



ne the man."

DYE FADED GS NEW AGAIN Any Worn, Shab-

ent or Drapery.

thing new, even if she

polish of the breaksy to clean therefore washing. an SMP an and an equal size. rt of cold it the same pan will be e water in

TE CO. UNITED WINNIPEG CALBARY

iraing to



thing is to clean the machine before best hatching eggs have been produc- with a straight stick that is as long inspector. thing is to clean the machine before best hatching eggs have been production with a straight stick that is as long inspector.

In the machine before best hatching eggs have been production with a straight stick that is as long inspector.

In the machine before best hatching eggs have been production with a straight stick that is as long inspector.

In the story. It tents wanted.

In the story one that lappeth. The both what happened, and why it hap.

It tents wanted.

It wanted.

It reveals the hand of God man who did not lay aside his weathing commonly known as a mite, living the pened. It reveals the hand of God man who did not lay aside his weathing commonly known as a mite, living on, or in the skin, and reproductive description.

In the story. It tents wanted.

It wanted.

It reveals the hand of God man who did not lay aside his weathing on, or in the skin, and reproductive description.

In the story. It tents wanted.

It was not also wanted.

It was n disinfectant. The next operation is pullets hatched in early February disinfectant. The next operation is pullets hatched in early February to set the machine level. The thermometer must be accurate, and to assure accuracy it should be tested at least once, or better, twice during the latent least once, or better, twice during the least once, or better, twice during the latent least once, or better, twice during the latent least once, or better, twice during the least once, or better, twice during the latent least once and set that the female can proposition and a half descendants of rest, of defect and of good, of times of confirt and saide. The other who sprawled on all there are re-fours, bowing on his knees and hands of rest, of defect and of good, of times of confirt and side. The other who sprawled on all the female can proposition and a half descendants the female can proposition and a half descendants of rest, of defect and of good, ally one hundred and three degrees Eggs from birds out of condition, days so that plants will get equal am Fahrenheit throughout the hatch whether from feeding, housing, or ounts of sunlight from all sides. Our experience has been that it is management, produce eggs difficult to better to take an objective of one hatch. It is also true that the hatchto one hundred and three degrees difficult to locate. we have no cause for worry; but given a temperature of one hundred and three degrees, when the machine goes up to one hundred and four or above, usually either the hatch is small or tification has rapidly increased in

The amount of moisture required in out the country to whose attention it an incubator depends upon the make has not yet been drawn. It is thereand the room. Generally it is best to fore desired at this time briefly to follow the manufacturer's directions, enumerate the aims of the work and

are high temperatures.

agreed that, in order to secure a good from disease may be kept informed hatch, the hen must be placed where with regard to this phase of agricultural activity and, if they desire to do her; for, as a rule, we seldom get good so, make application for an inspechatches when other hens lay in the nest with the sitter. Some farmers do not set a hen until one becomes broody on a nest where no others lay, The difficulty can be overcome by making a new nest for the broody hen.

A box about twelve inches square and ers the various diseases affecting posix inches deep; some earth, or an tatoes, their economic importance, everturned sod in the bottom, with and accepted methods for their concare to have the corners very full so trol. that no eggs can roll out from the that no eggs can roll out from the hen and get chilled; next, about two in the event of a change of seed being down to 90 deg. F. and stays there—stands steady on uneven floors.—will, the vision of faith will still see for them to fall "into the hands of the The nest should be placed in some pen eliminating undesirable stock. where nothing can disturb the hen, and put her on after dark. Feed and stock upon inspection is found to meawater must be within easy reach, and sure up to the standards set, in secura dust bath should also be convenient ing favorable prices for their seed, If the hen is sitting quiet the next by the issuance of official certificates day, you will be safe in putting the vouching for its quality. eggs under her. In our experience The methods applied in carrying

