PREVENTING LAMB LOSS IN SPRING HINTS FOR THE STOCK FARMER

POST MORTEM.

to bear the cost of picking a percent-

How Legumes Improve

the Soil.

I Feed Hens by Wire.

may sicken and die, or half the lamb usually very much contaminated. crop may pass out, one by one, a few days after birth. With lambs born! out on the green grass the losses are to-night, but to-morrow morning one acre and of non-sprouted 201/2 tons. very small, but where ewes are con- or more may be dead. If the lamb With Wee Macgregor the results as Introduction—Peter, after he be- tained.

fined to or have access to pens and contracts the disease during the day, regards time of readiness were the came a disciple, experienced the defined to or have access to pens and contracts the disease during the day, regards time of readiness were the came a disciple, experienced the defined to or have access to pens and contracts the disease during the day, regards time of readiness were the came a disciple, experienced the defined to or have access to pens and contracts the disease during the day, regards time of readiness were the came a disciple, experienced the defined to or have access to pens and contracts the disease during the day, regards time of readiness were the came a disciple, experienced the defined to or have access to pens and contracts the disease during the day, regards time of readiness were the came a disciple, experienced the defined to or have access to pens and contracts the disease during the day, regards time of readiness were the came a disciple, experienced the defined to or have access to pens and contracts the disease during the day, regards time of readiness were the came a disciple, experienced the defined to or have access to pens and contracts the disease during the day, regards time of readiness were the came a disciple, experienced the defined to or have access to pens and contracts the disease during the day, regards time of readiness were the came a disciple, experienced the defined to or have access to pens and contracts the disease during the day, regards time of readiness were the came a disciple the day. yards that have sheltered sheep for it becomes dull, listless, lies about same, but the non-sprouted yielded sire to act like Christ, but was fremost children to-day may be such that ed cereal severela mornings a week, at his teacher, "Miss Rutherford, what
yards that have sheltered sheep for it becomes dull, listless, lies about same, but the non-sprouted yielded sire to act like Christ, but was fremost children to-day may be such that ed cereal severela mornings a week, at his teacher, "Miss Rutherford, what many years the losses are frequently such as to take much of the profit from sheep raising. Even if the loss stiffness, feces passed with pain and from sheep raising. Even if the loss stiffness, feces passed with pain and from sheep raising. Even if the loss stiffness, feces passed with pain and from sheep raising. Even if the loss stiffness, feces passed with pain and sheep raising. Even if the loss stiffness, feces passed with pain and sheep raising. Even if the loss stiffness, feces passed with pain and sheep raising. Even if the loss stiffness, feces passed with pain and sheep raising. Even if the loss stiffness, feces passed with pain and sheep raising. Even if the loss stiffness, feces passed with pain and sheep raising. Even if the loss stiffness against possible illnesses stiffness, feces passed with pain and sheep raising. Even if the loss stiffness against possible illnesses against possible illnesses stiffness against possible illnesses is as low as one in four it puts a difficulty, feces may become brownplacing the tubers in a warm dimlyplacing the tubers in a warm di

This destroying disease is known by various names, "Lamb Dysentery," eral days as sometimes happens in "Scour," "Red Scour," "Yellow less severe cases, its back is arched Scour," "Lamb Diarrhoea," "Lamb Sickness."

The Cause. Two different organ- material clings to the tail. In this isms, working together, an evil com- condition it lies down and passes into bination, one is known as Bacillus unconsciousness. Coli and the other as Bacillus Welchii. Harmless strains of these bacteria are found normally in the intestine of healthy lambs. But at times these toms are generally noted: the entire invaders develop a virulence that intestinal tract is very intensely inproduces disease. The virulent strains flamed, the abdominal cavity may be once developed may be transferred filled with liquid, or the organs may from lamb to lamb with disastrous be adherent, due to the presence of a results. The infection enters the sticky exudate, small ulcers cover the mouth and reaches the intestine, surface of the bowel, the bowel conwhere it causes a catarrhal inflamma- tent is blood tinged and liquid, odor tion of the mucous membrane. The very objectionable, liver enlarged and Bacillus Welchii attacks the bowel pale in color. Medical treatment has wall and produces an ulceration. so far not proven to be of any value. These ulcers make way for the Bacillus Coli to enter the general circulation.

