th for the Golden Hill in the Cripmy shop standing mouth of the tunthe property is asily have averted ut to describe had eath through fear

was always acge-looking bulldog is so often the at breed, altogethdisposition, Dur-Ht underground. isited the top-men e time playing ces and shops. towards men he presence of any works, invariably the premises with what he would do

id offense. oon, while Peter tade of the shop. oatly bull-terrier. long snout and ome faint ancesme wandering up essly entered the ed by this imperdarted after the nged with horrid ed out and past pen door of the ught sanctuary to avenue of escorner, shiverto the wall like

dy and, halting

from the back n, emitted a serowls, clearly intage his purpose wiive. Without ned the enormirelling at great sibility of escape ngering death. realize what was whined dismaily, elemency due to nd binorance of mplacable, arguwas not only his to exact the suen minutes he e threats, gradinto a passion wing nearer to appeared about , the unhappy ie floor, giving ring sigh. d to me with

ith speech he e said. "Now. t? I was only soment intend-I jumped forhad actually must even havmon him. My ingois ed the I I, overcome

of astonished

we dong in the trade, a rough dination, with cowardies in assing of this

in ache which

as mine dump

the limp body

ock Made Cłock.

d an ordinary complete asbout altering with slight ad a face, the indicate, on a d. the phases a hours of its The position of the sun asion and desolatices, and at top, he has ch a special at which the the hours of I the days of of the days

the right, and

onscience at I'd done, SPER. sey Nichols.

nent. grieves. ode-soft pall. sequies:

ther Jerome.



CONDUCTED BY PROF. HENRY G. BELL

The object of this department is to place at the service of our farm readers the advice of an acknowledged authority on all subjects pertaining to soils and crops. Address all questions to Professor Henry G. Bell, In care of The Wilson Publishing Company, Limited, Toronto, and answers will appear in this column in the order In which they are received. When writing kindly mention this paper. As space is limited it is advisable where Immediate reply is necessary that a stamped and addressed envelope be enclosed with the question, when the answer will be malled direct.

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gestion on how to treat celery blight. manure with good purpose, putting it day. These parables deal with some God and one's own soul. Extortioners, prepare a mixture of Bordeaux which has gone out of the ground, or you subject. After all a parable is a story makes a dark background out of the is made as follows: Dissolve 4 lbs. can get very good results by a top meant to tell us a little about a great lives of others, against which his own quick lime in a wooden container and dressing of fertilizer, scattering it at "why" we pray but rather "how" we prayer never makes religious capital 4 lbs. copper sulphate in another the rate of about 200 to 300 lbs. per should pray. wooden padi. 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 lates "about the need of always prayit down among the leaves as thorough- analyzing about 2-12-2, that is, 2 per ing and never losing heart." It is not III. Praying With Humility, 12-14. ly as possible. This spraying should cent. nitrogen, 12 per cent. phosphoric unending prayer that Jesus urges. A Vs. 12-14. Publican, standing afar begin as soon as the celery is wel! acid and 2 per cent. potash. started after setting in the field and M. F .: I stored a quantity of dry hearted prayer. It is a persistent proud and confident isolation. The should be kept up at least five to seven black muck last autumn, and as my times. Do not use the Bordeaux mix- horse stable is about two feet from is not between praying always and to be seen. The publican stands apart ture if it has been standing any length the ground I intend to make a box 3' praying sometimes, but between hope- to be hidden. Both betray their spirit of time, but mix up fresh material wide by 1' deep, the whole length of ful praying and hopeless silence. A in their attitude and bearing. Would every time you have to spray.

er I shall sow oats with the alfalfa the bottom being perforated so as to responsible position, yet lacking abso- Pharisee, but because he realizes that

especially if you are careful not to as required. Please let me know what his own interest. A hard man to move, me a sinner. The publican has not only sow too much seed. I would recom- chemical I should use in the muck to Vs. 3-5. There was a widow; a poor the right attitude and the right spirit warrants in order to steal away the mend not more than a bushel to an make a good fertilizer for potatoes, and friendless woman and therefore of prayer, but also the right content of members' patronage. This weakens acre if you are seeding alfalfa at the and other garden vegetables. Would one who would have enlisted the sym- prayer. He confesses his utter sin- the association and carried far enough same time. Barley has been used with it do to mix the chemical with the pathy of a just judge. He would not fulness and unworthiness. He ex- breaks it up. Then they have the field exceedingly good results since this muck while it was dry before it got for a while; she could offer no bribe or presses his need of and desire for to themselves again and can soon crop ripens quickly and is out of the saturated?

