TUBERCULAR HERD

culosis among the cows, a report re-

ceived by the United States Depart-

ment of Agriculture discusses a topic

of unusual interest in practical dairy-

ing. The insidious nature of tuber-

tion difficult to establish and other

variable factors make the study of

this question very complex. But in the

case reported the evidence indicates

that in two years the spread of bo-

vine tuberculosis caused a reduction

in the milk of the herd, which aver-

aged about 10 cows, from an annual

production of 111,179 pounds to 82,-

173 pounds. The decrease in income

from the sale of milk amounted to ap-

Officials of the bureau of animal in-

dustry, United States Department of

Agriculture, point out that the indem-

nity paid for tuberculous cattle de-

to be a means of hastening tuberculo-

sis eradication. However, in the light

of the foregoing figures the reduced

income from a tuberculosis herd may

proximately \$870.

danger to mankind.

Plan to Maintain Dairy

yet reached full development, and,

therefore, such a herd will seldom

equal in average production per ani-

mal a herd that is maintained wholly

by purchase. At the same time, a greater degree of uniformity of type

may be maintained where the animals

are raised. If land is abundant and

cheap, the cost of raising a calf, up to

the time that she becomes a fully de-

veloped cow, will be less than that of

purchasing a similar animal outright.

Through force of circumstances by far

the greater number of dairymen must

rely on raising the calves necessary to

maintain the herd. This being the

case, the ordinary dairyman will need to provide himself with the services

of a bull suitable to produce useful

dairy cows. In most cases he will

need to own this bull, as the question

of the selection and care of the breed-

sources and which grow the more rap-

idly as the temperature at which the

milk is handled rises. In order to limit

the change in the milk to the mini-

mum, it is necessary to limit both the

the growth thereof. In seeking to ac-

complish the former, the milk produc-

er is faced with the question as to the

relative importance of the various

sources of bacteria, for upon the an-

swer to this will depend the place

where improvement should begin. Im-

portance is measured not only by the

number of bacteria a particular

source may supply but by the kinds as

well. Some kinds grow well in milk

as usually handled, others very slowly

or not at all. Since bacteria produce

results only as they grow, it is evident

that the latter will be far less im

portant in their effects, although as far

as original numbers introduced, one

might be led to regard them as more

Dairy Facts

Alfalfa and silage form the basis of

Well cured hay or green food is

necessary in the ration of dairy cat-

the best ration for bred helfers.

important.

hair.

ing bull has an important bearing upon

the maintenance of the dairy herd.

Bacteria Chief Factor

SERIOUS MENACE

# FEATURE DEPARTM

Section Devoted to Attractive Magazine Material

were safely rid of the whole affair.

"I know what I'll do!" he cried at

last. "I'll disguise myself. -I'll make

my horns so long that people will

So he set to work. And, biting off

some slender grusses, he bound them

to his stubby horns with threads from

a spider's web which he found in the

Then he looked at himself in a pool.

"I'm a Long-horn now!" he ex-

claimed. And he was greatly pleased

horns and advised him to have them

Meanwhile the strange messenger

had disappeared. It was said that he

And there was great excitement

throughout Pleasant valley. A good

many of the field people stopped at

Farmer Green's dooryard and told

Kiddle Katydid that they thought he

"You might have had the honor of

"No, thank you!" he replied to all

such remarks. "I'm willing enough to

let Leaper the Locust do the honors.

And unless I'm much mistaken he's

trembling in his shoes this very mo-

Then the field people would shake

their heads and say that they didn't

understand. Wasn't everybody glad

to have company once in a while?

And wouldn't it be a pleasure to talk

with strangers who came from some

crops were where they lived, and what

But Kiddle Katydid only said mys-

want strangers to talk to, there'll be

plenty of them in this neighborhood,

imagine what he meant. They made

a good many guesses. But there was

always somebody to point out some

flaw and upset every calculation. So

at last everybody stopped guessing

and admitted that he had no idea as

to what Kiddle Katydid had in mind.

It was just another one of his secrets.

