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It is but fair to state, in connection with this section, that Prof. Day, before deciding the award of the first prize, submitted the question to the two judges, who were packers, whether Brethour's pigs were too heavy for bacon pigs, and received the reply that they were not.

The Smithfield Fat Stock Show.

The 101st annual show of the Smithfield Club, held in London, England, last month, was, as usual, full of interest to stockmen. The single judge system was for the first time adopted at these shows, and proved generally satisfactory, and the work was expeditiously done. The championship in the beef cattle classes, open to all breeds, went to a 2-year-old Hereford steer, illustrated in this issue, bred and exhibited by Her Majesty the Queen. He also won the championship plate, as well as Her Majesty's Challenge Cup for the best beast bred by the exhibitor. His live weight was 1,936 lbs., and he was admitted to have been one of the very best bullocks shown in recent years. The Shorthorns had not for once a very formidable candidate for the grand sweepstakes, but Mr. Bruce's 2-year-old white steer, Kelem-anjaro, from the Inverquhomery herd in Scotland, the champion of the breed, though lacking in his under line, is said to have had a perfect top and superb breed character, and adding to this his great weight, 2,018 lbs., it will be seen he was no mean rival. He was sired by Waverly, and out of a Rosebud cow by Royal Robin. The first-prize heifer under 3 years, Mr. Learner's Patience, weighing 1,917 lbs., was bred by Mr. John Ross, and sired by Champion.

In the Aberdeen-Angus class the heifers seem to have been much better than the steers, and the championship went to the Earl of Strathmore's Victoria of Glamis, weighing 1,840 lbs. at less than three years, her general symmetry, wealth and style being very marked.

In the Galloway class a popular champion winner was Mr. Biggar's 2-year-old steer, Substance, weighing 1,900 lbs., which, but for a little plainness in his forelegs, it is said would have been well in the running for the grand championship. He was a massive, thick-fleshed steer of fine character. The first-prize yearling steer, shown by Mr. Murray Stewart, was big, and as good as big. The same exhibitor had the first-prize heifer, Annie 3rd of Cally, a short-legged, wide heifer of beautiful quality. The cross-bred cattle were an extraordinary collection, and elicited great admiration. The champion of this class was Mr. Learner's big-quartered, wide, massive, beautifully-balanced 2-year-old heifer, Let 'Em All Come, who also won the £50 prize for the best female in the whole show, and she was reserve number to the Queen's Hereford steer in the competition for best animal, any age or sex, in the show. She weighed 1,845 lbs., and was bred by Mr. John Ross, Meikle Tarrell, Scotland.

We subjoin a table, showing the greatest daily gains in weight made by prizewinning beasts of the various breeds:

	Age in days.	Weight in lbs.	Daily gain.
Devon	523	1,188	2.23
Hereford	686	1,653	2.41
Shorthorn	536	1,340	2.50
Sussex	714	1,544	2.16
Red Polled	636	1,650	2.42
Aberdeen-Angus	599	1,309	2.18
Galloway	726	1,390	1.91
Welsh	724	1,715	2.41
Dexter	694	857	1.24

SHEEP.

Although not quite so numerous as at the Centenary Show last year, the display of sheep was an over-average one for most breeds, the most notable exceptions being the Border Leicester, Cotswold, Lincoln, Devon, and Oxfordshire. Moreover, only three pens of Shropshires had been entered in the yearling wether class. The awards under the single judging system appear to have been tolerably satisfactory. The prizes were as usual for pens of 3 lambs and pens of 3 yearling wethers.

Leicesters.—Mr. E. F. Jordan and Mrs. S. Perry-Herrick had a couple of pens each in either class; the leading premiums in both going to the former; but the two lamb pens of the latter were both noticed, while Mrs. Herrick's two wether pens received third prize and reserve.