The disease is spread by the ewes wherever diseased lambs have been, lying on contaminated soil or litter, it is a problem to protect, by hyinfected lambs and people handling gienic means, the new lamb crop. The the sheep. Lambs are not born in- first move in prevention of losses, is fected with lamb dysentery, but they the cleaning up of the ewes. About may become infected while passing two weeks before the lambs are due, through the birth canal, due to the the long, soiled wool about the hind organisms gaining entrance to the quarters should be removed. If the mouth. Infection may be taken by weather is warm enough or protection the lamb during the first attempt to in clean quarters can be given, the nurse, as the nipples are frequently sheep should be given a thorough dip covered with germs. The udder, the or washing and then moved directly skin and the wool on the under side to fresh clean pens or pastures. Ailof the ewe's body are fertile fields ing lambs should be killed and buried from which infection may be gather- by someone other than the man ated, as every time the sheep lies down tending the sheep. Success in comon a floor or ground that is fouled bating lamb dysentery depends on the with filth from other animals, mil- thoroughness of the hygienic methods lions of bacteria will adhere, to be adopted and practiced. The least transferred to whatever may touch carelessness in disposing of dead her. The disease germs are wide- lambs will keep the premises infected spread and may be found wherever as long as sheep are kept.

Cost of Apple Thinning.

age of the fruit twice, which does not To thin or not to thin is necessarily happen. a question of importance to growers of apples for commercial purposes. In his latest report, the Dominion Horticulturist goes somewhat exhaustively into the subject based upon experiments conducted with the Wealthy next to grasses, probably the most imvariety. Not only is the question con- portant of all orders of plants to the sidered as regards quantity and qual- farmer and to mankind. ity, but also in reference to cost and These plants are valuable not only profit. As for the commercial grow- because they furnish food for man er the latter is the leading point to and for his livestock, but also because be considered, the following remarks they help keep up, or even increase, sions reached by the Horticulturist other cultivated plants. (Mr. W. T. Macoun): It should be The supply of nitrates in most soils grower any more than not thinning. ever, certain bacteria find a congenial nottern The apples on the trees must be pick- home on the roots of certain plants, pattern. ed at harvest time. If a certain num- mostly the legumes and once settled ber are picked in early summer and on the root of a legume, the colony of dropped these do not have to be pick- bacteria begins storing up nitrogen ed again. It is easy to see that pick- in little swellings or lumps on that ing and dropping the fruit on the root-"nodules" these are called. So ground is much less expensive than it is that much of the nitrogen in a picking in the fall, carefully placing crop of legumes has come directly in a basket, handling to the packed from the air; and when any large threes and culls and have to be dis- and more food than it would have 10 cents the copy. carded or sold as cider apples it is found if this legume crop had not apparent that this extensive handling been grown. can come to more than the small price received for such produce. Here in the Horticulturist's opinion lies the not always appreciate this point, except the root. holding that the cost of removing the Hanging is a nuisance if you have return mail. fruit in the summer must be added to tie each head. I made several hooks case the thinned crop would be asked They don't come loose either .- E. R. the eyelid.

Sprouting Potatoes.

Tests at the Invermere, B.C., experimental station indicate that potatoes can profitably be planted at any time between May 1st and June 15th. After the latter date the result is poor. It was also proven that 3rd; non-sprouted planted the same blood. Should the lamb live for sev- half an inch long were the result.

its abdomen empty, and a mass of Wilson Publishing Company brownish or yellowish-red diarrhoeic The following post mortem symp-With the bacilli hardy enough to live from season to season, distributed 1480

A SMART FROCK FOR THE

JUNIOR MISS.

