

# EFFICIENT FARMING

## SOME THOUGHTS ON CULLING POULTRY

I cull the flock all the year, but particularly in the summer. My plan with poultry includes March hatching, in order to get early-laying pullets, and the culling of the old birds until the breeding flock over is composed of the best birds only. It takes twelve months to decide what are the best birds to keep for the breeding pen and summer culling is a very prominent part of the process of elimination. Starting with the pullets, which begin to lay in August and September, I band the earliest producers, and if these birds show up well during the year they are kept for the breeding flock next year. It does not follow, however, that the earliest layer will make the best breeder. There are other considerations to be taken into account.

I band all birds that become broody among the pullets, and add a second band as often as a bird repeats. The band that shows a desire to spend too much time upon the brooding nest is never kept for the breeding pen. She is sent to market. I find it is about as well to ship the fat hens to a city commission house, as my Rhode Island Reds bring good prices during the summer. Earlier in the season I cull out undesirable birds and dress them at home and find a retail market in a nearby city. This can be done to advantage during the slack season but during the summer there is too much to do on the farm, so I ship off the hens as rapidly as they are culled out. On the poultry place where a thousand or more hens are kept, there will be much culling, so we have a pen particularly for the culled birds. As rapidly as an undesirable bird is added to the culls. These birds are fed a fattening ration and shipped off to catch the best market.

Some of the points which I follow in culling, in addition to the broody test, are probably well known to most poultrymen.

I am always on the lookout for signs that indicate that a bird has passed her days of usefulness. Occasionally a bird will develop lameness, caused by some obstruction in scratching or by flying down from the roost. This may in time turn into bumble-foot, so I believe it is best to ship such birds. The lameness is nothing that hurts them for the table in any way, or if they are taken off right away, or in a while I find a bird that shows a lengthening of the upper part of the beak, or one that has had an accident to one eye. Such birds are usually better layers, but it does not pay to bother with them. Birds that show should have been laying for many months, are practically non-producers. During the spring and summer I cull out many birds that have handsome feathers, golden shanks and heads and a general air of good looks. Such birds are butterflies of fashion and the poultryman cannot afford to keep them.

The head tells a lot about a bird's productiveness. Get rid of the bird with the crow head. Keep the ones that have full bright eyes and red combs. The sunken eye is a sign of low vitality and indifferent productiveness. I pick up a hen and glance along her back. If the eyes stand out like buttons, she is probably a good one. Still, I do not wish to head that shows the heavy best-type of head.

The culling season extends from September to September. I usually find a few pullets early in the fall that I do not wish to keep, so I dress them and sell to the retail consumers, or, if there are enough of them—I may ship them off to catch the good prices that prevail around the first of October. Later, and all during the winter, the culling continues, then during the spring, I usually ship quite a bunch of hens. The summer is the time, however, when the cleaning out is finished, in fact, the greater number part of birds that are not to be carried over are sold during August and September. I try to get rid of poor producers as fast as they have passed their days of usefulness.—Chas. H. Chesley.

## RASPBERRY MOSAIC

For the past two seasons raspberry



Back to Work  
Kendall's Spavin Treatment will get that lame horse back on the job again. For more than forty years Kendall's Spavin Cure has been removing spavins, splints, ringbones, thoroughpins and all kinds of bony growths.

Only two or three plants should be left in each hill of melons, cucumbers and squashes. Wait until the work of the striped beetle is over, then thin the plants, leaving only the best to produce a crop.

To make a gallon of arsenical spray material take three level tablespoons of arsenate of lead and put it in a cup. Then add a little water and stir until you have a smooth paste, after which add to a gallon of water and it is ready for use.

ISSUE No. 27-23.

# The Sunday School Lesson

JULY 15

Simon Peter—John 1: 35-42; Matthew 4: 18-22; 14: 28-31; 17: 1-13; Luke 5: 1-10; 22: 31-34, 54-62; John 18: 10, 11; 20: 1-10; 21: 1-23; Acts 2: 1-5, 42; 8: 14-25; 9: 32 to 12: 19; 15: 7-11; Gal. 2: 11. Golden Text—Lord, thou knowest all things; thou knowest that I love thee.—John 21: 17.

LESSON SETTING—Our study this week is the life of Simon Peter. It is the study of a great character in the making, of a great leader in the making, of a man who was to be a great leader in the making.

**I. PETER RECEIVING HIGH PRAISE, MATT. 16: 13-18.**  
V. 12. The coats of Caesarea Philippi. "Coats" means vicinity of Caesarea Philippi, which was a city away from the sea of Galilee, and lying at the base of Mount Hermon. Jesus comes here to find a place of retirement with his disciples. The times are critical with Jesus. The multitude suggests to them John the Baptist or Elijah. His compassion reminds them of the tenderness of Jeremiah, Jer. 9: 1. Whom say ye that I am? This is the vital question. Simon Peter answered. Peter is usually first in word and action. Christ, the Son of the living God. The greatness of this answer is its acknowledgment of Jesus as Messiah.

