

Picking the Profit Producers.

as poultry culling has become the best is hard and lifeless to the touch. success and profit.

The business of poultry raising has be productive." quantity and often provided unsuit- ductive one, and one which moults late tree. When bottomless bags are used able houses both from the standpoint is one which will usually fill the egg the pickers will often let the fruit of senitation and protection from the basket. Early moulters usually take shoot into the barrel with a great deal weather. Such conditions would make a great part of the season to do heir of force, thus causing a great deal of it impossible to produce profit from moulting and will not be productive damage to the fruit. of proper housing and the use of egg- hand, late moulters have undoubtedly laying rations and through these we been busy in egg production during we never could get down to what may moulting off until fall. They usually be called efficiency in poultry raising moult quickly and start laying again until the poultry culting method be- when egg prices are up. came thoroughly established.

will be quite certain to find a similar thers may not be as handsome as body back of it. A head which indi- those of the hen that has been a star of the heavy producers. The skull sion, "Fine feathers do not always should be moderately narrow and the make fine birds." face lean and delicate. A wide skull There is every reason why the with hanging eyebrows and an indi- farmer who raises hens, and the most cation of fatty wrinkles is common to of them do, should become acquainted the kind of bird which will put on with this method of poultry selection. fieth rather than to produce eggs. In practicing it he has everything to Preference should be given to the hen gain and nothing to lose. Whereas, heavy set. The beak should be short! It is understood, of course, that and strong and slightly curved, and poultry culling will not take the place

covered with whitish scales. A very not do her full duty. disease. A hen that has a crow type of head will never be a producer and the might as well be consigned to the market crate right away.

On the yellow legged birds, the pigmentation test is also of value to determine the laying qualities of the cause the hens are not getting suffihen, especially her past record. It is a proven fact that the yellow legged bird will "lay out" the yellow color he her legs, around the vent, the watties, and in the ring around the eyes. The hen that has bright yellow legs time. The legs of a heavy laying bird thing on the farm. become almost white, although a short rest may cause some of the yellow pigmentation to come back or to be restored. In the use of this test, one must guard against the freaks in the yellow-legged breeds which are some- safe way to make Bordeaux mixtures. times born with light-colored legs, assuring the most effective spray The use of the pigmentation test is solution, is now recommended by sevestally supplemental to the other eral experiment stations.

take into consideration. A few years phate with twenty-five gallons of pantry, as you can see by studying the second window was cut through alongthen it has been found that the ca- water in another container: and by pacity of the hen is best determined pouring the two dilutions together. by the distance between the keel bone | The modified method, said to be just and the pelvic bone, and the flexibility as safe and more convenient, is of the egg sack. Hens which are non- scribed as follows: producers often have the keel bone Suppose you have a fifty-gallon and the pelvic bone so close together tank to fill with 5-5-50 Bordeaux. that it is hardly possible to get more Place in this tank five gallons of the one finger between them. Good stock copper sulphate solution, equivlevers show plenty of room for four alent to five pounds of crystals, and Angers. This space between the keel then add thirty-five gallons of the stock being a progressive farm woman took.

Next take five gallons of the stock being a progressive farm woman took.

Next take five gallons of the stock being a progressive farm woman took.

The tank was placed in the bathroom. We used to have a jar which held be mixed and then partment of Agriculture. Ottawa, on worked into a paste with two and egg production. Depth from the back stone lime, dilute it with five gallons to the keel bone is also desired. The of water, pour it into the copper sulhird that is lacking there and is high phate solution, and stir the two toen legs does not usually show ca- gether. Remember always to dilute

The quality of the egg sack is de- Never add concentrated copper sul-

bone. On a good layer, this should "Poultry colling" is a comparative- be flexible and mel'ow to the touch it. Fruit spurs often cover the ground of the poultryman. This term already like. On hene of the beefy type, this is the crop for the succeeding year

from poultry raising the enermous and quality of the egg sack, the bird done. A simple twisting movement leaks which have stood in the way of must be properly handled. Unless she up and down on the fruit removes it Boultry culling may be well com- correct conclusions might be derived. and this easy removal is usually a fair pared with the Babcock test of the Hold her firmly in the right hand, indication of the maturity of the fruit. cairyman. By the use of the Babcock balancing and supporting her weight The stem may be broken without burtbeen able to eliminate the star board- the left thigh. Held in this way, the should never puncture the skin or be ers from his herd. Before it came in hen makes no effort to escape and the pulled out of its socket.

