

and appliances, \$451,600. The main building is an imposing structure of magnesian limestone, occupying a commanding position. It is 240 feet long, 80 feet wide, and five storeys high.

The college owns three experimental farms—one of nearly 300 acres, on which the buildings are located; one in Chester County, of 100 acres, and one in Indiana County, of 100 acres. The soil of the farm at Centre county is a clay loam, mixed with limestone, with some flint, and seems to be well adapted to the growth of the grains and grasses cultivated in this district. Very little purely experimental work is carried on in the outlying farms, as they are not easily accessible to the students. These are cultivated with hired help, with the usual rotation of crops.

The course of instruction in agriculture is of a very practical nature, and combines farm work with teaching.

#### *Stock.*

About 20 animals compose the college herd—6 thoroughbred Jerseys, 3 Guernseys; the others are grades. All the animals are stall-fed. Many experiments in feeding have been reported in the bulletins of the college, and much information given on this topic.

#### *Field Experiments.*

One hundred and forty-four plots of one-eighth of an acre each have been set aside for some years past for continuous experiments. Many of them have been devoted to wheat, where the same variety has been grown for several years on the same plot with different sorts of fertilizers, and also without any manure whatever. The results of these tests have been very instructive. Crops of timothy and clover cut at different periods of their growth have also been compared, and the results observed of special manures on the quality as well as quantity of the wheat crop.

#### *Horticulture.*

There is an orchard of 20 acres, containing many different sorts of apples, and a vineyard of about 500 vines, chiefly Concord, which usually yields a large crop. There is not much being done here in small fruits.

#### *Miscellaneous.*

A special course of lectures to farmers is given every year at the college, occupying two weeks. They consist of from thirty to forty in all, and embrace a variety of topics covering the whole field of agriculture and horticulture, and are specially designed to meet the wants of farmers actively engaged in their calling.

The amount annually expended for instruction is about \$18,000.