that we also have something in Canada and the scrubby and rather rough, and it is thought best threading old bolts or making new ones. Dur-Canadian West, and also that with our present adapted for sheep rearing.

Winter Work at Brandon Farm

Few farmers think of visiting any of the the winter's work at the Brandon farm. Dominion experimental farms during the fall or winter seasons. Perhaps many imagine there is little to see, but those who think thus are mistaken. While the principal function of those farms situated in Western Canada may be the experimental work carried on in the fields, plots and gardens, yet none the less important is the livestock and feeding experiments conducted in the stall or in the corral.

field experiments are those found about the which it would be well to have discussion.

items that should appeal to every husbandman to contributors. pounds of meal each per day on a broad elevated "old men" at 18 or 20 years. table. Their roughage, such as straw and coarse January 4.—What should be the attitude of the increase their concentrated feed supply, giving farmers and the industry at large? them more meal as the season advances.

but three pounds of meal per day. Part of the the breeding season. lot of the fourteen stall-fed steers were given January 18.-Why is it that so many young

horns and they are being bred with the purpose and boys on the same jarm? of establishing a dual-purpose herd. Some of these animals come from high record milking

In the piggery several lots of hogs are seen. velopment on an average amount of feed.

barn is being built for their accommodation, south. The cost of the building was about \$20, loops, B. C.: Abittibi, Ont., and Scott, Sask. These ewes are grade Oxfords and they are being The tools comprise forge, anvil, vise, drill,

and all interested agriculturists should carefully in less time. watch the tabulated results when published of Sharpening plow shares is the item which is

## Farm

## Topics for Discussion

A visitor to the Brandon Experimental Farm farm work The FARMER'S ADVOCATE has adopted shares and also weld. at this season of the year is met with the com- the "Topics for Discussion" column, in order agriculturalist, and even a few minutes con- Not only do we wish our readers to discuss the sharpen up when the team is feeding. versation with him in his office will convince topics announced for the various issues, but also

a wheat-producing country yet a certain and ment, but the questions dealt with cover all \$75 in plow shares and sundry work, and then be sure diversification is already pressing its im- branches of the farming industry. Letters should ahead in his work, having lost no time runportance upon the tillers of the soil; thus the not exceed 600 words and should reach this office ning for repairs, which are often not ready. need and value of practical information coming 10 days previous to the date of issue. They are from demonstration work along diversified agri- read carefully and a first prize of \$3.00 and a part of the board bill, because when a small part second prize of \$2.00 awarded each week, breaks the men are generally able to fix it up At the Brandon farm is found many interesting Other letters used will be paid for at regular rates on the farm, and get to work again sooner.

The animals that run in the open are fed three and make more money. Too many farm boys are year.

hay, is provided them in loose form. This they farmer toward farmers' organizations? To how leisurely eat, and from every appearance they many can he afford to lend his best services and Canada for the fiscal year, ending March 31,

The fourteen animals fed in the stall are pro- givs the stallion in winter, and what preparations is an item of \$7,184.05 for new farms to be estabvided for somewhat differently. They are given do you make for the breeding season? Kindly lished, which is not chargeable to the farms in roots and silage. At the beginning their meal discuss this question fully, especially the relation operation: ration was a light one, being started off with between winter exercise and feed and his use in

2 or 3 pounds of alfalfa to take the place of part men whose fathers are interested in purebred of the meal ration. It will be interesting to note livestock seem to have a wholesome distaste for the final results of these steer-feeding experi- the business, and will have nothing to do with it? What's the matter with livestock, or the In the stables is found the herd of utility Short- boys we are raising, that it is hard to keep stock

## Farmers' Blacksmith Shop

EDITOR FARMER'S ADVOCATE:

It is practically impossible to blacksmith suc-A number of crossbreds fed for pork purposes cessfully in the open, so I built a 12 x 12 shop present a favorable appearance. Those, a cross with 6 foot walls and pitch roof. The smoke finds I of the Yorkshire and Berkshire breeds, were re- its way out through the roof pipe easier with this ported to show favorable gains and quick de kind of roof than with a car roof, and prevents I the objectionable feeling of being nearly choked. A new line of livestock on the Brandon farm The walls are shiplap, the roof one ply of half-inch l is a flock of sheep. A small bunch of grade boards laid crossways with a two-inch lap. I range-bred ewes were purchased, similar to what This is a good, cheap roof. There's a small winan ordinary farmer would buy and keep on his dow in the north. In the summer I use a storm farm. These were running outside in late No- window in front of the bench, which gives now vember, although a large and spacious sheep enough lights on the east side. Then the door is following points Fort Vermilion, Alta.; Kam-

bred to a purebred Oxford ram, with the object stock and dies, hammers, tongs, chisels, etc. A One of the best sales of Hereford cattle of late the keep of the sheep. Much of this land is The stocks and dies are of good service for re- £51.