The receptacle selected for picking to determine which of his cows were ity can easily be made with the left should prevent all bruising, as far as producing a profit and which were hand. The right leg should be free, possible, and should give ease in handcauses of losses. In the same way the as otherwise a cramped condition of ling. Theoretically, it would seem practice of poultry culling enables the abdomen may result and a proper that bags or canvass bottom pails the poultryman to select the hens determination could not be made. Mr. would be the best for picking, but which are his lest layers, those which Foreman says that "capacity indicates practically such is not the case. There have a fair capacity for laying and the rate of yolk elaboration on the is a bad tendency among pickers to also those of which it might be said cycle of production, but the quality let the fruit fall into the receptacle, that it would be throwing money away of the egg sack determines the rythm and this is one of the many ways by to feed except for fattening purposes, or the number of months the hen will which a great deal of fruit is injured produced spring litters of pigs are many years.

few hens that were kept would be in selecting a productive hen. A busy protecting it against bruising when thrown feed of indefinite quality and happy, singing hen is usually a pro- coming in contact with the ladder or even the best hens. At first we learned until the next spring. On the other would obtain increased egg yields, but the summer, therefore have put their

Many farmers have cent their mos Pcultry selection is based upon the productive hens to the market at the conformation of the hen and her time they cull them out in early fall physical condition. One of the most The usual practice has been to save important indications of the condition the best looking hens and to market of the hen is the head. A study of its those which may look somewhat conformation will show many valu- straggly. A hen that has been active able points that will be substantiated in egg production is usually not in the by other examinations. For instance, best physical condition, because egg if you find a healthy, refined head, you production is a great strain. Her feaeates feminism, intelligence and alert- boarder, but she gets results. In this ness is one which will be found on all respect we can fitly recall the expres-

During the summer when the hens have opportunity to pick their living care should be taken to give them sufficient extra feed to keep them in good shape. Egg production very frequently falls off during the summer, becient feed to maintain their bodies and produce eggs. An examination of many farm flocks would show that the hens are too thin to even be called

A hen properly selected and proper-

Easy Way to Mix Bordeaux:

careful and progressive growers, was The condition of the egg sack is to make the standard 5-5-50 Bordeaux one of the most important things to by mixing five pounds of copper sulknown, the flexibility of the pelvic five pounds of copper sulphate with hance was supposed to be the best twenty-five gallons of burned lime indication of laying, however, since with another twenty-five gallons of

Picking Apples.

One of the most important opera-

The ladder thould never be leaned; into a tree, if it is possible to avoid means much to the poultry industry part of the anatomy, while developed, damaged, but openings for disease are left in the tree itself. The act of pickand most certain means of eliminating To properly determine the capacity ing is a very simple one if correctly

which a great deal of fruit is injured be productive."

When Paul, with his little company of missionaries, reached Pisidian Analyse and unity, about the fruit to be damaged by not needed before shipment. Others of pigs are which a great deal of fruit is injured sent to market. Some of them are of missionaries, reached Pisidian Analyse and unity, about the fruit to be damaged by not needed before shipment. Others of missionaries, reached Pisidian Analyse and unity, about the fruit to be damaged by not needed to round out on the great the Lord. The council enjoined sent to market. Some of them are only that Gentile Christians should, allow the fruit to be damaged by not needed to round out on the great tioch, he found himself on the great tio

Lime in Agriculture.

in proper quality, and at the proper time will prove beneficial to most soils. Used otherwise, its effects are the reverse. That there may be no lack of knowledge on the subject, there has been issued by the Departvised edition of a bulletin entitled business. "Lime in Agriculture," in which the Dominion Chemist, Dr. F. T. Shutt, has dealt comprehensively with the

lin British Columbia. Some exists in tions performed on the fruit farm is Manitoba in the vicinity of lakes the picking of the fruit, because in Winnipeg and Winnipegosis. Other-many-cases the next year's crop of ap-wise there is none available on the low the apple picker to pick two years' tural Lime," but the advice is tendered that purchases should be made only

shown to have deposits.

are simply allowed to round out on Roman read which ran east and west stain from certain things which were fection of their lives. But there is grass and sent to market only partly through Asia Minor, along which peculiarly offensive to their Jewish One who, if they will go straight to finished, where they are known as came heavily laden caravans, and Ro- neighbors and fellow Christians (vv. One who, if they will go straight to

able for the production of mess pork the world of their time. With these of Antioch, in which the work of Paul whole and strong and beautiful again and lard rather than for sale as fresh he must sometimes have conversed, and Barnabas was commended. A He can make the weakest spots in low well finished barrows and smooth young sows. "Butcher hogs" usually seaport, meeting place of east and The victory was won, and the way advance in price during the latter part west, to the ships which sailed over was open for the apostles of the Genof the summer but grassy sows ad- the sea to Greece and Italy and far- tiles to continue their work. They vance but little after early July.

