THE SHEEP INDUSTRY.

fore Theroughbreds Imported Into Canada This Summer Than for Many

Not for many years have so large a number of sheep of the different breeds een imported to Canada as have been the company of this support and this support and the support of the support been imported to Canada as have been brought out this summer, says The London Farmer's Advocate. This may safely be regarded as an indication of the existance of an active demand for this class of stock. Indeed, it is well known by those in teach with the business that so heavy have been the drafts upon Canadian purbered flocks in the last two or three years that they have been reduced in numbers have been the draits upon carry that they have been reduced in numbers to a lower point than has been touched it the last thirty years; and the importation of fresh blood on a larger scale than usual has been felt to be a necessity if we would maintain the standard of our stock and hold the markets which the high-class character of our sheep has won for us. It is gratifying to know that so many Canadian breeders have the courage and the enterprise to assume the risk of importing on so large a scale; and we are glad to learn that commendable care has been exercised in the selections made for importation this year, and that a larger proportion of high-class stock than usual has been brought over. The magnificent display of sheep of all the principal breeds at the leading exhibitions in



LINCOLN RAM LAUGHTON, 235 GUINEAS Winner of first and champion prize, R.A. S.E. Show, Maidstone, 1899. The prop-erty of Messrs. S.E. Dean & Sons, Dows-by Hall, Bourne, Lines.

Canada amply demonstrates that we have Canada amply demonstrates that we have a country admirably adapted to the production of this class of stock in the highest degree of perfection, and that we have practical shepherds not a few who are well qualified by training and experience to bring them out in the pink of condition and in robust health and vigor. The splendid record made by our flockmasters plendid record made by the great internasplendid record mac's by during the machine winning honors at the great international exhibitions in which they have competed, notably at the Columbian in 1898, with Canadian bred and fitted sheep in their own hands, and those of others to whom they had sold, furnishes aridence of the high-class bundant evidence of the high-class

others to whom they had sold, furnishes abundant evidence of the high-class character of our sheep, the undoubted akill of our shepherds, and the suitability of our climate, our soil, and our stock foeds for the growth and development of sheep and the production of mutton and woel of the very best quality.

In view of these facts, it is unaccountable that so few sheep, comparatively, are found on Canadian farms, that by a very large proportion of our farmers they are entirely neglected, and that the aggregate number of sheep in the Dominion has been steadily decreasing for the last 15 years. We are confident this fact is not due to any general disability affecting the industry. We believe it is absolutely safe to say that in no other country are sheep liable to so few diseases or disadvantages of any kind. The climate is as near an ideal one for the guocessful raising of this class of stock as can be found anywhere in the world. All the principal mutton breeds do well with us. There is no class of farm stock the raising and care of which requires so little labor or expense as this inoffensive and unpretentious money-maker. Sheep will live in summer largely upon plokings in the lanes and byplaces of the farm, and will eat many of the weeds which infest the pastures, and thus help to clean the farm and keep it clean. No stock is se little affected by protracted drouths—they prefer a short nibble, and thrive better in a dry season than in a wet one when feed is over-flush. The fleece of wool—a volunteer crop, which never falls—which is presential during the wet one when feed is over-flush. The fleece of wool—a volunteer crop, which never fails—which no ether farm stock yields, and which is perennial during the life of the animal, amply pays for its winter's keep even when liberally fed, and anywhere from 50 to 100 per cent. of an annual increase from the ewes may reasonably be expected, and with a little cent and good management, may be realcare and good management, may be realized. We doubt if any other investment in farming will pay as liberal dividends as those semi-annually declared by a well-bred and well-cared-for flock of sheep. There is generally a good steady demand for muttor sheep er lambs in the meat market at all seasons of the year, at good paying prices, considering the cost of production; while the demand for breeding stock for impreving and replenishing the flocks on the farms and in the range territories of Canada and the United States is such as to make it deviated to extent to that trade. cidedly profitable to cater to that trade, and Canadian farmers are peculiarly well



HAMPSHIRE YEARLING EWES. First prize pen of same flock, Royal Show, Maidstone, 1899. Bred and exhibited by Mr. R. W. Hudson, Great Marlow, Bucks, imported by Mr. Robert Miller, Brougham, Ont.