Border Leicesters were only represented by a single pen in either class, the lambs from the flock of the Earl of Rosebery, and the wethers from that of Mr. J. Douglas Fletcher. The lambs scaled 4 cwt. 14 lbs., which was rather more than either of the Leicester pens weighed. The wethers were not up to the weight of either of the Leicester pens.

Cotswolds were represented by three pens of lambs and one of wethers. Mr. Wm. Thomas' lambs were well-greased, fine specimens, two of them especially. They were 18 lbs. over 5 cwt., but Mr. F. Craddock's second-prize pen scaled 4 lbs. more, or 193 lbs. each. Mr. Craddock's lambs were younger than Mr. Thomas', the age of the second pen being returned as eight months three weeks, but that of the first pen, which also took the breed cup, was ten months. Mr. Craddock had no competitor in the wether class, but his sheep were noble-looking, grand specimens.

Lincolns, although not so numerous as sometimes, were of a high order of merit, both in the lamb and wether classes. Mr. Henry Dudding's first-prize lambs, which also won the breed cup, scaled at nine months three weeks old 5 cwt. 2 qrs. 7 lbs., his reserve pen being 17 lbs. over 5 cwt., but

Mr. John Pear's second-prize pen was the heaviest their live weight being 5 cwt. 2 qrs. 14 lbs., or 210 lbs. each. Mr. Dudding had the first-prize pen of yearling wethers, and Mr. Pear the second-prize pen. The whole of these gave remarkable weights, the second-prize pen pulling down the scales at 9 cwt. 10 lbs., or 340 lbs. each.

The championship for the best pen of three long-wool sheep went to a pen of mountain sheep, and the reserve number to Mr. Dudding's first-prize pen of Lincoln lambs, which showed a daily gain from birth of 11.24 ounces, while the first-prize pen showed a daily gain of 5.77 oz. It was evidently the actual market value of the carcass that carried the award, and not early maturity.

Southdowns made the largest and best exhibit of any in the sheep classes. The lamb class, which numbered 21 entries, had 19 pens of three present. The daily gain averaged 7.80 oz. The first-prize pen was from the flock of Mrs. Montefiore, and averaged 8.49 oz. Next came two pens of Mr. Adeane's, both of excellent merit, the daily gain of one pen being 8.70 oz. The prizes for yearling wethers went: first to H. R. H. the Prince of Wales, second to J. Coleman, third to Duke of Richmond.

Hampshires were well represented, and the first and second prizes for lambs went to T. F. Buxton, and third to Earl of Carnarvon. The daily gain of the first-prize pen was 10.91 oz. Mr. Buxton won also first and third for yearling wethers, and Lord Rothschild second.

Suffolks made a grand showing, ten pens of lambs being shown, and the first-prize pen of Herbert E. Smith weighed 5 cwt. 2 qrs. 18 lbs.—211 lbs. each. The Earl of Ellesmere's wethers won first and second, and the first-prize pen of these won the chiefest honors of the whole sheep classes, the Prince of Wales' 100-guinea challenge cup for the best pen of sheep in the show.

Shropshires were sparsely represented, which can only be accounted for by the great demand for stock purposes, which precludes the castration of good lambs, but the quality was good. There were three entries of lambs, the first place being given to the entry of Lady de Rothschild, and second and reserve to those of Mr. Philo L. Mills. The first-prize pen weighed 4 cwt. 1 qr. 10 lbs., and the second-prize pen 3 cwt. 3 qrs. 2 lbs. There were but three entries of wethers, and in this class Mr. Mills scored first and second, and Mr. R. P. Cooper third. The weight of the first-prize pen was 6 cwt. 3 qrs. 2 lbs. The breed cup went to Mr. Mills' yearling wethers, which were of grand quality.

Oxford Downs had also a short entry, the only exhibitors of lambs being Mr. Stillgoe and Mr. J. G. Williams, the entry of the former exhibitor winning first honors and the breed cup. Their age was entered as 10 months, and their weight was 5 cwt. 1 qr. 22 lbs., or 203 lbs. each. Two pens of wethers were shown by Miss Alice de Rothschild, who received the prizes, and whose sheep are said to have been an excellent type.

