

IMPORTANT READING MATTER SELECTED FROM THIS WEEK'S NEWS FOR THE GUARDIAN'S SATURDAY SUBSCRIBERS

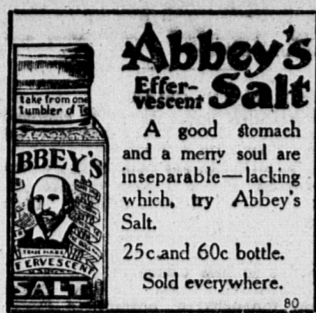
ANGER TO PUBLIC HEALTH FROM DISEASE

(Continued from page 3.)

ADHER TO THE CREAM GLOBULES.

In regard to butter we find that the specific gravity of the tubercle bacilli is greater than that of ordinary milk, yet the proportion of the bacilli in the top-milk is found to be greater than in any other part of the milk owing to the tenacity with which they adhere to the cream globules, so that in cream and butter they may occur in greater concentration than they do in the milk from which they are derived, yet, not only so, but it is found that no better medium for the preservation of the life and virulence of the tubercle bacilli exists than butter. Hence the necessity of seeing that the cows from which we derive our milk are free from tuberculosis. In experiments made by Schroeder and Cotton, of the Bureau Experiment station, Washington, D. C., "Butter was made from the milk of a cow affected with udder tuberculosis. After salting at the rate of one ounce of salt to a pound of butter, the butter was kept without ice in a cellar in which the temperature remained fairly constant at 60 degrees F., and from time to time, up to one hundred and sixty days from the making of the butter, guinea pigs were inoculated with portions of the butter. More than sixty guinea pigs were thus inoculated, and, with the exception of five that died prematurely and one that was killed, all died of generalized tuberculosis, and the one that was killed was also found affected."

The whey which is returned from the factory is fed to the swine, and the hog next to cattle is most frequently affected with tuberculosis. Swine tuberculosis is, without doubt as a rule, to be ascribed to feeding milk of cows suffering from tuberculosis of the udder, or dairy by-products especially the centrifugal skim of such milk.



A good stomach and a merry soul are inseparable—lacking which, try Abbey's Salt. 25c and 60c bottle. Sold everywhere.

HOGS INFECTED WITH TUBERCULOSIS

Inspection during last autumn showed 10 per cent of the hogs examined to be affected with tuberculosis. How many of our infants may have been similarly infected, particularly those children who have suffered with diarrhoeal troubles where the vitality of the child was reduced owing to indigestion? How many times do we inquire into milk as a cause of enlarged glands and peritonitis? I have had cases in my own practice that I did not report because the evidence was only circumstantial and with many links wanting, still with my present knowledge I believe they were due to bovine tuberculosis.

Let me mention one instance that came under my notice. In 1889 I attended a child, three years of age, with meningitis. The surroundings were healthy, the house they occupied was nearly new, the family history unclouded. This child was a bottle-fed baby. While in attendance I mentioned the fact to the father that it was unaccountable to me how the child became infected. The father informed me that this child had been fed on the milk of a cow which proved afterwards to be diseased. However, without veterinary examination, we could not say whether the disease was tubercular or actinomycosis. I did not pay much attention to the subject of bovine tuberculosis at that time, but I remember that the lower maxillary bone was not infected, but the retro-pharyngeal glands were enlarged and some of them broken down. Dr. W. H. Pethick tells me that, as in persons, the glands of cattle break down if the infection becomes mixed.

Soon after the death of this child a sister, eight years old, developed enlarged cervical glands. Under treatment and being kept home from school she recovered. Four years later the eldest son, aged twenty-two, died of tuberculosis of the lungs. The other eight children of the family are still living and in good health.

THE EVIDENCE IS NOT POSITIVE.

Regarding the two last mentioned cases the evidence of how the disease was contracted is not positive, for the girl eight years old was attending school and mixing with other children, the son twenty-two years of age had left home was in boarding houses, and also taught school, still I cannot help thinking that the infection came from the one source, and that the guilty one was the diseased cow.