to sit by following this method. tatoes are as follows: It-should be remembered that the (a) The fields are inspected ed with insect powder when set, and month subsequently, in order to asceralso a few days before the hatch comes of lime, which cost 2.5 per cent. month subsequently, in order to ascertain what diseases (if any) affecting than the cost 2.5 per cent. month subsequently, in order to ascertain what diseases (if any) affecting than leaves are used in making the month subsequently, in order to ascertain what diseases (if any) affecting than leaves are used in making the month subsequently, in order to ascertain what diseases (if any) affecting than leaves are used in making the month subsequently, in order to ascertain what diseases (if any) affecting than leaves are used in making the month subsequently, in order to ascertain what diseases (if any) affecting than leaves are used in making the month subsequently, in order to ascertain what diseases (if any) affecting than leaves are used in making the month subsequently, in order to ascertain what diseases (if any) affecting than leaves are used in making the month subsequently, in order to ascertain what diseases (if any) affecting and ascertain what diseases (if any) affecting than leaves are used in making the month subsequently, in order to ascertain what diseases (if any) affecting as and bad distribution of her wealth. Market are used in making the month subsequently, in order to ascertain what diseases (if any) affecting as and bad distribution of her wealth. Market are used in making the month subsequently in order to ascertain what diseases (if any) affecting as a making the month subsequently in order to ascertain what diseases (if any) affecting as a making the month subsequently in order to ascertain what diseases (if any) affecting as a making the month subsequently in order to ascertain what diseases (if any) affecting as a making the month subsequently in order to ascertain what diseases (if any) affecting as a making the month subsequently in order to ascertain what diseases (if any) affecting as a making the month subsequently in order to ascertain what diseases (if any) affecting as a making the month subsequently in ord

Selection of Eggs.

Select for color, size and shape, the poses. kind of eggs you want for market. (c) The crops of fields which pass Continuous selection, year after year, the two field inspections are inspected aged 28.7 per cent. scab. will give results. Do not select dirty at harvest time, or subsequently, and eggs, nor do not handle eggs unless if found reasonably free from disease either of the above times and again present. eggs, nor do not handle eggs unless if found reasonably free from disease as the blossoms were ready to burst 17. Some dusting was done but owvour hands are clean. The shell is affecting the tubers, are passed as the blossoms were ready to burst 17. Some dusting was done but owv. 4. Yet too many. We may fairly work to which Gideon was called was

Eggs deteriorate in hatching qualhatching keep them in a cool place such crops when sold, and a certificaabout fifty to sixty degrees Fahren- tion tag attached by the inspector to heit. Be sure the place is clean and every bag at the time of shipment. not musty. Eggs for hatching should These tags are issued by the Dominbe kept not longer than ten days.



Any of the following bulletins, giving timely information of value to farmers, will be gladly sent anywhere free on request. No postage required. aply tear out this advertisement, check bulletins you desire, and alip it in an envelope

> Publications Branch, Department of Agriculture, Ottawa, Canada.

Bost Varieties of Grain.	
Pooling Bool Cattle in Ontario.	
Co-speration in Marketing Pour	try
Product.	
Sending and Marking Regs.	
Fooding Influence on Type of H	ogs.
swine Husbandry in Canada.	
Intrying in New Zonland and As	netro Se
and Massaco	
Corn Boror.	
divers of les	
Madern Outland Practices.	
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for Enaching in Canada.	
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tred and one or one hundred and ing power of eggs in a day or two will degrees, and if the machine creeps vary, the cause of which at times is

> POTATO INSPECTION AND CERTIFICATION.

Although potato inspection and certhe chicks hatched are hard to rear, scope and usefulness since its incep-Low temperatures are not so fatal as tion in Canada in 1915, there are na-size. turally many potato growers through-Hatching by the Natural Method. the methods followed, in order that Setting the hen—It is generally tion of seed potatoes reasonably free

The aims of the above work are: (1.) To encourage the greater prowhich often necessitates late chicks. duction of seed potatoes free from fresh horse manure, let it heat a few —FRIENDS.

inches of straw or chaff, and then a found necessary, sources of diseasefew earthen eggs put into the nest. free seed potatoes, thus gradually

we get ninety per cent. of the hens out inspection and certification of po-

be in better condition if dust- blossoming time, and again about a

inspections disqualifies them for any

seed potatoes.

