

## Cornstalk Disease

By M. Jacobs

Many letters are received at the Experiment Station every year from farmers throughout the State, asking for information with reference to the loss of cattle from pasturing on cornstalk fields. From the number of inquiries received, it is evident that the annual loss from this source is rapidly increasing, and the question has assumed considerable economic importance to the live stock interests of the State. The affection is usually referred to as "cornstalk disease." It has been studied by various investigators, and almost everyone has arrived at a different conclusion as to its cause. None of these conclusions can as yet be accepted. Some investigators are inclined to believe that there is close relation between this so-called cornstalk disease and a highly fatal infectious disease technically known as hemorrhagic septicaemia, but our observations do not warrant this belief.

In the interest of cattle feeders, the following facts and suggestions are presented.

1. Many cattle die in Tennessee every year as a result of pasturing on cornstalk fields.
2. Young cattle fed exclusively on cornstalk fields seem to be most commonly affected.
3. Stalks cut early and shocked and cured properly, do not produce any bad effects.
4. The foregoing fact indicates that stalks may undergo some change when allowed to remain in the field, which under certain conditions make them poisonous to cattle.
5. The nature of the poisonous substance is not thoroughly understood.
6. This is not a contagious disease.
7. The affected animal may die within from a few hours to several days after the symptoms begin to appear; death is most likely to occur within the first twenty-four hours.
8. After the symptoms have fully developed, treatment does very little good.
9. If the symptoms are recognized early enough, an active purge, with two pounds of Epsom salts or one quart of raw linseed oil for a mature animal, should be given. Later the animal may have difficulty in swallowing and then it is dangerous to drach.
10. It is always safest to cut the stalks early and cure properly, or, better, make into silage, before feeding.
11. If it is necessary to place cattle on a cornstalk field, the danger should be reduced by the feeding of a daily grain ration; and the cattle should be closely watched, so that they may be removed and treated promptly if any evidences of sickness appear.
12. Horses also are susceptible.
13. Experiments in the feeding to cattle of corn smut, the sooty disease common to corn, indicates that smut does not produce the so called cornstalk disease.
14. Indications point to the conclusion that the trouble does not occur on all cornstalk fields. It is therefore suggested that before the herd is put on a cornstalk field, a few less valuable animals be turned in as a test.
15. The Tennessee Experiment Station will welcome reports of any observations of sickness in animals fed on cornstalk fields.

## MASONIC INSTALLATION GIVEN PUBLICLY

Jasper, Tenn., Dec. 23.—On Saturday evening the Masons of Olive Branch Lodge gave a public installation, followed by a banquet. The following officers were installed: Worshipful Master, H. M. Deakins, Senior Warden, W. J. Hoge, Junior Warden, C. T. Williamson, Secretary, Will Price, Treasurer, L. B. Darr, Senior Steward, Dr. K. Shelton, Junior Steward, Geo. Dame, Chaplain, Albert Rankin, Tyler, John Myers.

Mr. W. J. Johnson installed the officers assisted by L. R. Darr as Marshal. Music was furnished by Miss Anita Hackworth, pianist, and Misses Irene Turner and Mabel Hoge violinists.

## Wanted—A Market.

Like any other business man, the farmer only wants a fair profit on his capital investment and a living wage for his labor. There is no better way of helping him make both ends meet than by giving him a profitable market for his products.

## To the Ladies

I make hair switches from combings. Rates, 50c per oz. Apply

MRS. I. NEWSOM,

R. F. D. 4, Box 46, St. Elmo, Tenn.

## BLALOCK'S SCATTERING DEAD SHOTS AT "BELLE" AND HER SCATTER GUNS

Editor News:

As Belle and her allies have laid the necessity upon me of shooting scattering dead shots, I do it thusly:

1. No, Belle, I did not try to make you out a liar, for you "did it yourself," and I only told you of it truthfully, for I never used the admission words which you falsely imputed to me, neither did I say "hades" in "several times translated grave," as you now falsely accuse me of, because it is only O-N-C-E so rendered, in 1 Cor. 15:55, and it is wrong there. 2. Had I admitted it was several times so translated that would not have committed me to it as a correct translation. 3. I know in Phil. 3:20, the Greek word, "politeuma," is translated, "conversation," when it no more means, "conversation," than it does "green cheese," for the whole text rightly translated reads: "For our well ordered republican government first began in the heavens, from whence we look also for the Savior, the Lord Jesus Christ." 4. One of the King James translators was an infidel, two of them were so called Puritans and forty-four of them belonged to the Church of England, and this infidel being best Hebrew and Greek scholar among them, they all bowed unto his scholarship as to meaning of Hebrew and Greek words, and he being really a poor English scholar, so rendered it, and was the first man of earth to render the Hebrew "Sheol," and Greek "Hades," by the word "grave," and he did it wrongly, too.