With those facts before me I think that there is one end of the subject of tuberculosis that is sadly neglected. The people are fairly aroused as to the necessity of care of sputum, cleaning houses, and proper disinfection of human tuberculosis matters. They are educated along the lines of living in fresh air and taking plenty of good food, but on the other end of the subject there is very little said. If an outbreak of typhoid fever takes place in the community, we at once inquire into the source of water and milk supply. If a case of small-pox comes into our midst the authorities are on the alert to root out the epidemic, but with this insidious, slow, creeping disease, often chronic, that may attack us so stealthily and in so many ways, we are indifferent.

I think you will agree with me that it is a matter of the first importance that we have milk thoroughly inspected. I have already stated how long a time the tubercle bacilli will live in butter and cheese. You know that butter is put on the market as soon after it is made as possible, and that is the way we like it for our use. I have shown you that cheese is put on the market long before it is three months old, so that the very condition in which butter and cheese are out on the market and prepared for our use, encourages the presence in them of this dread disease.

THE REMEDY SHOULD BE IN FEDERAL HANDS.

Now what ought to be done to remedy this? In the first place I do not think that it could be properly done by any municipality or city as the product may have been manufactured hundreds of miles away from where it is consumed, therefore, it is just as necessary for the people of Halifax to see that butter made in Prince Edward Island is pure, as it is for the residents of the island. This should be a federal matter. The government is spending money in making inquiries as to why our oysters are becoming depleted, they look after the prevention of infection of all nursery stock, they have experts in the Maritime Provinces encouraging farmers and educating them along the line of sheep raising; they bonus our steel industries; all this affects our commercial interests and is, confessedly, necessary and proper, but, is it not equally necessary, nay, of infinitely more importance, that the milk fed to our babies, the butter and cheese we eat ourselves, should receive more attention? Are not our babies of more value than fruit, or sheep, or oysters? To whom specimens of milk could be sent from time to time. These would have to be in some central places. To educate the people the government might establish stations in the different provinces, just as they did when the cheese industry was first started, these continuing for three years under their supervision.

EXAMINATION BY A MUTUAL ORGANIZATION.

Regarding the examination of cows with the tuberculin test, if 1500 head of cattle, as in the factory I mentioned, were insured by a mutual organization, the premium paid to be sufficient to pay the loss sustained by the parties having infected herds, it would make the burden less, and parties owning tuberculous cows would have less hesitation in reporting suspicious animals. I feel sure that the price obtained for the products of an article that could be certified pure would command a figure above that of the ordinary article that would easily pay the premium on insured cows. In short, purity of the butter and cheese would command for it a higher value in the markets, but all this would take time. It is our duty as medical men to keep hammering at this subject by articles written for the public press, and lectures delivered on the dangers to which we are exposed. When it is shown in other branches of industry that pests destroy our property we at once try to remedy the loss. The health of infants and adults should receive more attention than property.

Let's make a Jelly Roll—With FIVE ROSES flour.

Its Strength and Fineness hold your batter together in the long well-greased pan. Bakes evenly.

Smooth Texture—soft, golden Crumb, spongy, porous, yielding. No holes, nor lumps to vex you.

And when you turn it out on the damp napkin hot and savory, and you spread the under side with "jell"—

It doesn't get soggy nor crumbly. Roll it gently, carefully. Not a crack—not a break. Perfect Smoothness—a Perfect Roll—Yours.

Bake anything, make anything. Use FIVE ROSES—bread and pastry. Melting puff paste—flaky pie crust—crinkly fritters—tooth some rolls. FIVE ROSES for anything—everything. Be flourwise.



Five Roses Flour

Not Bleached

Not Blended



LAKE OF THE WOODS MILLING COMPANY, LIMITED, MONTREAL

Hay's Hair Health

Restores color to Gray or Faded hair—Removes Dandruff and invigorates the Scalp—Promotes a luxuriant, healthy hair growth—Stops its falling out. Is not a dye.

