

Farm and Garden

BLACK ROT OF CABBAGE.

Recognized by Blackened Veins of Leaves—Treatment Recommended.

Black bacterial rot of cabbage, says a bulletin of the Connecticut agricultural experiment station, occurs on a number of related cruciferous plants, but we have reported it from this before only on cauliflower. While we did not see it on cabbage until last season, it seems quite probable that it has caused more or less harm to this host before, since it has been reported as quite injurious in several other eastern states in times past.

This disease is recognized by the blackened veins of the leaves, where the bacteria develop chiefly, and in time extend down into the head. The leaf tissues finally turn yellow, and the leaves are easily pulled off. Soft rot, caused in part by other organ-



Photo by Connecticut experiment station. BLACK BACTERIAL ROT OF CABBAGE.

isms, often loosens them at the base and develops an ill smelling internal decay. The bacteria gain entrance through drops of water at the water pores on the margins of the leaves. As the germs of this disease can be carried on the seed, it is wise to see that the seed used does not come from a diseased crop. If doubt exists it is well to treat the seed with formalin, 1-240, or corrosive sublimate, 1-1000, for fifteen minutes. Likewise, if the disease shows up in a seed bed, this should be changed the next year. If bad in the field this land should not be used for cruciferous crops for several seasons and, even if the disease is not present, yearly rotation is desirable where it can be carried on without special difficulty. Refuse from dis-

used cabbages should never find its way to the manure pile.

WHY BURN UP WEALTH?

According to some authorities, the value of plant food removed from the soil per bushel of wheat is about 30 cents for average yields. The plant food elements contained in straw are sometimes returned to the soil when they come, either in the form of straw or mixed with farm manure where it has been utilized for bedding purposes. It is not plain why the farmer should spend so much time and energy striving to raise large yields of grain and straw and then waste about one-half of the net profit of the crop. There should be some means of utilizing that portion of the wheat crop which heretofore has been burned on a large percentage of our farms. —Kansas Farmer.

Good Plant Protector.

To be made from bottomless barrel, especially for early squash or the main crop in the far north.

Two covers are made from one barrel, which is sawed in two, with a slant through the bilge of the barrel extending to upper and lower hoops. Tie a string about the barrel and mark with a pencil for a guide to saw by.

Cover each half with a piece of muslin, which is held in place by the top hoop if easily removed, otherwise by tying a string about the barrel.

Its usefulness may be prolonged by putting on a hay wire for a bottomless hoop.

Fasten near the bottom with double pointed carpet tacks or small wire nails.

Any sized cask may be used suited to the plant. From a paint keg to a puncheon — American Cultivator.

What Makes a Good Cow?

Professor W. J. Kennedy of the Iowa station recommends the following in reference to the selection of breeding stock for the dairy:

In selecting dairy cattle the real test must be the scales and the Babcock tester. The cow is a machine to convert food into milk. Thus she must have a large middle and a strong constitution to insure the best results. She must also have a large udder, large milk veins, large crooked milk veins and good sized teats.

What Makes the Good Bacon.

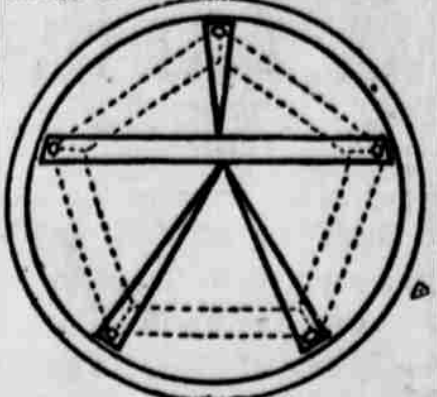
Of course you like the big, juicy, red and white streaked strips of bacon. But you may not know that this kind of bacon is produced by feeding ground barley mixed with skim milk.

Soaked barley alone is an excellent hog feed. Barley also is good for sheep and as a feed for horses and cattle is nearly equal to corn.

FOR A SILO SCAFFOLD.

Directions for Making Necessary Part of Concrete or Tile Structure.

Should any one be thinking of building a concrete or tile silo the accompanying cut might help in building the scaffold. After the foundation wall is laid get five poles at least eight feet higher than you expect the silo to be. Set inside of the wall deep enough to hold poles in place.