The legumes, or podbearers are, per front panel is of contrasting ma-terial and the lower section is plaited tradition states it in the form that the divine grace of the Son of God a chic bow. There is a becoming wards them over the waters. Clearly well in full as indicating the conclusible larger yields of practically all and long sleeves gather some experience which has no analygions reached by the West and long sleeves gather or in the ordinary barrange of the results of the solid larger yields of practically all ed to wristbands. No. 1480 is in sizes ogy in the ordinary happenings of human life is described. But from the 8, 10, 12 and 14 years. Size 10 years state of supernatural terror into

Our new Fashion Book contains not afraid." This assurance creates many styles showing how to dress in Peter's mind the desire to do what boys and girls. Simplicity is the rule he now proposes, that is, to follow the for well-dressed children. Clothes of example of Jesus in walking on the character and individuality for the Vs. 28, 29. "Lord, if it be thou," junior folks are hard to buy, but easy says Peter, "bid me come unto thee to make with our patterns. A small upon the waters." Perhaps we ought amount of money spent on good ma- to think of the whole incident as a terials, cut on simple lines, will give parable of Christian life or faith. Is large number of these apples are the crop following finds a richer soil adorable things. Price of the large fully after the avample of January Contraction and have to be discovered and could be described as a second could b adorable things. Price of the book fully after the example of Jesus? Can

> HOW TO ORDER PATTERNS. - Will he be supported by the invisible Write your name and address plain- arm of God, as Jesus was, in doing ly, giving number and size of such incredible things? patterns as you want. Enclose 20c in II. CHRIST IS NOT ONLY OUR EXAMPLE

great advantage of thinning-by re- Throwing a cabbage head to the stamps or coin (coin preferred; wrap ducing the number of culls the cost hens won't work very well. They it carefully) for each number and Vs. 29, 30. Peter makes the at of handling and picking is brought don't eat enough. Hang it up and address your order to Pattern Dept., tempt courageously enough. But apdown to the minimum. Growers do they will clean the whole thing out Wilson Publishing Co., 73 West Ade- palled by the stormy element he loses laide St., Terento. Patterns sent by nerve and beginning to sink he cries,

not been thinned. If this were the root into these and do it in a hurry, seventy-six times as thick as that of can only succeed as he keeps believ-

Sunday School Lesson

ish-red in color, sometimes yellow and lighted building three weeks prior to for his Master, and in spite of a following too many hours spent insemi-fluid, and often tinged with planting. Strong sturdy shoots about repeatedly forced to admit that his nerve, and had to cry, "Lord, save tagious sicknesses. spiritually. To follow Jesus amid to do it. Those who, like Peter, have plenty of good nourishing food, keep sides their economy, their adaptabil- down-stairs." power of God.

> It is important, in dealing with the a slice or two of bran bread spread toes or tomato soup and then thicken- "I can't stop, dear, I'm late for my remember that, first and foremost, and a dish of ripe bananas with thin bran cereal. Add one or two beaten she will give you your lunch." periences. Those who lived near to cream for dessert, is an adequate eggs, a chopped onion and other sea- Dan found Pearl dishing up his Jesus found in him not only truth and luncheon for most healthy children sonings. Grated carrots or cabbages soup. "Say, Pearl," he began, "do love and righteousness, appealing to and at the same time furnishes the or finely diced beets may be added to you know what makes it rain?" trembled, but which, nevertheless, weather and a period of inactivity added to the meat sauce the last min- Dan could get out of Pearl. fascinated and riveted them, and may render advisable. made them think of God. It is this incomprehensible element in Jesus' personality which is pictured in such is as though a man should attempt miracle-narratives as the Walking on to walk on the waters. It cannot be

sacrament of the Feeding of the Mul- elements obey. titude, commands his disciples to re- V. 31. This is the most important embark on the boat and to cross to verse in the lesson, so far as Peter is the other side of the lake, while he concerned. The moment that Peter takes farewell of the people. He felt cries, "Lord, save me," Jesus stretcha boundless compassion for these un- es out his hand and holds the sinking shepherded souls (Mark 6:34), from disciple up, at the same time saying, well to the last moment. After they in himself, a very good quality, but are gone, the Saviour seeks solitude inadequate to support a man in venamong the hills, and prays, continu- turing to follow in the steps of Jesus. ing his vigil far into the night. Mean- What he lacked was faith in the Satime his disciples are battling with viour. But the grip of the hand of wind and wave on the dark waters of Christ taught him a lesson which in the Galilean lake.

