LOOSE SMUT OF . OATS DISTRIBUTION

The common oats smut or the loose mut of the oats (Ustilago avenae) is one of the most common fungus diseases that effects the oats plant This disease is not confined to any rticular area, but is quite commonly distributed over the entire country. wherever the growing of cats crops is largely darried on. The fact that is widly distributed makes it practisal ly impossible to secure seed free from this disease unless some measure ful

control is taken

ECONOMICAL IMPORTANCE. The importance of this oats smut to the farmes from an economic stand. point is far greater than we are com-monly led to believe.

This write-up deals practically with the conditions as they exist in Som-erset county, but in order to show the importance of this disease the gov-ernment reports show that the loss from the cats smut in the United States is 8 per cent of the entire crop, or in round numbers \$20,000.000. As this disease relates to Someset county we have some definite information that can be used to show the loss that has been caused by this disease during the past growing season.

Last year a study of the oat smut was made in the county. In 46 forms was made in the county. In 46 forms in the sacks or visited the percentage or smut run i blombet and spread out to dry; be sure from nothing to 37 per cent. On 55, the grain is thoroughly dry before usfams wher the average percentage was 17 per cent. On 11 farms where the forma- feed freely enough. lin treatment was used less than one per cent was found infected. The di- treated usually swell and thus will scase will recur if no method of era- et run through the drill as fast as dication is used.

LIFE HISTORY. In order to compete with any insect

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or fungus disease it is necessary that we know the life history of the insect or the disease that is causing the loss. In the case of the oats, the boring spores are carried over under the seed covering, or as we know it, the chaff of the oats. These spores find lodge ment under the seed covering, either while the oats is in the stack or in the field or at threshing time. The spores will remain dormant during the winter and at seeding time as the oats grain germinates, and grows the germinatoin spores of the smut will begin their growth also. The spread-ing of this disease through the tisof the growing oats plant is a easy process and the germ is

ance and the spores for the next germination are again carried to the succeeding crop; thus we see that if no control is practiced, the disease will continue from year to year and may be greatly injurious, or less so as the climate conditions are more or less favorable to its devedopment HOW TO CONTROL THE OATS

mature, the disease makes its appear-

SMUT. There are two common m controlling the oats smut; the hot wa-ter treatment and the formalin treatment. The hot water treatment is much more complicated as well as more expensive, than the formalin treatment. For this reason the formalin treatment only will be explained, which is as follows: Secure a solution of 40per cent commercial for-malin, take one pint of formalin to 40 gallons of water; take the grain to be treated and spread it out on a grain proof floor or a piece of canvas. and sprinkle the seed with the diluted solution until all of the seed has been dampened; turn the same by shoveling and sprinkle again, contin-uing until all the seed is soaked. When enough solution has been added cover the pile of seed with a blanket or old sacks and let it remain in

in, or else the grains may be swollen from water that the seed will not As a precaution, oats that have been

ber oats. From a peck to a half bushel more seed per acre is usually required.

the county have been interviewed with regard to the price and supply of formalin. The formalin will be put up in pint bottles and can be secured at thirty cents per pint. Here is an opportunity for the Som erset county farmers to increase their

crop return. There is one point list should always be born in mind, that, in a problem of this kind, for this control of such disease, is for the co-op-eration of every farmer. An effected field in a community may spread the disease to a number of others. Every farm is asked to see that his neigh bor will make an effort to control this disease on his farm, and in this way

ជនក្នុងក្រុងភាព ទំនងមានក្លាតក្រុងក្នុងក្រុងក្នុងត្រូងស្ថិ

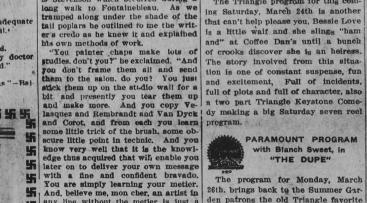
How About You?

NURSERY STOCK AT ONE-THIRD AGENTS PRICES Procticaly all of the druggista of THOMAS E. SHEERIN, NURSERYMAN, 10 RIVER ST., DANSVILLE, N. Y. always three. As the seed beging to a we hope to keep the disease un der control.

Possible Substitute. "Nothing can ever take your place." coosed the bride. "Nothing. dear?" "That is, perhaps. except adequate allmony." -Kansas City Journal."

