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This illustration shows the inside working of the 2 in 1 Automatic Awl. This is absolutely the only tool in the world that will sew with either a waxed thread or steel wire. The 2 in 1 is a combination of the two best dollar tools in the world, and should sell for \$2.00, but to introduce it we will send it all charges paid to any address for \$1.00. The 2 in 1 will sew harness, boots, bags, tents, pulley-belts, etc., making a perfect lock-stitch and yet it is so compact that it can be carried in the pocket like a knife.

We will send the 2 in 1 complete, with a large reel of waxed thread, a skein of special process steel wire and three extra needles, charges paid for \$1.00.

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The Great English Remedy

Grasshopper

Ointment and Pills

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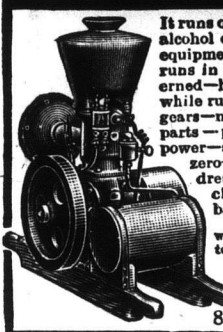
HAVE
A
BAD
LEG

a Poisoned Hand, Abscess, Tumor, Piles, Glandular Swelling, Eczema, Blocked and Inflamed Veins, Synovitis, Bunions, Ringworm or Diseased Bone. I can cure you. I do not say perhaps, but I will. Because others have failed it is no reason I should. You may have attended Hospitals and been advised to submit to amputation, but do not. Send at once to the Drug Stores for a box of Grasshopper Ointment and Pills, which are a certain cure for Bad Legs, etc. See the Trade Mark of a "Grasshopper" on a green label. 40c and \$1.00 per box. Prepared by ALBERT & CO., Albert House, 73 Farringdon Street, London, England (copyright). Wholesale Agents, The National Drug and Chemical Co. of Canada.

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ABSORBINE, J.C. Liniment for man-kind. Removes Painful swellings, Enlarged Glands, Goitre, Wens, Bruises, Varicose Veins, Varicocides, Old Sores, Allays Pain. Will tell you more if you write. \$1 and \$3 a bottle at dealers or delivered.

It is spelled A-B-S-O-R-B-I-N-E and Manufactured only by W. F. Young, P.D.F., 138 Lyman's Building, Montreal, P.Q.
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Detroit Motor Car Supply Co.
82 Canton Ave., Detroit, Mich.

When writing advertisers please mention The Western Home Monthly.

into the pens before they became chilled. This made them hardy and fitted them for going on to spring pasture.

About the middle of April we began turning the calves on pasture, at first only a few hours a day, but by May 5 they were left out from morning till night. From May 15 on they were given no shelter excepting a shed which opened to the south. They were not fat at any time, but were always in good growing flesh. They made rapid gain throughout the summer and paid us in full for the care taken to start them right.

Make Churning Easy

G. A. Gilbert, Colorado Agricultural College

Practically all cases of difficult churning can be readily overcome by methods of handling. Ripening the cream to a higher degree of acidity and churning at a little higher temperature will overcome most of these cases. Cream at this time of the year is often allowed to sour at too low a temperature and is kept too long before churning. It should be ripened at a temperature of about 70 degrees, and when it has developed a clean, sharp acid taste it should be churned. A thermometer is almost a necessity in getting cream ready for churning. The temperature at which to churn cream will vary with conditions, but for this time of the year it should probably not be below 60 degrees.

When thick cream is put into a churn at a low temperature the agitation may cause it to incorporate bubbles of air which make the cream swell and froth and behave as though it were beaten. It cannot be churned in this condition, but must be warmed gradually several degrees and then the churning started again. This can be accomplished by a little lukewarm water added directly to the cream or by warming the cream from the outside. Too much water should not be added or difficulty in churning will result from the thinness of the cream.

Sometimes, when the churning temperature is low, no frothing will result, but the formation of butter seems to stop just short of the breaking point. The difficulty is overcome by slightly warming the cream or by adding a little dry salt. The salt affects the viscosity so as to facilitate the union of the fat globules.

How Much Seed Oats?

H. W. Snyder, Onondaga County, N. Y.
In the recent article in your paper by C. D. Smith, one is led to believe that the more oats one sows to the acre, the less oats he will harvest, provided the phosphorus content of the soil remains the same. Theoretically then, if one bushel of seed oats is sowed to the acre and the soil contains enough phosphorus to grow a 40-bushel crop, if two bushels of seed are sowed we will get a yield of 22 bushels to the acre. Supposing now that a man has a nice lot of seed oats and sows three bushels to the acre, what will be the result? If we follow Mr Smith's theory this man will harvest three or four bushels to the acre.