And people might as well wait patient-

mon Owl agreed to that. "Time will

WHEN I WAS

TWENTY-ONE

BY JOSEPH KAYE

At 21:-Ovide Musin, Belgian violin

master, introduced the ensemble music

"WHEN I was twenty-one, at the

I organized a quartet called the 'Quar-

tette Moderne,' the idea being to play

"I am proud to say that this organi-

zation was the first to play the en-

semble music of Johannes Brahms be-

fore the public in Paris. These se-

ances, given in the Hall Phillipe Herz,

were always crowded. It wasn't a

large hall, seating about 500 people,

but ideal for chamber music. The first

two rows were always reserved for

"At the close of one of these con-

certs I was told that there was a man

in the audience who would give a hun-

dred thousand francs to see me, and

he mentioned the king of Hanover. At

first I was puzzled, then I saw the

light. I recalled that the king was

blind. I did not find the price exorbi-

the king of Hanovet and his suite.

works by modern composers.

suggestion of Gustave Sandre,

of Brahms to Paris.

Well, Kiddie's neighbors couldn't

receiving the guests," they said.

had gone to meet the other travelers

and guide them to their cousin, Leaper

the Locust.

ment."

head.

the weather was?

if I'm not mistaken."

had made a mistake.

think I'm somebody else.



#### LEAPER IS WORRIED

KIDDIE KATYDID looked on hap-A pily while Leaper the Locust struggled to free himself from the clutches of the messenger who had delivered the mysterious message that had caused some unpleasantness. But Leaper was no match for the stranger. In the end he had to accept the mes-

"Now," said the stranger, "your cousin and his family will reach here by tomorrow at the latest. So you'd at the sight of himself—he who had better be making arrangements to once scoffed at Kiddle Katydid's better be making arrangements to welcome them.

"Remember! Have plenty of food



"I'm Willing to Let Leaper Do the Honors."

cousin's family have to go hungry they'll be pretty angry with you." "I don't believe I need to worry," Leaper Locust remarked carelessly. "If they don't like what I have they can go without, for all I care."

Though the stranger sald nothing in reply to that, he glared at Leaper in a threatening fashion which haunted him all the rest of the night.

"I wish I had never heard of this horrid message!" he exclaimed at last. "I wish I had never laid claim to it. It's going to cause me trouble, I ly to see what happened. Even Solo-

The more he worried over the visit of his unknown cousin the more eaper the Locust wished that he

BE THE BEST

By DOUGLAS MALLOCH

(There have been many requests for this famous little poem by Mr. Malloch. Here it is, as revised by the author.) F YOU can't be a pine on the top of the hill

Be a scrub in the valley—but be The best little scrub by the side of the rill.

Be a bush if you can't be a tree. If you can't be a bush be a bit of the grass,

Doing something for somebody's If you can't be a muskle then just be a bass.

But the liveliest bass in the lake. We can't all be captains, some have to

be crew, There's something for all of us here. There's big work and little for people

And the task we must do is the If you can't be the highway then just

be a trall, If you can't be the sun be a star. For it isn't by size that you win or

Be the best of whatever you are!
(@ by McClure Newspaper Syndicate.)

SOMETHING TO THINK ABOUT By F. A. WALKER

upon the tablet of time that the passage of years cannot obliterate or

Once made, whether ugly or beautiful, coarse or fine, this mark endures far-off place, and ask them how the forever, becoming a part of your character, your soul, your spiritual and physical self.

It becomes a familiar signature by teriously, "Walt a bit! And if you which you are known favorably or unfavorably to the world, your friends and associates.

It passes current for good or evil, for friendliness or enmity, for enterprise or inaction.

found to be the master key that unlocks the great door of happiness or misery, or the gate that opens to the fertile fields of usefulness or to the barren soll where nothing grows but tares and poisonous weeds.

When you get up in the morning with a scowling face, with nerves awry from a night ill spent, you are in a mood to make an unsightly, scratchy record in your Doomsday

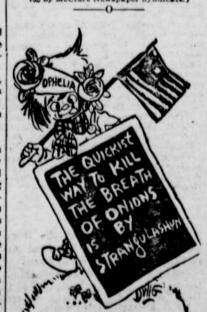
days.