visable to sow lime on the wheat, and this for application to your potato (cover me with bruises). what would be the best time to sow field, for every ton of the mixture that Vs. 7, 8. Shall not God avenge his home a new man.

lime to the alfalfa ground I would ad- This should make a fairly well balanc- what effect will the persistent cry of vise that you scatter a fairly heavy ed fertilizer for potatoes. You should God's children have on the loving dressing early in the spring before the make a fairly heavy application of this heart of the Father. If the judge's cats and alfalfa. In preparing your with the soil before dropping the tice has its long delays, so has love. ground for the sowing of alfalfa you pieces of seed potatoes.

sulphur or flowers of sulphur at the

wet mash, every day for ten days.

Then give another dose of Epsom

stuff, but urlike the others, it is pre-

salts. If the birds are not by this

some form.

the stable and place this directly under judge, which feared not God, neither not lift up . . his eyes; not because he K. K .: I would like to know wheth- the gutter which is made of 2" plank, regarded man; a man holding a most is ashamed in the presence of the let the horse urine drain through into lutely the qualifications for that posi- he is in the presence of God. Prayer Answer:—Early cats make very good nurse crop to sow with alfalfa, muck, and will be emptied and refilled sition and power were used wholly in the feet of God. God be merciful to increase there

Three Posts to an Acre.

increase the scratch feed. If possible, some way to tell where an acre was Figuring the exact amount of land in waiting without hope. Give them a dose of Epsom salts at farming, showed that I could set my 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 make an acre.

mash about two hours before they go This saves me lots of time in estiday start feeding ordinary ground -E. R.

time pretty well over their roup, re- orchard, especially if you are troubled peat the treatment at the end of ten with scale insects.

Early-that's the word. Write for seed catalogs early, make your choice honey is a highly concentrated food early, then order early. Plan for a hotbed and have early vegetables.

Only under urgent conditions should bee colonies be opened during the mid-Home economists figure that the dle of winter or when it is very cold, farm kitchen cught 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 start until spring nectar is available.

For Home and Country

Their Kindness Meant So Much

the North was deep and expressed wonderful work." the late autumn a number of Branches is a welcome gift indeed, as we lost It is not generally realized how ex- and December 15. sent cheques to the Department, suf- everything in the recent fire." ficient in amount to give a small cash Whitewood Grove Women's Insti- hold. Suffice it to say then, that in having a contract. A few will be Christmas gift to each member of a tute: "I received the letter containing 1922, according to conservative esti- briefly enumerated. Northern Ontario Branch who was postal note for three dollars (\$3.00) mate: not less than a billion dollars . 1. It ensures volume of business. No

few of many sent to the Superintend- to think of us in our loss, and we have States under definite contracts with ness to ensure economical operation. ent, indicate something of the appre- had help from a number of the their members. ciation with which this thoughtfulness Branches, which we appreciated." on the part of their sister Institutes | Heaslip Women's Institute: "Your tracts in common use. The first is objective is attained the organization

"Please accept my thanks for the very appreciation for your kindness. Wish- length of time covered varies, but five definitely ascertain when the minimum tute members in old Ontario have prosperous New Year." proved to be real helpers in every way Thornloe Women's Institute: "I am signed by the raisin growers of Cali- a long way toward assuring the sucand we are indebted to them for many dropping a few lines to thank you fornia, runs for 14 years. The method cess of the undertaking.

FEBRUARY 11 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. 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 life of Jesus was an exemplifi- habit with the Pharisee. Some stress cation of the place of prayer in life. of soul had driven the publican. Pray-How often we see Jesus stealing to ed thus with himself. The prayer is a the quietness of the mountain top to soliloquy 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 real part of God, but only a satisfied rememof his life. Prayer was not for him brance of himself. I am not as other an effort to bend the will of the Father men are. The Pharisce measures the to his will. It was a bending of his difference between himself and others, will to God's will. There are two not between himself and God. True-V. B .: Please give me some sug- might apply a light dressing of farm parables on prayer in our lesson to- prayer measures the gulf between Answer:-To treat celery blight on after the lime and before the frost aspects of prayer, not with the whole unjust, adulterers. The Pharisee