2. Your last explanation but adds insult to injury because: 1. In your first your assertion was positive that I said Hades meant o-n-l-y the grave, "the state of death," while your last says "it e-e-m-s to me that is admitting it means the grave," leaving off, "the state of death," for the reason that one meaning of "seems," is "specious," that is, your own specious, counterfeit, skeptical opinion of what I said, which idea you got from Russell, as I will now show.

3. Recently a lady in East St. Louis, Ill., clipped from some paper, a so called sermon by the so called "Pastor Russell," with his picture at head of it, and mailed it to me, for me to answer, and which I do here. Russell said: "Everything has been prepared for the establishment of the millennial kingdom upon the ruins of present systems." Yes, he says, "upon the ruins of present systems." My God! what a foundation for Millennial Kingdom to stand upon! According to Russell, the only foundation upon which the millennial Kingdom can stand is the ruins of the present systems. Any ten year old school boy knows that the present systems would make a far better foundation than their demolished, smashed, criss-crossed "ruins" would. Any and all persons who believe as Russell does, it is only because they know not God, neither His Kingdom nor its foundation, and their doctrines and all their religions are false. They are yet lost sinners, led captives by the devil at his will.

4. Of false, falsely, falsehood, lie, lied, lies, lying, liar and liars, God and His prophets, apostles and Christ to tell those who were guilty of them two hundred and thirty-four times in the Bible, and so I am in good company in so doing, too. We all do it in perfect good christianity humor, because we want to save people from lies, because we know all liars shall have their part in a lake that burns with fire and brimstone. The devil and his folks never give the lie on any false doctrine, no matter how false. They only give the lie when mad, and then they give it whether the thing is true or false. On being christians they are like the two "bobbed" boys, neither men nor boys, Bob Duckett and Jim Townsend, who were going a-courting. Bob said to Jim, "Now, Jim, when we get to courting them girls, it won't do for me to call you Jim, nor will it do for you to call me Bob, but you call me Mr. Duckett, and I will call you Mr. Townsend" like as if that would make them men, but it no more did so than it makes christians of my enemies for them to call each other brother and sister, yet they so call them in opposition to Christ's plain teaching, when He said: "Behold my mother and my brethren." "For whosoever shall do the will of My Father which is in heaven, the same is my brother, sister and mother." (Matt. 12:49,50) and I can easily prove that not one of my opponents have ever done that will, therefore they are not brothers and sisters to me—not one of them.

5. Belle, of me says, "Now, we know that he said that Hades is translated grave several times, and it seems to me that is admitting that it means the grave," in consequence of which I have just now gone over all my articles in the News, and find no such language of mine in any of them. Belle this statement of yours is as untrue and false as was your former false statement on me. I defy you to show any such statement of mine in any of my articles. You evidently have as little use for the truth as a hog has for side pockets. It must be as awful bad cases which requires one falsehood to bolster up another one with. Belle, please tell something at least half way like the truth on me. Don't impute words to me you know I never used, as you have now twice plainly done. How can I think you are any part of a christian? How can I think you are "truthful," with such plain glaring, false statements of yours before mine eyes? How can I have any sort of respect for Russellism, when it leads its advocates to so grossly and willfully mistake me?

## The Fairest Gem

By cities glorious with age,  
The wise men on their pilgrimage  
Passed as they sought the new-born king,  
The homage of their hearts to bring;  
By ancient temples, ruined towers,  
Thru wilderness and fields of flowers  
While charms of endless beauty lent  
The glory of the firmament.  
But though they felt the mighty sway  
Of fascination by the way,  
Of objects green, or gray with age,  
They did not stay their pilgrimage.  
Not held by any one of them,  
They sought the Child of Bethlehem—  
And as we near the Holy Night  
Of humble scenes and visions bright,  
A thousand little toys allure,  
A thousand little joys obscure  
The joy of which the angels told  
The shepherds watching by the fold.  
Of glory to our God above,  
The God of holiness and love,  
Goodwill to men, and peace to earth,  
And of the blessed Savior's birth.  
And though like pearls the little toys,  
And jewels all the little joys,  
They must not hide the fairest gem,  
The little Child of Bethlehem.

Arthur H. Rhinow, in Holland's.

For years before ever I heard of you I found the fruits of Russellism down in Alabama bad, awfully bad, and I am truly sorry that I find its fruits equally bad here. "By their fruits ye shall know them." "No being in heaven, hell or on earth ever knew me to misquote an opponent."

N. W. BLALOCK,  
Danlap, Tenn., Dec. 19, 1914.

## Large Hogs.

Sam Gill killed this week two of the largest hogs we have heard of in this county. The two weighed 1000, making them average 500 lbs. each. Mr. Gill rendered about 300 lbs. of lard out of the two hogs—Bledsonian, Pikeville.

