

CUNDUCTED BY PROF. HENRY G. BELL

CONDUCTED BY PROF. HENRY G. BELL The object of this department is to place at the ser-wice of our farm readers the advice of an acknowledged authority on all subjects pertaining to solls and crops. Address all questions to Professor Henry G. Bell, In care of The Wilson Publishing Company, Limited, Toron-to, and answers will appear in this column in the order in which they are received. When writing kindly men-tion this paper. As space is limited it is advisable where immediate reply is necessary that a stamped and ad-dressed envelope be enclosed with the question, when the answer will be mailed direct.

Copyright by Wilson Publishing Co., Limited

v. b.:--Please give me some sug-geston on how to treat celery blight. manure with good purpose, putting it day. These parables on prayer in our lesson to Answer:--To treat celery blight on after the lime and before the frost aspects of prayer, not with the whole unjust, adulterers. The Pharisee prepare a mixture of Bordeaux which has gone out of the ground, or you is made as follows: Dissolve 4 lbs. can get very good results by a top quick lime in a wooden container and dressing of fertilizer, scattering it at 4 lbs. copper sulphate in another the rate of about 200 to 300 lbs. per should pray. wooden pail. Empty both of these acre as soon as the soil is sufficiently into 20 gals. of water. Immediately, dry in spring for a team to work on it you have made the solution spray it without injurying the growing crop. on the celery in a fine spray forcing I would advise your using a mixture it down among the leaves as thorough- analyzing about 2-12-2, that is, 2 per ly as possible. This spraying should cent. nitrogen, 12 per cent. phosphoric

especially if you are careful not to as required. Please let me know what his own interest. A mara man to move, sow too much seed. I would recom- chemical I should use in the muck to Vs. 8-5. There was a widow; a poor mend not more than a bushel to an make a good fertilizer for potatoes, and friendless woman and therefore acre if you are seeding alfalfa at the and other garden vegetables. Would one who would have enlisted the sym-

acre if you are seeding alfalfa at the and other garden vegetables. Would one who would have enlisted the sym-same time. Bartey has been used with it do to mix the chemical with the pathy of a just judge. He would not exceedingly good results since this it do to mix the chemical with the pathy of a just judge. He would not corresponding gain. But afterward; because she did not desist in her en-way by the time the young alfalfa is well started. O. L. B.:—Next spring I wish to sow alfalfa with winter wheat. Would it be advisable after top-dressing with farmyard manure? Would it be advisable to sow line on the wheat, and what would be the best time to sow alfalfa?

of the bacteria that are found on the However, see that this is mixed well oats and alfalfa. In preparing your with the soil before dropping the ground for the sowing of alfalfa you pieces of seed potatoes.

Three Posts to an Acre.

3 POUTTY E

To stop roup start immediately to Increase the scratch feed. If possible, feed our skim milk, or buttermilk in me form.

Give them a dose of Epsom salts at once, at the rate of about one pound posts so that three of them would just per 100 birds. Feed it mixed in a wet mash about two hours before they go to roost. You may have to keep other feed away for about six hours before feeding the salts, so they will be hungry enough to eat plenty. The next day start feeding ordinary ground subphur or flowers of sulphur at the rate of one pound per 400 birds, in a wet mash, every day for ten days. Then give another dose of Epsom salts. If the birds are not by this time pretty well over their roup, repeat the treatment at the end of ten days again.

The Spirit of Prayer, Luke 18. Golden Text-The sacrifices of God are a broken spirit: A broken and a contrite heart, O God, thou wilt not despise.-Ps. 51: 17.

