#### PREVENTING LAMB LOSS IN SPRING HINTS FOR THE STOCK FARMER

BY L. STEVENSON, V.S., B.V.Sc.

losses are experienced, a few lambs ing of those attending sheep are seven days. Early Norther an may sicken and die, or half the lamb usually very much contaminated. fined to or have access to pens and years that have sheltered sheep for many years the losses are frequently such as to take much of the profit 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 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, 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, feces passed with pain and sheep raising. Even if the loss stiffness, feces passed with pain and sheep raising and

various names, "Lamb Dysentery," blood. Should the lamb live for sev-"Red Scour," "Yellow less severe cases, its back is arched, its abdomen empty, and a mass of "Scour." Scour." Sickness."

The Cause. Two different organ-material chings to the tail. In this isms, working together, an evil combination, one is known as Bacillus Coli and the other as Bacillus Welchii. Harmless strains of these bacteria are found normally in the intestine These ulcers make way for the Bacillus Coli to enter the general circulation.

spread and may be found wherever as long as sheep are kept.

The following post mortem sympof 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 bewel conwhere it causes a catambal 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.

POST MORTEM.

unconsciousness

With the bacilli hardy enough to live from season to season, distributed 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 premised infected

#### Cost of Apple Thinning.

To thin or not to thin is necessarily age of the fruit twice, which does not happen. a question of importance to growers his latest report, the Dominion Horticulturist goes somewhat exhaustively into the subject based upon experiments conducted with the Wealthy variety. Not only is the question considered as regards quantity and quality, but also in reference to cost and 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, from the report are quoted pretty the fertility of the soil and make poswell in full as indicating the conclusible larger yields of practically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collar and long sleeves gather-some experience which has no analytically all round collars and long sleeves gather and long s sions reached by the Horticulturist other cultivated plants. (Mr. W. T. Macoun): It should be The supply of nitrates in most soils 8, 10, 12 and 14 years. Size 10 years human life is described. But from the pointed out, he says, that the opera- is too small to allow most crops to tion of thinning does not cost the make their greatest growth. Howgrower any more than not thinning. ever, certain bacteria find a congenial The apples on the trees must be pick- home on the roots of certain plants, 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 amount of money spent on good ma- to think of the whole incident as shed, grading and packing. If a part of a legume is left in the ground 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 threes and culls and have to be disand more food than it would have adorable things. Price of the book fully after the example of Jesus? Can 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 great advantage of thinning-by reducing 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 atof 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 ten billboards to the mile. not always appreciate this point, except the root. holding that the cost of removing the Hanging is a nuisance if you have return mail.

to bear the cost of picking a percent-

## How Legumes Improve

The legumes, or podbearers are, next to grasses, probably the most important of all orders of plants to the farmer and to mankind.

These plants are valuable not only

#### I Feed Hens by Wire.

15th. After the latter date the re suit is poor. It was also proven that In numerous flocks each spring, sheep frequent. The hands and clothsprouting forwarded the crop by

In numerous flocks each spring, sheep frequent. The hands and clothsprouting forwarded the crop by

Steaming vegetable soup made with
steaming vegetable soup made with out on the green grass the losses are to-night, but where ewes are con- or more may be dead. If the lamb with Wee Macgregor the results as Introduction—Peter, after he betained. is as low as one in four it puts a crimp in the profits.

This destroying disease is known by blood. Should the lamb live for sevhalf an inch long were the result.



A SMART FROCK FOR THE JUNIOR MISS.

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 waters. 10 cents the copy.

HOW TO ORDER PATTERNS. ly, giving number and size of such incredible things? , patterns as you want. Enclose 20c in II. CHRIST IS NOT ONLY OUR EXAMPLE, Throwing a cabbage head to the stamps or coin (coin preferred; wrap

## Sunday School Lesson

own strength was insufficient. This ting in a sudden chill spring rain, them at one time a glass of orange Wilson Publishing Company

is the truth which is brought home to us in the incident selected for to-day's lesson. Christ is our example certainly, but he is our example only by be physical examination, but mothers at another time give an egg nog or plain milk with bran or whole wheat doing it, but when he tried it he lost vitamines to fortify against connerve, and had to cry, "Lord, save tagious sicknesses."

cookies as the most frequent description and serve meats less frequently the cookies as the most frequently to the cookies as the cookies as the most frequently to the cookies as the nerve, and had to cry, "Lord, save tagious sicknesses. spiritually. To follow Jesus amid

> 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 nan should attempt miracle narratives as the Walking on to walk on the waters. It cannot be

> titude, commands his disciples to re- V. 31. This is the most important the Galilean lake.

