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family group women "got through entheir home sion to vote llowed their than submit without regood and certainly eir parents. actory sure been oddhe unhappy

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Leaf Spot or Yellow Leaf of Cherries

fer severely from this disease when very small spores or sedes of the fun- we may perhaps make some sugges- mal of mine I would ask myself sever there is considerable wet weather in gus are blown on to the flowers, pene- tions as to the relations of the hen questions as I watched him work: May and June. The fungi causing leaf trating into them and causing the pro- to the apple tree, provided this com- 1. How does he use the file? To spot or yellow leaf of sweet and sour duction of the ergot in place of seed. bination already exists. cherries, and the shot hole of plums. To complete the life history of the The most important one is to keep notch under the nails for purposes of Abundant moisture in May and June one or several outgrowths with a is very easy to overdo this one and as a pad or cushion. results in heavy infection. Relatively knob-like end; these produce an abun- get the soil of the orchard too fertile. 4. Does he severely pare away, this dry weather often prevents the spread dance of smaller bodies, which in turn In other words, although it is all or deeply burn the soles? of these fungi to the extent that no bear the spores, spoken of above, right to keep hens in the orchard, it 5. Does he cut away the bars? This

The life history of this fungus pest fect the flowers opening that summer, in a hen yard. ination the fungus enters the leaf tis- teats or mouth, and sloughing off of orchard altogether for a season. These spots turn later to effect. cases where infection is slight the tionary measures to adopt: a large number of infections have oc- sionally for the presence of ergot, and To Spray or to Dust Potatoes should not be used for hay or pasture.

about the time the petals fall and per- ting susceptible grasses about flower- deaux mixture for the control of infodic infections may continue for a ing time, so checking the spread of sect and fungus enemies of potato month or more. Often it happens that the fungus. the leaves are yellow and falling be- 3. Badly infested hay lands should so often as to make its use general fore the fruit is ripe. In other years be burned over. the infections accumulate more slowly 4. If seed is found to contain ergot, been used considerably, but carefully time of pain.—Dr. A. S. Alexander. and the leaves drop later. The most it should be immersed in a 20 per conducted tests over a period of four important damage caused is the weak- cent. sait solution; the ergot floats up years show that the practice is not ening effect on the entire tree. De- to the surface of the liquid and can so efficient as the liquid form of apfoliation, especially when heavy, pre- be skimmed off. vents the maturing of the new wood of the tree. This may predispose the

controlled in every commercial orch- sion be allowed. I couldn't tell the ard. The first thing that should be answer. But I could tell how to trap done is to cultivate the orchard before the hawk quite easily. I shall tell it the blossoms are out. Care should be again here. This method was used in taken to cover as many of the old a certain locality where hawks were leaves as possible. In this way the plentiful and in six years' time over amount of infection is materially re- four dozen hawks were captured, duced. Spraying with either lime sul- proving the efficiency of the plan. phur, or bordeaux, will control this Hawks almost always alight on a misdeeds we have done. Have we ever influences fertility. Cold and wet weamany growers. The 4-4-40 formula is such a tree where the hawks like to "whatsoever" class, and have a right and windy, cold weather is worse than one of these insects gets into the house strong enough and it is effective light and watch for their prey. If no to get great peace of mind from that cold and quiet weather. against yellow leaf even at weaker dead tree is at hand, fix the trap thought. strengths. Lime sulphur at the where they sit waiting if it be a live strength of 1 to 40 is effective. Iron tree. A pole may be erected in the sulphate may be added to the lime locality where they lie in wait, leaving The Sunday School Lesson sulphur at the rate of one and one it a while before the trap is arranged fourth pounds to 40 gallons. This in- so they get used to it. Put four nails creases its adhesiveness and prevents about four inches from the top of the burning. In order to avoid the early pole or limb, which should be slightly it is advised that the first application are for the strings to be fastened. Get be made just as the petals are about a muskrat trap or a, so-called, jump all off, or at least a few days later. trap. Set it and fasten to the top Another application should be made of pole or limb, and the next time the from two to three weeks later accord- hawk alights there to watch for his ing to the amount of wet weather. A meal you will have him by the leg. THE OLD AFFILIATION AND THE NEW. Damascus were bewildered. They had Clothes moths may be avoided by third application just after the fruit This rarely fails. No bait is needed. Introduction—In so energetic a mer of the Christians, and were they when they are put away and storing is picked and a fourth, three weeks Just a trap. Where hawks are very nature as that of Saul of Tarsus the not told just the other day that he them in a light, airy place. Occasionlater, are advised if weather condi- bad it is a good plan to scatter four fact of Christian conversion imme- was on his way to institute a high ally during the summer I air the tions favor infection. Sulphur dust or five of these traps around the diately shows itself in action, and Saul court of procedure against Jesus' fol- woolens. Certain repellents are effec-90 parts, to 10 parts arsenate of lead buildings where hawks are known to becomes a preacher of Jesus Christ. lowers in Damascus? To know that tive if the moths have not started to and may be used.