FEBRUARY 11

I. Praying With Persistence, 1-8. Vs. 1, 2. That men ought always to pray...not to faint. Moffat trans-lates "about the need of always pray-ing and never losing heart." It is not unending grayer that Jesus urges. A

It as possible. This spraying should begin as soon as the celery is well started after setting in the field and should be kept up at least five to seven times. Do not use the Bordeaux mixture if it has been standing any length of time, but mix up fresh material every time you have to spray.
K. K. — I would like to know whether I shall sow oats with the alfalfa seed this spring or alfalfa alone. Answer: — Early cats make very good nurse cropt to sow with alfalfa, alone. Answer: — Early coats make very good nurse cropt to sow with alfalfa, sow too much seed. I would recomM. F.: — I stored a quantity of dry should be kept up at least five to seven black muck last autumn, and as my that Jesus commends. The opposition commends. The opposition commends apart in shame and confident isolation. The publican stands apart is not between praying always and the stable and place this directly under judge, which feared not God, neither attitude and bearing. Would sow oats with the alfalfa some the box below which is filled with dry good nurse crop to sow with alfalfa, sequered. Please let me know what sow too much seed. I would recom-

visable to sow lime on the wheat, and what would be the best time to sow alfalfa? Answer:---If you have not applied lime to the alfalfa ground I would ad-vise that you scatter a fairly heavy dressing early in the spring before the frost goes out. This will sweeten the of the bacteria that are found on the elect of God. Though he bear long . . . he will avenge them speedily. If jus-tice has its long delays, so has love. God cannot answer immediately al-ways. We must wait long sometimes, but when the proper time arrives the answer will be as speedy (sudden) as the flash of lightning. God's delays are as loving as his answers. There-fore they should not make prayer to be faint. Shall he find faith. When the time is ripe for his coming, will it find God's elect praying in faith or waiting without hope. II Praying With Pride 9.11 When I built my lane fence, which is about the whole length of the farm, I wondered why I couldn't figure out

some way to tell where an acre was located by the distance across the end. Figuring the exact amount of land in farming, showed that I could set my

II. Praying With Pride, 9-11.

Lesson Setting—The subject of our unscrupulous dealings in raising the lesson to-day is that of prayer. The taxes. Going to the Temple was a whole the of Jesus was an exemplifi-habit with the Pharisee. Some strets cation of the place of prayer in life. of soul had driven the publican. Pray-How often we see Jesus steaking to ed thus with himself. The prayer is a the quietness of the mountain top to solidouy of the Pharisee with himself, refresh himself by communion with meant however to be overheard by God. Prayer was not for him a duty, others. The Temple brings no thought It was a necessity. It was a read part of God, but only a satisfied remem-of his tife. Prayer was not for him brance of himself. I am not as other an effort to bend the wild of the Facher men are. The Pharisee measures the to his will. It was a bending of his difference between himself and God. True parables on prayer in our lesson to-prayer measures the gulf between aspects of prayer, not with the whole unjust, adulterers. The Pharisee

in

1/21b

tins

others. True prayer asks God to forgive and forget our sins rather than to remember our excellencies.

III. Praying With Humility, 12-14. Vs. 12-14. Publican, standing afar ff. The Pharisee stands apart in

the right attitude and the right spirit of prayer, but also the right content of prayer. He confesses his utter sin-fulness and unworthiness. He exrutness and unworthiness. He ex-presses his need of and desire for mercy. He utters no defence or praise of himself, and no condemnation of others. This man went down . . justi-fied. The Pharisee did not find God because he did not seek him. The pub-lican went to his home with complete pardon and with a sense of that par-don. The Pharisee went to his home the same proud, unsympathetic, unlov-ing soul. The publican went to his home a new man. because he did not seek him. The pub-

Application.

The story of the man borrowing a loaf at midnight (Luke 11: 5-8), and the story in this lesson, of the unjust judge, go together; and taken together judge, go together; and taken together they make it very evident that our Lord put great importance on per-sistent prayer. "Importunity" is the word in Luke 11: 8. Dr. Moffatt trans-lates it, "He will give you whatever you want, because you persist." Again, as illustrating how emphatic is Jesus on this matter, Dr. Adeney, in the Century Bible, says that "ought" in Luke 18: 1 is literally "must"-that is to say, "It is absolutely necessary to pray, and that perseveringly-under to handle over a period of years more ume to handle the management can negotiate sales knowing that the product will come forward to fill the orders. This greatly strengthens the po pray, and that perseveringly-under all circumstances, never abandoning prayer in despair." sition of the association in the market If there is danger that the market will

not absorb the volume handled at good Christ follows the story with the question, "Howbeit when the son of man cometh, shall he find faith on the earth?" Shall he find the faith that prices the situation can be foreseen and the market extended by judicious