(d) A final inspection is made—if The eggs from late hatched pullets, bear the official seal of the Plant Disease Inspection Service. This seal ensures the validity of any tag upon which it appears, and should be looked for by all purchasers desiring to se-

for seed purposes, who have not yet received a practical demonstration of the work and who desire to have their fields inspected during 1923 are urged to communicate with the Dominion

Advancement in Butter

Making. was fourth with 54.68; New Brunswick fifth with 54.50; Prince Edward Island sixth with 54.46; Saskatchewan seventh with 54.38, and Alberta eighth with 54.25.

hear you. Put it in the paper.

Plants may easily be started in the Every demestic animal is subject to that obnoxious and contagious dis-box. The box should be three or four ease mange, scabies, or itch, says Dr. inches deep, should have holes in the Bilton, Chief Veterinary Inspector of be handled when filled with soil.

OPERATING AN INCUBATOR. or immature birds, seldom hatch as free from stones, sticks or lumps be existence of the disease shall immediately notify the nearest veterinary of the story tegy and with picked men. He chose of the period after Joshua, and an a way to test and pick the men has inspectors.

Line inside of pit with old boards, held ary Inspector General, Ottawa. tion of their fields during the coming in place by stakes. Make boards along season.

The alms of the above work are:

In book of job strug-gardens, one of the most beautiful gles with its problem of the suffering pastoral scenes in the world. But than in front, so that sash will slope of the months or years, let us not for-the wicked, and leaves it at last a literally "a land flowing with milk and days, fork it over, let heat again and abouts.

The Treatment of Mange.

bottom to permit drainage, and Should the Dominion Health of Animals be small enough so that it can easily Branch in a bulletin "Mange in Cattle, Horses and Sheep." The Animal Fill the box to within one-half inch Contagious Diseases Act requires of the top with fine loam, then firm that every owner, breeder, dealer and

The seed should be covered very ing itself by means of eggs. When is a long and changeful record of evil drank, was the man he chose and set days so that plants will get equal amounts of sunlight from all sides.

The time of planting the seeds depends upon the approximate date of transplanting to the garden. Lettuce or cabbage can be set out of doors very early and therefore can be started before tomatoes or peppers. As soon as the plants seem crowded in the box they should be transplanted or thinned so that they will not become spindly. In from six to eight weeks plants reach the transplanting size.

When it is necessary to provide more space for the growing seedlings they may be thinned out in the box they should of sunlike the more space for the growing seedlings they may be thinned out in the box they should be transplanted to the factor of the provided and the people sinned, the Lord the mand gave them sust any prescribes was angry with them and gave them into the hand of their enemies. In the nation are not to decline. Joshua and his elders were good men, who made so deep an impress upon the national life that "the people served the mixture composed of two pounds of the people sinned, the Lord the morals of the individual and of their enemies."

The time of planting the seeds depends upon the approximate date of transplanting to the garden. Lettuce of the disease, and prescribes was angry with them and gave them into the hand of their enemies and prescribes was angry with them and gave them into the hand of their enemies. In the Nort Generation. Vital faith approach to up indeges. This is the writer's at up indeges. This is the writer's and up indeges. This is the writer's the people sinned, the Lord the hand of their enemies. In the nation are not to decline. Joshua and his elders were good men, who made so deep an impress upon the national life that "the people served the or him for deliverance. He had commade so deep an impress upon the national life that "the people s they may be thinned out in the box pounds of sulphur, ten pounds of fresh pare Ps. 78: 32-39. in which they are grown, thinning to unslaked lime, and a hundred gallons of water. The treatment must be apmechanical, and that it does not permoral decline of his people. And true tearly plants can also be secured by plied under the supervision of a vetplanting seeds out of doors in a hot-erinary inspector. A list of disinfec- nation that sins is not always punish- root causes of the national degenera-

John Gormly.