Ergot in Grain.

of its injurious effects upon animals being used much for cut flowers these former associates in Judaism? We and made his way in spite of this away our best coats and suits during that are fed with grain containing days, and to keep them in bloom for shall understand this best by reflect- a long period and to get the finest his spiritual experience. Jewish scepticism. He had to stand the summer. For the girl who has no hope chest one of these cedarized coned grass. The ergot is a bluish black, blooms, it has been found advisable to his spiritual experience. horn-like body with a white interior, keep the flowers cut very close all the and in produced on infected plants of time. If blooms are left to fade on the grace of undeserved that Jesus was the Christ. the grass family in the place where the plants, or seed to form, it will attain to God by merit, but, instead the seed would normally be found. cause most of these annuals to stop of that, God had stooped down to him They are found easily on the head of blooming, or at least become less free. by grace, and overwhelmed him by the growing plant because they are It is a case of the more flowers you his mercy. So grace-the grace of twice or three times the size of the use the more you have to use. While God-is Saul's first theme as a

also on many other grasses such as the strength that they require goes rise Jesus. It was Jesus whom Saul risen Jesus, blue joint, Kentucky blue into making finer blooms of what grass, Canada blue grass, red top, comes after. The sweet peas and viotements, wild rice and others. It oc-lets, and even the pansies will not lets and others. It oc-lets, and even the pansies will not lets. timothy, wild rice and others. It oc- lets, and even the pansies will not blasphemy, his resurrection a fiction. their ranks they drew off in apprehencurs occasionally on wheat. The ergot bloom for very long if all the seed Now, with eyes opened by the Spirit, sion, afraid to believe in his protestais produced as the result of a fungus pods are not kept from them. Most of he saw that Jesus was indeed the tions of Christian faith. Could the



Hens and Orchards.

Without attempting to offer any More and more blacksmiths do little advice as to whether it is desirable to shoeing and know little about horses Sweet and sour cherries alike suf- or other grasses are in flower, the combine fruit growing with poultry, If such a smith were shoeing an ani

are very closely related. They are fungus, it lives over the winter in the apple trees in the majority. If the clenching, that is all that is needed. present wherever these fruits are ground, or in storage bins in the form hen icn't too prominent she may do the 2. Does he use too large nails or grown and are commonly found on the of black, horn-like body or ergot; in trees a deal of good, not only in keep- too many? wild species of prunus. The main fac- the spring the ergot in the ground, ing down certain insect pests but in 3. Does he cut into the frog? It is tor which regulates the amount of either left there all winter or sown keeping up the fertility of the soil, none too large as it is. Nature indamage they cause, is the weather, with the grain that spring, sends up But like many other good things, it tends it to touch the ground and act

which are blown by the wind and in- is a mistake to try to grow fruit trees tends to contract instead of to "open"