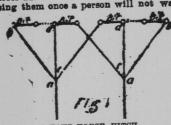
creasing trade in this line which is bound te come our way. Many United States dockmasters look to Canada for rams for the improvement of their flocks, knowing from experience that sheep bred and raised in our climatic conditions possess the requsite stamina and quality to improve the stock they are brought into prove the stock they are brought into contact with, and they will continue to come here for fresh blood. The Americome here for fresh blood. Inc Americans are fast becoming a mutton-eating people, and it is hard to understand why the same cannot be said of our own people, for there is certainly no more wholeseme meat that can be placed upon our tables. Lamb is rapidly growing in favor as an article of diet, and brings highly account in the contract of the cont as an article of diet, and prings highly remunerative prices, considering its cost of production, and gives quick returns to the producer and we may look for a stealy increase in this trade, in sympathy with the prevailing preference for young meat in all lines.

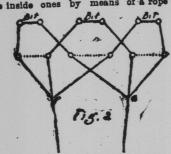
While it is true that the quality of our best breading flocks has been well main-

best breeding flocks has been well main-tained, thanks to the skill and pluck of the breeders of pura-bred flocks, who have nobly held the fort through times of degression without adventitions and

from outside sources, while kindred in-dustries have been boomed by Govern-ment agencies and aided by special favors at the public expense, yet it is also true, as we have intimated, that sheep are be-







A male of medium size should be preferred to one that is heavy and clumsy. Most persons pay too much attention to the size. They overlook the fact that the larger the bird the longer the period required for reaching maturity. Provided the male selected is pure bred, it is an advantage if he is small rather than large, where the object is to hatch out pullets that are desired to mature early. In selecting the male let it be done with some@object in view and which is to be accomplished. It is of no advantage to accept one as a gift if he is not suitable for the purpose. Bear in mind also that for the purpose. Bear in mind also that the male, so tar as his influence is concerned. So one-half of the flock.—Maine

Watching a Plant Grow. Any of you who are fortunate enough Any of you who are fortunate enough to have access to a miscroscope may try the following experiment with little trouble: Take a collomia seed and cut off a thin enough slice to let the light through clearly. Then place the slice on a slide, cover with the cover glass and place under the microscope. When the instrument is well focused, standing in a vertical position, moisten the slice of

will give a horse the sceurs more quickly than any other feed. The oat hull irrithan any other feed. The oat null irritates the intestines at its best, and it therefore needs to be theroughly dried out before being fed. If given, it should have some old timethy or meadow grass hay fed with it.

Balt Liek for merses.

Place a box of salt near the watering trough so the heroes can lick it whenever they ge to drink. This is preferable to they ge to drink. This is preferable to they get with it.

CULTURE OF BUBLS.

erous Supply in the Fall-Some

and disagreeable job. yet it is one that all successful farmers must perform. By the usual method of hauling it in the

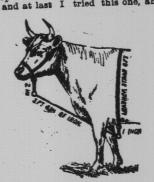


to have access to a miscroscope may try
the following experiment with little
for a thin enough slice to let the light
a thin enough slice to let the sactom wall use a manto replace under the microscope. The accompanying sketch
will show one on low-wheeled running
goars, and without the sideboards, which
are easily put on when required. It is
are easily put on when required to two by fours,
which are bolted securely to a frame
made of two by six plank which fits inside the standards that hold the wagon
box in place. Ther

Salt Lick for Herses.

SECRET OF STILTON. Why Flower-Lovers Should Plant a Gen- No Definite and Precise Rules Are Knewn for the Making of the

Famous Cheese.

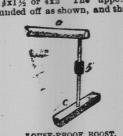


The common chickwood and pigweed, that start up in gardens in midsummer and make remarkable growth within a short time, are both weeds that rank very high in nitrogenous compounds. Not even second-growth clover will furnish as much nutrition for their bulk. Hogs and cows are extremely fond of both, and will cat them greedily. They are excellent not only for breeding sows, but for hogs that are being fed grain and need more succulency in their ration.

Cracked Wheat for Yeung Chicks.
Some cracked wheat should be given to chicks before they are a week old. It is the best exercise their digestive organs can have. Whole wheat will be eaten when the chicks are 10 days or 2 weeks old, and should always form a part of their ration. It is particularly valuable the make them feather quickly, the grain containing just the kind of material necessary for feather production. Even chicks that are hatched in mid-summer will become fully feathered before winter and will make farly spring layers.

The Freeding, Fitting and Training of a Photographing Boos - Their Habita, Calf Is Necessary to the Production

The properties of the control of the



harnessmaker, and got him to make a halter for the cow's head, and a leather strap, six feet long, to go around just behind the front legs, and then I got the hind the front legs, and then I got the rest made of iron.—Arthur Mills Wilcocks, in Farmer's Advocate.

Nitrogenous Weeds.

