CROSSBRED MUTTON.

Australian Experience in Crossing Merino with a Mutton Type.

Some Australian breeders began experiments at crossing Merino ewes with rams of the British types, with the view to determine how far efforts at meeting the demand for crossbred mutton might be safely and profitably adhered to. The results of these experiments seem already to at some length to the latest annual report of the chief inspector of stock for New South Wales, who has evinced a deep interest in the foreign meat trade of that colony since its inception.

A feature of this report that will have peculiar interest for breeders in this country is its reference to the comparative results from a series of crosses upon Merino ewes by rams of different British types. Of course these are by no means conclusive, liqually certain it is that the correctness of results arrived at will be challenged by the admirers of the different breeds mentioned.

At the same time an interesting line of inquiry is opened up by the suggestion: Why is it that in a series of experiments with both sullers and ewes, separately conducted, the animals at 18, 24 and 30 months old, the south should invariably show in favor of the Lincoln breed? Crosses giving next best results follow in the order Border Leicester, Romney Marsh, Hampshire, Leicester, Southdown, Cotswold, Shropshire. The differences between the best of these were not very great, but in all of them the Merino-Lincoln ewes showed to the less value of wool and mutton considered.

This no more determines the relative value of various breeds for crosses on Merino ewes in this country than the presence of one shadow will prove that spring has come, but if the results as recorded will serve to stimulate the managers of experiment stations to take up and follow the line indicated much will be done to the advantage of ascertaining more general recognition of the merits of all breeds in their purity as well as their value for advancing the standard of the many millions of sheep now handled without adequate profit to owners and with too little benefit to the country.—Breeder's Gazette.

Cattle on Shipboard.

It is rough business at best, shipping live beef cattle across the ocean. Blooded animals imported and exported for stock purposes are carefully protected from the lurching of the ship by heavily padded stalls and boxes. As much is done for their comfort as if they were first class passengers on an ocean greyhound.

Not so the beef cattle that go from America to Europe. They may be called the steerage passengers of the live stock business.

A long line of wooden dwelling is built on the steamer's deck for the common beef steers. The sheds are made strong, so that except in case of a great storm they will not be washed away by

CATTLE ON SHIPBOARD.

the waves. Instances have occurred, however, in which the wooden stalls have been broken from their fastenings by the force of the waves, and stalls, steers and all swept overboard.

The cattle can stand upright or lie down at will in the shed. Straw is packed about them. This they eat, and it also protects them to some measure from the heaving of the ship. But it does not protect them altogether, and no cattle ship ever arrives at port without a considerable percentage of loss from the crushed ribs and broken legs of the steers that have been hurled against the sheds with violence. Those of course could be thrown overboard, and are a loss to the insurance companies which take risks on this kind of freight. Free passage to Europe is given to men who are willing to go along and do the work of feeding the cattle. A young divinity student lately made a trip to Europe in this way.

Less disastrous losses and heretofore attend the cattle shipments than was the case before dehorning was so generally practiced. The wrecked animals used to gore one another so frightfully that death frequently resulted. The intention of the cattle shipping companies are good, and there are good reasons for the comfort of the steers, but when they reach the other side—that is, to say the other side of the ocean—they are too often so thin and in such bad condition that they are sold for less than cost and are slaughtered immediately. The best are purchased by British butchers to be sold again in the market.

A Jersey Bull Calf in Tennessee.

He is a mulberry in hue. He can drink more milk than two bullies and is about as valable as a second-hand collar. He grows a little too large to fry and yet not large enough to broil, and he is ready for a battle with anybody that goes in half. Instead of being one or anything else the day he first measured he can pitch in with any bull-dogging investigated. There is not a bull in the country that will hook him, and not a bullwood wet. It is the ambitious ecstasy to the chosen heard of "lone young steers," that is reserved for his descending last.—Gallatin Herald.

The Walking Season.

The woodie time is over and the walking season is on. It is the season when the town women feels as if he might to have two vacations, one in the fall weather and the other in October, to enjoy a glorious tramp through the open country. The latter begin to turn brown, red and gold, the last products of garden, farm, orchard and dairy are at their best and most abundant. It is neither too hot nor too cold, but just right. He is the individual who can get off for a fortnight or a month's tramp is to be envied. A week is much, and every a day unless a rally picnic in one's life. Do if you can. The autumn walking party is even more delightful.