of cherries is simple. The diseased The actual loss to the grain crop by Just how many hens one may profit- 6. Does he go in for too high heels leaves of the past year living on the this disease is slight, but the serious ably have per acre of orchard will and toes? Or heels and no toes? Or ground furnish the place of hiberna- effect on cattle eating the ergotized vary greatly with the soil. On a light, toes but no heels (calkins)? tion. On these dead leaves spore cases grain, the losses from hay having to hungry, sandy soil one could safely 7. Does he keep the natural relaare formed and during wet weather in be destroyed because of the presence use far more than on a heavier and tionship between the length of the toe May and June spores are shot out of of ergot in the grass, make the dis- more fertile soil. The decision should and the height of the heel? these cases and carried by the wind ease a serious one, and, everyone be made, just as we decide other types Those are the questions I would ask to the new leaves above. The same should know the precautionary mea- of orchard fertilizing, by watching the myself about the blacksmith. Then, wet periods which cause the spores to sures to adopt in order to get rid of it. growth of the trees. If the leaders to be fair, I would ask these questions be discharged into the air furnish the The effect on animals is that they be- are making around a foot of growth about myself: necessary moisture conditions for the come thin and rough haired. Further per year the hen population is about Have I let my horse go too long germination of the spores as they ad- symptoms are slow circulation in the right. If it is more, reduce the num- with the same shoes? Removed shoes here to the new leaves. Upon germ- extremities, gangrenous sores on the ber of hens or take them out of the in cases of nail prick or founder? visitors.

at each place of infection parts of the tail, ears or hoofs. Abor- It might also be suggested that the board floor? Packed the hoofs with small dark blue spots appear in about tion may also follow as an additional litter from a hen yard or house makes injurious packing substances and a dark red or reddish brown. In some The following are the best precau- with judgment, basing one's decision dirty water or poulticed it with cow spots drop out leaving holes but where 1. Fields should be examined occa- you are getting on the trees.—F. C. S. scratches, stone bruises or suppurat-

-Which?

The first infection takes place at 2. Ergot may be lessened by cut- The high efficiency of liquid bor foliage has been demonstrated in tests with potato-growers. Dusting has plication. Where water is difficult to obtain, and in small fields where it is tree to winter killing the next winter. Once a person asked what to feed dusting in advisable. For areas larg-months it increases and ranges, ac-

Trapping Hawks.

Picking the Blooms from

Plants.

ness, on the surface of the slices.

shall be also reap" usually brings us thoughts of future punishment for are not strongly fertilized. Weather Bordeaux is preferred by dead stick or tree. If possible, find sowed good deeds? They belong in the ther is worse than cold dry weather;

How's Your Blacksmith?

rasp the wails of the hoof? A small

Kept the animal standing on a dry excellent orchard fertilizer if used dressing? "Tubbed" a hurt hoof. in ing corns?

Antiseptic foot packs are always preferable to "tubbing." Frog setons are useless. There is no such disease as "gravel," a term applied to suppurating corns.

To bear these facts in mind, and act on them, may save the horse from many common foot troubles, difficult or impossible to cure, and from a life-

Fertility of Eggs.

February, March, April, May, Sepnecessary to use hand apparatus, tember and October are the best Because of its common occurrence their chickens so that if the hawks er than one acre and with water and cording to the different breeds, from burn or sprinkle insect powder about and damaging effects upon the trees got them it would kill the hawks. This a power sprayer available, then spray. 60 to 75 per cent., and sometimes bet- This stupefies the flies, which are Try cutting hot steamed brown November and December the fertility poison I use effectively is one tableter. During the cold, wet days of swept up immediately and burned, A I sprinkle sodium fluoride around In every community soil variations bread or steamed pudding with a clean drops to 45 or 50 per cent.; in Janustring. It is much better than using ary it increases again and by Februa knife as it prevents the usual soggi- ary and March reaches 75 per cent, and one-fourth cupfuls of cool water. During July and August it goes down This I leave out in a flat dish all to about 60 per cent.

It is not only the fertility of the morning. egg that drops in hot weather, but also | Flour beetles and weevils are found

HOW I OUTWIT HOUSEHOLD PESTS

Fresh Air and Starvation Diet Discourage My Most Persistent Insect Callers.

BY NELL B. NICHOLS.

If at the end of the first year of available the rugs may be hung on say, "Keep the load moving." The idea my homemaking career anyone had the line frequently. In some cases it was that if a team once stopped it me that some day I would be tell- may be necessary to have the rugs would be impossible to start the load ing about the insects which have visit- dry-cleaned and steamed. Before put- again without much trouble. ed my household I would have been ting the rugs down wash the floor The fact is that loads start hard.