II. Praying With Pride, 9-11. This saves me lots of time in esti-make an acre. This saves me lots of time in esti-mating acreages. When a field is in corn I can count rows and tell about where I am, but in grain or hay I'm lost. Work this out on your farm. -E. R. To reflect back into human lines the work of a master. Dormant spraying is in order in the corchard, esbecially if you are troubled

vote all its energy to efficiently **Fundamental Principles of Co**marketing the product.

Other advantages of the contract system could be enumerated but these must suffice. It is a common saying Irrigated Farms in that the farmers will not stick together. The co-operatives which have adopted the contract have no trouble on this score. A definite and binding contract is a feature of all the large either the association or the member and permanently successful co-oper-

A Million Backaches.

and 15¢

pkts.

SMOKE

OLD CHUM

The Tobacco of Quality

This weakens

ing higher prices than the market

warrants in order to steal away the

the association and carried far enough

breaks it up. Then they have the field

to themselves again and can soon make up any losses they have sus-

tained. With the marketing agree-

ment signed by all the members outsiders have no opportunity for break-

ing up the association in this manner.

The members in each district need

have no fear in staying by their association for they know that the mem-

bers in all the other distnicts having signed the same agreement, are also standing by it. The marketing con-

tract is really an agreement between

the members that they will stick together and give their association a

capable men can be interested and

4. With an assured and known vol-

chance to show what it can do. 3. A better manager can be secured With the assurance of a large volume

their services obtained.

members' patronage.

One of the sad mistakes that this Dominion of ours has made, is in allowing the idea to persist that a kit-chen sink should be just so high, regardless of the length of mother's mortal frame.

It may be top much to say that all the ills of our beloved country can be traced to the fact that the wash-tubs are only twenty-seven inches from the floor, whereas they ought to be thirty inches because mother stands five feet four. But we do know that lawyens and politicians are all the time throwing fits over questions that are absolutely trivial and childish compared to this

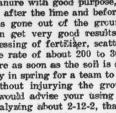
If mother is so tall, tubs, sink, table, stove, and ironing-board ought to be so high from the floor. If she is taller, they must be higher. Even if, by some miracle, she were to be four feet ten one day and five feet eight the next, every one of those blessed things ought to be changed every time she did.

That is what we think about the eal importance of backaches.

Dehorning Calves.

Many are familiar with the simple process of preventing the growth of horns on calves. Moisten the spot where the horn is to grow, and rub it with a piece of caustic potash till it looks red. That is all. An agricultural paper we read recently says: "Rub till the skin is broken and it begins to bleed." This is not necessary. As soon as the place begins to look even slightly irritated it need be rubbed no longer. It is best to do this before the calf is two weeks old. Only a little moistening with the finger, dipped in water as all that is required.

What teeth will you wear in 1930yours or some store's? It pays to care, and to take care,



Like sugar, butter, cheese, etc., seed catalogs early, make your choice honey is a highly concentrated food early, then order early. Plan for a stuff, but unlike the others, it is predigested.

hotbed and have early vegetables. Only under urgent conditions should

orchard, especially if you are troubled

Early-that's the word. Write for

bee colonies be opened during the mid-Home economists figure that the die of winter or when it is very cold, farm kitchen ought to be at least 175 since undue disturbance may start square feet in area. It should be well brood rearing, which would be very lighted, well painted, and have a lot undesirable. Brood rearing should not of table space. start until spring nectar is available.