I. Praying With Persistence, 1-8. pray . . not to faint. Moffat trans- ber our excellencies.

way by the time the young alfalfa Answer: I would advise that you add treaties. The justness of her cause others. This man went down . . justito the muck soil in question about 5 would not let her be discouraged by fied. The Pharisee did not find God ment signed by all the members out-O. L. B .: Next spring I wish to sow lbs. of acid phosphate, mixing it with the unjustness of the judge. I will because he did not seek him. The pub- siders have no opportunity for breakalfalfa with winter wheat. Would it the muck before you put it in the box, avenge her. The persistence of the lican went to his home with complete ing up the association in this manner. be advisable after top-dressing with This will help catch and hold nitrogen woman made her an annoyance. It is pardon and with a sense of that par- The members in each district need farmyard manure? Would it be ad- from the manure. When preparing she weary me. Lest she wear me out the same proud, unsympathetic, unlov- ciation for they know that the memhis own comfort he consults. Lest . . . don. The Pharisee went to his home have no fear in staying by their asso-

you have taken out of the box add own elect. If persistence wears down Answer:- If you have not applied about 150 lbs. of muriate of potash, the hard heart of the unjust judge, God cannot answer immediately always. We must wait long sometimes. answer will be as speedy (sudden) as the time is ripe for his coming, will it feed our skim milk, or buttermilk in located by the distance across the end. find God's elect praying in faith or

II. Praying With Pride, 9-11.

to rocst. You may have to keep other mating acreages. When a field is in passes to speak a parable showing the er, how much oftener he spoke of faith petitive methods of marketing a great "Rub till the skin is broken and it befeed away for about six hours before true humility of prayer. The speritual whom Losus to bleed." This is not necessary. The commonwealth the other members to be seen the commonwealth the other members and she was a seen as the class begins to bleed." This is not necessary. feed away for about six hours before
where I am, but in grain or hay I'm condition of those for whom Jesus you." Why are ye fearful, O ye of in drumming up business. This is one As soon as the place begins to look gry enough to eat plenty. The next lost. Work this out on your farm. spake the parable was that of self- little faith?" "If ye have faith as a of the greatest sources of expense. even slightly irritated it need be rub-

Dormant spraying is in order in the belonging to a class noted for their the seemingly impossible.

and advantage out of the sins of

Vs. 1, 2. That men ought always to forget our sins rather than to remem-

long prayer may be a very faint- off. The Pharisee stands apart in spirit rather than persistent utterance publican stands apart in shame and that Jesus commends. The opposition contrition. The Pharisee stands apart corresponding gain. But afterward; mercy. He utters no defence or praise make up any losses they have susbecause she did not desist in her en- of himself, and no condemnation of tained. With the marketing agreeing soul. The publican went to his bers in all the other districts having

The story of the man borrowing a tract is really an agreement between oaf at midnight (Luke 11: 5-8), and the members that they will stick tothe story in this lesson, of the unjust gether and give their association a judge, go together; and taken together chance to show what it can do. frost goes out. This will sweeten the to the potato soil, putting at least a delay did not discourage the poor woground and should assist the growth double handful in each potato hill. man, why should delay discourage the
Lord put great importance on perWith the assurance of a large volume of the bacteria that are found on the However, see that this is mixed well he will avenge them speedily. If jusword in Luke 11: 8. Dr. Moffatt translates it, "He will give you whatever you want, because you persist." Again, their services obtained. as illustrating how emphatic is Jesus 4. With an assured and known vol-

V. 9. Unto certain . . as trusted in earth?" Shall be find the faith that advertising and other means. themselves. From the parable of per- is requisite for this persistent prayer? 5. Great economies can be effected looks red. That is all. An agriculsistent hopefulness in prayer, Jesus If Christ stressed persistence in pray- in handling the product. Under com- tural paper we read recently says: confidence and self-satisfaction. And grain of mustard seed, ye shall say despised others; an inevitable result of unto this mountain, remove hence to manner the manner of a self-satisfaction. And grain of mustard seed, ye shall say With the product contracted by the bed no longer. It is best to do this from the egg in order not to endanger To reflect back into human lines the self-admiration and complacency.

To reflect back into human lines the self-admiration and complacency.