Heavy lines, 2 by 4's; dotted lines, boards to work on; five small circles indicate position of support poles.

the silo as high as you can from the ground; then take 2 by 4's or 2 by 6's and build frame for scaffold as shown in cut.

Leave plenty of room for poles to work easily; then floor as shown by dotted lines in cut. Attach a pulley to each pole and raise when ready. Then spike a piece under scaffold on pole. One scaffold does it all. The scaffold should have just play enough to let it slide up easily. Sometimes if it is too loose a wedge to hold it firm while at work should be put in.

The idea of having the poles longer than the silo is high is to get pulleys high enough for last raise. — National Stockman and Farmer.

Chicks Need Cleanliness.

Drinking dishes and feeding troughs for chicks are likely to become dirty and insanitary unless special precautions are taken, according to Professor J. G. Halpin of the College of Agriculture of the University of Wisconsin. Drinking water should never be placed in common dishes or vessels where the chicks may get in with both feet, but "sanitary" fountains, either homemade or purchased, should be used. These should be cleaned and scalded at frequent intervals. Wet mash when fed in wooden troughs mold unless all feed is scraped off and the troughs are placed on end so that they may dry in the sun. Neglect of these two simple matters may cause considerable loss.

THE MESSAGE IN THE BOTTLE

A Romance That Began in a Most Unusual Way.

"You are acting like a ninny, sir. I am very much disappointed in you."

The words were spoken by old Marshall Humphrey to his son Joe, who had reached the age of twenty-five, which his father considered ample to show that he was exactly what that father wished him to be. And what his father wished him to be was this: First, he should be devoted to business and predisposed to carry on the concern his father had built up; second, he should marry and bring forth a son; through whom all this growth of wealth could be transmitted. To the old man's chagrin, the boy would have nothing to do with the business and showed every symptom of becoming a confirmed bachelor. Since he was an only child he was old Mr. Humphrey's sole hope.

Joe Humphrey, matrimonially considered, was like a wild animal that needs to be caught and tamed, after which it loves its master devotedly. Leaving his father to nurse his disappointment, he went to his boathouse, intending to have a pull in his boat on the river. Just as he was about to embark he saw something red dancing on the wavelets among some rushes near by. Getting into the boat, he gave a couple of strokes, seized the red thing and drew out a bottle of pickles, as he supposed, the red thing being sealing wax covering the cork. It was a pickle bottle, but no pickles. Breaking the seal, he shook out a card, on which was written, "Irma Whiting, aged eighteen years, six months and twenty days." Tucked to the card with a bit of thread was a lock of auburn hair in circular form. Below this was the address.

There was nothing to explain why the articles had been placed in the bottle. If there had been there would be no story. Nature has laid a number of traps to insure the propagation of the human species, but the one she keeps for a starter is difficult cases is curiosity. By this she excites attention, which is held and enlarged by romance. In this case the starter was Miss Whiting's card floating in a bottle without a reason given. The interest it excited was enhanced by the little circlet of hair.

Joe Humphrey pulled to the shade of some trees overhanging the river bank and, with the card in his hand, gave himself up to wonder. What did the girl want anyway? What was she like? He had had girls in dozens thrown at him by designing mothers without feeling anything but repugnance. There was neither curiosity nor romance, and above all was wanting the excitement of the chase. If this girl was angling for a lover it was not him especially.

He pulled back to the boathouse, climbed to a furnished upper room, where he kept writing materials, and inclosed the card with his own, on which he wrote: "Picked up this — day of —, 190—. Cast your bread on the waters, and it shall be returned

to you an hundredfold."

In due time he received a duplicate card with the inscription, "Better one gold dollar than a hundred copper pennies."

His reply: "No puny gold dollar represents the writer. He may rather be likened to a big silver coin. Your circlet of golden hair may have suggested your simile."

Her reply: "It's all the gold I have."

His reply: "I have only a heart of oak."