The common chickwood and pigweed, that start up in gardens in midsummer that start up in gardens in midsummer within a didition to their fruit diet. This will make the young pigs grow and will make the young pigs grow and will strengthen their digestion for the exclu-sive corn feeding that will come when they are put up to be fattened.

Bare soil soon loses its humus and becomes infertile. This must be prevented. Here is one way of preventing it: Plow the orchard in the spring, cultivate both ways and keep all weeds down till September 1, at which time the soil will be in fine condition for a seed bed. Sow rye at the rate of two bushels per acre. This will cover the ground well before winter, and therefore protect the ground from blowing or hard freezing during the winter. Let the rye stand till knee-high in the spring, then turn under and projeed with clean cultivation through the number.

Cause and Effect. If you starve your cow your pecket-

BEE PROBLEMS. Especially Their Pelyandrous One, to Be Fully Investigated.

The matter anchor which hisbord in the street special of the policy of t Just how the problem will be solved has not yet been decided upon in all cases, but some of the proposed experiments are interesting in prospect. For instance, in the case of the honey besits proposed to construct special observa-

vigor are often sacrificed in forcing the office of maternity upon the young things. Much depends upon the development of the animal, but it may be safely said that no helfer should drop her first calf before she is 3 years old, and not later than when 30 months of age. The handling of the calves and helfers is also an important feature of this development and training. They should be trained to the cow habit of dependence upon and regard for their master from infancy to maturity. The helfer or cow that does not repay her owner for gentleness, kindness and intelligent care, has not sense or capacity enough for a dairy cow, and the man who withholds these from the good cow has neither sense nor capacity enough for a good dairyman.—Dairy and Creamery.

Louse-Proof Roost.

Make a foundation of 4x4 scantling, in the shape of a frame, about as long as the building, and wide enough to make the roosts of suitable capacity. For the preches use 3x4 or 4x4 scantlings, ripped through the middle so as to make two pleces 4x1½ or 4x2 The upper corners are rounded off as shown, and the perches is shown, and the perches are rounded off as shown, and the perches is solven in spring in the northern, and in fall in the southern States. The seed is usually sown broadcast at the rate of 40 to 60 pounds per acre, and covered is

in fall in the southern States. The seed is usually sown broadcast at the rate of 40 to 60 pounds per acre, and covered in to the depth of three or four inches. The plants when suitably fertilized are vigorous growers, and one plant spreads out till it occupies a square yard or more.

The seed of oultivated lupines is nearly all imported, and costs about ten cents. per pound. Like all leguminous plants, the lupines draw upon the free nitrogen of the air for the more costly part of their food and fix this in their tissues, which, when turned under become available for non-nitrogen-gathering plants. Chemical analyses show that one ton of green lupines contains of nitrogen 8.8 pounds; phosphoric acid, 6 pounds; potash, 17.3 pounds. The average growth on well-fertilized soil is six tons per acre, which at the prices of commercial fertilizer makes the fertilizing value per acre worth about \$20. Of this \$20, \$3 representations. petroleum.

The roosts can be lifted off the supports for cleaning and to give access to the floor of the building. They may receive an application of coal oil or be whitewasned themselves occasionally. Instead of using the framework for foundation, the pipes or roots may be simply driven into the ground in their proper places. In the cut but one support and one end of a perch are shown. The perch may be any length, and is supported at the end not shown, in the same manner as at the ene illustrated.—American Agriculturist.

asn, 17.5 points.

well-fertilized soil is six tons per acre, which at the prices of commercial fertilizer makes the fertilized soil. Is six tons per acre, which at the prices of commercial fertilizer makes the fertilizer acre.

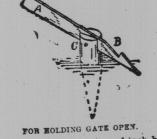
In the cut but one support and one end of a perch are shown. The perch may be any length, and is supported at the end not shown, in the same manner as at the ene illustrated.—American Agriculturist.

pay to grow lupines.

A good fertilizer for lupines is acid.

Phosphate 600 to 800 pounds per acre, kaints 800 to 1,200 pounds, or muriate of potash 200 to 300 pounds. Lime and marl are also needed where a permanent. improvement of the soil is needed.— Gerald McCarthy, of the North Carolina

The accompanying diagram shows an ethod of holding open a gat



n a wind. A is a piece of inch beard at the lower end. C is a bolt through the stake and on this the stay works free ly. On opening a gate the lower board slides up the slant and lodges in the notch until liberated. This is a good thing; I have tried it myself.—James Skelton of Niagara-on-the-Lake, in Practical Earman tical Farmer.