Something Accomplished. "My wife went to a beauty doctor to have her complexion cleared." "Well, was it?" "No, but my pocketbook was."-Bal-timore American.

Total Liabilities ...



THE MEYERSDALE COMMERCIAL, MEYERSDALE, PA.

CONDENSED REPORT OF CONDITION

The Second National Bank

OF MEYERSDALE, PA.

RESUURCES

Loans and Investsments ..... \$540 536 26

U. S. Bonds and premium ..... 70 179 37

Real Estate, Furn. and Fixtures .... 63 374 50

Cash and due from Banks..... 101 908 16

Total Resources ..... 775 998 32

Capital Stock paid in ..... \$ 65 000 00

Surplus Funds and Profits .... 59 863 76

Circulation ..... 65 060 00

Deposits ..... 516 134 56

Growth rs shown in the following statements

made to Comptroler of Currency.

September 12, 1916 .... \$674 227 19

December 27, 1916 . ..... 731 569 48

March 5, 19'7 ..... 775 998 32

Net Gain in Six Months \$101 771 13,

or 15 per cent.

.. ..........

LIABILITIES

With a line and connect Dravado. You are simply learning your metier. And, believe me, mon cher, an artist in any line without the metier is just a blind man with a stick. Now, 2n the literary line I am simply doing what you painter men are doing in the pic-torial line-learning the metier." "Yes but how do you wok the 5 "Yes, but how do you wok the game?" I inquired, "We artists use paint and canvas and brushes precise-ir as the masters did " 5

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game: 1 inquired. "We artists use paint and canvas and brushes precise-ly as the masters did." "Well, 1 use pen and ink and paper precisely as did the masters of the pen," laughed Stevenson, "only a pen-cil is quite good enough for me at pres-ent. Just now I am making a story a la Balzac, with a French plot. French iocal color and every little touch and detail as close to the old boy as I can possibly make it. And aren't his works just marvels of literary perfec-tion! Really, I believe that Balzac held up to nature a more wonderful mirror than even the great W. S. him-self. His dear old Pere Goriot—don't you just know him better even than if you had met him right here on the grande route and had an hour's chat with him? "I like to "swallow a great master whole, as it were, to read everything he's written at one go and then have a 45 46 H.

EGGLESS, MILKLESS, BUTTERLESS CAKE 1 teaspoon nutmeg 1 teaspoon cinnamon ½ teaspoon salt 2 cups flour 5 teaspoons Royal Baking Peurden ke) called for 2 eggs - Put the first fight ingredients into saucepan and boll 'hen cool, add the flour and baking powder which have been ix well. Bake in moderate over in loaf pan (round the with e ingredients, mailed frce. Address Royal Powder Co., 135 William Street, New York BAKING POWDER Made from Cream of Tartar, derived from grapes, adds none but healthful qualities to the food. No Phosphate No'Alum At The SUMMER GARDEN Week Commencing, March 12th. 1

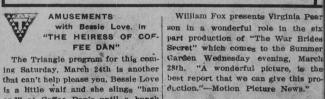
No Eggs, Milk or Butter

The following recipe shows how an appetizing, wholesome cake can be made without expensive

In many other recipes the number of eggs may be reduced one-half or more by using an ad-ditional quantity of ROYAL Baking Powder,

about a teaspoon, in place of each egg omitted.

ingredients.



with Blanch Sweet, in "THE DUPE"

the Lasky Paramount feature "The

Dupe" also two other reels, Bray car

Cartoon and Paramount Pictograph

with Dorothy Dalton, in "FEMALE OF THE SPICES"

Dorthy Dalton again appears in a Vampire role in the Triangle Kay-Bee

production, Tuesday, March 27th, in "The Female of the Spices," al! we

can say, don't miss this. Special mu sic by the orchestra, also a two part

FOX FEATURE

with Virginia Pearson, in "THE WAR BRIDES SECRET"

BANISH CATTLE PESTS.

comedy.