I complete the calf is two weeks old. Only it, and then cackled, after also having last image of their living selves is the Vs. 10, 11. Two men . . a Pharisee nothing shall be impossible unto you." operative marketing association is a little moistening with the finger, taken a good look round to assure here . a publican; one man the typical "The power of faith,"—why, Jesus de-saved all this outlay. The volume dipped in water, is all that is required, self that no enemies were near.

Fundamental Principles of Co-Operative Marketing

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

ARTICLE V.

postal note \$3.00 from old Ontario In- ful to them, and it makes us feel we tract which continues in force indefi- plan is to split the farmers up by stitutes. I'm sure I am very thankful want to do more for the Institute." nitely but which may be cancelled by going into isolated districts and offer-

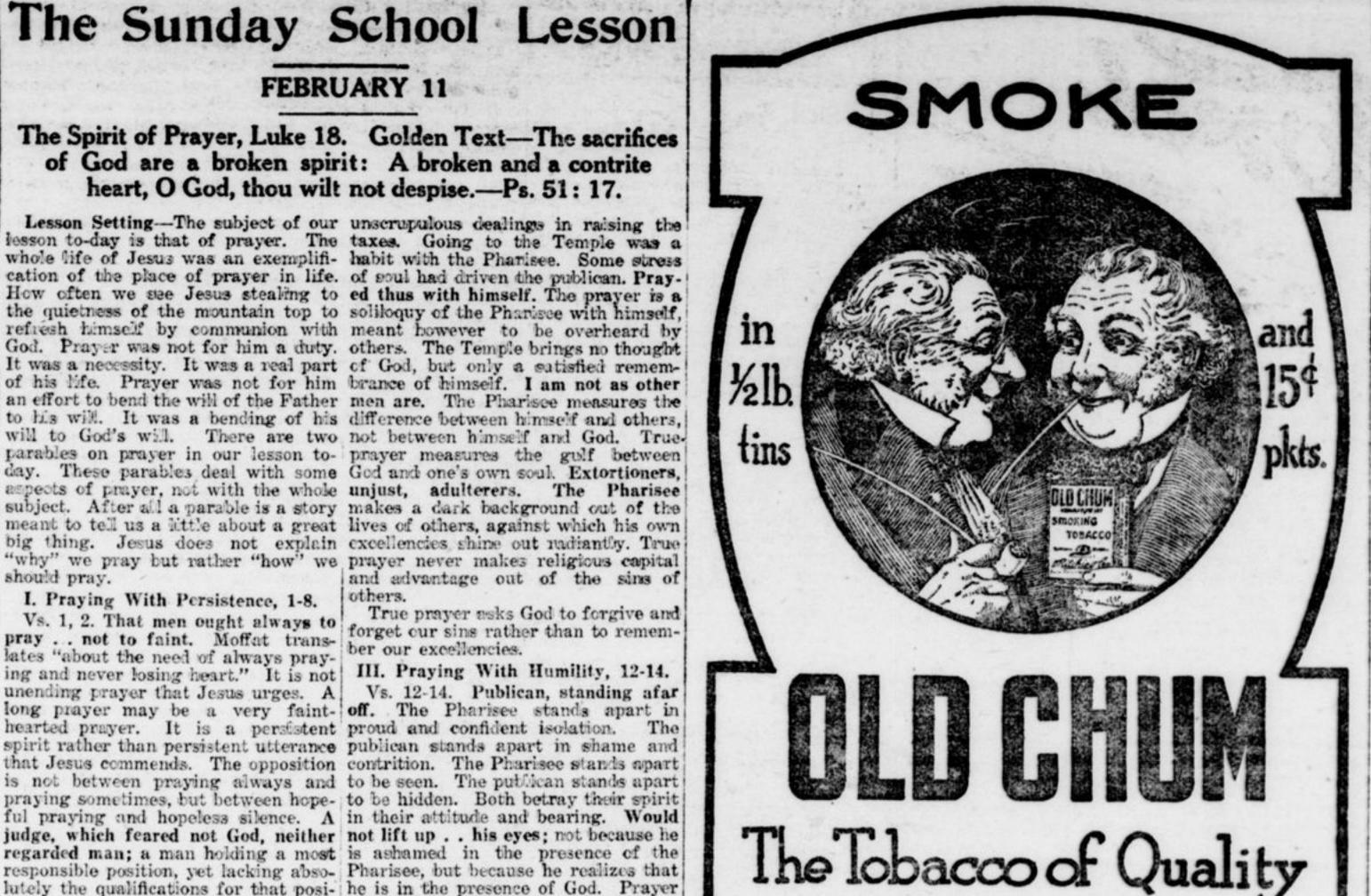
either the association or the member and permanently successful co-oper-A co-operative marketing associa- under certain specified conditions, ative marketing associations on this tion must have a contract or market- Cancellation can be made only at the continent and it is recognized by all ing agreement with its members by end of the crop year after due notice authorities as a fundamental to the