Is your farm losing its fertility? Did you do it? What? Let your ment of Agriculture at Ottawa a re- son in as a partner in the farm

imestone of excellent quality is to be if they are forced to fight flies.

found in many parts of Canada, especially in the East and at some points The Sunday School Lesson

AUGU ST 21.

ere picked. By all means do not al- prairies. What is known as lime kiln Paul Prepares for World Conquest. Acts 15: 1-16: 5 Golden Text-Acts 15: 11.

Connecting Links-The one great | Paul and Barnabas had staunch er is not careful in picking the fruit. on analysis as to the percentage of fact which this first adventure of the friends and supporters in the Antioch quick lime, carbonate of lime, etc., apostles of Christ into the great world church, but these trouble-makers from present. The chief objects of the ap- outside of Palestine and Syria proved Jerusalem must also have had a folplication of lime or carbonate of lime, was that Gentiles as well as Jews, lowing. There was grave danger that her aunt and showed her the pitiful are the neutralization of sourness and were ready for the gospel, and that the little Christian community would fragments. "I know an expert mendby recent addition to the vocabulary and should feel full, warm and life- under such conditions; and not only the poultryman. This term already like. On hene of the succeeding were ready for the gospel, and that the little direction to the vocabulary and should feel full, warm and life- under such conditions; and not only the improvement of the mechanical wherever they had gone men of all be rent and torn by dissension. It was er of glass and china," her aunt said the improvement of the mechanical wherever they had gone men of all be rent and torn by dissension. It was er of glass and china," her aunt said the improvement of the mechanical wherever they had gone men of all be rent and torn by dissension. It was er of glass and china," her aunt said the improvement of the improvemen races had listened eagerly to their decided, therefore, that Paul and when she ended. "Let me take the condition of soils. The characteristic message, had believed and entered Barnabas should go to Jerusalem unto of the soils that should be treated are into the household of faith. This the apostles and elders about this pointed cut and the influence of lime meant surely, if Christianity were to question. At first informally, and explained. The comparative values be triumphant, that the world of the then to a formal gathering of the eral weeks she heard nothing. Then of the different kinds are set forth as future would not be a Jewish world leaders of the church, they told their one day sunt and vase came back towell as the methods of application, only, and that the long expected sal- story. Their antagonists were there gether. Alice fairly gasped in aston-Attention is given to the use and mis- vation would embrace both Gentile also to present their case. In Jeru- ishment; so cleverly had the man use of lime and results from detailed and Jew. It meant the yielding of salem practically everybody kept the mended the vase that she could hardly experiments. A table shows the come those national hopes and ambitions Jewish laws, so that the feeling must see where it had been broken. experiments. A table shows the com- which the Jews held so tenaciously, have been largely against the two test and the scales, the dairyman has by the fingers, while the thumb grasps ing the salability of the fruit but position of limestone found in four- in order to find a larger hope and a brave missionaries. At a critical moteen places in New Brunswick, nine more splendid ambition in the pros- ment Peter came to their aid by tellin Quebec, six in British Columbia, pect of a united world, the old barriers ing the story of his visit to the Roman says it is so strong that it will never nine in Nova Scotia and ten in On- broken down, and peace, brotherhood, Cornelius, and how Cornelius and break in the same place again." tario. Prince Edward Island is also and goodwill taking the place of en- those with him had been baptized and The old vase may be taken as a mity, strife, and hatred. It is no won- had received the Holy Spirit. der that the telling of their story The decision of the Council was The vase seemed past all mending shook the church both at Jerusalem spoken by James, who was a brother yet the expert made it whole and and Antioch, and that those who held of Jesus and the acknowledged head strong again. Many a drunkard has the old and narrow national idea of the Jerusalem church. He recalled should have been stirred to active the fact that the ancient prophets had seemed past reforming, yet by the antegonism. The opposition which foretold not only the restoration of grace of God he has been redeemed. Every year during July, August Paul now encountered was to follow the Jewish kingdom, the tabernacle of Many a sin has made jagged scars and September a lot of sows which him with increasing bitterness for David, but also that the Gentiles in some poor soul, yet salvation has