I used to believe fleas and flour have all the cracks filled. weevils and bedbugs unfit for discus- Ticks from farm animals bother oc- atively little extra pull. Modern locosion. But knowing as I do now how casionally. This is the man of the motives have auxiliary engines to aid cosmopolitan these pests are, I am house's problem. He will have to rid in starting heavy trains which, when going to introduce to you some of the the farm animals of the pest. Fre- moving, can be easily pulled by the most persistent callers which have quently dogs and cats become inflited main engine. appeared in my house. Here they are: with fleas and carry the insects into This same principle holds good in Flour weevils, crickets, bedbugs, fleas, the house. When the eggs laid on the other departments of life. The world's ticks, ants, moths, cockroaches, flies, floor begin to hatch, there is "a hot greatest automobile manufacturer remice and rats. How to control them time for everyone," as my little bro- cently stated that the expense of shut--that is my story, for not to check ther once said. The rugs have to be ting down his plant was enormous. A their ravages is dangerous. They taken up and aired and the floors commission man who is marketing a

I believe prevention the best method thrum powder sprinkled around also the other day to the writer that it of control. Most of these creatures is effective. seek our homes for food, warmth and moisture; and some like darkness. Failure to provide these conditions the warfare on them continual in naturally discourages the unwelcome cities. Before moving into a house

I try to keep the attic, basement, gate. Sulphur fumigation is good cave and all parts of the house well Washing the bedding and spraying the ventilated. I whitewash the cellar mattress with gasoline or benzine walls. I try to keep all foods and having the windows open and no fire liquids covered securely and to dis- in the room, will play havoc with this in the same way on the type of growth dung? Used powdered bluestone for pose of waste quickly. I take par- pest. The cracks in the floor and the damp cloths used in cleaning, because parts of carbolic acid and turpentine if left indoors they may harbor insect will kill bedbugs, as will insect pow-

My rule is to consult the druggist | While ants are annoying, they are when these creatures cause trouble, not so harmful to health as many Last week, while visiting with a He can give information about fumi- other insects. I usually sprinkle red farmer friend, we were informed that gation, and he carries in stock many pepper on the shelves where they are through the production of a superior excellent powders and poisons for use bothering. If they are present in grade of celery he had been able to in checking these invasions.

THE DISGUSTING FLY.

clean helps to keep them out of the house. Screens and swatters are necessities. Occasionally the home is lit- for a week the hill will be vacated. per cent. of the land of that territory erally swamped with these disease months for fertility of eggs. In these carriers; especially is this true before spoonful of formaldehyde added to one night, as flies drink early in the

the vitality of the chick, as the eggs quite commonly in flour and cereals during the warm weather. They have it is difficult to exterminate its progeny. I examine all flours and cereals as soon as they are purchased and return the infested products at once. If the insects get a start I immediately dispose of the flour or cereal and thoroughly wash the containers. The storage places I keep well ventilated, as these pests like damp, close quarters.

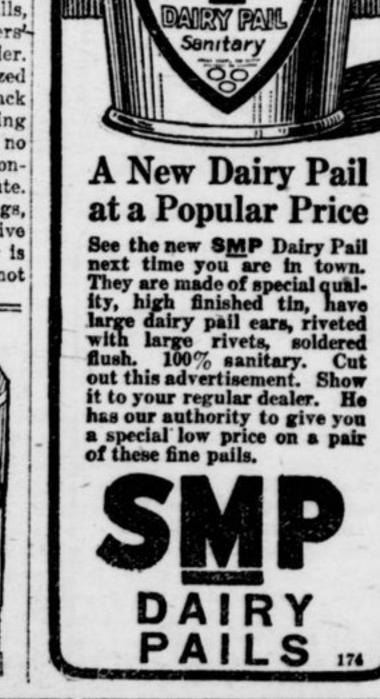
Crickets seek houses for warmth quently cut holes in fabrics. The best way to discourage them is to keep all

in argument against his opponents, tainers would be a splendid substitute.

Carpet beetles enjoy woolen rugs,



Improvement,



Committee

Many Farmers Buying Pure Bred Bulls

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that the herd that pays is the only one to keep.

breeders of good bulls in your county. See him.

GOOD BULLS PAY DIVIDENDS

produce bring fame to Ontario.

ting good Pure Bred Bulls.

