Thirty-four head of sheep, consisting of 22 Leicester rams, and 10 ewes of the same breed, all from some of the principal breeders in Yorkshire; and two Southdown ewes from Mr. McConnell, Dumfrieshire, bred from the Duke of Richmond's stock.

Of pigs, two sows and one boar of the Yorkshire breed, about six months old.

Poultry, about a dozen of the best Dorking and Black Spanish fowls.

Adulteration of Manures in France.

The adulteration of artifical manures and guano has attracted the attention of the French government through the efforts of M. Adolphe Bobierre, who has been appointed chemical analyzer of manures for the department of the Loire Inferieure, an institution established by the government. The gentleman has addressed adetailed report, in the highest degree interestiz, to agricultural science and to the body of cultivators. He was the first to call the attenion of the authorities to the flagrant frauds perpetrated in the manufacture of manures, and to the numberless deceptions to which the tade gave rise. In consequence of his repreentations, the administration. in order to protet the ignorant and credulous husbandman, founded the institution alluded to, and justly apinted M. Bobierre the first analytical chemist; ud the report that distinguished savan has .nwn up fully justifies the selection. In it he has id bare the fraudulent tricks of the manufacsters to deceive both the analytical chemists ad the agriculturists. For instance, in the nicle of animal charcoal, they profess to sell 1 as containing 40 per cent. of phosphate of me. They send the article weighed, in a dry tate, to the chemist, who accordingly finds it ontains the alleged proportion. But with the ay material the merchant mixes water, accordby to the tenderness of his conscience, and Len sells it by the hectolitre (or measure,) inad of the kilogram (or weight); and thus he buyer and the chemist are both mystified -yond any redemption. But, in order more fectually to conceal the fraud, light, spongy ubstances, such as carbonized peat and other milar substances, are mixed with the animal lack, and absorb the water, making it impos-Me, without another analysis, to detect the and, which, as shown by M. Bobierre, reduces be proportion of phosphate of lime to 19 per at, instead of 40. We trust this report will - translated into English, and circulated mugh the agricultural journals, amongst the -wers, who cannot he too much instructed as the set of harpies by whom they are assailed, the shape of artificial manure manufacturers. Mark Lane Express.

To Improve Sandy Soils.

The defect in such soils is chiefly of this sort: They are mechanically defective, being so light and porous that they cannot retain moisture, or manure, if applied. Besides, they are generally wanting in various important elements of plant growth. Therefore, to improve them, we must endeavour to supply these radical defects. The first point can be gained by spreading a coat of clay over the surface and dragging it in. This will improve its texture, and will also impart fertility. Adhesiveness and strength having been gained, manure from the barn yard may be applied as fast as it can be procured. Another method is to dress such lands with rough composts. Propare the heaps at leisure, in the The ingredients may be such as barn-yard. these; ten loads of stable dung mixed with five loads of clayed soil, twenty bushels of ashes, and the same amount of lime. After these articles have been well incorporated, let the mass lie for a month or two; then it will be ready for Such a compost, it is easy to see, will be use. more enduring, and better in all respects, than the same bulk of barn-yard manure. It will improve the quality of the land permanently, and will enrich it with a fertility which will be very lasting. On every farm of the kind here supposed, there should be one or more compost heaps of some sort constantly building-Agriculturist.

An Agricultural College Bill in the United States.

The recent U. S. Congress has passed three important acts for the encouragement of agriculture. These are the Homestead bill, the Bill creating a "Department of Agriculture" and the recently passed Bill providing for the establishment of Agricultural Colleges.

The latter bill in brief is as follows. It pro vides a grant of public land to be proportioned to each State, in quantity equal to 30,000 acres for each Senator and Representative in Congress, provided that no mineral lands are selected or purchased under the provisions of the act. The proceeds of these lands go to the "endowment, support, and maintenance of at least one college in each State, where the leading object shall be, without excluding other scientific and classical studies, and including military tactice, to leach such branches of learning as are related to Agriculture and the Mechanic Arts, in such manner as the legislatures of the States may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life." The further provisions of the act are, that the capital of the fund shall remain forever undiminished, and the annual interest be regularly applied to the purpose above