man legionaries, and many a traveller |20, 21). Letters were written and sent | Him with their broken resolutions The carcasses of such hogs are suit- and scholar seeking to know more of by two trusted men to the Christians and ideals, can and will make them and we can imagine his gaze turned great victory had been won for Chris- any life so strong that never under Lycus valley, to Ephesus the great 15: 36-16: 5. Let us go again. disaster or force of evil will they off Spain, and to Athens and Corinth could go everywhere now, with the and Rome. Already he must have full consent and accord of the great Machines Must Run at Proper entertained the hope of some day car- leaders and founders of the Church. rying his victorious gospel along that and open the door wide to their Genwestward road, and of winning the tile converts. In Christ there was to Roman empire for Christ.

in particular to circumcision.

The electric light system and the

15: 1-35. Certain men which came to be one in faith, whatever difference a limited variation either above or down from Judea. These were Jewish of practice or custom, or law there below this speed. It will do its best converts who held that all who believ- might be. The way was open for a ed in Jesus should conform to the triumphant progress of the gospel to Do not stop with the spraying of Jewish laws. For them faith in all the nations. subject. From this bulletin it is the dairy cows. Calves will not make them was not enough for salvation. The thought of Paul turned now to the best results will not be secured learned that there are several classes proper growth, beef animals will not They were willing to admit the Gen- the young and struggling Christian and often serious failure will reof lime, such as quick lime, burnt lime, gain flesh and horses will not be able tiles, if the Gentiles would submit communities in Ga'atia, and he pro- For instance, the gas engine may

John Mark, could not be settled. He for pressure and strains coming out of the coat closet in the was naturally ready to forgive him for something is likely to break A door which in the old arrange- Long afterward we know that he was

Paul and Barnabas were horrified action is very close on the adoption of when men thought they were gods, the following speeds: 1,500, 2,600, "We also are men of like passions 3,000, 3,250 and 3,500 feet per minute. with you," they protested. To-day's It means that manufacturers will lesson teaches how true those words have to carry fewer pulley sizes were. Apostles, leaders though they stock and buyers of machines will obhaps it is a good thing for us that tain not only the direct advantage we have this account of the sharp resulting from this, but the great addifference of opinion which took place. vantage of not having to change pul-Some people are very fond of talking leys when it is desired to use certain about the "good old times," and the machines. wonderful people who lived long ago. They disparage everything modern and praise everything which happened the past. If such people would just take their New Testaments and read over the Acts of the Apostles or some rier is all that is necessary to rid the of the epistles which had to be written premises of this dangerous pest. There Alexander Maclaren used to say

candour. We all know what it is to ones, and equally effective. read a book of fiction in which the One-quarter of a pound of carbonhero conducts himself so that there ate of baryta, six ounces each of his conversation or his conduct. The

Imperial Fruit Exhibition.

oven. It meant no end of steps that connection could be easily made with farm like ours, with all the malk cans tries and entry fees in the Overseas ered white arsenic, and one-quarter to assist in heating it, as the house twenty-five gallons, and was filled partment of Agriculture, Ottawa, on worked into a paste with two and

British Empire and Overseas ex- suct or mutton tallow.

MENDED FOR GOOD

Alice had broken one of her most cherished belongings, an antique vase that had been her great-grandmother's. She wept disconsolately over the jagged pieces and then, although they seemed useless, she laid

"It does look pretty good, doesn't

symbol of a life that sin has marred should, with the residue of men, seek made it whole and beautiful again.

any temptation or under any crash of break again.

A machine is designed to be operbe no more Jew nor Gentile-all were ated at a certain speed or with only work when operated at this speed and if it is operated at any other speed caustic lime, stone lime, etc., also that to do their maximum amount of work themselves to the Jewish customs, and posed to Barnabas that they should go designed to operate at a maximum and visit them. Perhaps his thought speed of five hundred revolutions minute. It may be uneco Sea, to Ephesus and Smyrna, and the perhaps dangerous to run it at a speed other Greek cities, and the islands and faster than this. The lubrication, the reciprocating parts, the flywheel and The contention which arose about the bourings have all been designed

With power units and power driven machines fast coming into wide use. it 700 revolutions per minute, while an-Timotheus, or Timothy, was a na- other one may have an eight-inch tive of Lystra, a young man who had pulley, supposed to run at 900 revolubeen led to faith in Jesus Christ upon tions per minute. It is clear that conen. Dishes and supplies were all pump for the water supply are in a Paul's first visit to that city. Of his fusion is sure to result if the machines

the proposals which are being mad-In last week's lesson we saw how to standardize belt speeds and final

Getting Rid of Rats.