Ontario is fortunate in having many Pure

Ontario farmers are rapidly getting the idea

Follow the lead of successful farmers by get-

Your Agricultural Representative knows the

ting again. Rubbing a trace of rho-

dium on the trap helps to attract rats.

is carrying the business along easily. Bedbugs migrate rapidly, making The farmer has the same principle to deal with. He must keep his crops going once they are started, if he is containing them it is best to fumito realize the largest profit. To stop their development means a loss of time that can never be regained, or additional plant food to pull them back to normal. Economy demands a supply of fertilizing elements that will bring the crop through without a vides such supplies, always.

GRASPING OPPORTUNITY.

KEEP THE LOAD

MOVING

It was a common parlance among

the teamsters in the lumber woods to

tum carries them along with compar-

was hard to introduce the brand; but,

once started, the merit of the brand

with soapy water and kerosene and But, once under motion the momen-

scrubbed with soapy water. Pyre- special brand of potatoes, remarked

great numbers I burn insect powder capture the business of a city of four every day for a week. Ants also dis- thousand population. His sales to the Flies are bred in any filth they can like the odor of camphor. The best people of that city this season promfind. Consequently, keeping the farm plan to use in the control of ants is ises to reach the two thousand dollar to destroy their hill. I have found mark. This man has a few acres of that by pouring kerosene in every day soil quite different from ninety-nine I am glad that cockroaches are not By his own initiative he has capitalabundant in most farm communities. ized the peculiar qualities of his farm, They are such dirty insects that one instead of trying to compete with hates to have them in the home. Here neighbors on crops unadapted to this is how I fight them: The first night soil.

their haunts, the next night pyre- exist. Often these make possible spethrum powder is used in the same man- cial production, as in this case. It is ner, the following evening pyrethrum for the highest good of the farming powder is burned, and the next night interests and of the consumers of the sodium fluoride is again sprinkled community, as well as to the personal about and left in the cracks and cre- advantage of the farmer to divert vices for several days. If roaches are these lands to the purpose for which seen after this I sprinkle powdered they are best adapted. These special situations require farming and busi-A good cat is the best exterminator ness ability of a high order, which for mice and rats. Traps also are fact protects the one who has or can helpful. I always scald them after a acquire the necessary acumen to carry rodent has been caught before set- on these special lines successfully.

JUST ABOUT DAD.

We just read a little ditty about dad. And being dad, we ought to be puffed up considerably. But, well, we're just not. This eulogy of the head of the house, if you please, says that even if dad is not dressed up like a shiek, he is your father and as such has struggled to keep things going. And besides, he thinks you are the greatest boy on earth. It says he is "some man" instead of the "old man."

The one who wrote that must have been an idealist. Perhaps he had just become inflated with pride at the arrival of a baby boy. It is true that the ideal father is all that the word father implies. He makes sacrifices, he has patience, he wants to heip his son to grow to worthy manhood, he chums with him and does those things which are an inspiration to the boy. But how many of us are ideals?

And, lest we forget, that boy of yours has dad pretty well sized-up. He knows about where his dad stands in the rating of manhood. He knows when dad demands of son something that he does not demand of himself. And he knows at least a few things he has not told you.

Of course, we cannot be ideal, being human. But we wonder if it would not be a good thing to check up once in a while to see if we can not do something to bring ourselves a little closer to the ideal than we now are. Such a checking up might make us greater assets to the boys than we now are, and it wouldn't hurt dad a

Locating My Perennial Garden.

I like a good perennial garden. It contains the asparagus, rhubarb, sage, and other herbs, and a good plot for horseradish. The latter is not really grown as a perennial but as it sprouts badly and becomes a pest if other crops are planted where it has been once, I prefer to set it to horseradish each year, feeding it liberally, for the large roots planted will make a growth that will not take harm from the smaller growth of the rootlets left in the ground. Both asparagus, and rhubarb want the soil very rich, and a heavy mulching with stable manure each winter is the best way to grow it. Many use salt freely on the

asparagus as it will keep weeds from growing, and does not harm the asparagus. Some have contended it is a benefit, but I think not .- A. H.

There is one thing about these indecent plays and movies; if people really lived like that they would not have any curiosity about such things in plays.