Canton Lucerne, Switzerland, has 75,000 cows and 10,000 goats.

## TENNESSEE OAT CROP FOR 1914

Washington, D. C., Dec. 15.—The 1914 oat crop of Tennessee will amount to approximately 6,783,000 bushels, compared with a total yield of 8,300,000 bushels last year, according to estimates given out today by the United States Department of Agriculture. The acre yield this year is 32 bushels, and the product is bringing the farmers around 58 cents per bushel. Last year the average price was 53 cents per bushel.

The oat crop of Continental United States this year is estimated at 1,136,755,000 bushels, or about 15,000,000 bushels more than last season's yield. The average yield per acre in 1914 for the entire nation was 29.6 bushels and 29.9 bushels in 1913.

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## GOVERNMENT TO HELP TENN. HOG RAISERS

The modern method of solving agricultural problems by investigating them, not only in the laboratory, but also on the farm in co-operation with the farmer, has given such admirable results that it is being applied to the anti-hog-cholera crusade.

Congress has appropriated a half million dollars to carry on the work and experiments will be made in all parts of the United States. The aim will be not only to exterminate the disease in the test sections, but also to discover the most practical, efficient and economical methods for continuing the work throughout the country.

This investigation will fill a long-felt want in Tennessee, as the hog death rate in this State from cholera is 110 per 1000 head and hog raisers are losing an average of 153,000 hogs, valued at \$1,300,000, from this disease annually.

Charleston.

Special to the News.

We have had plenty of snow for a week. It is nearly all gone now and we are having plenty of rain. We are having a rough winter.

There is considerable sickness at present. Dr. P. C. Grayson is very low at this writing and not expected to live. He is 63 years old and he was born and lived in Sequachee Valley until about two years ago and he is with his daughter, Mrs. W. W. King at present. If he dies they will take him back to Red Hill in Sequachee Valley to bury him.

Mrs. W. W. King has been very sick but is some better at present. S. F. King is very sick at present. Mrs. Nora King is also on the sick list.

Cecil Alexander moved in his new home Tuesday.

Joe Sneed and Miss Minnie Plank were married last week.

Ernie Womack and Miss Flossie Hayes were married Sunday.

Mrs. Becky Buckner died Friday and was buried Saturday. It certainly was a bad time to bury a person as it rained all day.

Mrs. Hannah Hickman has been visiting her parents, Mr. and Mrs. W. W. King, the past week.

Wishing all a Merry Xmas, I will ring off.

A Massachusetts men has perfected apparatus that permits wireless messages to be received without the use of the telephones and records them on wax phonograph cylinders.

## GIFT LADEN PINATAS.

### Unique Holiday Frolic Which Delights Children of Mexico.

About ten days before Christmas in the City of Mexico, the pinatas in the Calle de San Diego begin to grow festive with evergreens, flowers, bright berries and other greens brought in from the mountains by the peasants to delight the eye and tempt the purses of the promenaders in the booths of the neighboring Calle de San Juan are displayed fruits, nuts and candies, and still others offer angels, shepherds, sheep, mules, oxen and other objects suggestive of the Savior's birth.

Probably the greatest attraction for the Mexican children are the pinatas. Peddlers may be seen strolling along the streets carrying long poles which are strung with varicolored pinatas of every description, draped with tinsel. These represent flowers, fruits, animals and even men and women, and each contains a jar-filled with goodies. They range in price from 35 centavos to several dollars, according to their degree of elaborateness.

The pinata is suspended from the ceiling or hung in the court yard. All the family gather around it. A child is blindfolded, turned around several times, then given a stick and told to find and break the pinata. If he falls after three trials to locate it he surrenders to the next in turn, and so on until a lucky blow shatters the pinata and the contents fall, to be scrambled for.

## IRL R. HICKS' 1915 MAGAZINE

The Rev. Irl R. Hicks Almanac, now ready, grows more popular and useful with each passing year. It is a fixed necessity in homes, shops and commercial establishments all over this continent. This famous and valuable year book on astronomy, storms, weather and earthquakes should be in every home and office. Prof. Hicks completes this best issue of his great Almanac at the close of his seventh year. The Almanac will be mailed for 35 cents. The Rev. Irl R. Hicks fine Magazine, Word and Works, is sent one year with a copy of his Almanac, for only one dollar. Send for them to Word and Works Publishing Company, 301 Franklin Ave., St. Louis, Mo. You will never regret your investment. Try it for 1915.

"What Hicks says" is a slogan all over the country. We will furnish this fine Almanac, including Word and Works Magazine for 75c additional, to the price of the News, or \$1.25 for both papers and almanac. Send a dollar bill and get the News six months, Word and Works one year, and the almanac.

By saturating the body of animals with certain essential of a German university professor has found that he can study their internal structure even better than by using X-rays.

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