horse, the sheep the hog, the dog, and the with the fleshy fibre, forms food.

- mals.
- tion of offspring.
- 4. Select the very best males; for the produce inherit much more of the qualities of the male, whether good or bad, than they do from the female:

original breed.

from their birth to maturity.

health, and prevent their getting too fat.

ated during the period of its growth.

AGRICULTURAL EDUCATION. Amherst, March 18, 1854.

5. In crossing, the true system is to take that there are difficulties in the way of Agri-such men as Johnston, Low, Bhande and one cross, and then return and adhere to the cultural Education in Great Britain which others. These men have popularized scence do not exist among us. A school there -have brought it to the farmers's home-It is a common practice, in the rearing of must be either for the higher, the middle, or made it available to practical men. Their blood-stock intended for exhibition, to place the lower class. With existing notions, it lectures have been adapted to the wants of the young animals, shortly after they are cannot be for all. The college at Circences sound, sensible, but not technically educated weaned, in a narrow stall, or box and to ter, I believe, has become essentially a school men. In the same plain, unostentatious feed them with milk and meal-sometimes for the rich. There are in England and dress, they have in several instances been sugar and molasses are added-and after-Scotland other schools, some more adapted printed; and have found a place by the farwards with grass, hay, carrots, &c.; the to the wants of the middle class; others to mer's fireside. Home education for the farm animals look fat and plump, and their owner those of the poor. Some are supported has been the consequence. The farmer and is satisfied. Now, the effect of this is with-almost wholly by enacity. Model farms are his wife, his sons and his daughters, have out doubt to lessen the size of the lungs and connected with some of these, in order to been aided in their efforts at self education, other organs concerned in nutrition, and pro-fillustrate practically the labors of the field, amid the practical applications of what they dure a breed that will carry an immense mass of the stall, and of the dairy. Connected learn, to the daily employements of the farm, of fat, come quickly to maturity, and also, with the University at Edinburgh is an agri-the garden and the dairy. I am in favour of when they breed, produce the same qualities cultural professorship, filled by a very distin-agricultural schools. A I believ that the printheir offspring.

guished man, Mr. Low, who has done much ciples of agriculture ought to be taught lay breeding from animals having a great for the cause of agriculture in Scotland, and in our common schools even; and I could tendency to latten, or from those kept con- who enjoys in a high degree the confidence of wish that every college in our country had stantly fat, function must react on organiza- Scottish farmers. Professor Low has estabtion, and at last these qualities become not lished, in rooms devoted to that purpose in that the sons of farmers should have opporonly increased, but fixed, in the race. By the university buildings, an extensive museum tunity for receiving instruction in those functions reacting on organization, is meant, of agriculture, made up of numerous speci-sciences, which throw light on their employwhen an organ—the lungs for instance—be-mens of agricultural productions, together ment, without going very fair from home, or comes diseased in consequence of not per-with models of improved implements, and a being absent, from the duties of the farm too forming their natural functions, the diminish-large collection of paintings of fine animals, long at one time; but after all I have not ed structure is likely to be reproduced in the as horses, neat cattle, sheep and swine, so one doubt that lectures, carried to the homes progery of an animal so affected; hence the arranged as to exhibit the peculiar qualities of the people, adapted to aid home educa-The great secret of rearing ani- of each breed and the points of excellence tion, not on the details of farming alone; mals for profit, is to obtain the fat kind, and in each individual. For the kindness of which, the farmer would be likely to undersupply them with all the food they desire, Prof. Low in exhibiting to me his modes and stand quite as well as the lecturer, but on means of instruction, as well as for other acts the various sciences connected with farming, But, however, desirable these qualities may of politeness and hospitality, I connot but to be illustrated by suitable experiments and be in animals intended for the butcher, others here record my grateful recollections. Witt diagrams, might be made a most economical of an opposite character must be attended the exception of the great museum of the and efficient means of diffusing agricultural to it these are, weight of muscle, constitution, Highland Agricultural Society at Edinburgh, education, beneficial alike to the present and and capabilities of propagating their species ; I found nothing in Scotland better worth the rising generation of farmers. to produce all which, quite a different sys-visiting, and studying intently, than this ti is a singular fact; that Ireland, so determines be adopted. The proper develop-museum of his.

alth, and prevent their getting too fat. few; hours there without coming away the acres; 2nd, in connection with the national By merely feeding an adult animal, we wiser for it. So of the Botanic Gardens schools; 3rd, agricultural schools supporhave not the power of increasing its muscu- and the vast collections of things amusing ted by private associations. I shall speak lar substance, but we have great power overland useful on the old palace grounds and here only of those connected with the national

extending to all domesticated animals, the the increase of fatty matter, which, along Kew, near London, the birthplace, if I am not mistaken, of our last king, George III. Daily experience fully proves the folly and It would be impossible for any farmer to In breeding, always observe the following impolicy of neglecting young stock of any spend a day in these gardens, without bringing kind; but especially is such neglect injurious away some practically useful knowledge per-1. Breeding from sound and healthy anti-in the case of those animals whose value latining to his profession. Such collections als. 2. Breed from the most perect in form, tution, which are mainly promoted by a care-species of wood, polished and rough, of insects and take a special care that a tendency to the ful provision shelter, and a liberal supply of luuriful to vegetation, of almost every thing; same defect does not exist in both parents. | food during the first two years; as nearly the which the farmer would like to understand, 3. Breed animals of a distinct and posi-whole of the fleshy parts (muscle) of an as exhibited here and in other parts of the tive character, to insure a certain descrip- animal, which afford most prolit, are assimil- kingdom, cannot have failed to contribute to the present, advanced state of British agriculture. But of all the means which have brought about so desirable a result, anone I believe, have been so efficient, in proportion From what I have said, it will appear to the expense involved, as the lectures of

ment and growth of muscles depend in a great Of the Highland Agricultural Museum, and so poorly educated, should be doing more measure upon the use that is made of them at Edinburgh, I will only say, that it would to advance agricultural education in that as a set of muscles in active exercise in seem as if wealth industry and good taste had country promises well for unhappy Treland. crease in size and vigor, while those that are there brought together and arranged in the Provisions for agricultural instruction exist but little used, lose their firmness and dimi-best possible manner, every thing that could under three forms:—Ist, that of porfessornish in bulk. Cattle require not such exer-throw light on the farmer's path. The Mu-ships connected with the colleges, as at Cork cise as would harden the muscular fibre, but seum of Economic Geology at London, is well and at Belfast, at the former of which is a just so much as would tend to keep them in worth visiting. One could hardly spend a model and experimental farm of nearly 200