Dorset Horns.—Mr. W. J. Horne won with lambs of fine quality, weighing 5 cwt. 2 qrs. 5 lbs., and Mr. John Hayman was second with a pen weighing 5 cwt. 24 lbs. Mr. Horne had also the first-prize wethers, of fine character and well fleshed.

THE SHORT-WOOL CHAMPIONSHIP.

The competitors for this honor were Southdowns, Hampshire Downs, Suffolks, Shropshires, Oxford Downs, Dorset Horns, and cross-bred sheep. These breed cup winning pens, drawn out for this competition, made a grand collection, and, contrary to many ideas expressed at the ringside, the contest soon narrowed itself down to the pens which represented the Suffolk, Southdown, and Hampshire Down breeds. The Hampshire Down pen, with their grand backs and legs, with good top and under line, coupled with their large average daily gain of 10.91 oz., were very strong favorites, and comparing the average daily gain shown by the Suffolk wethers, of 7.07 oz., and that of the Southdown wethers, 4.70 oz., some thought, seeing that they were most excellent and typical specimens of their breed, they might have secured the award. True, they were not quite so evenly matched as a pen as the Suffolks were, but their early maturity and grand legs, with first-class backs, might have carried them to the top; such, however, was not the opinion of the judge, who preferred the older sheep, and selected Lord Ellesmere's Suffolks for the championship, and this, from a breed point of view, is undoubtedly a splendid pen of sheep, excellent in flesh, with grand backs, loins, and quarters, and well sprung over the ribs; but they have not that development in respect to the leg which was so pronounced in the Hampshire Down pen. Then, in regard to the R.N., the Southdown wethers from Sandringham were preferred to the Hampshire Down lambs; the latter were much admired for breed type, early maturity, conformation, development, and quality of flesh.

We append a table showing the best performances in respect to daily gain in weight of the different breeds:

	Age in days.	Weight in lbs.	Daily gain.
Leicester	243	148	0.61
Border Leicester	256	154	0.60
Cotswold	264	191	0.73
Lincoln	288	210	0.73
Devon Long-wool	274	213	0.73
Cheviot	277	155	0.68
Southdown	274	146	0.53
Hampshire	313	219	0.70
Suffolk	281	211	0.75
Shropshire	274	162	0.59
Oxford Down	327	203	0.62
Dorset	335	207	0.62

PIGS.

Large Whites, or, as Canadian breeders term them, Improved Yorkshires, supplied one of the best pairs of pure-bred pigs in the show. These were two young sows of 8½ months old, bred and exhibited by Mr. Sanders Spencer, Holywell Manor, St. Ives. This pair of pigs won the breed cup in the section. Mr. A. Hiscock's (Jr.) pigs came next to Mr. Spencer's, then the Earl of Rosebery.

The Berkshire classes for pairs were, as usual, well filled, fifteen pens being in the junior class and eleven in the other. Mr. Joseph Saunders was first in the former, his pair showing very nice character and rich flesh. Mr. N. Benjafield came next with a pair of admirable type in nice heads, hair and form. The pair of Mr. McCalmont, M. P., were also shapely and of nice type, and the reserve pen of H. R. H. the Duke of York, by Gold Medalist from Juliana, seemed likewise very deserving. Mr. Arthur Hiscock's pair, by Julius Caesar, did not quite match, or they would probably have had higher position, both being remarkably good. In the senior class, Mr. N. Benjafield was first with a very uniform pair, carrying admirable tops and of the right type.

The high merit of the single Berkshires has already been mentioned, and the Earl of Carnarvon might feel proud of the distinction of being foremost in the admirable array, which was with a pig having a grand middle and excellent quality. Mr. J. A. Fricker won second prize with a fine, deep animal, very fat, but of high quality. Mr. N. Benjafield got third prize with a lengthy one, carrying a very good top, while Mr. T. P. Willis and Mr. A. Hiscock were H.C., and the exhibit of the former reserve, with full-shaped, good baconers.