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 marketing. There is nothing new new organization for the co-operative It pays to protect sheep from winin this idea. It has been in operation selling of Ontario cheese, has a con- ter winds and rains. Any rough, inexin Denmark for over 40 years. In tract which is a combination of these pensive shelter will serve. California the contract idea has been two types. It is a term contract to The sympathy of the Institutes of to them, as we lost everything in the in force for over 20 years. All the begin with, having no withdrawal old Ontario with the fire sufferers of recent fire. The Institute is doing great co-operatives of that state and privileges during the first three years. many of the associations that have, After that it becomes a self-renewing itself in prompt and practical ways Hanbury Women's Institute: "Allow within the last few years, sprung up contract and may be cancelled at the in the supply of food, clothing, ma- me to acknowledge the receipt of three in other states and in Canada, have end of 1925, or of any year thereafter, terials for building and in money. In dollars, which I received last night. It binding contracts with their members. by giving notice between December 1

tensively the contract idea has taken There are many good reasons for

spending the winter in the fire-swept and many thanks for same-which is (\$1,000,000,000) worth of farm pro- co-operative marketing association very acceptable at this time. It is ducts were marketed by the co-oper- should begin business until it is as-The accompanying letters, only a very kind of the different Institutes atives of Canada and the United sured of a sufficient volume of busi-In the organization period a definite There are two general types of con- objective should be set and unless the letter of the 20th and postal note re- known as the term contract. It runs should not begin operations. Under Charlton Women's Institute: (1) ceived. Please accept my thanks and for a definite number of years. The the contract system it is possible to acceptable Christmas gift. Our Insti- ing you and all members a bright and years seems to be the most popular volume which has been set as the obterm. Some are for seven years. One, jective has been signed up. This goes

useful things, also clothing, etc., and many times for the money order for is to sign up the members for a defi- 2. The contract holds the organizawe fully appreciate their kindness, and \$3.00 you sent me. I am sure I ap- nite term at the end of which all the tion together. Those who oppose co-I hope if ever it is our turn to help, preciate this kindness very much. It contracts expire. A renewal cam- operative marketing always try to inwe shall not be found far behind in means so much to me after losing so paign is then put on and the members cite the farmers against signing the much in the great fire. Some of the signed up for another definite period. contract. They know that it destroys Charlton: (2) "I was agreeably sur- Institutes certainly have done well to The other type of contract is called their greatest weapon in fighting coprised to receive the letter enclosing help us out and we all feel very grate- the self-renewing type. It is a con- operative marketing. Their favorite



ing higher prices than the market

capable men can be interested and

signed the same agreement, are also

standing by it. The marketing con-

on this matter, Dr. Adeney, in the ume to handle the management can When I built my lane fence, which the flash of lightning. God's delays Luke 18: 1 is literally "must"—that is duct will come forward to fill the ord-Century Bible, says that "ought" in negotiate sales knowing that the prois about the whole length of the farm, are as loving as his answers. There- to say, "It is absolutely necessary to ers. This greatly strengthens the po-To stop roup start immediately to I wondered why I couldn't figure out fore they should not make prayer to pray, and that perseveringly—under sition of the association in the market. all circumstances, never abandoning If there is danger that the market will not absorb the volume handled at good process of preventing the growth of question, "Howbeit when the son of prices the situation can be foreseen horns on calves. Moisten the spot man cometh, shall be find faith on the advertising and other means with a piece of courtie restart to lay she retired from the rest of the

religious man of the day. The other clares it equal to anything. It can do comes forward under the terms of the belonging to a class noted for their the seemingly impossible.

What teeth will you wear in 1930—

marketing the product. Other advantages of the contract system could be enumerated but these must suffice. It is a common saying 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 which the members agree to deliver has been given within specified dates. success of a co-operative marketing

A Million Backaches.