Results of Spray Experiments in 1923

It should be kept in mind that the 16. The cheapest spray mixture liver Israel from the Midianites,—lives, not in the nation it is true, but orchard—10 acres—was composed of was lime-sulphur, hydrated lime and Arab hordes from the eastern wilder—in the individual. It is a sad time in

tant results obtained:

scab.

mint leaves are used in making the up to the standards set for these two nest, nest, and then help than above, namely, as blossom bud of lead. The dearest spray was Bornumbered the forces which Gideon trafficking in the blood-guiltiness of further consideration for seed purclusters were just appearing but were deaux and arsenate of lead. In the led, and some of his men were afraid, human weakness and vice; a whole not yet showing pink (this stage is above it must be remembered that the The Lord's word to him was a word host of Midianites more destructive known as the pre-pink stage), aver- strength of the lime-sulphur for the of wisdom. The battle was not to be than a flight of locusts, challenge the

cent. scab.

5. Trees sprayed three times with to its efficiency. per cent. scab.

sulphur, not soluble sulphur, at the gave good results too. thorough, averaged 18.1 per cent. scab. sprays.

cure bona-fide Extra No. 1 certified calyx spray, lime-sulphur being used for this year at least, Bordeaux (3,9,

throughout showed an undesirable and lime-sulphur 1 gallon to 40 galamount of russeting of the fruit but lons water, hydrated lime 2 or 3 the whole problem is in the breed or to 10,218 lbs. milk and 349 lbs. fat. the foliage was good. The russeted pounds, and arsenate of lime 1 pound, strain; while others think that the In New Brunswick a herd in which fruit averaged 33 per cent. scab.

control of worms as arsenate of lead, but only with Bordeaux or lime-the average for both plots being 4 per sulphur and with the latter 2 or 3 Where eggs in winter are wanted with the same province developed with and 320,3 lbs. fat. Another where the sulphur and with the latter 2 or 3 where eggs in winter are wanted herd in the same province developed Results in 1923 of the butter-scorside worms of which more than half Results in 1923 of the butter-scor- side worms of which more than half added to every 40 gallons of liquid to insure against burning.

the early nauched pullet is, without from an average of 5,240 lbs. milk and doubt, the one to depend upon. Year- 199.4 lbs. fat to 7,067 lbs. milk and ling hens and those older are very 964 t lbs. fat In Ontario an average. years by the Dominion Dairy and not succeed in entering the fruit.

ter-making in Canada has greatly as there was almost no yellow leaf or good reason why hydrated hime should and really do not begin to lay well actual increase through cow-testing of improved. The scoring by the pro- leaf drop this year compared with a not be used especially as it is much until March. Where the egg produc- 3,803 lbs. milk and 128.4 lbs. fat! In vinces was very close, ranging from heavy drop last year when less lime easier to procure, store and handle. 53.68 by Ontario to 54.85 by Quebec was used. The formula this year was (f) It does not seem safe to substi-

and store.

14. The addition of 3 lbs. hydrated spray unless scale is present. No use to go down in the back lot arsenate of lead lessened greatly the to know (1) that on an average about hatched pullets will lay a little, but, and holler about the good things you amount of sludge or blackish precipi- 6 gallons of spray per tree was found have to sell. Get out where men will tate but seemed to make little or no necessary, the trees being about 20 difference in the efficiency of the years old, thrifty and capable of bear-

BY L. CAESAR, ONTARIO AGRICULTURAL COLLEGE.

The following are the most impor- ate of lead. (The hydrated lime was them. Called of God to be the nation's Hannah, and Samuel, and Gideon? added to prevent the arsenate of lime deliverer, he first of all, made war on The cause of the people needs was Bordeaux mixture and arsenate his own town of Ophrah. Then he ers in our heritage. Canada is suffer-

porous, hence there is possible con- worthy of certification as Extra No. 1 —the pink stage—averaged 16.8 per ing to a breakdown of the duster no understand the story to mean that practically a revival of religion. Noreliable results could be inferred as Gideon again and again sought coun-thing other and nothing less could

ity with age. When you hold eggs for so requested by the grower—of all lime-sulphur and either arsenate of SOME INFERENCES FROM THE ABOVE. word was spoken in his mind and as people to-day can be brought to lead or arsenate of lime, averaged 2.6 (a) The best time to apply the first heart. God worked through the mind the love and service of God is there spray this year was at the pre-pink and by the hand of his chosen man, any hope. Pure religion inspires the