Tamworths were few, but of nice color and quality, but the pigs were deficient in length, and very light in the middle. Mr. R. Ibbotson, Mrs. E. Ibbotson, and Mr. Cy. Taylor won the prizes, the first named winning the breed cup.

Cross-breeds were many and various, some of the best pigs in the show being in this class, most of them being crosses of the Large or Middle White and the Berkshire breeds. The best pair in the other class were of the Large White and Berkshire cross, and were declared to be the best pen of fat pigs in the show. Preference was given to Mr. Hiscock's older pen for the breed cup, and this pen was the one which carried off the champion plate as well as the Duke of York's challenge cup for the best pen of two pigs exhibited. In the junior class Mr. Geo. Atkins was placed second to Mr. Hiscock, his cross being precisely similar, but, singular to state, one of the pigs came out dark colored and the other white. Mr. G. T. Tomkins' third-prize young pair were by a Berkshire boar from a cross-bred sow. They, too, seemed of good quality; the reserve pen of Mr. Chissell being small, full-shaped Whites. Mr. Alfred Brown was second in the class for senior pairs with deep, massive specimens of the Yorkshire-Berkshire cross, Mr. George Atkins' third-prize-takers of a similar cross running them very close, while Mr. N. Benjafield's pair from a Berkshire sow by a Black breed boar would probably have been higher than reserve, if one of them had been as good as the other.

THE CARCASS COMPETITION.

The animals entered for the dressed carcass competition were not eligible to show in the classes for live animals, as they were to be killed on the night of the first day of the show, and were only on exhibition alive on that day.

The first prize and junior championship in the cattle carcass competition for steers not over 2 years went to Mr. J. D. Fletcher's cross-bred steer, got by an Aberdeen-Angus bull, and from a Hereford cow, weighing alive and fasted, 1,358 lbs., and his carcass weight 870 lbs., being 65 per cent. of the live weight. The senior championship and first prize for steer over 2 and under 3 years was won by Her Majesty the Queen's Aberdeen-Angus entry, weighing fasted 1,308 lbs., and dressed 804, or 60.7 per cent. Mr. Nimmo's Galloway was the second-prize winner, weighing alive 1,690 lbs., and dressed 1,155 lbs., or 68.75 per cent.

With regard to the sheep carcasses, the usual complaint was that they carried too much fat. In Long-wool wether lambs the first prize was given to a Mountain lamb, weighing alive 106 lbs., and dressed 71 lbs. The second-prize lamb was a Cheviot, which weighed alive 100 lbs., and dressed 62 lbs. Mr. Dudding's Lincoln lamb weighed alive 145 lbs., and dressed 86 lbs., or 59 per cent; the excess of shrinkage in this case being principally in the skin, which, with its wealth of wool, weighed just twice as much as that of the second-prize winner.

In Long-wooled yearling wethers, the first and champion winner was a Mountain sheep, whose live weight was 158 lbs., and dressed weight 104 lbs. The second-prize winner was a Cheviot weighing 182 lbs. alive, and 123 lbs. dressed.

In Short-wooled wether lambs, the first prize went to Mr. Buxton's Hampshire lamb, weighing 148 lbs. alive, and dressing 95 lbs. The second-prize winner was S. R. Sherwood's Suffolk, which weighed alive 145 lbs., and dressed 95 lbs.

In Short-wooled yearling wethers the first prize and championship of the class was won by Mr. Baxendale's Hampshire, with a live weight of 198 lbs. and a dressed weight of 126 lbs. The second place was given to a cross-bred wether, weighing 148 lbs., and dressing 97 lbs.

The cwt. and qr. used throughout this report represent 112 and 28 pounds, respectively.