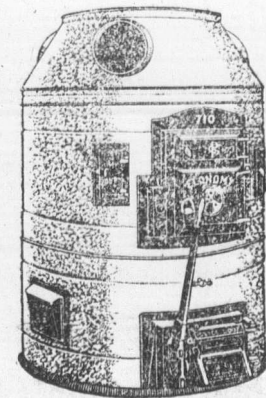
### The Canadian Poultry Situation

No branch of food production has suffered during the war to a greater extent than that of poultry and eggs. In many countries of Europe it has almost disappeared, while in others scarcity of food and high prices and the closing of markets have compelled serious reductions of poultry flocks. The need thus created is regarded by Mr. W. A. Brown, chief of the Poultry Division of the federal live stock branch, as Canada's opportunity to pave the way for a permanent place in the export trade to Great Britain. Mr. Brown expressed this opinion at the first Canadian National Poultry Conference, held in Ottawa this year, the report of which has been published and is available at the publications branch of the Department of Agriculture at Ottawa. It was strongly urged at that conference that this is the time of co-operation. The provinces were recommended to co-operate with the Dominion as the great clearing house of operations calculated to promote the industry. The poultry industry was recommended as a means of soldiers' re-establishment by Mr. W. J. Black, Chairman of the Land Settlement Board. He expressed the hope that we would see a small flock of poultry about the homes of every returned soldier who becomes settled on the land.

An interesting experiment on the effect of electrifying wheat before sowing it has been carried on since last November in Kent, England. The wheat which was so treated showed a marked difference, according to the London Times, being much the more vigorous in growth and habit, and promising, so far as the experts present were able to judge, a yield of at least 20 per cent higher than that of the untreated plot. There were evident signs of rust, too, in the untreated crop, and it was a significant fact that the other plot was, at the present stage, entirely free from his disease.

Read the Guide-Advocate Want Column on page 4.

## INSTALL A Pease "ECONOMY" FURNACE



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Come in and talk it over.

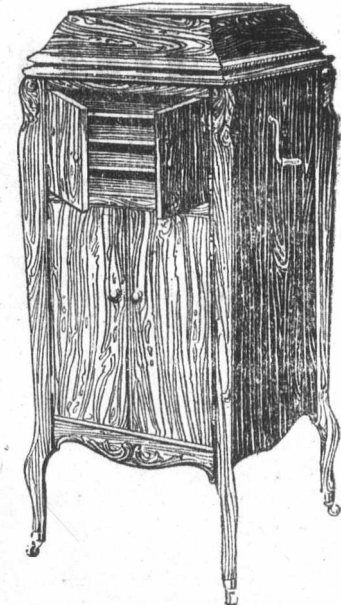
**C. H. BUTLER**

### WINTER IN ALGONQUIN PARK

As a winter panacea for coughs and colds Algonquin Park cannot be equalled. Two thousand feet above the sea it is always dry and cold, and unusually bright, and no matter how cold it is the man with a sweater will never suffer. Days spent in snow-shoe tramps through primitive forests, in the breathless flight of the toboggan or ski, and in the ring of steel against the ice-bound waters of some lake; together with evenings spent in social converse around the cosy warmth of an old-fashioned log fire; these slip away unnoticed but those who have once experienced them return to their avocations with renewed energies, with hardened muscles, and a grateful memory that forever blots out all thoughts of the relaxing South. The "Highland Inn" owned and operated by the Grand Trunk Railway offers comfortable accommodation at reasonable rates. For all particulars apply to N. T. Clarke, Manager, Algonquin Park Station, Ontario.

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