It has always been my experience that the more seed one sows the more plants will come up. I don't mean to say that there will be a greater crop of straw at harvest, for everyone knows that the oats plant stools out when it gets above the ground if it has plenty of room. If a man sows one bushel of oats to the acre there is not much crowding of plants when they first appear. They have plenty of room to stool and one stalk will be far ahead of three or four others that might be called suckers. Suckers in a hill of corn are pretty sure to be the bearers of the nibbings. Certainly the short, backward stalks that are the result of stooling will not be in shape to get the benefit of the sun and air received by the parent stalk.

If we sow two bushels of oats to the acre, the plants all come up at the same time and each has an equal chance to hustle. There is not the room to stool out, thus making a lot of small, unthrifty stalks. Every stalk grows to about the same height, and all the

grain is matured at the same time. One year I sowed a half-bushel of seed oats to the acre, and though seemingly harvesting as much straw as when I sowed two bushels, the grain yield was only 35 bushels. Last year I sowed 2½ bushels to the acre of seed oats and without any more straw secured a yield of 71 bushels. I fully appreciate that phosphorus as well as potash and nitrogen is necessary to the oats crop and use fertilizer mixed on the farm, but I think that more seed sowed to the acre on well-fitted land will stool less and bring about a better and a more even harvest.

Remarkable Demand for Warm Winter Footwear

To all who have lived in this country during the winter, and whose work keeps them outside on the farm or otherwise, in the cold weather, the problem of keeping the feet warm has been a big one. Many of our readers will be glad to know that they can now buy footwear, which carries with it a guarantee of warm feet at fifty below zero. This footwear is the famous Lumbersole Boot, manufactured by and imported direct from Scotland, by the Scottish Wholesale Specialty Co., Winnipeg, Man. The company daily receives letters from thousands of customers throughout the West, saying what great satisfaction they have derived from these boots. The fact that the soles are made of wood, which acts as a non-conductor of cold or heat, and the boots themselves are lined with thick cozy felt, seems on the face of it, to be a guarantee of foot comfort. The company reports an exceptional demand already for this winter's supply.

The Christmas Song

(Continued from Page 2)

loved and to know by outward sign of some sort the feeling of the heart towards him? Is it anything to be wondered at that, after repeated attempts to break through these barriers to his happiness in the home, he should turn to his pet driving horse, his best milk cow, his sheep dog, or even a Plymouth Rock rooster? With them he would find appreciation of kindnesses shown. Not at all surprising that when Brown calls, he is shown the latest housing for the live stock, about which the farmer has been compelled to centre his interests. Call him rotten with pride, if you will—he is but human. In the woman of his choice he has not found the loving and helpful companion he sought and thought he had found; she has condemned him for his faults, nor aimed to help him overcome them, but been grossly at fault herself, yet he continues to idolize her, and refuses to believe her at fault—but he must have love, and finds some little consolation in associating with the lower animal creation.

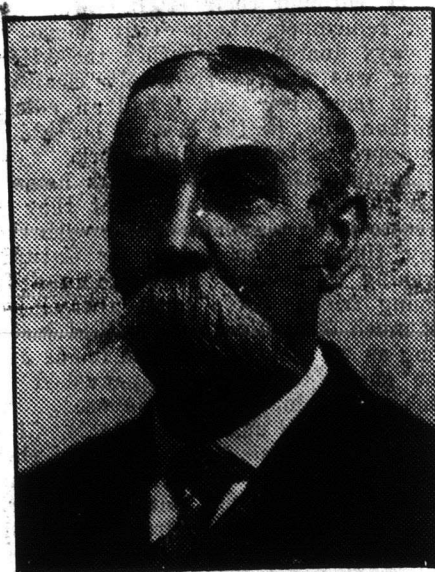
Long ago the "little shack" might have given place to a pretentious dwelling, had the wife but recognized at least some slight semblance to the Divine in her husband, and tried sympathetically to bring out the best that was in him. The farm could not be made to produce as it should, or its products be properly cared for without implements and hired help, and the hired help and the machinery notes must be paid if the farmer goes bankrupt. The wife's hands may be ever so honest and her heart faithful, but she cares not a rap for the appreciation of others, and, if in trouble, for the sympathy even of her husband who, after all, being born of woman, has inherited more of such tendencies. There was a time when he was susceptible to loving influences, which had been brought to bear on him properly, might have at least changed the whole aspect of life for himself and wife, if for no others, but now he has developed a chronic moroseness that would require an earthquake to break up.

If this picture is also one-sided, it now remains for another to give us a word picture of a model home, where there is naught but love and harmony, and they "live happy ever after."

Tillicum.

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Brooks' Appliance, the modern scientific invention, the wonderful new discovery that cures rupture will be sent on trial. No obnoxious springs or pads. Has automatic Air Cushions. Binds and draws the broken parts together as you would a broken limb. No salves. No ties. Durable, cheap. Pat. Sept. 10, '01. Sent on trial to prove it. Catalogue and measure blanks mailed free. Write me to-day.

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