Hay's Hairina Soap is unequaled for Shampooing the hair and keeping the scalp clean and healthy. Also for red, rough chapped hands and face.

REFUSE ALL SUBSTITUTES

For sale and recommended by E. A. Foster, Sunnyside, successor to A. W. Reddin.

GRAY HAIR MAKES YOU LOOK OLD

Use Wyeth's Sage and Sulphur and Your Gray Hair Will Quickly Vanish

Gray hair is a mark of age, and nothing that can be said as to its beauty will effect the disadvantages of this mark of age set upon your brow.

Wyeth's Sage and Sulphur Hair Remedy darkens the hair and restores it to its youthful beauty. Our grandmothers and their grandmothers before them used sage and sulphur for darkening their hair. Nothing has ever been found more effective for this purpose than these two time-honored remedies, but Wyeth, a modern chemist, has combined the two with other ingredients which makes a delightful dressing for the hair, and which not only removes every trace of dandruff but promotes the growth of the hair. It also stops the hair from falling out and makes it beautiful.

All druggists are authorized to refund the money if it fails to do exactly as represented.

Don't neglect your hair and don't resort to old-time hair dyes. Get a bottle of Wyeth's Sage and Sulphur from your druggist to-day, and notice the difference in your hair after a few days' use.

This preparation is offered to the public at fifty cents a bottle, and is recommended and sold by all druggists.

Special agents MacKinnon Drug Co., Corner Kent & Great George Streets, and E. A. Foster Sunnyside.

FOXES FOR SALE

Two Newfoundland Silver Fox dogs pure descent pedigree. Correspondence solicited.

W. H. KELLY, Box 171, No. 4 Sydney, C. B.

Portraits

I will receive orders for Pastels and Oil Paintings by A. Alex. MacLeod, the noted New York Artist. Write me for prices and other desired information.

J. A. S. Bayer PHOTOGRAPHER

New Prowse Block Charlottetown

LET GEORGIE DO IT

Introduced by EMMA JANVIER in Klaw & Erlanger's production

"THE SILVER STAR"

Writers of "That Italian Rag" and "Way-Down in Cotton Town" The Big Song Hits THIS Season

Words by EDGAR LESLIE

Music by AL PIANTADOSI

1. Last year, when con-sin Geor-gie from the coun-try came to call, I 2. Last night the folks were all a-sleep, as qui-et as a mouse, When 3. The oth-er eve we went to see a mel-o-dram-a play, The

made him go a-long with me, to see a burg-lars game of ball; Tho sud-den-ly my moth-er said, "There's burg-lars in the house," Tho first act showed us how the lead-ing la-dy ran a-way.

play-ers wan-gled as to whom the um-pi-ro should be, So held a hur-ried meet-ing and I heard my fa-ther say, "Till vil-lain still pur-sued her and he al-most drove her wild.

I sug-gest-ed that the teams let Geor-gie of-fer ee-... Geor-gie go down stairs and chase those burg-lars a-way. In de-spair she shout-ed out: "Won't some-one save my child."

eve-ning eight-teen doc-tors came to fix up Geor-gie's face. And face- stead they stole his silk pa-ja-mas, then they stole his gun. And gun- Geor-gie said, "Oh! par-don me, im-ag-ine how I feel." And feel.

cap-tain said, he was n't... An ar-gu-ment took place... That burg-lars saw him com-ing... They did n't start to run... In vil-lain said "You Run-myl... This act-ing is n't real." Then

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CHORUS.

And Geor-gie did it!... Tho crowd be-gan to shout... A And Geor-gie did it!... Oh! yes, in-deed he did... With And Geor-gie did it!... He made the vil-lain stop... He

play-er ran to see-ond base and Geor-gie said: "You're out!"... The gun in hand, he went to find out where the burg-lars hid... The said "re-leas-her in-stan-tly, or else I'll call a cop!"... The

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Let Georgie Do It.

No. 227.