That was the beginning of the end. The correspondence went on. Miss Whiting finally explaining that she was a poor girl with a stepmother and no one to love her. She had sent her card adrift hoping that it might change her life and make it happier. Supplementary to this Humphrey informed her that he was a poet whose verses were too far above the market to be acceptable to publishers, but he thought that together they might be happy in each other's love in a cottage and asked permission to call. It was granted, and he met the girl in a small house on a country road. She was dressed in calico, and he wore a woolen shirt under a threadbare suit.

There was a courtship. One day Miss Whiting told him that she had been playing a part. She did not live in the house where she received him. She was rich and had been hounded by fortune hunters. She wished to be loved for herself only.

Then Humphrey admitted that he, too, had been playing a game. He was not a pauper, but heir to a big business and a fortune.

One day Joe Humphrey informed his father that he wished to take hold of the business and learn it with a view to running it. The old man was delighted, and the young man took hold with a zeal that was surprising. One day the father asked the son why he had so suddenly changed his mind.

"I'll tell you, father," said Joe. "I've got a girl who says she won't marry a man who has no object in life. Since she won't have a loafer I must bootstrap myself."

This announcement doubled the father's pleasure. In due time Joe married the lady who had sent out her card bearing a fictitious name for a husband, and a few years later the old man retired, leaving the business to his son. Meanwhile there is a small boy who it is intended shall hand the business on down to future generations.

CHINA SENDS APOLOGY

Insult to Flag and Murder at Nanking Condoned.

Pekin.—The apology of General Chang Haun to the Japanese consulate at Nanking has cleared the air, according to the Japanese officials here, and removes the danger of complications for the present.

The Japanese legation emphatically denied that an ultimatum had been sent by the Japanese government to China. The legation stated that the Chinese authorities at Hankow and Shantung had complied fully with the Japanese demands.

On September 27 the Japanese minister presented China with an ultimatum, allowing China three days to comply with Japan's demands in connection with the recent attacks on Japanese at Nanking.

Queen Maud of Norway and Son She Fears May Be Assassinated



QUEEN MAUD of Norway is able to verify the saying, "Uneasy lies the head that wears a crown." She is the mother of Crown Prince Olaf, and recently there have been stories of plots to assassinate the boy. Queen Maud is a mother as well as a queen, and she does not find life comfortable when the fear of assassination is ever with her. She may leave Norway because of these tales of assassination. There is a bill now before the storting providing that if the present ruler dies without a male heir the country shall become a republic.

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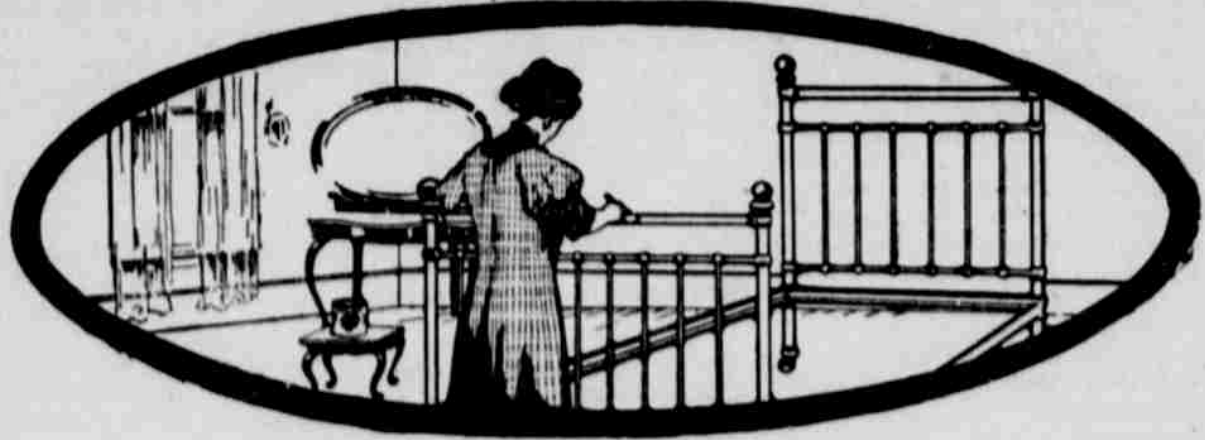
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A Dainty Enameled Bedroom

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