experience of Peter and the other man at the Temple gate, he made it disciples, which is enshrined in the clear to his hearers that it was not by miracle-narrative of the Walking on his own power or authority that the I thought you a single man!" the Water. Whatever else the nar- healing was effected, but only by the Smartly simple is this attractive rative means, it implies a strange new power and authority of Christ. To do frock for all daytime wear. The upmanifestation of the supernatural in work for Christ or to succeed in folfrock for all daytime wear. The upmanifestation of the supernatural in work for Christ or to succeed in folfront panel is of contrasting malesus, by which the minds of the dislowing his example we need to put to provide the necessary skirt fulness. the disciples beheld what they took to will operate through us. The back is in one piece and a belt be an "apparition" or "spirit," that fastens at the side seams and ties in is, the spectacle of Jesus walking torequires 21/4 yards 39-inch material, which the disciples are thrown by the pointed out, he says, that the operatis too small to allow most crops to or 1% yards 54-inch, and ½ yard 39- vision they are presently released by the contrasting. Price 20 cents the bearing the voice of Jesus say to

powers of the world as Jesus did? right."

BUT OUR SAVIOUR, 29-33.

SPRING AT THE CHILDREN'S TABLE EMPHASIS ON FRUIT AND CEREAL

BY LETTIE GAY.

PLAIN DESSERTS.

Thought Him a Single Man.

"I want you for my wife."

what the Great Seal is.

When our grandmothers as little. At supper time a large bowl of losses are experienced, a few lambs ing of those attending sheep are seven days. Early Norther sprouted how 14, 22.22 winds and rains and apathetically de- milk (with grated raw carrot, or cab- questions. When something that he clined to eat their porridge and milk, bage added just before serving), a wanted to know came into his head they were unequivocally commanded baked potato and dessert of bran out popped the question and the neardate was ready August 10th. The I. IS CHRIST OUR EXAMPLE ONLY? 22-29. to swallow large spoonfuls of sulphur cookies and cream cheese, provide est adult was at his mercy. One morn-The lambs may appear all right yield of sprouted was 22½ tons per II. CHRIST IS NOT ONLY OUR EXAMPLE, and molasses, a mixture in whose therapeutic nourishment in a welcome ing in the kindergarten, when the tonic qualities great faith was main- form.

ing at the same time our Saviour. We need not wait for the doctor to re- plain milk with bran or whole wheat strides of his brother, "what makes it need not only the pattern of his char- commend a diet rich in eggs, milk, bread. acter, but the strength which his arm fresh fruits and vegetables, and all affords. Peter thought it possible to those foods containing plenty of cel- | Serve fruit, fresh or stewed with answer questions," replied George in walk on the water when he saw Jesus lulose to help regulate the body, and not too much sugar, and plain, crisp a lordly manner. Hurry along, kid, doing it, but when he tried it he lost vitamines to fortify against con- cookies as the most frequent desserts or you will be soaked."

SPRING DIETS. These are the last few weeks in vegetables loaves and cheese entrees, began, "what makes" I. IS CHRIST OUR EXAMPLE ONLY? 22-29. are palatable in such a combination), the ground meat with canned toma- what makes it rain!" ute before serving.

done except through the power of him Vs. 22, 23. Jesus, after the great whose sovereign will even the stormy

whom he was so soon going to part "O thou of little faith, wherefore didst for ever, and he postpones his fare- thou doubt?" Peter had shown faith later life he did not forget. When at Vs. 24-27. Now comes the strange a subsequent time he healed the lame



She-"Do you think dancing sinful?" "Well, it's syn-copation all

----Rare Find. Mrs. Smithers (on motor trip-

"This is an awfully poor road." Smithers "It has its compensations, side of the chute about six feet from ergy," replied Dan's mother. my dear. We're not getting more than the ground. The hinges must be at the bottom of the door inten billboards to the mile. side, and door must be about

Salt Scarce in China.

To obtain salt in inland China, wells so that the slope will cause the waste ing in Jesus. For to live like Christ feet.

Jeff's Right. Mutt Must Be a Bit Balmy in the Bean.

WHAT MAKES IT RAIN?