You may be able vaguely to recall what you wrote, but the exact shade of the meaning of each word and sentence has escaped you. The tone or color is gone as well as the impression

you would give all you possess to retouch it and make a change in a few dexterous strokes which you feel now

tant.-Ovide Musin." TODAY :-- Ovide Musin is one of the greatest teachers of the violin in the world. In his younger days he was a famous virtuoso, and made two tours around the world with enormous success. But now his success is equally great as a teacher. He is coauthor of that noted musical pedagogic work, "The Belgian School for Violin." He lives in New York.

(@ by McClure Newspaper Syndicate.)



# Make no mark today that you will

book that will wound the heart of a friend or obstruct in the least your path to a clean and noble life, even though in following this high resolve you may be forced to make humbly many personal sacrifices; for after all the world's empty vauntings humility is the price which all humans must pay for honor, glory and fame. (6) by McClure Newspaper Syndicate.)



"The Pilgrim Fathers must have

Our Exacting Employees plain cook; one who has no objection to kitchen work."-Boston Transcript.

GROWING CHICKS NEED CLEAN PEN

Costs of poultry production can be owered by raising big hatches just as the cost of pork production can Prepared by the United States Department | be reduced by the raising of big lit-Showing that milk production in a ters. Heavy mortality among chicks can often be prevented by timely obherd began to decline almost simultaservation and care.

neously with the development of tuber-By the time they are a week old the chicks should be allowed, in the ordinary season, to run out doors. Confine them in small yards at first or until they learn where the heat culosis makes the time of first infec- is to be found and they will go in and out of the brooder house freely. In the early spring the yard should be inclosed in muslin-covered frames which later can be supplanted by poultry netting or lath. As the chick grow, the yard should be enlarged sufficient ly to keep them on green grass. Once put on free range, there is likely to be difficulty in feeding the chicks unless they are kept apart from the hens. The same difficulty arises when chicks of different ages are being raised close together. To avoid interference by the older chicks or hens, the younger ones should be fed in small movable pens, says N. E. Chapman, poultected by official testing is well known try specialist at University farm at St. Paul. The sides of the pens may be made of lath placed so that the lower strip is high enough to permit the entrance of the smaller chicks, but low enough to keep out the larger

equal or even exceed the mount of indemnity ordinarily paid. This loss, the Pullets will grow more rapidly if officials conclude, should be as great separated from the cockerels when an inducement as the expected indemabout eight weeks old.Cockerels that nity for having the test applied are to be sold as brollers should have promptly so as to check the ravages the run of a small green yard while of the disease, economic losses, and being prepared for market.

#### Open Type of Equipment

Useful for the Chicks Herd by Raising Calves There are two good reasons why An excellent method of maintaining ome open type of equipment is useful the herd is by raising calves to supply in raising young chickens. They are: the place of old cows that are no Need for more room than is supplied longer profitable. Such a herd will always contain a considerable numby the regular equipment and need for a house that can be thoroughly venber of young animals that have not

tilated in hot weather. A house can be cheaply constructed that will be of meterial help in successfully growing out young chickens. For a small flock this can be made six feet square and a board roof extending from six inches to a foot over the inclosure. The framework of the house may be made of 2 by 2-inch pieces if floor is necessary, as the house can easily be moved.

On a small house the side walls do not need to be over two and one-half feet high, which will make it somewhat higher in the center. Low roosts should be provided so the chicks may be comfortable and be off of the

protection which the chickens need is from storms and rodents and other pests which bother mostly at night.

#### Transmit Tuberculosis

From Poultry to Stock in Changing Milk Odor Some thought should be given by The chief factor in changing the taste and odor of milk is the bacteria poultry raisers, particularly in the dairy districts of northern Illinois, to which are introduced from many the probability of finding tuberculosis in their poultry flock. It has been definitely proved, as described in the Orange Judd Illinois Farmer, that tuberculosis may be transmitted from poultry to other live stock or from number of bacteria introduced and other live stock to poultry.

If chickens show distinct white spots on the liver it is safe to be very suspicious that they have tuberculosis. In case of any question on matters of this kind it is possible to send specimens to the state universities and arrange to have technical examination

### Mash Brings Forth Eggs

It's the mash that is going to influence the egg yield, yet if hens have their choice of grain or mash, they may slight the mash. By giving them a light feed of grain in the morning, their hunger will drive them to the mash hopper and hence to the nests. One hundred hens should consume 12 to 15 pounds of scratch grain daily, two-thirds of which should be given them at the night feeding. Let the fowls go to roost with a full crop.

