

Address communications to Agronomiet, 73 Adelaids St. West. Toronts

Poultry's Dangerous Enemy.

Worms exist in poultry flocks in a short time, there is "nothing to them." Their combs, wattles and year after year on the same ground, the soil becomes saturated with the are absorbed into the intestines in several ways. Puddles of water around a well cause much trouble, for the chickens will drink this water as they always prefer dripping or running water, even if it is contaminated. The

testines swollen to twice normal size testines are latestines of one chickens will drink this water as they always prefer dripping or running water, even if it is contaminated. The grain and greens grown on this ground will positively transmit the tiny start of more worms to the growing pullets.

Practically all chicks, when hatched, are normally endowed with a few of these worms. These appear as very tiny white speeks, that grow and turn red, and serve as scavengers in different blind sections of the intestines. If kept at normal numbers, they have our approval, but when they become so numerous that they clog up the intestines, it is long past time when something drastic should be done to fight them.

It is easier to kill the excess of these worms when they are in the seed or germ stage, than when mature and hard. The lactic acid of buttermilk will do this. The trouble is, most of us don't realize what we are up against until the birds commence to die.

Another and common way fresh birds become infested is through the medium of the dropping board. Some poultrymen use a harmful "expeller," such as turpentine or tobacco, which merely spreads the worms on the dropping boards, for the other birds to fwhich she was unaware. But her

such as turpentine or tobacco, which ing, as using thier vices. I've seen merely spreads the worms on the blood dropping from a Leghorn pullet, dropping boards, for the other birds to of which she was unaware. But her scratch over and eat. Even if the mates knew of it. The time will come worms are dead, they are full of eggs, when more of us will put the growing and soon become a hotbed of propaga-

On cloudy or cold days a large per cutting the greens by machinery. roosts, or scratching on the dropping boards prevent the hens from getting the soft-shelled boards. A few minutes spent putting eggs, and thereby prevent them from wire over the boards will help vastly in fighting the worms, as well as preventing the hens from eating the soft-shelled eggs. this way, as the hens' feet are not soiled. This means fewer hours spent

soft-shelled eggs.

The first and greatest reason for at night, washing off stains. One hunog these worms from the very dred hens average from two and one-ning, is because of the food they from the flock, day and night. These are valuable, in the year's run. take from the flock, day and night. Standard growth for the breed, normal production of normally-shaped eggs are not the regular results when eggs are not the regular results when there is an excess of intestinal worms. The second reason is, the worms destroy and injure large numbers of the tiny, delicate cells lining the intestines. These cells play a major part in the final extraction of the blood-enriching nutriment in the previously-digested food, so that the chick is unable to receive any benefit from what little food the worms have not directly eaten. We must make every ounce of food count. Third, by taking the food, they starve the chick, so that it of food count. Third, by taking the food, they starve the chick, so that it without a steady supply of fresh, not only slows up in growing, but it is overpowered by lice, and weakened gallon to each sixteen to twenty layorther by colds. I have seen whole ers. Dry water dishes and red mites ocks ruined in just this way.

Birds with an excess of worms seem or lower. One party reported: "No flocks ruined in just this way.

eggs for four spring months." Red

Colds have many causes; worms are primarily to blame, generally, as they have so undermined the bird's health

And a cat with a tail as high as a sail, talked "meow-ow-" pumpkin grinned, "Glad I never ned and was always as meek

"Hoo-hoo-hoo," cried the owl with never a soowl, "A game I have for the kiddies, Donkey's tail is off, pin it on, and aloft, a fine game, too, for the widdies;"
When doorbells start to ring, and back

till you quiver and want to fall corati

Jack o' lanterns aswing, lights hob-

roam; ce a little brother sassed back at don masks.

in bed.

then I was a girl—a sort of a whird—a hobgoblin saw me one night, ashin' dishes on Hallowe'en, worstest est face I'd ever seen, popped at that winder in sight.

Taken by the hand and led downstairs. Those assembled will rise from the floor to meet the newcomers, and bow low. Seat the guests in a circle, and try to keep absolute silence. If any are inclined to whisper, point to your You are naturally fair enough pullets in the green patch, instead of shutting up the birds in a coop and

### The Vagabond Song. There is something in the autumn that

directyounce hen is helpless, no matter how well bred, or how good the laying mash, that it without a steady supply of fresh, She calls and calls each vagabond by

A big woodpile will be worth money

### THE CHILDREN'S HOUR

A "Spooky" Hallowe'en Frolic.

Of course, you will want to have the winds, and every one has a jolly

the winds, and every one has a jolly, frolicking time.