For Home and Country

the fate autumn a number of Branches sent cheques to the Department, suf-ficient in amount to give a small cash Ohristmas gift to each member of a Northern Ontario Branch who was gending the winter in the fire-swept region. The accompanying letters, only a few of many sent to the Superintend-ent, indicate something of the appre-tent in mether at the upthelines.

with scale insects

the Norm was deep and expressed wonderful work. The associations that have, Anter that is a self-renowing the self in prompt and practical ways in the supply of food, clothing, materials for building and in money. In the bate autumn a number of Branches is a velcome gift indeed, as we lost is a velcome gift indeed at the long rendermation were associated were and in the present characteria. The present characteria is a velcome gift indeed, as we lost is a velcome gift indeed at the long rendermation were associated were associate Che Late autumn a number of Branches sent cheques to the Department, suf-ficient in amount to give a small cash Whitewood Grove Women's Insti-hold.

ent, indicate something of the appre-clation with which this thoughtfulness Branches, which we appreciated." There are two

Operative Marketing

By R. D. Colquette, B.S.A., Professor of Marketing Economics, Ontario Agricultural College.

ARTICLE V.

A co-operative marketing association of the member and permanently successful co-oper-under certain specified conditions, ative marketing associations on this thon must have a contract or market. Cancellation can be made only at the continent, and it is recognized by all ing agreement with its members by which the members agree to deliver the specified dates, success of a co-operative marketing all their product, of the kind handled The contract of the Ontario Co- enterprise. by the association, to the association operative Dairy Products Limited, a

For nonne and country Their Kindness Meant So Much The sympathy of the Institutes of the North was deep and expressed the North was deep and express deference with the

and help from a number of the appreciation with which this thoughtfulness on the part of their sister Institutes:
and help from a number of the Branches, which we appreciated."
Heasilip Women's Institute: (1)
"Heasilip Women's Institute: (1)
"Piease accept my thanks and "procedulon for your kindness. Wish to members in old Ontario have proved to be real helpers in every way and we are indebted to them for many useful things, also clothing, etc., and I hope if ever it is our turn to help we shall not be found far belfind in the great fire. Some of the state their kindness, and to be real helpers in every way institutes: (2) "I was agreeably surpreciate their kindness, which in the great fire. Some of the end of which all the great their kindness, which is to them, and it makes us feel we want to do more for the Institute."
Tharlton: (2) "I was agreeably surpreciate the skindness, wire is and we all feel very greate ful to them, and it makes us feel we want to do more for the Institutes."
Tharlton: (2) "I was agreeably surpreciate the skindness, wire is and we all feel very greate ful to them, and it makes us feel we want to do more for the Institute."
Tharlton: (2) "I was agreeably surpreciate the kindness, wire is and we all feel very greate heir kindness. The size I are very thankful."
Tharlton: (2) "I was agreeably surpreciate the kindness, wire is a the oblet was the oblet is to them, and it makes us feel we want to do more for the Institute."
The other type of contract is called the farmers against signing the great which continues in force indefinite period.
The other type of contract is called the farmers, up hy want to do more for the Institute."



Southern Alberta

Southern Alderta In the Famous Vanthall District Bow River Irrigation Forose An especially good location for mixed farming and dairying. Splendid op-portunity for young men now living in districts where good land cannot be bought at reasonable prices. THIS 18 NOT FIONEERING, the first 10,000 acress now ready for settlement; maximum distance from rallroad seven miles. Good roads, telephones and schools. Easy pay-ments, extending over 18 years. This Is the Bost Land Buy in Alberta Write for further information to: CANADA JAND and IBRIGATION COMPANY, LIMITED Medicine Hat, - Alberta

CENTRAL NURSERIES

Have the kind of Trees, Shrubs, etc., you want to plant. The best that grows and sure to please. Free catalogue. No Agents.

A. G. HULL & SON ST. CATHARINES, ONT.



HORSES COUGHING? USE Spohn's Distemper Compound to break it up and get them back in condition. Thirty years' dse has made "SPOHN'S" indispensable in treating Coughs and Colde, influenza and Distemper with their re-sulting complications, and all diseases of the throat, nose and lungs. Acts marvelously as preventive; acts equally well as cure. Sold in two sizes at all drug stores. SPOHN MEDICAL COMPANY, GOSHEN, INDIANA