rapid development we will soon reach the stage There are many notable features of the work breaks on the seeder or binder. With the tools a of perfection, and, in all probability, surpass the on the Brandon farm that should commend itself person can nearly always fix the breakdown at present livestock status in the United States. to many of our Western farmers. The experi- home, thus saving a trip to town, the cost of rements carried on are of a very practical nature, pairing, and is often able to get back on the land

> most important. Consider the time wasted by hundreds taking plowshares to town, when with very little practice the work can be done at home. There are always old shares lying around to practice on. When tempering shares, it is advisable not to harden them too much, especially if in stony land, as they chip so easily. Beginners should temper a little on the soft In recognition of the fact that valuable hints side. All I know of this work I learned by exalways are obtained from men engaged in actual perience, but am now able to sharpen and point

I used to pay 70 cents for sharpening a pair of plete arrangements that have been made to in- that our readers may see an open channel through 12 inch shares, and 75 cents each for pointing. sure comfort and a subsistence for all stock which they may inform their brother farmers As I use a sharp pair every day, it would keep a throughout the winter months. James Murray, as to practices that are worth adopting and warn horse running to town often. In place of this the superintendent of the farm, is a popular them against methods that prove unprofitable. I can keep that horse on the plow, as I always

The tools come in handy for repairs of every you with the fact that quite as important as the we desire that they suggest practical subjects on implement on the farm. So, an outfit earns its price and compensates the owner the first sumanimal dormitories. While Western Canada is This notice appears under the "Farm" depart- mer. I reckon a person can save from \$50 to

When the thresher is around, the shop saves

All the tools mentioned are of great service, possessing ideas of progressiveness. Prominent December 28.—Should the boy who proposes but in any case every farmer ought to have a among them is the experiment regarding steer to be a farmer be trained as an up-to-date farmer forge and anvil. The buggy oftens needs a feeding. Fourteen steers, averaging about 1,100 capable of taking part in discussions at public little smith work. A stitch in time would often pounds each, are being stall-fed. These animals meetings and holding positions in public life? save a lot of wear, but as town prices for repairare two-year-olds that were purchased on the What can be done to overcome the scarcity of labor ing are so high, the farmers' buggy is generally ranges. Eight others of similar weight are en- on the farm that makes it necessary for him to left until it is completely spoiled. Bolts and closed in a large corral and sheltered only from work from early morning until late night when clamps of any size can be made at home for the blasts of winter by the shaggy coats with he is too tired to read or study, or do anything to hay racks, floats, stone boats, etc. The amount which nature has so beneficently provided them. remove the picture of hard work to get more land of coal I've used has cost me only \$1.00 for the

## Cost of Experimental Farms

From the report of the auditor-general for are thriving well. It is the intention to steadily how can he be of greatest service to his fellow 1910, the following data is taken relative to the cost for maintenance and operation of Canada's January 11.—What feed and exercise do you nine experimental farms. Included in the charges

raim,	Expenditure.
Central Experimental Farm. Ottawa	\$59 70E 69
Branch Experimental Farm, Nappa	n 1900, 100.00
Nova Scotia.	
Branch Experimental Farm, Brando	8,572.98
Manitoba	
Branch Experimental Farm, Indian	12,473.73
Head Sack	
Head, Sask.  Branch Experimental Farm, Agassi	. 10,314.79
British Columbia	
British Columbia.	6,917.17
Branch Experimental Farm, Lacomb	е, '
Alta.	6,993.72
Branch Experimental Farm, Lethbrid	ge,
Alta.	9,821.76
Branch Experimental Farm, Rosthern	n.
Sask	. 14.934.57
Branch Experimental Farm, Charlotte	etown
P. E. I	10 559 95
vew farms	7 104 05
Detailed in 1908–9.	9 671 EC
	. 0,071.00
Total.	¢150 999 01
The new branch stations are local	**************************************

The new branch stations are located at the

of improving the flock. The purpose is to demon- useful outfit can be bought in Winnipeg for years was that of the well known herd of Jas. strate what improvement can be made on an about \$40. In buying a forge it is necessary Edwards, Leominster, Eng. The two-year-old bull, ordinary flock by the careful selection of purebred to have a wide pan, which is a saving in coal, and Broadwood Gambler, was sold for 230 gs., the sires. The sheep are fed only on clover hay is more convenient to work on. My forge is purchaser being the King, for the Windsor herd. at present, little grain being given them. Some homemade and works on the fan principle. It His Majesty also bought the heifer, Broadwood sixty acres of the farm is being set apart for cost me \$1.50 to make, and is second to none. Gem, for 130 gs. Seventy-four head averaged