

principal exhibitors. Mr. Mitchell showed a very fine aged cow, which won first. H. F. Page made a good second, which cow also won test for most milk. Mr. Page also won herd prize and 1st and 2nd prize for four animals the get of one bull.

Sheep.

Mr. James Bray judged the sheep to the entire satisfaction of all. He reports a big improvement in sheep from last year. More sheep shown and better quality.

SHROPSHIRE made a good showing. Some good animals were exhibited; as in other classes several had been brought in from Ontario. Two exhibitors, Mr. E. A. Kipp, of Chilliwack, and Wash. Grimmer, of Renche Island, were out. In aged rams only one competed, which went to Grimmer. Shearling rams made a good showing. Mr. Kipp won on an imported ram, and also 2nd went to a B.C. bred ram, while 3rd was given to a ram lately imported from Mr. Hanmer by Grimmer. In aged ewes Kipp again won on an imported ewe from Campbell, and one bred by himself; 2nd went to Grimmer to a pair lately bought from Hanmer. In shearlings, 1st went to Grimmer on a pair of Hanmer ewes, and 2nd to E. A. Kipp. Pen prize, one ram and four ewes, went to E. A. Kipp.

OXFORDS.—Messrs. Shannon Bros., of Cloverdale, were the only exhibitors in Oxfords. They were out with a nice flock. They had lately got a ram lamb from Ontario, bred by Messrs. J. H. Jull & Sons, Burford, which won in Toronto, and which was much admired by the judges and visitors. Altogether they had a flock consisting of 21. They are wanting more from Ontario.

SOUTHDOWNS were exhibited by W. R. Austin and J. T. Wilkinson, of Chilliwack. The latter has a nice flock of well-bred sheep. He has used several imported rams, and has now the ram which John Jackson & Sons imported, and which won first in Toronto, 1898. He won all the firsts, and part of the seconds.

COTSWOLDS.—Mr. Richardson, Render Island, B.C., was the only exhibitor in this class. He showed nine—one aged ram, one shearling and ram lamb, four aged ewes, and two ewe lambs. One aged ram and aged ewe were bred in Ontario.

LEICESTERS were quite a strong class. W. R. Austin, of Supperton, and Geo. Beebe, of Agassiz, exhibited. G. W. Beebe, of Agassiz, secured 1st on shearling ram, which was bought from Wm. Laidlaw, Guelph. The balance of firsts went to W. R. Austin, who had imported several from A. W. Smith, of Maple Lodge, Ont.

In LINCOLNS R. C. Wells & Sons, Chilliwack, were the only exhibitors, but had a fine flock consisting of three rams and twelve ewes. A noted aged ram was shown by them, bred by Gibson & Walker, Dunfield, Ont. They also showed an extra fine ram lamb bred by the same firm, and one pair of aged ewes bred by Grimmer; the balance of flock was bred by exhibitor.

In HORNED DORSET Mr. Geo. Beebe made a very creditable showing, having imported several from R. H. Harding, Thorndale, Ont. He secured most of the firsts.

Attention is being paid to wool-bearing goats in British Columbia. Mr. Banford had an exhibit which attracted much attention. This industry seems to be a paying one across the border. Kid sells for more than mutton, and the wool is worth fifty cents per pound, and the skins sell for \$8 to \$10 each. Whether they will pay or not in British Columbia remains to be seen.

Pigs.

The entries were larger than formerly, and some fine specimens of the breeds were shown. Berkshires made a good showing. A fine boar, Tom Lee, was shown, which was lately imported from G. Green, and which won 2nd in Toronto. Messrs. Shannon Bros. have imported several from Ontario, and have a nice herd of Berkshires. They showed a boar under one year, bred by R. Snell, which they imported this last season. He is a fair pig, but has poor ends, lacks some in the middle, and is undersized. They imported this one to head their herd, but, not being satisfied with him, they commissioned Mr. W. E. Butler

to buy one in Toronto, and Tom Lee was selected, which won championship for best boar in British Columbia.

Yorkshires made a light exhibit, and were shown by H. F. Page, Mission. Tamworths made a creditable showing. Mr. W. J. McGillivray, of Sumas, and Geo. Beebe, of Agassiz, were the principal exhibitors. Mr. McGillivray got 1st on aged boar yearling and on boar under twelve months and under six months, and one aged sow. Beebe won balance of 1st prizes.

Duroc Jerseys made the largest exhibit, and some extra fine specimens of the breed were out. The exhibit in this class would compare well with Toronto. Mr. E. A. Kipp had an extra fine lot, all of which were bought of Butler & Son, Dereham Centre, Ont. Mr. J. S. Smith also had some fine pigs, and won one 1st, while the balance went to E. A. Kipp.

Suffolk and Essex were a light exhibit, the majority being shown by J. Maynard, Chilliwack.

Chesters also made a large show, and which were exhibited by Jos. Thompson, Sardis, and W. R. Austin, Supperton. Mr. Thompson won most of the prizes.

In Poland Chinas Geo. Banford, Chilliwack, brought out a fine herd, and won the bulk of the blues. Mr. Banford has imported the most of his stock from the United States, and if anything it is a little on the short side for Canadian trade.

Will Wheat Run Out?

The Pennsylvania Agricultural Experiment Station has been testing the more promising new varieties of wheat in comparison with older and standard varieties since its establishment in 1887 and has recently issued a bulletin which has the following data in regard to the above subject:

"On the limestone soils of the State, where proper cultivation and fertilization are given and due regard had to the selection of the seed, a variety of wheat should not run out. Where the soil, cultivation, manuring and seed selection are not the best, it will pay a farmer to change his seed occasionally. Taking the average of the five varieties tested ten years on the Station farm for the first and last half of the period, we get the following:

	Grain per acre. Bushel.	Straw per acre. Pounds.	Weight per bushel. Pounds.
5 years, 1890-94.....	30.94	3937	62.10
5 years, 1895-99.....	30.24	3447	63.01
Difference	-.70	- 490	= .91

For the five varieties tested nine years, omitting the fifth year, we have:

	Grain per acre. Bushel.	Straw per acre. Pounds.	Weight per bushel. Pounds.
4 years, 1890-93.....	29.57	3760	61.55
4 years, 1895-98.....	30.50	3417	62.76
Difference	+ .93	- 343	= 1.21

Taking the correct average for the ten varieties, we have:

	Grain per acre. Bushel.	Straw per acre. Pounds.	Weight per bushel. Pounds.
First period.....	30.33	3858	61.86
Second period.....	30.38	3434	62.90
Difference	+ .05	- 424	= 1.04

It would seem from the above that there has been no tendency in the varieties to run out, but the work will have to be continued through a longer series of years to enable positive conclusions to be drawn."