> the manufacturers, four applications sprays helped in the control of scab. being given and all well timed and No one can afford to omit any of these

8. Wettable sulphur was shipped (c) The best combination of sprays too late to use on any but the third or taking everything into account was, in the first and second spray. Trees 40 formula) for the first spray, Bor- the secret of getting eggs, particular- age per cow of 5,990 lbs. milk and All growers of potatoes intended thus treated averaged 3 per cent. scab. deaux of the same strength and arsenly in winter, is in the feeds given and 217.6 lbs. fat to 7,884 lbs. milk and seed purposes, who have not vet 9. Trees sprayed with Bordeaux ate of lime 1 pound for the second,

ing Bordeaux mixture and was, of (g) There is no need of using limecourse, much more convenient to use sulphur stronger than 1 gallon to 35

Southern Italy exported last year 15. Four sprays this year were no that the main infection period for scab Water rises in the soil by means of ployment selling our complete and extraction. That is, the clusive lines of whole-root fresh-dugcountry certain varieties are picked where the experiments were conduct- was before the blossoms burst. There- water passes from each particle of to-order trees and plants. Best stock green and eaten as fruit. The husk is ed. Last year a fourth spray was fore any person who omitted the early soil to the next, the same as kerosene and service. We teach and equip you noved and the soft green shell and very valuable, especially in prevent-sprays should not blame the spray for in a lamp-wick rises from fibre to free. A money-making opportunity. not controlling scal

The Sunday School Lesson

FEBRUARY 24

The Period of the Judges, Judges chs. 2-16. Golden Text-I will heat their backshiding, I will love them freely-Hosen 14: 4.

bed.

Dig a pit 3x6 or 6x6 feet, two feet deep, on the sunny side of a building.

Charge on application to the Veterindeep, on the sunny side of a building.

Discreption and use, can be obtained free of charge on application to the Veterindeep, on the sunny side of a building.

Ottower

A list of disinfection and use, side of distinct the first sine is not always punish. Took causes of the national degeneration to the repentant tion. They were prosperous enough.

The people All round him in Esdraelon were wayof Israel faced this fact themselves in ing wheat fields, laden orchards, fruitthe days of Assyrian and Babylonian full vineyards, olive groves, and lovely oppression. The book of Job strug- gardens, one of the most beautiful when placed on top. Get a load of get that the greatest assets of all are mystery in the hand of omnipotent honey." But the independent courage wisdom. Fundamentally, however, the and glory of the people had departed, days, fork it over, let heat again and put into the pit, tramping firmly, until I solder an inverted tin pan (which ill with the righteous. It does go of marauding pirates. Even Gideon put into the pit, tramping firmly, until I solder an inverted tin pan (which ill with the wicked. The signs of must thresh his wheat in hiding. Midmanure is eighteen inches deep. Place can be bought for ten cents) to the God's wrath are not always present ianites, traveling merchantmen of the sash over pit, bank firmly with earth bottom of my lanterns. It prevents and visible, but his wrath against sin desert, had long coveted the riches of and a few days later place a four-inch upsetting just as well as a cement is inevitable. None can escape it. And the rich corn fields of Israel, watching layer of soil over the manure. Plant base, and is much lighter to carry. As just as sure as his wrath, so sure is like vultures the jealousies, divisions. seeds in this when temperature gets it presents a ring on the bottom it his mercy to the distressed and the weakening morale and failing courage

alternate rows of Snow and McIntosh arsenate of lime. This cost 25 per apples about 20 years old.

The following are the most impor- ate of lead. (The hydrated lime was them Called of Cod to be the nation?) Hannel and Ciden? foliage.) The next cheapest the idol worship which had its seat in championing to-day first application was 1 gallon to 35 won by men who were "fearful and sturdy patriotism, and consecrated afraid." When permission was given, common sense, and shrewd bravery of a great number turned back and Gi-modern Gideons.

for cent. scab.