Sometimes a good cat or a are various rat poisons on the market which have proven very successful. that one of the surest proofs of the The following home-made poisons are truth of the iBble was its perfect probably similar to some commercial

s never a flaw to be found either in sugar and oatmeal or wheat flour, and herces of the Bible are not set forth ture a strong odor makes a very good to have the poison ready for use. This is also a slow-acting poison. What is called French paste is also used to rid the premises of rats. This is made of three pounds of oatmeal or Entries to the Imperial Fruit Exhi- wheat flour, one-half ounce of powderone-quarter pounds of melted beef

To get the best results from any of these poisons, they should be put in can af- to keep them from other animals and poultry.

Why Women Stay on the Farm

The comb should indicate a good money in giving proper housing and You wouldn't believe unless you saw south of the door between kitchen the old pantry has been made into a westward from Antioch. healthy red and should be of good size good care to hens that will never pro- it, how much difference just changing and dining-room. for the breed. When a hen is laying duce a profit. On the other hand, it that partition and altering the posi- In the old arrangement of rooms er is ready to lay, her comb and wat- stands to reason that a hen which fills tion of stoves, tables and cupboards there were no cupboards in the kitchtles are plump and full of blood and all of the good-laying requirements, could make in a day's work. should have a somewhat waxy feeling unless she is given the food with Mrs. Baird owned the kitchen, which, being mother and grandmother Paul speaks are connected up without looking to to the touch. When she is not laying, which to produce eggs and a house in she has a shrunken comb which is which to live that is sanitary and she has a shrunken comb which is which to live that is sanitary and the things which should be in it. In The flour bin and broad shelf were on laundry. Water, pumped from the churches.

has been a low producer, or to say ly cared for will produce as much for the least, has been resting for a long the time and trouble involved as any-

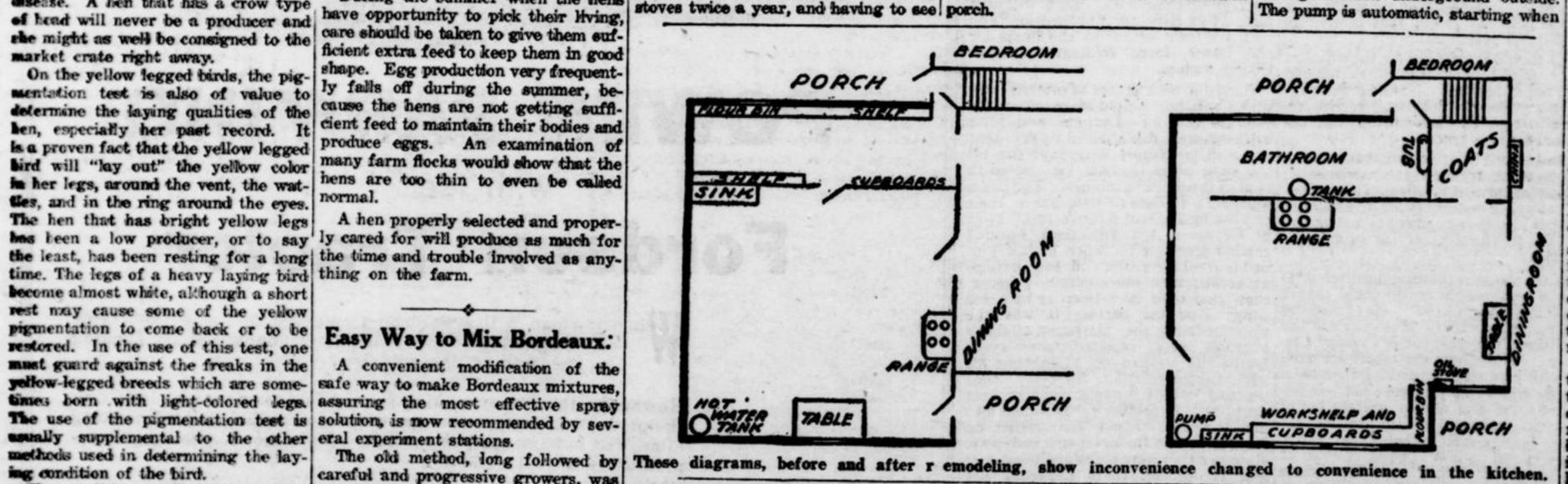
A convenient modification of the

the copper sulphate before mixing.