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 toa chic bow. There is a becoming wards them over the waters. Clearly ed to wristbands. No. 1480 is in sizes ogy in the ordinary happenings of a 10 12 and 14 years. Size 10 wars human life is described. But from the requires 214 yards 39-inch material, state of superfluctural torton by the or 1% yards 54-inch, and ½ yard 39-inch contrasting. Price 20 cents the hearing the voice of Jesus say to our new Fashion Book contains not afraid." This assurance creates

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 children the privilege of wearing the Christian able to walk successhe rise superior to the terrors and powers of the world as Jesus did? right." Will he be supported by the invisible Write your name and address plain- arm of God, as Jesus was, in doing

laide St., Toronto. Patterns sent by nerve and beginning to sink he cries, 'Lord, save me." He discovers that

## SPING AT THE CHARLES TABLE EMPHASES ON FRUIT AND CEREAL

BY LETTIE GAY.

may sicken and die, or half the lamb usually very much contaminated.

SYMPTOMS.

The lambs may appear all right to make the figure of more may be dead. If the lamb out on the green grass the losses are very small, but where ewes are confined to or have access to pens and to make the figure of march usually very much contaminated.

SYMPTOMS.

ANALYSIS.

ANALYSIS.

ANALYSIS.

ANALYSIS.

In Christ our example only? 22-29.

The lambs may appear all right to might, but to-morrow morning one or more may be dead. If the lamb or more may be dead. If the lamb or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day, fined to or have access to pens and contracts the disease during the day.

In the lambs may appear all right was ready August 16th. The Lis charge on the right was ready August 16th. The Lis charge on the right was ready August 16th. The Lis charge on the right was ready August 16th. The Lis charge on the right was ready August 16th. The Lis charge of marks and apathetically design with the right was ready August 16th. The Lis charge of marks and cream the r

repeatedly forced to admit that his as a consequence of an all-over wet mid-morning, or in the afternoon give ing at the same time our Saviour. We need not wait for the doctor to re- plain milk with bran or whole wheat 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 celwalk on the water when he saw Jesus lulose to help regulate the body, and not too much sugar, and plain, crisp SPRING DIETS.

Vs. 22, 23. Jesus, after the great whose sovereign will even the stormy

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, 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 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 later life he did not forget. When at 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 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 folper front panel is of contrasting mainless a strange new power and authority of Christ. To do
the supernatural in work for Christ or to succeed in following his example we need to put terial and the lower section is plaited tradition states it in the form that the divine grace of the Son of God



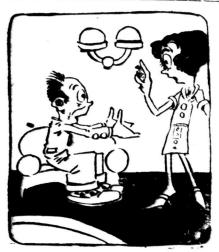
She-"Do you think dancing sinful?" He - "Well, it's syn-copation all

Mrs. Smithers (on motor trip-This is an awfully poor road."

Salt Scarce in China.

PLAIN DESSERTS.