Have your guests wear the regulation Hallowe'en costume—a sheet and a white mask. Or the boys may come as ghosts, while the girls represent witches. Every one loves to dress up, and boys and girls talk more freely if they think their identity is not known. The masks can be oblong pieces of cloth, with slits for the eyes, lar, so the following may be copied and strings at side for tying around

any envelopes you may have on hand.
Write your invitation on this in white ink. The invitation might read:

with a touch of paste and the nuts with a touch of paste and the nuts and the other for the boys:

"Hallowe'en we'll celebrate
On Tuesday evening just at eight,
Come as a 'spook' and don't be late."
The first part of the evening should be a very quiet, "spooky" affair. Have the rooms lighted only with Jack-o' lanterns. You know it would not be nen doorbells start to ring, and back doors to swing, and ghosts tread lightly the hall, creep and a shiwer down your back till you quiver and want to fall

pumpkins. When the guests begin to arrive, goblins bring, be good in your station a "spook" in the hall to open own happy home, the awful'st things, Jacks can another should stand in the upper hall sure bring, to boys and girls who and point out the room in guests are to take off their wraps and don masks. Neither should speak, but mother and a ghostess caught him each should wear a sign on which the in his bed, words, "SPEAK NOT," should be k him and shook him most out of printed. Each guest, when ready, his skin that bad little brother should receive one of these, then b taken by the hand and led downstairs

est face I'd ever seen, popped at that winder in sight;
heart pit-a-pat, didn't stop e'en at that, my face as white as a ghost.
d a pie-face was there, "No!"
"No!" "I wasn't scared" (?) that Hallowe'en night with that host.
Hallowe'en night with that hosts.

are inclined to whisper, point to your to be sight in end of the person who is a good story-teller should begin to tell ghost stories. Have the late guests detained upstairs until a tale is finished. Here is the details to suit yourself:

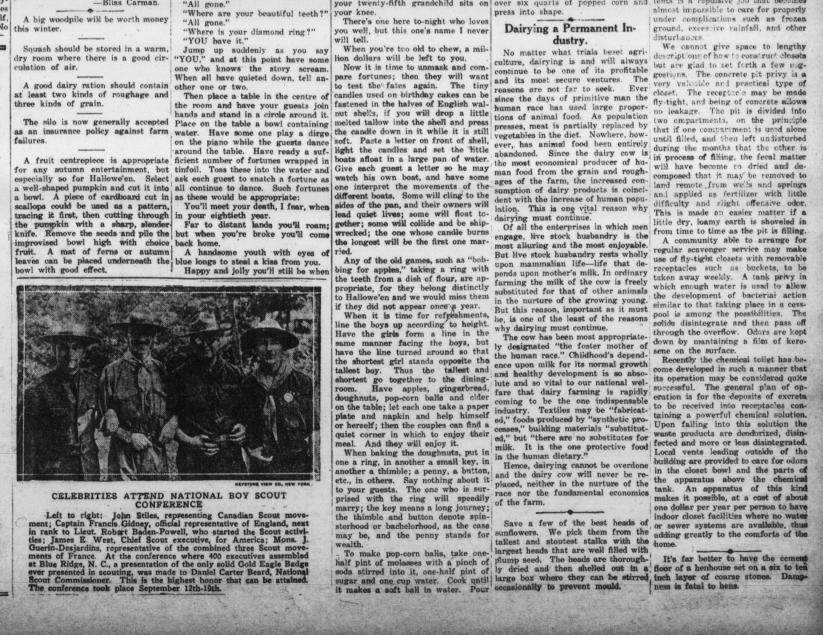
Before next moon shall wax and wane Your fate will meet you, it is plain;

lived alone in a great woods. The two elder sisters were very homely, But all will come out right at last. but Slyvia, the younger sister, was noted for her beauty, especially for You feel a restless longing—before refreshments are served. Reher auburn hair and her white, pearly discontent—move the bandage and to weird music teeth. Sylvia had a lover who had You think for bigger things that you produced by tin pans, whistles, etc., given her a large diamond ring. Now the eldest sister coveted both the lover and the ring, so one dark stormy night she killed Sylvia and hid her (Describe the storm and the hiding of the body.) One night a short time afterward, the eldest sister heard footsteps descending the attic stairs; a tall, white figure entered her room With the color in your cheek like white figure entered her room and stood beside her bedside.

"Who are you?" asked the sister.
"I am Sylvia," came the reply.
"Where is your beautiful hair?"

"Where are your beautiful teeth?" your knee

'All gone. "Where is your diamond ring?"



# Telling Fortunes at a Hallowe'en Party

But your capture now is near; And before your romance close You will be as meek as Mose

For the Boys

You will take up aviation, And, discarding boats and train, ou will travel over country

You will travel over In your private aeroplane

You'll be a farmer up to date,

late, But this delay you will not regret

You're saving up for a diamond ring

You think it's a secret—it's no such a thing!