If you are one of the many women | corner. A door led from the kitchen | up by the pantry door, the cupboards | was nearly related to Barnabas, who from this speed, and if it be exceeded whose work is made ten times as hard onto the porch.

as it need be by an inconvenient kitfive feet off the large dining-room, with an eval eye which shows con- by the old method he is virtually chen and a misplaced pantry, this thus making the kitchen irregular in siderable of the eye membrane direct- throwing money to the winds when he story of how another farm woman shape, but giving room to bring the has been utilized to give an outside with him in his Roman prison (Col. tion to the matter of speeds. Tracty in front of the eye-ball. The jaw is feeding a lot of hens that produce completely changed her home by mov- cupboards from the pantry into this entrance to the bathroom so that 4: 10 and 2 Tim. 4: 11). The friends tors are made with different sized ing a partition along five feet, and from the dining-room was needed for climinating the partry altogether workers who had been sent with the let eliminating the pantry altogether, kitchen space, so this was made into in the kitchen. This door opens into a ters of the Jerusalem council to Anstance, one ensilage cutter may have the distance from the eye to the beak of proper housing and good care. It may give you an idea of how you can a closet for the men's outside gar- little vestibule, which opens out upon tioch (15: 22). This time he went only eliminates the waste of time and overcome some of your difficulties. ments, the entrance being just at the the screened-in porch. The window in overland, travelling northward and a ten-inch pulley, supposed to run at

half-window in the new bathroom. fact, it was the summer kitchen, with the opposite side under a window well by a windmill is stored in a all that implies in the way of moving which looked out on a screened-in storage cistern underground outside.



termined by examining that portion phate either to weak or strong lime opposite wall under one window, and the dining-room a chine closet was machine, though

first illustration, opened off the din- side the other, and a work-shelf with tric vacuum cleaner, and electric iron and cowardly we have an account of it. victims generally leave the premises ing-room. There wasn't a door into cupboards beneath built along this en- are among the labor-saving devices If Job loses his patience and Divid in search of water. Barym carbonate it from the kitchen, just a little pase tire north wall, with the exception of which makes life on the Baird farm his purity we have a full recital of and oatmeal is also a good remedy. window through which dishes and space enough for the sink and cistern easy, but in spite of these convented details. And so here in the New meal, made into a stiff dough by food might be put. Flour bin and pump. The door leading onto the porch iences Mrs. Baird declares that if she Testament we read of the inconsistenmoulding toard were in the pantry. was walled up and boards built in could have but one electricity or run-This meant that on baking days in this niche, with flour bin and mould- ning water—she would take the water. isms of Peter and Paul and Barnabas, summer, you stood in the pantry to ing board beneath. This brings the "Nobody knows unless they have and many other servants of God. get your cookies ready to bake, and things for baking altogether. The old had to go without it, just what runwhile you might put them through pantry was then converted into a ning water means to a housekeeper," the window into the kitchen, you had bathroom. The range was moved from she says. "You can't imagine how to travel around out there through its position by the dining-room wall, much water it takes to do the day's

your dining-room steamed up in the The cupboards were torn out of the tank, which holds only a pailful, in that light. If Moses loses his tem-

the dining room to get them into the and set next the bathroom wall, where work on a farm, especially a dairy bition close September 30th. All en- ed indigo, four ounces of finely powdwas a rectangle, about 11x12 feet. The The table, little used as the work- we emptied this and had to have more from the windmill, but many a day or before September 20th. range stood against the wall separat- shelf under the windows takes its water. Now just to turn a tap and hibits must be entirely separate. ing the kitchen from the dining-room, place, was put in the space to the left have all the water you want to run C. W. Baxter, Fruit Commissioner. the sink was in the farthest corner by of the dining-room, with the oil stove out seems to me a greater laborthe pantry wall. The table was on the on the porch side of this edcove. In saver than even the electric washing.

A dairy farm should have a sile, and to frequent. Care should also be taken

> ONTARIO ARCHIVES TORONTO

master your ge expects Your 1

mind.

every d

a hot win Multipl they cove United St

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Look e Up there sions of i wait to sh enough? geons? In Mose

A peasar A fanatic ing of the r A vulture

who went