#### Feed for Ducklings

Equal measures of rolled oats and bread crumbs, with a sprinkling of about 3 per cent sand, will make a good starting feed for incubatortle to cause the annual shedding of hatched ducklings. This can be fed three times per day until the fourth day, when a mash composed of equal parts of rolled oats, bread crumbs. bran and corn meal will produce good results. A mash recommended after the first week consists of three parts bran, one part low-grade flour, and one part corn meal.

> How to Handle Roup Roup in chicks is successfully handled as follows: Remove all alling birds from the rest, to check the spread of the disease. If over-crowded in houses, relieve the condition, giving the light varieties like the Leghorns three and a half square feet of floor space per-bird and the heavier varieties four square feet. Provide good ventilation without direct drafts. Wash the eyes and nostrils with 3 per cent boric acid solution, afterwards greasing the head.

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Good cream is clean cream, cooled. Place the freshly skimmed cream in the cooling tank, at once and see that

LODGE DIRECTORY

# 

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# THE WHY of SUPERSTITIONS By H. IRVING KING

# STIRRING TO THE RIGHT

IF YOU want to have your bread or cake come out of the oven light always stir the dough from left to right-that is "clockwise" or "with the sun." Also in freezing ice cream or churning milk with a crank churn, always turn from left to right.

This superstition is a remnant of sun worship and the movement from left to right is what is called the "ceremonial circuit." Not only in stirring cake but in dealing cards do we preserve the "ceremonial circuit" though it would seem much more natural to deal the other way. But the "ceremonial circuit" is the path in which the sun god moves and the direction in which those processions of priests and people, his votaries, moved when celebrating his rites, either at Heliopolis or Stonehenge. Stirring from left to right is merely an unconscious, inherited form of invoking the sun god to see that your cake, or your game of bridge, comes out in a satisfactory manner.

( by McClure Newspaper Syndicate.) 

# How It Started

By JEAN NEWTON

#### EATING A "DRUMSTICK"

WHEN chicken is being served and there is a small boy at the table there is almost certain to be a demand for the "drumstick." If he is a polite little boy he waits, of course, to be consulted, or takes what is given to him. But that the drumstick is the universal preference in matters of poultry, of the small boy, is well known.

To understand the use of this term to describe the lower leg joint or poultry, we have but to see the old type of contraption used for besting a drum. This was a stick with a balllike end with which the drum was struck. Although in most instances we see the tapering sticks used in performance today, the ball end type is by no means obsolete. And it is because of its similarity in shape to the joint with its stick-like bone on which the meat broadens out to a heavily rounded end, that the drumstick has bequeathed its name to the parlance of the table.

## MAKING YOUR MARK

E VERY day you are making a mark in any way modify or change.

As your life advances it will be

tell!" he said with a wise nod of his

book, which lies ever open before you. Be careful as you make the entries, for nothing can rub them out, not even tears or regrets. You may in memory turn back to the horrible blotches, scrawls and stains, but you cannot reopen the written pages themselves, for they are sealed till the end of your

you had meant to convey.

Among the many thousand follies,

insanities and eccentricities so often jotted down not one will return to you in its original dress, though at times

you are capable of doing. Let this impulse to do better control in the future your fever of thought and keep it cool, peaceable and pru-

regret tomorrow. Inscribe no word in your Doomsday

been a gay lot," says sapient Sally. "It says right in the histories, that they had at least one fast day every week."

Adv. in Exchange-"Wanted, a good

Cows tramping over the pastures in wet weather means less grass in summer, and we plend guilty, for it does not seem right to keep cows in the stable on warm spring days when they enjoy the sunshine so. If the cream is too warm, it will make soft, white butter. If it is too cold, it will be slow in coming to the butter stage. Cows giving milk rich in butterfat will yield a larger quantity of butter,

and the tob of churning will require less exertion. Cows need regular attention. You cannot expect much from animals which have good care one day and neglect the next. Be regular, also, with the milking Silage fed to cows an hour before milking leaves an odor in the milk

enced dairymen agree.

Helfers would be a lot less trying at their first freshening if they were more often got used to having their udders handled before the calves came,

Better feed it after milking, experi-

the tank is filled with fresh cool