

separated milk, next to them coming those which had been fed on corn meal and milk. The barley-fed pigs in every instance showed a greater increase than those which had been given a ration of corn meal, either alone or in combination with other foods. A great many of the pigs fed corn and pea meal grew so slowly that the pigs were graded as small. The corn-fed pigs, as usual turned out too fat. Separated milk was found to be the most valuable food that could be added to corn or barley as regards increase of weight, decrease of shrinkage in the dressed carcass and improvement of the quality of the meat, being only surpassed in this latter particular by bran. Bran thus showed up better than in some experiments which have been conducted on this side of the water. It is not safe, however, to lay too great stress on the results of a single experiment, and it may be that the bran used was obtained from one of the old-fashioned grist mills and was thus more valuable than the general run of bran nowadays.

As regards an ideal pig food, the conclusions reached from these experiments placed the various rations in the following order: Barley meal and separated milk 903 (perfection being again represented by 1000); corn meal and separated milk 877; corn and bean meal 590; barley meal alone 519; corn and pea meal 486; corn meal alone 484; barley meal and bran 449; and corn meal and bran 404.

EXPERIMENTS AT OTTAWA.—The Central Experimental Farm, Ottawa, recently held a three-months' test of various feeds given to swine that were purchased for the occasion. The pigs were part Tamworth and part Berkshire. Nothing was known of the kind of feed given them before the test. The pigs numbered 44 and were divided into 11 lots of 4 apiece. Lot No. 1 received whole corn dry; lot 2, ground corn soaked for 30 hours; lot 3, the same with the addition of milk; lot 4, half whole corn, the balance equal parts of oats, peas, and barley whole and dry; lot 5, the same grains but ground and soaked; lot 6, the same as lot 5 with milk added; lot 7, whole oats, peas and barley in equal parts fed dry; lot 8, oats, peas and barley in equal parts by weight, ground and soaked for 30 hours; lot 9, the same with milk added; lot 10, half bran, the remainder equal parts of oats, barley and peas ground and soaked; lot 11, 1-5 clover, 4-5 peas, barley, oats and bran ground and soaked, the clover being soaked with the grain.

The pigs were shipped to the Wm. Davies Co., Toronto, and on their arrival alive were graded as follows: Lot 1, one light, one small and two straights; lot 2, three straights, one fat; lot 3, four fats; lot 4, three straights, one fat; lot 5, one straight, three fats; lot 6, three fats, one straight; lot 7, three straights, one fat; lot 8, three fats, one straight; lot 9, two fats, two straights; lot 10, one light, three fats; lot 11, two fats, two light small.

After the pigs were slaughtered Mr. Flavelle graded the carcasses thus, as regards fatness of the backs: All of lot 1 were of No. 1 quality; of lot 2, two reached No. 1 grade and two No. 2; all of lot 3 were classed as No. 2; lot 4 were equally divided between No. 1 and No. 2; three of lot 5 got no higher than No. 2, the fourth being No. 1; two of lot 6 were in the highest class and two in No. 2; all lot 7 were of first quality; only one of lot 8 was good enough for No. 1, the other three being seconds; lot 9 was equally divided between the two grades, but three of the pigs in lot 10 were only of second quality, the other coming in No. 1; all four in lot 11 were classed as No. 1. The prices that pigs would fetch were: Straights, \$4.62½ per cwt.; fats, \$3.75 and lights \$4.25.

A noticeable feature in this test was that the feeding of corn, except when milk was added to it, gave fairly satisfactory results all through. The best lots were Nos. 2, 4 and 7.

What part of a fish weighs most? The scales.

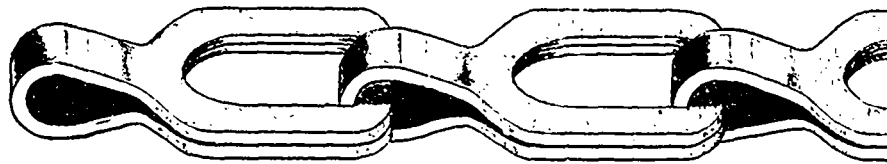
Farmers' National Congress.

The nineteenth annual session of this organization will be held in Boston, Mass., on Oct. 3-10 next. Among the speakers advertised are Prof. Robertson, Ottawa, who will address the meeting on "The Canadian Department of Agriculture," and Mr. C. C. James, Deputy Minister of Agriculture, Toronto, who will speak upon "Teaching of the Elements of Agriculture in the Common School." In addition to these two well known Canadians, addresses will be given by a number of American agriculturists. Ex-Gov. Hoard, of Wisconsin, is President of the Congress.

An English Method of Feeding Chickens.

After the first day, feed every two or three hours for the first week, gradually lessening the number of meals a day to three by the time the chicks are a month old. The first and last meals should be given as early and as late as possible in winter, it being necessary to

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These facts are well shown on a cow tie recently brought us for repairs. It was an ordinary No. 00 three-chain tie. One chain was wire, the other two American. One of the wire links was worn entirely through. The others were nearly as bad—a strong pull would have broken almost any of them. With the American chains, on the other hand, the wear was very slight, and hardly noticeable—three times this amount would not have weakened the chains seriously.

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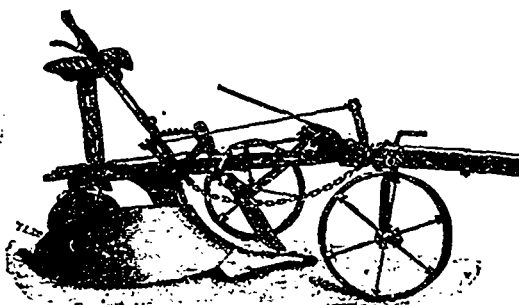
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