The girls all like you;

Find your voice, Step boldly out -And make a choice.

Of reputation rare, You'll have a prize exhibit

You've such a winning way! You'll hold the crowds and sell th

goods,
And how you'll make them pay!

Brace up; perhaps real courage may Reverse your fate—who knows?

A taste for showy neckties
And for fashions up to date!.

If these go wrong it puts you In a very nervous state.

Cheer up, brother, wear a smile, Girls have never cared for moping: Cultivate a different style

If walnuts are not available, blind-

a time into a dimly lighted room just

to watch the others. When the for-

There's a picture that you carry-

You are looking melancholy,

A scientific farmer

You'll be a breezy auctioneer

omed to be a bachelor?

Too timid to propose?

Go in for agriculture

Make some little cakes in muffin or gem pans, dropping an imitation dia-mond ring (wrapped in waxed paper) into one of them. When ready to serve refreshments, place on a plate as many cakes as there are girls. Serve the cakes to the girls, and the one finding the ring is exected to be

As a modern farmerette, And you'll raise the biggest cabbag That the world has seen as yet. You have such an air and a fashior smiles,
If you'd go into business in Paris
To develop Canadian styles.

and strings at side for tying around separately and placed between the cut a witch from black paper, to fit The shells are then fastened together

## For the Girls

Get your "hope chest" ready, Never mind the cost; Living's high, but he or she who hesitates is lost.

You will have a proposal E'er forty-eight hours roll away. You needn't start humming You know it is coming
And you know very well what you'll

> You like the military And the navy you adore; A soldier or a sailor You never find a bore.

I see a little cloud in your sky; Engagement "showers" will fall by

Your love is dark and ruddy With a dashing black mustache. He'll ask you to elope with him, But do not be so rash!

"Once upon a time three sisters Your love will run neither smooth nor

the fortune seeker advances to a witch who is seated in a dim cave and re-ceives his or her fate, written on were meant: oman's day, let all your powers be spent body. To make you the first woman hiding President.

And a little smudge of flour on your

There's one here to-night who loves Dairying a Permanent Inyou well, but this one's name I never

## GROW NATIVE TREES

engineer who was doing some work in the centre of one of the second tier of counties northward from lake Ontario met a man who was fencing-in a hun-dred acre lot. The land was what is commonly known as a pine barren, area once covered by a pine forest area once covered by a pine forest but, since that was clean cut off and burned over, practically a useless waste. Any farms taken up in the area had been abandoned, and the re-peated fires and the running of cattle had up to that time frustrated the attempts of pine to come in again, although around old trees that had been left, clumps of young trees were

been left, clumps of young trees were bravely making a start.

Learning that he was talking to a forest engineer, the man doing the fencing proceeded to explain that he was a Canadian, who had resided a long time vin the United States, and that he had now come back to Canada to try his fortune growing soft-shelled walnuts on this cheap land. The forest engineer said that growing trees was a good investment, if a long-time one, but he asked, "Why plant soft-shelled walnuts?" "Because Mr. Blank" (naming a celebrated botanjet) personally assured me that they were the most profitable kind of trees. One personally assured me that they were the most profitable kind of trees. One has yearly harvests of nuts to bring

in money while his trees are growing to timber size."

"All that is true," said the forest engineer, "but Mr. Blank lives in California. I do not think he was ever in Ontario, and it is practically certain he was never in this country. Walnuts. he was never in this country. Walnuts will grow here, but they are native only along the north shore of lake Erie. That they would really thrive here is doubtful, and that is more nere is doubtful, and that is more particularly true of a special and probably tender variety. This land once grew some of the finest white pine Canada ever produced. In spite of fires and cattle, white pine is struggling, as you see, to cover the ground again; why not grow white pine, when nature is ready to meet you halfway? Walnuts are a gamble; pine is a

certainty. However the walnut man with his California guarantee was not to be dissuaded. He spent considerable money in planting soft-shelled wal-nuts, and is now back in the United States at his old job, convinced that forestry is a fraud. In the meantime, the white pine has continued to come back and in a few years there will be a county forest of fine young pine in the township in which his walnuts were a failure. plan to experiment with exotic trees, but as a business proposition to ter to start growing the best of our but as a business proposition it is bet coarse, brown paper and tied with black thread. Those who enter first are allowed to remain in a dark corner to watch the others. When the content to the others were the content to the c

tunes have been distributed the witch disappears to the clatter of pans, and One of the vexing domestic prob-lems of those who live in small vilthe guests all file into the dining-room lages is the disposal of human excreta. The common earth closet is always where they open and read their forunsatisfactory; disposal of the co your twenty-fifth grandchild sits on over six quarts of popped corn and tents is a repulsive job that becomes your knee.

There's one here to-night who loves

There's one here to-night who loves ground, excessive rainfall, and other

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