**Vs. 17, 18. Blessed art thou, Jesus.** Is deeply stirred by the answer. It is more than a confession of faith. It is an acknowledgment of Jesus as Messiah. He seeks to explain him by the past. His boldness of speech suggests to them John the Baptist or Elijah. His compassion reminds them of the tenderness of Jeremiah, Jer. 9: 1. Whom say ye that I am? This is the vital question. Simon Peter answered. Peter is usually first in word and action. Christ, the Son of the living God. The greatness of this answer is its acknowledgment of Jesus as Messiah.

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**II. PETER RECEIVING STERN REBUKE, 21: 23.**  
V. 21. From that time forth: from the time that Jesus' Messiahship is an acknowledged fact in the disciple's mind. To show unto his disciples, it is one thing to recognize Jesus as the Messiah; another matter to understand that Messiahship must be realized. This is what Jesus must teach his disciples now. That he must go into Jerusalem, His Messiahship is a suffering Messiahship. Jesus does not speak of this suffering as a human foreseen and calmly faced. Raised the third day. It is to be a triumph.

**Vs. 22, 23. Peter took him.** Peter is startled by this announcement, and his horror at the thought, grasps the hand of Jesus. Begun to rebuke him; a loving protest against the thought. What Peter says he says from true love of the Master. Get behind me, Satan. Peter's infidelity is behind him. Last very long. An offence. The foundation stone has suddenly become a stumbling block in the way of duty. Savoured not the things that he of God. "Thou thinkest that he of God." "Thou thinkest that he of God."

**III. PETER RECEIVES A GREAT COMMISSION, JOHN 21: 15-17.**  
Vs. 15-17. When they had dined; scene—shores of Galilee. Time—after Peter's denial and Christ's death and resurrection. Lovest thou me more than these? not more than the other disciples, but more than the other boat and the old fishing life to which Peter had gone back. Thou knowest that I love thee. Peter speaks to Jesus' knowledge of his innermost heart. In spite of his denial, he loves Jesus and he knows that Jesus had once called Peter to be a fisher of men. Now he called him to be a shepherd of those who are weak, as Peter himself had once been. Jesus' way of showing Peter that he was forgiven was to call him again to service. He saith . . . the third time; no reference in this threefold question to Peter's threefold denial, but only an impressive way of recalling Peter to a great commission of love and service.

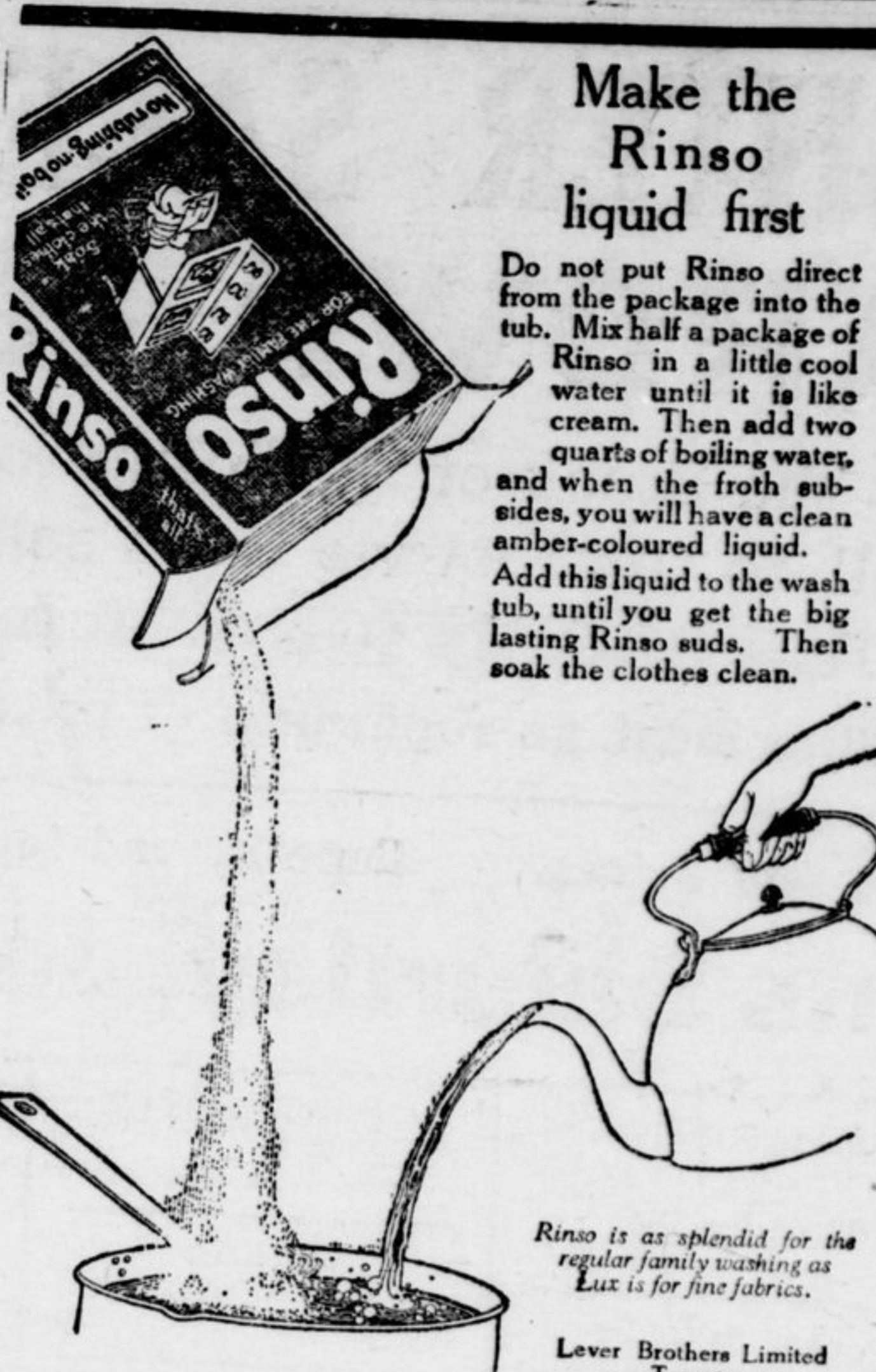
**APPLICATION.**  
A Great Confession. Some people are at their best when they utter their "first thoughts." A great preacher complained recently that too few Christian people acted upon their first impulses, but rather weighed everything so carefully that they became a statement of his belief about Jesus. Peter gave utterance to his first thoughts, and said, "Thou art the Christ, the Son of the living God." V. 16. That was the answer for which Jesus longed. He knew that the scribes and Pharisees hated him, and the common people, though they admired him, had no conception of his Deity. But had risen to the supreme thought of God's purpose in Christ.