MAY 24.

and often very destructive infections flattened to hold the trap. The nails Saul Begins His Great Career, Acts 9: 20-31. Golden Text -I determined not to know anything among you, save and food. As you know, they fre-Jesus Christ, and him crucified.—1 Cor. 2: 2.

He feels naturally a special call to he had abandoned his plans would go first to the Jews, for he has discovered in his own tremendous exper- find him preaching the Christian cedar shavings, tobacco, the printers' ience the powerlessness of Judaism to faith was amazing. They wondered ink on newspapers, and insect powder. make the soul right with God. What if they were in their waking senses. I have a new collapsible cedarized Ergot is very widely known because The summer blooming annuals are was his distinctive message to his V. 22. Nevertheless, Saul persisted, chest of heavy paper in which I pack

many will continue to bloom and bear preacher. Ergot is found principally on rye; seeds, if the seeds are not left to form 2. This grace of God had come to until frost by picking the blooms be- right hand. Hence the Messiaship or ied within themselves.

they grow straggly, cutting back some second great theme. thought that Jesus' death on the cross

perimental Union is having an en- gospel. couraging and a substantial increase 4. Finally, it was through a spiritthroughout Ontario. The volunteer ual experience that Saul saw Jesus to action at Damascus, and a second time co-operative experimenters with farm be thus risen and glorified, and so he he showed his mettle by instituting a looks to the Spirit for all power and mission among the Hollenist Lews wisdom, and preaches that man must which is 501 more than last year and walk no longer by Law, but by the 986 more than the year previous, ac- Spirit.

C. A. Zavitz who is director of this understand the nature of that preach- once more Sauf had to be rescued by work. The greatest increases in 1925 ing to the Jews in Damascus and the brethren, and brought down to were made with oats, barley, field peas, Jerusalem which is referred to in the Cæsarea on the coast, where they desoy leans, spring wheat, buckwheat, present lesson. field corn, field beans and sweet corn I. THE OLD AFFILIATION. 20-25.

and the greatest decreases were with V. 20. Saul delivered his first testi-

V. 21. No wonder that the Jews of

Vs. 23-25. Eventually Jewish resent- especially red ones. They cannot live ment ripened into a plot against Saul's in a home where a vacuum cleaner is life, but Saul got wind of it, and used. If this type of cleaner is not though the city gates were constantly watched, he contrived, by the aid of some of his converts to escape over

the city wall, being let down in a basket attached to a rope.

disease attacking the plant. When rye the annuals can be made to bloom Messiah, raised and dwelling at God's leopard change his spots? they querfore they fade on the plants, and if Saviourship of the living Jesus is his V. 27. At that moment the greathearted and magnanimous Barnabas of the flowering stems at the same 3. Before his conversion, Saul had came to the rescue. Taking Saul by the hand, he brought him to the apos-

signified his rejection by God. Now, thes, and very simply told them how the thing which had been the "stumbl- the Lord had appeared to him on the tles, and very simply told them how ing-block," as he calls it, becomes the road to Damascus, how he had been Crop Experiments in 1925. fascinating centre of all interest, and commissioned to preach, and what The co-operative work of the Ex- Saul's gospel becomes a cross-centred proofs of himself he had already given at Damascus. This introduction was

Vs. 28-30. Saul had now liberty of mission among the Hellenist Jews (that is, Jews from foreign parts), at Jeruseem. These, however, laid a cording to a statement made by Dr. These considerations help us to him as a renegade, a turncoat, and

spatched him to his native Tarsus. V. 31. The lesson concludes with a comforting picture of the quiet times sugar mangels, swede turnips, sudan mony in the Jewish synagogues in now experienced by the Church in grass and hubam sweet clover. These Damascus. Many Jews were perman- Jerusalem, Judea, and Samaria. They co-operative tests have had and are ently there, engaged in trade and were no longer harassed by persecucommerce, but loyally maintaining tions, but gained time to be "edified." their religious beliefs and institutions. that is, to be solidly built up in faith. on the farm crop production of this Saul's message is given succinctly as It was a period of constructive work. cereal crops especially, the highest in Jesus is the promised Messiah, the who had won the chiefest of their the Dominion, with the exception of deliverer of the Jewish nation, and enemies to himself, and who gave them British Columbia.

ONTARIO ARCHIVES TORONTO