Being together a few people who are as one in interests and taste. A social affair of men and women both is pleasant, but does seem to cement ties will enjoy the pedestrian trip. Even one person can have a thoroughly "good time" all by himself, but it seems to more enjoyable. If the trip is only for one day, select some object of natural or historic interest five or ten miles away. Start early, while the sun is in the air, and make the spot by noon. Have dinner and return, after for the strong ones, by rail or carriage for the feebler. If you can have the luxury of two days or more, take an hour so that you cannot carry in your head, only the smallest article, and do not hurry. Stop, or even sojourn, wherever Bluebirds know when he has the air and sun. If you are unused to walking, have some practice several days or a week before you start. Take a map of the country folded into a small book form if you are unfamiliar with your route. Then you will know that when a friend informs you he is yonder is three miles away in really means are and a half, and may thus be kept from being disappointed.

Take no thought for the morrow. Country hotels and the spare bedroom of a farm farmhouse will shelter you for the night. Your meals, the fat of the land, will pay cost you much. You will get your money's worth and three over as the health you will gain, the fun you will have, some of your experiences will give you a laugh ten years after. Finally, before you start out, to the words of an authority on the subject, "Put your coins and put on your old clothes."

A Chicago Social Settlement.

Four years ago in Highgate some college-bred women established Hull house settlement in the heart of the poorest, most vicious and crowded locality of Chicago. Between chip-carts and stockyards the residents of the ward from people of every race and condition and tongue. There are about Italians in the district and be many Bohemians that Chicago ranks as the third largest Bohemian city in the world. It contains Bohemian hotels in some streets. Here the villainous scoundrel making a harvest out their work done by the Bibles of the Bible, in cellars, basements and garrets, amid disease and filthiness that seems the sole aim slept to think of it.

There is in the ward in which Hull house is situated one saloon to every twenty-eight voters. There were 4,874 school children, with public school accommodation for only 2,954. The poor people who dwell there did not know enough to make their educational wants known to the school board, and when the chance of a ward dinner made a few about their state needs nobody else will supply them with meals. That is one of the things that American citizens know which poor foreign citizens do not.

Hull house has succeeded in teaching the poor people their civic rights to some extent, so that now the board of education is energetically making provisions for the young Americans who were growing up in ignorance and crime. Other things, too, that Hull house has accomplished are related by Miss Jane Addams in The Forum. To read the story impresses one powerfully that here is the true road to the millennium. Hull house was established purely and simply to practically carry out the doctrine of the American republic that all men are equal, and that larger, sweeter, nobler life—that all mankind are brothers. This is to be taken literally and truly. There is no detectable sign of charity about the thing.

Miss Addams calls it "an effort to work out a democracy." The population was cold towards the idea that it is a philanthropy to the ordinary sense. A number of women, despite women in their audience in the poorest, lowest part of a city. They assume no airs of superiority or patronage. They take their refined surroundings and dainty housekeeping with them. Therefore establish a social center for all the people of the neighborhood. Every week of Hull house notice that will give it help or lift it higher an attempt is made to meet. A gymnasium, musical training classes, classes in literary and scientific study, musical clubs, dressing societies, cooking and housekeeping classes are among some of the lines that have taken practical shape.

There are social evenings as well, and these are as much in the desert to honest and hard-working Englishmen who live in the midst of squalor and dirt.

A study effort has been made to teach on the part of Hull house people of better housekeeping and on the other a knowledge of the citizen's rights and duties. Once the poor immigrant is entire has this knowledge Hull House, he will be as good a citizen as the millionaire.

An important feature of Hull house is a social science club, in which the wildest assertions come and upon alone the working capitalist, who in some cases has been induced to be present and state his side of the case. It need necessarily follow that the prejudices of both are modified, and both come nearer to that fair chance toward life in the western human rules—secure both sides of a question. Miss Addams is free to say that in her judgment, if the great majority of the anarchists had been allowed to vent itself then have been in all, the lamentable Haymarket tragedy would have been averted.

Finally the writer thinks that the residents at Hull house learn quite as much from the people about them as the people do from them. No doubt the day. Here stretches out a glorious field for strong, kindly souls that are longing for a mission.

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