**Control of Wireworms.**  
An outbreak of wireworms is reported in some parts of the country. Relative to this pest the Chief of the Division of Field Crop and Garden Insects of the Dominion Department of Agriculture, in his pamphlet on "Wireworm Control," says that the insects occur most frequently in bottom lands, in soil poorly drained, and in pasture lands. Susceptible crops, such as potatoes, corn, onions, etc., planted in sod land, frequently suffer at their best, when they utter their "first thoughts." A great preacher complained recently that too few Christian people acted upon their first impulses, but rather weighed everything so carefully that they became a statement of his belief about Jesus. Peter gave utterance to his first thoughts, and said, "Thou art the Christ, the Son of the living God." V. 16. That was the answer for which Jesus longed. He knew that the scribes and Pharisees hated him, and the common people, though they admired him, had no conception of his Deity. But had risen to the supreme thought of God's purpose in Christ.

**Opportunities in the Veterinary Profession**  
If you desire to enter into a profession you should consider what the new field of Veterinary Science has to offer. Graduates have splendid opportunities for a successful career. You should inquire. Session Begins October 1st, 1923. Write for bulletin and calendar to C. D. McGilvray, M.D.V., Principal Ontario Veterinary College GUELPH ONTARIO

**July.**  
Lazy haze and golden dawns of July. To lie and dream near a running stream. In the wood hard by. To do and dare, to love to share. The things I may. With all the folks for whom I care. Along the way. To learn, and yearn for all the best. Life holds in store, July gives me a rare bequest. I ask no more. —Floord Meredith.

**Beadle Fans.**  
The beadle fan is an English invention, in which the revolving blades are made with curved surfaces of a peculiar form, which impel the air in a direction parallel to the axis of the fan. It is said that virtually the whole power is utilized in making the air "travel," and very little is simply churning it up. It is believed that the invention finds practical application in the propellers of ships and airplanes.



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## The New in Nutrition.

A short time ago we figured out the proteins, carbohydrates, fats, and the calories in foods and made up a balanced ration therefrom. This was the basis upon which we learned to feed our animals and we thought we had things down pat. We also tried it out with humans, but the great obstacle is that too many of us will always eat what we want rather than what we ought.

However, these balanced rations did not always work, and expert experimentation on rats, guinea pigs and such like, indicated that what we believed to be perfect foods were not as perfect as we thought they were. It was found that these otherwise perfect foods lack in the vital essentials of food, the vitamins.

Now these vitamins are something new as far as the name is concerned, but we have been eating them all our lives and did not know it. It just goes to show that we can not always tell just what we are eating.