TRIANGLE PROGRAM

making another seven reel pro

er Gar-

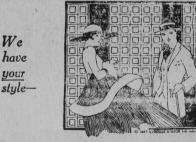
PARAMOUNT FEATURE with Margaret Clark, in "MICE AND MEN"

The same little Margaret that the Summer Garden showed two weeks ago with the Paramount production "Molly Make Belleve." See her Thurs day, March 29th in "Mice and Mon" slother of her out of the ordinary plotures. Episode numbes 14 will be shown in connection with the above making a seven reel program, two big features in one program, no advance in price

## PARAMOUNT PROGRAM with Donald Brian in "THE SMUGGLERS"

The program for Friday, March 30th will be an interesting one, and of a variety. A big basket-ball game with the local Broadway team, a Para-mount feature and soller skating, watch for further announcements o this progr

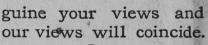
COMING ATTRACTIONS June Caprice, in "The Ragged Princess,"Wm. S. Hart, in "Truth-ful Tulliver." Theda Bara, in "Ro-mec and Juliet." Dustin Farnum, in "Davy Crocket." Mary Pickford, in "Poor Little Peppina." Bertha Ka-lich in "Lora and Lick." lish, in "Love and Hate."



HAT we are exult-S 5 ant over what we are certain is the most comprehensive and brilliant assortment of new 8. spring styles for men and young men in the city does not prove anything. 浙 Your opinion is the de-浙 斯 ciding factor and since S. we have never pursued a policy of exaggeration, 5 we know that you who seek new spring togs with style such as holds sway in the big metropolitan centers, will at N II least pass judgment on them-then we are san-S MILLER & H S H Department Store, 卐

Myersdale,

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We

can fit

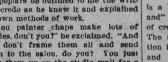
you-

Every type of build every fancy must surely be met in this vast array of models and fabrics

775 998 35

## Robert Louis Stevenson's Story of His Writing Methods.

Writing Methods. I have a vivid recollectio.. of a most interesting shop talk with Robert Lou-is Stevenson which occurred during a long walk to Fontainebleau. As we



The program for Monday, March 26th. brings back to the Summer Gar-den patrons the old Triangle favorite in Blanch Sweet, who will be seen in

that we have so painstakingly arranged for the spring season.

## HIGH ART CLOTHES

are of such high standard that the mere incident of your seeing them stands between their being our 5 property or yours. COL

Penna.

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grande route and had an hour's chat with him?
Hike to swallow a great master whole, as it were, to read everything the's written at one go and then have a try myself at something in his main ner. The only way to become a master is to study the masters, take my word for it. It's all one whether it's in paint or clay or words. And then if you are humble enough and keep an open mind you may one of these long days learn how to say it. I have at various periods thus sat at the feet of Sir Wats of the south and Fielding to the south and Smollett and Fielding.
Her Scott and Smollett and Fielding periods that sat at the test of all war-ter Scott and Smollett and Fielding and Dickens and Poe and Beaudelatre, and the number of things which I have written in the style of each would fill a clothes basket."-Birge Harrison in Gentury Magazine.

Lice can be got rid of without much

expense or labor. The sheep dips on the market mixed to a strong louse so-lution well warmed and sponged on to the animal, going the wrong way of the hair, will do the business.

Century Magazine.
Century Magazine.
Tiny Jesthou Island.
Jethou island is not only the smallest of the Channel islands, but also this smallest inhabited island in Europe is only one inhabited house.
Jethou lies midway between Guerra is only one inhabited house.
Jethou lies midway between Guerra is only one inhabited house.
Jethou island is not oreadit here is only one inhabited house.
Jethou island is not opst. Beitra surrounded by submerged and partly surrounded by submerged on by vessels of any size, so all communication with the orage is at its best, but the highest price is only a couple of miles off. — London Mail.

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A Scandal Averted. Little Gertrude had been very naughty and had been severely slapped, first by the nurse and then by mother, with a promise of another dose from father when he came home. She sat on the floor, her eyes filled with angry tears. Suddenly she rose with a determined look upon her little face, and seized her hat. "Where are you going?" asked her mother.

"Out to tell the family secrets to the neighbors," said the child firmly. But she didn't go.—Pittsburgh Chron-icle-Telegraph.

What She Asked For. Uncle Jack, who was visiting then from the west, wished to talk to Eliza beals father at his office. He could not find, the telephone director both his the telephone directory and thus appealed to three-year-old Eliza-beth for information regarding the phone number: "Elizabeth, what does mother ask for when she talks to daddy at his office?"

Elizabeth was wise for her days. "Money," she lisped.