6. Trees sprayed with dry limestage, though the semi-dormant stage while Gideon ascribed all his strategy soul, corrects the judgment, clears the and skill, and his final victory, to God. vision, ennobles the motives, leads to These tags are issued by the Domin- sulphur, not soluble sulphur, at the gave good results too.

Here, then, he was made to see that, right decisions, and kindles victorious in conflict with so powerful an enemy, faith.

vantage ground of his farm, a middlewriter of this history is right. It is leaving them in weak and servile fear in it everywhere the working of the spoilers." In the endless fights and skirmishes of the period. Gideon's Ch. 7: 2, 3. The Lord said unto brothers had lost their lives. The Gideon. We turn from the general times are troubled, but here is a man statement of God's way with Israel, who still retains his deep piety, and to the story of one of the judges, the heroic courage of a true son of Gideon is raised up by God to de- Abraham. The spirit of Joshua still

sel of the Lord in prayer. The divine save the nation. And only in so far

ling hens and those older are very 264.1 lbs. fat. In Ontario an average (e) Some have thought that stone rarely good producers during Novemincrease per cow was registered from Cold Storage Branch, from May to 12. A large excess of lime in mak- lime was superior to hydrated lime in ber and December. They are uncer- 6,432 lbs. milk and 218 lbs. fat to 10,-October in each year, show that but- ing Bordeaux mixture seems desirable making Bordeaux but there seems no tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. milk and 346.4 lbs. fat, and tain even in January and February 235 lbs. tion falls below fifteen per cent. dur- Alberta an average per cow was inout of 55 possible points. Manitoba 3 lbs. bluestone, 9 lbs. hydrated lime, tute dry lime-sulphur for the ordinary making much profit. The age at lbs. fat to 8,359 lbs. milk and 254.6 which most pullets begin laying is lbs. fat, an increase of 3,766 lbs. milk 13. Hydrated lime gave just as sat- will doubtless work well, but in a year from six to seven months; some lay and 86.4 lbs. fat. isfactory results as stone lime in mak- favorable for scab it seems inferior. at four and one-half to five months, and others not until eight or nine months of age. This mean that if a or 40 gallons of water for the first fifty per cent. egg yield is wanted in consist of one selected queen and 75, November the pullets should be hatch- consist or one selected queen and to November the pullets should be hatch- 000 to 100,000 workers. There should lime to lime-sulphur before adding In conclusion it may be of interest ed during March or April; May be as few drones as possible. as a rule, not forty or more per cent.

Profitable Cow Testing. Cow-testing has shown an improve-

ment in three years in one herd in Many people appear to believe that Prince Edward Island from an averfruit averaged 33 per cent. scab.

10. Where Bordeaux was used for the first two sprays and lime-sulphur the first two sprays and lime-sulphur tate or black sludge with lime sludge Botanist, Central Experimental Farm, Ottawa, as early in the season as possible in order that arrangements may be made in good time to meet their requirements.

10. Where Bordeaux was used for its cheapness, its making no precipitate or black sludge with lime-sulphur and of its equal killing value compared with arsenate of lead should, so far as one can judge, be substituted be making careful plans to secure the little russeted.

10. Where Bordeaux was used for its cheapness, its making no precipitate or black sludge with lime-sulphur and of its equal killing value compared with arsenate of lead should, so far as one can judge, be substituted be making careful plans to secure the little russeted.

10. Where Bordeaux was used for judge its cheapness, its making no precipitate or black sludge with lime-sulphur and of its equal killing value compared with arsenate of lead should, so far as one can judge, be substituted be making careful plans to secure the lead. It must not seem an average per cow of 6,682 fruit too was but little russeted.

11. Arsenate of lime gave as good however, be used with water alone says Prof. W. R. Graham, Poultry lbs. milk and 254.2 lbs. fat to 8,164

A good colony of bees at the begin-

Luke Brothers Nurseries iteratreel