Dan, aged five, was given to asking Breakfast should be carefully plan- watching the rain splash against the

repeatedly forced to admit that his as a consequence of an all-over wet- mid-morning, or in the afternoon give er was in too much of a hurry to get own strength was insufficient. This ting in a sudden chill spring rain. them at one time a glass of orange home to lunch to wait for Dan to ask is the truth which is brought home to This is an especially good time for a juice, which will aid in stimulating a any of his questions. "Will you tell us in the incident selected for to-day's lesson. Christ is our example certain- ly, but he is our example only by be- physical examination, but mothers at another time give an egg nog or tried to keep step with the long physical examination, but mothers at another time give an egg nog or tried to keep step with the long physical examination, but mothers at another time give an egg nog or tried to keep step with the long physical examination, but mothers at another time give an egg nog or tried to keep step with the long physical examination.

"Oh, I'm too wet and hungry to

and serve meats less frequently than When Dan reached home he ran up

on the stormy billows. A man needs which children are most likely to catch Meat loaves and other chopped meat "Danny!" exclaimed the child's

Christ's presence and Christ's power colds, and although there must be mixtures, have to recommend them, be- mother, "take those wet things right

or ideal of the religious life, but the salad made of chopped vegetables like mincement, may be mostly some was putting on her hat. In one breath (raw carrots, cabbage and tomatoes thing else besides meat. Try mixing he shouted, "Mother, please tell me

miracle narratives in the Gospels, to with peanut butter, a glass of milk ing with a cup or so of cornflakes or party now. Run down to Pearl and

their reason, but a strange super- body with those tonic properties and the meat mixture for additional "The Lo'd, I suppose, honey. Now

All the afternoon it rained, and Dan wandered from the nursery to the kitchen and back again. At the sound of the door bell he peeped over the bannisters and spying the visitor rushed down-stairs with a joyous cry, "Aunt Grace!" He patted the wet mackintosh. "Auntie," he began be-

His aunt laughed, knowing that Dan knew that she was an easy victim. "Well, Dan," she replied, "let's see if we can find out." Leading the excited child over to the bookcase, she took down the Century Dictionary and turning to "rain" began reading

"I'll tell you, dear, but I just wanted to show you where we have to go know." And letting the little fellow began a laborious explanation in child pheric saturation, condensation and so

King's title following the Imperial "Yes," laughed the aunt, "but we've Conference decision has brought out information interesting to thousands the acked giving the shild a hug she asked, giving the child a hug.

"Of course he understands it," refactured the King will give the old plied the aunt. "If we grown people one a gentle tap with a hammer—a would only take the trouble to inform ourselves first and then answer a child's difficult questions in his own language, we could not only give him some background information but could also excite his desire for fur-Opening a silo? Here's a tip: The ther knowledge. Don't you think so? way we used to get moldy ensilage out It seems to me the more we encourwas either to throw it down the chute age a child's natural desire to know and carry it out of the barn, or throw things of this nature the more we are it up out of a little door in the roof. going to help that child to grow into ter. I took a couple of hinges and "As usual, Grace, you're right but

four boards and framed a door in one it does take so much time and en-

18 inches longer than width of chute. I had tried every way I knew to ample of Christ in the sufficiency of are sometimes laboriously bored to slide out. After the moldy ensil- water baby chicks to keep them from to the cost of picking had the trees of No. 9 wire and can easily slip the to the cost of picking had the trees of No. 9 wire and can easily slip the through solid rock to a depth of 3,000 age is thrown out, the door can be getting more or less yet. Finally I to the cost of picking had the trees of No. 9 wire and can easily slip the through solid rock to a depth of 3,000 age is thrown out, the door can be getting more or less yet. Finally I made a hole about one-half inch from the top, put a pie pan on it and turned it upside down. Chicks can get the water easily and do not get wet. -S. A.

> A soft cushion for the seats on tractors, disks or other hard-riding machines, can be made by doubling a small-size inner tube into a horseshoo shape and tying it in a grain sack. The tube can then be inflated to the amount desired. The valve-stem should protrude through the sack to allow easy inflation. This makes the softest and best cushion that I have ever tried .- L. H.

Soap for belt dressing is no goodit is slippery if it gets wet. Here is something that beats soap: Paint the belt with old crank-case oil and sprinkle on fine ashes (wood ashed preferred). The ashes are sprinkled on while the belt is running; the pul leys will then grind the ashes into the

BY LUCY CHANDLER FULLER.

usual, substituting cereal, nut and to his mother's room. "Mother," he

followed Christ most closely have the menus simple and watch the ity in combinations with chopped Dan obediently shed his wraps befound in him not merely the pattern sweets at this time of year. A large vegetables and cereals. A meat loaf, low. When he returned his mother

human quality before which they regulatory ingredients which bad freshness and vitamines, or may be come git yo' lunch." And that was all

fore his aunt had time to drop her wet things, "what makes it rain?"