usual substituting cereal, nut and fears and temptations is like walking on the stormy billows. A man needs which children are most likely to catch Meat loaves and other chopped meat Christ's presence and Christ's power colds, and although there must be mixtures, have to recommend them, beto do it. Those who, like Peter, have plenty of good nourishing food, keep sides their economy, their adaptabilfollowed Christ most closely have the menus simple and watch the ity in combinations with chopped found in him not merely the pattern sweets at this time of year. A large vegetables and cereals. A meat loaf, er ideal of the religious life, but the salad made of chopped vegetables like mincement, may be mostly some-I. IS CHRIST OUR EXAMPLE ONLY? 22-29. (raw carrots, cabbage and tomatoes thing else besides meat. Try mixing It is important, in dealing with the are palatable in such a combination), the ground meat with canned tomaniracle narratives in the Gosnels to miracle narratives in the Gospels, to remember that, first and foremost, and a dish of ripe bananas with thin bran cereal. Add one or two beaten they are the record of religious experiences. Those who lived near to cream for dessert, is an adequate eggs, a chopped onion and other sea-Jesus found in him not only truth and luncheon for most healthy children sonings. Grated carrots or cabbages love and righteousness, appealing to and at the same time furnishes the or finely diced beets may be added to their reason, but a strange super-body with those tonic properties and the meat mixture for additional numan quality before which they regulatory ingredients which bad freshness and vitamines, or may be trembled, but which, nevertheless, weather and a period of inactivity added to the meat sauce the last minute before serving.



She (shriekingly)-"Base deceiver!

London.—The discussion as whether a new Great Seal will b necessitated by the change in the King's title following the Imperial Conference decision has brought out information interesting to thousands of people who know only vaguely what the Great Seal is.

The seal itself is composed of two heavy discs of sterling silver hinged together to form a mold and is three inches across and a quarter of an inch thick. When the new one is manufactured the King will give the old one a gentle tap with a hammer-a process called "damasking," after which the old seal becomes the personal property of the Lord Chancel-

Opening a silo? Here's a tip: The way we used to get moldy ensilage out was either to throw it down the chute and carry it out of the barn, or throw it up out of a little door in the roof. One day I thought of something better. I took a couple of hinges and four boards and framed a door in one Smithers—"It has its compensations, side of the chute about six feet from my dear. We're not getting more than the ground. The hinges must be at the bettom of the door inside, and door must be about fruit in the summer must be added to tie each head. I made several hooks to the cost of picking had the trees of No. 9 wire and can easily slip the not been thinned. If this were the not into these and do it in a hurry. Seventy-six times as thick as that of the eyelid.

They don't come loose either.—E. R. the eyelid.

They don't come loose either.—E. R. the eyelid.

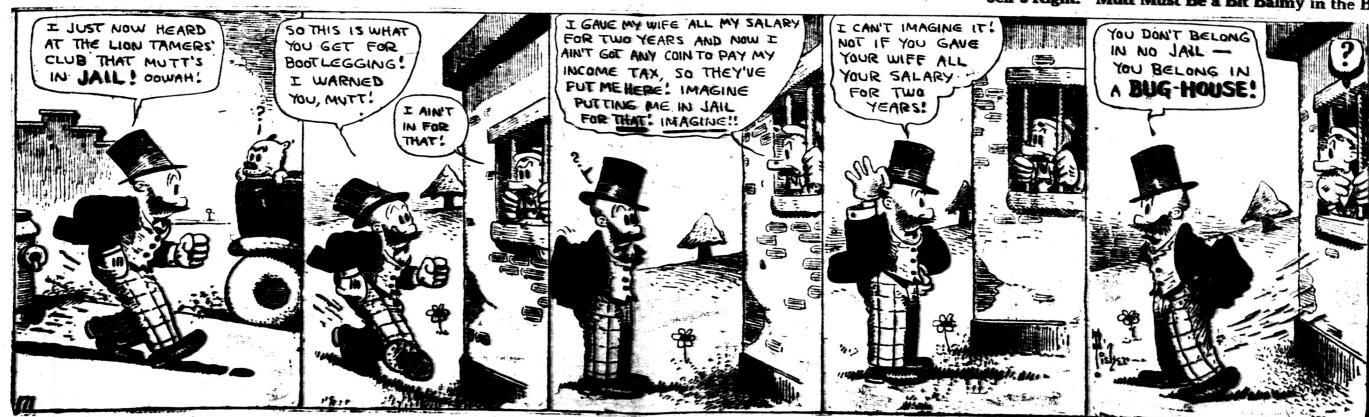


"I want you for my wife." thought you a single man!"

# Necessitates New Seal

MUTT AND JEFF-By Bud Fisher.

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



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Unusu Shrewe

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