Dominion of ours has made, is in al- city home has been sold because of lowing the idea to persest that a kit- attractive wall-paper and lighting chen sink should be just so high, re- fixtures pleasing to the eye. Many a gardless of the length of mother's sale has been lost through such a

It may be too much to say that all near-purchaser may not analyze his the ills of our beloved country can be rejection of the proposition enough to traced to the fact that the wash-tubs admit it binges on such trifles, but are only twenty-seven inches from the students of psychology and salesmanfloor, whereas they ought to be thirty ship know. Perhaps your farm isn't inches because mother stands five feet for sale, but conditions can arise four. But we do know that lawyers whereby it will be on the market toand politicians are all the time throw- morrow. ing fits over questions that are absolutely trivial and childish compared to

stove, and ironing-board ought to be laying an egg is that she is so pleased so high from the floor. If she is taller, that she wants everyone to know it. they must be higher. Even if, by some The rooster answers the cackle with miracle, she were to be four feet ten a crow, and this is taken as further one day and five feet eight the next, indication that both are immensely every one of those blessed things proud of the achievement. This exought to be changed every time she planation is not tenable

real importance of backaches.

Dehorning Calves.

Many are familiar with the simple with a piece of caustic potash till it

vote all its energy to efficiently yours or some store's? It pays to swered it by a crow, and thus informed care, and to take care.

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One Artistic Mail-Box in 10,000 Miles

"What a beautiful mail-box, harmonizing so perfectly with the house and fence!"

We were enjoying a vacation motor trip last July, when this ejaculation came from friend wife, who has a way of keeping her eyes open for attractive houses and settings.

The rural mail-box was embedded in the top of a neat post or pyramid made of cobblestones and cement. It was in front of a house that had a fence or wall of similar material; also the verandah of the house was partly cobblestones. It was by far the most attractive mail-box we ever noticed, and since that time, although observing carefully, we have found none to compare with it.

That brought up this question: Why are post-boxes in front of farm homes almost universally hideous? Instantly there we'bs up a chorus of protest, but if one will take the trouble to watch closely, the justice of the charge will be conceded. The modern farmer, with property along a main-traveled highway, keeps his buildings well painted, has attractive flowers and shrubbery. perhaps has creeted a fence or set out a hedge in front of the house. Yet to the casual observer the mail-box is the discordant note that intrudes. Maybe the box will be a wooden affair, unpainted, or else daubed with some left-over floor paint.

Too trivial a matter to be given estate business, who says little things establish a considerable part of the One of the sad mistakes that this marketability of property. Many a thing as a broken window-pane. The

Why the Hen Cackles.

The accepted explanation of the If mother is so tall, tubs, sink, table, cackling in which a hen indulges after

That is what we think about the it is easy to see that instinct would the attention of the enemy to both herself and her embryo offspring, which she would naurally avoid doing

fowl community and performed the

The rooster, hearing the cackle, anthe hen of the whereabouts of the tribe. This sort of thing may be seen

Ice Cream May Be Shipped

Without Ice and Salt. Ice cream may now be shipped without being packed in ice and salt if a specially designed dry container is ,000 acres are fully settled and utilized. This container is a double walled metal vessel which has 2 inches of cork composition between the walls and a cork-insulated top that clamps ments, extending over 18 years.

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CANADA LAND and IBRIGATION

The state of the container, two could be supported to the container. metal disks filled with a cooling mixture that has been frozen to a solid state, are laid on top of the cream can just under the tight-fitting cover. This outfit is said to keep ice cream solid for periods of 18 to 36 hours.

Caruso's Memorial Candle to Burn for Centuries.

There has been manufactured in New York the largest candle in the world as a memorial to Eurico Caruso. generally conceded to have been the finest tenor singer the world ever heard. This giant candle is 16 feet high, 5 feet in circumference at the base, with a taper to 18 inches at the top, and weighs a ton. It will be shipped to Italy, where it will be placed in the church of Our Lady of Pompeti. It will burn for 24 hours on All Souls' Day, November 2, of every year, and is expected to last for several centuries.

Happiness will never be found at the end of the rainbow unless you carry it there.

Because the French wheat crop is short, the French Government has passed a law to compel gristmills so to grind wheat as to get the maximum of flour out of it. In that way France will keep down the amount of wheat that it must buy abroad, and the peo-