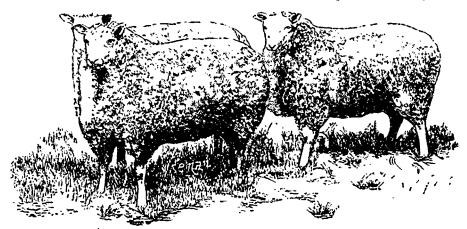
quite as much to be avoided as are good pedigrees to be the beasts could consume, and the other lot 28lb. per day desired. A good pedigree has often been defined by the each of silage, made partly from clover and rye grass, and writer hereof as one which commences with a good animal partly from the product of "a leafield hand" (1)—whatever and runs back through an ancestry all distinguished for that may mean. Both lots received 41lb. per head daily of unusual excellence for many generations, and the longer such mixed linseed and cotton cake. At the end of a month it pedigree is the better. It is important to know that the male was found that the siluge-fed animals had increased in live should himself be a good one, it is important to know that had increased only 18lb. per head. As this extraordinary his two parents, and four grandparents, and eight great- difference was attributed to a change of diet the result was grandparents were also distinguished for excellence in the points that it is desired especially to have transmitted. A have commenced after the second welghing. Four weeks later pedigree, to be of any particular value, must be something more than a mere string of names. Instead of accepting the while the other lot had lost 2 2-3lb. each. At the end of fashious that titled aristocracy may have set for us, it is another four weeks the eathle fed on turnips had done better, vastly more important to ask: Do his steers make more and leaving gained 53 2-3lb. each, against 42 1-5lb. per head increase in the case of their rights. Both lets were then

which is to be placed at the head of a stud, herd or flock weight 48lb. per head on an average, while the turnip-fed lot better beef from the same food than ours? What is the increase in the case of their rivals. Both lots were then butter record of his cows? Have his horses proved them-turned out to grass, and the important part of the experiment selves winners? Are his sheep more famous for wool or for came to an end. When the beasts were killed it was found mutton than ours? Are his pigs hardier, and do they produce sweeter hams and better bacon than ours from the same age, 2st. 11lb. each heavier in carcase than the others, and food? It is by such practical questions as these that we should dressed 71 34 per cent. of their weight at the commencement try pedigrees, and we should be infinitely more concerned to of the experiment, against 67.54 per cent. for the turnip-fed know whether the immediate ancestors of an animal have lot. There is one point of similar y to be noticed between



No. 9. -Mr. George Turner's shearling Leicester rams.

been distinguished for especial excellence, than to know that the results in Scotland and those at Woburn. In both cases the line of descent is straight from Booth or from Bates, or silage, after a time, appears to have cloyed on the appetite or any other noted breeder of former years. The very ma. row | to have injured the digestion of the cattle, as they did worse of pedigree consists in the qualities of the ancestry all along on it the longer they were kept on it. This is a point that the line. If selecting stock from which to breed trotting should be further investigated. horses, look at the records of the winners on the trotting turf. and judge of the merits of the ancestry accordingly. If for the dairy, search for the butter or milk records of the ancestry. This is the essence of pedigree as applied to stock-breeding. - The Breeder's Gazette.

ENSILAGE.

Woburn, so unfavourable to ensilage, is to be found in the phosphoric acid and potash—are needed, say on common New new volume of the Highland and Agricultural Society's England light soils, (1) for a full potato crop, and (2) for a "Transactions" The Ensilege Committee of the Society corn crop—nor what difference you would make (3) for a cornselected twelve head of cattle for experiment, dividing them fodder crop. (4) Please give the quantities required in as equally as possible into two lots. The whole of the pounds, as we don't all know how much a barrel contains. animals were at first fed on silage, a very sensible precaution, Please state also what quantities should be used (5) for a as it familiarised them with a food that would otherwise have been strange, and possibly at first distasteful to them. After been strange, and possibly at first distasticul to them. After

[1] "A leafield hained" means a grass-field that has been pastured, two lots had been divided, one lot received a daily allowance of and afterwards been kept free from cattle until the herbage has grown 30lbs. of Aberdeen yellow turnips and as much out straw as again.

SOME "SARCHIN" QUESTIONS.

The following letter is from one of the most thoroughly scientific farmers of our neighboring province:

Mr. Editor: - I have been following, with what attention I could, apart from my official duties, your valuable articles on artificial or commercial fertilizers. It strikes me you A set-off to the results of the cattle feeding experiments at have not stated exactly how much of the elements—nitrogen, The Ensiloge Committee of the Society corn crop—nor what difference you would make 131 for a corn-

AR J.F.