But as mysterious as these vitamins are to us ordinary eaters, food experts are showing, by the feeding of foods containing these life-giving ingredients, that they can produce healthful results; and by eliminating them from food, they can cause disease.

Since the findings of the experimenters many of us are eating yeast to put zest in life and are renewing our interest in cod-liver oil as a weight increaser. Tomato juice is being imbued with greater enjoyment, and hen fruit, sunny side up, will more frequently adorn our tables. Milk will supplant other beverages and green vegetables are gaining a new importance. All this is because of the vitamins they contain.

These successful tests in nutrition indicate that perhaps in the future visits to the doctor he will hand us a bill of fare instead of a prescription. Of course, his other bill will also be presented, as usual.

But in all seriousness, the discovery of these new things in nutrition is undoubtedly a great step forward. These findings will add greatly to our efficiency, to our real enjoyment of life, and to the results we get from live stock feeding, if we will but use them.

A weekly change of water in the radiator of a tractor is good for the cooling system.

He—"It's awfully sweet of you to want to know when I have my vacation so you can arrange accordingly." She—"Yes. I want to take mine when you're working."

**There Are Times When You Need Music More Than the Multiplication Table**  
Dr. A. E. Winship, of Boston, hit the nail on the head when he said in the course of a recent address, "It is beyond anybody's power to tell what has meant to our country to have boys and girls learn to sing, for you sometimes need it as much as you need the multiplication table or the ability to spell 'eleemosynary' or 'idiosyncrasy.'" I wonder if any of you men have ever walked by a graveyard on a dark night all alone. If you have, did you recite the list of irregular verbs? You whistled! That is the only thing on earth you do when you are there. There are times when you need a whistle more than you do the multiplication table. We want our boys and girls to get ready for just such opportunities. Get ready, for when you need the aesthetic side, you do need it."

Enlarging on this subject Dr. Winship said further: "Rightly used there is more discipline for mind and heart, more discipline for success and enjoyment, more discipline for character, in learning to sing than in learning any other branch. Thinking and singing ought to be companions. What the public school wants of singing as a branch of instruction is the greatest possible teaching of the art, intellectually and fervently as a means of providing the best manhood and womanhood."

**STORIES OF WELL KNOWN PEOPLE**  
The Prime Minister's Secretary, Mr. Stanley Baldwin and Lord Kipling are cousins, and heard the former, before he became Premier, tell a good story. It appears that a lady was discussing the English language with Kipling. "Don't you think it strange," she said, "that you are a native of the English language and a 'come together' and a 'sh'?" Mr. Kipling's eyes were answered: "Sure!"

**The Farmer's Boy**  
The Hon. John Oliver, Minister of British Columbia, his youth a Devonshire farm boy in Hertfordshire, England, began work as a farmer, was hard-working and thrifty, he married he cultivated. There he succeeded in his later entered politics. He was crowned a career of success by reaching the highest of land.

**Sir Alfred's M.P.**  
Sir Alfred Butt, M.P., members of the Tax on the mittens, used to wear a shirt watch-chain, and a watch. Some years ago the Lord London gave a reception, and mayresses, and Sir Alfred among the additional guests. Noticing a couple who were out of it, he made his fetching tea and so forth overheard Mr. Mayor say to a man who had been very attentive give him half a crown. "Nonsense, John," said Mayor; "a shilling will do."

**Canadians and Rain**  
Mr. W. H. Coverdale, of the Canada Steamship Lines, once found himself in an Australian. "I suppose," suggested the date during their conversation have a good many Canadian? "Canadians?" he replied. "Oh, yes. But rabbits are not."

**Royal Fire Fighting**  
The trio of fire-brothers, usually, came to the fire among his wedding party, surrounded him of his guests. Edward, who in his youth Prince of Wales, had a party for turning out at every fire. Often, to their no resentment, he would insist the firemen at their own love of courting danger. He is evidently a herald of our Royal family.

**How Wheels Originate in the Dim**  
As you listen to the noise along the streets or the crashing along the permanent you realize that none of it—nor a hundred others—possible if it were not for the wheel?

The wheel was old when still a new nation, and of origin there is an authentic. One theory goes back to period of cave-dwelling, occupation by in building. He would drag logs of the forests day after day at an angle against the cracks in the earth, thus affording himself shelter. It is thought that by circular branches as beneath the logs it was could be moved forward easily than by just lifting weight.

Another theory is that stone having a hole in the tract the attention of a intelligent than the rest of. Taking this up, he found could revolve it upon a stick it is thought, gave him the wonderful use to which put it.

**Safety First.**  
A deer old lady entered, and looked doubtfully at an assistant behind the counter. "I suppose," she said, "properly qualified chemist?" "Yes, madam," the young clerk. "You have passed all your examinations?" she anxiously inquired. "Certainly," he asserted. "You have never poisoned by mistake?" "Not to my knowledge." "Very well, then, you can pennyworth of cough drops."