"Tell me," interrupted Dan. to find out things that we don't She (shrickingly)-"Base deceiver! climb up into her lap, Aunt Grace language, interspersed with many Necessitates New Seal questions, about evaporation, atmos-London .- The discussion as to forth. In the midst of it, Dan's mothwhether a new Great Seal will be er came home. "Poer Grace!" she exnecessitated by the change in the claimed, "has he cornered you again?"

of people who know only vaguely "You bet," said Dan, returning the The seal itself is composed of two hug; and jumping to the floor he beheavy discs of sterling silver hinged gan to tell his mother what makes it

inches across and a quarter of an inch "Why, he really understands it," thick. When the new one is manu-

process called "damasking," after which the old seal becomes the personal property of the Lord Chancel-One day I thought of something bet- a well informed man or woman."

An Ingenious Device.

oil. This will make a real clinging belt and a dressing that will last much longer than soap. I use it in an emergency.—D. M.

MUTT AND JEFF-By Bud Fisher.



ONTARIO ARCHIVES TORONTO

just been carried out. A qui "mummy" wheat-that is buried by the ancient Egypti the embalmed body of a de has been sown by a farmer urst, New South Wales. All was over 4,000 years old, a been obtained. The crop was of seven-ear

Wheat's First Ho

A strange experiment, which

the amazing vitality of wh

of good quality, though not able for milling purposes a wheat. It grew to an ex height. Wheat older than this "mummy" grain has, howe

found, and it is now definit lished that it was one of t cereals grown by early ma is the result of a discovery ! ing excavations of an an merian site near Kish. A red-and-black jar was the course of the research

this was stored a quantity of wheat. That was last nothing was said about the at the time. Professor S. who made it, wished to wheat examined by experts made any announcement. Now, however, the expert ported and the find has h public. According to one it is rivet, or cone wheat, the most prolific of all the

the cereal. Other exp

that it is common

wheat, as is often

most highly developed of all and the finest for bread-m wheat dates back to 3,50 that it is now roughly by old. Its discovery is con proving that the original h bread-making wheats was notamia. The historical bota long believed that this was but they could advance no definite proof until this fix fessor Langdon.

Canada's Share Auckland Weekly News

pointe's ungracious attack tinguished visitors"-he evi Mr. Bruce particularly in an interest for others. He ! because they have venture what they think about Cana among others, of responsible perial defence. They have tured to dictate what precis part, Canada should do. It in the eyes of this Minister seeking occasion of offence have made any reference at eral way. They should min business, says he; this is Canada's business. Is it? strange way of viewing a s has been handled by the co a comprehensive way, with to all the Dominions, a s of welcoming home a Prin who participated sympathe discussion that resulted in t ing to all British Governme of Imperial consultation "in of common defence." Can erally understood to be a British Empire. What sho matter is of very vital t every other part, and an that interest might reason nected to have a welcome, a snarling rebuff, from a e Canadian Government hans Mr. Lapointe's portfi him in service to that sort of justice which, it has "should ever be close-eare mouthed, that is, to hear

Making Snakes Ck It seems probable that long a woman may be al

speak much."

berself almost entirely in bloned from the skins of s To boots, shoes, slippers handbags fashioned from tanned hides of serpents recently been added mani scarls and other dress which are finding favor

But in another winter a facturer promises to be s suits made of snake skins be says, be remarkable for

The portunity to make bear a large part of the clothing womankind seen tures as well as hues a There is a snake skin suit every purpose to which dinary kinds of leather the ingenious manufactus tinually devising ways of that were formerly thoug for commercial purposes. Naturalists have long

the skins of certain snak the most exquisitely bea in all nature. Their inch the clothing of women gl ter chance to appreciate t have had befor

Candlesticks, I Shapman - "Christma madam? Something us mental?" Shopper-"No, neither

ding present I want." An enormous volcanic middle of a great glacie ly discovered in Iceland