

Revenue and Expenditure.

The receipts include interest from endowment fund, about \$7,000; annual State grant, \$6,000; board and tuition fees of students, about \$12,000—total, \$25,000. The expenses for salaries of the teaching staff is \$8,500. The balance is required to meet the other current expenses.

MASSACHUSETTS.

The Massachusetts Agricultural College and Experiment Station is situated within about a mile of Amherst. It was established in 1867, and occupies 382 acres of land. The endowment fund, from sales of public lands, is \$246,314, which has been increased by the State to \$360,067. The value of land, buildings and appliances is \$205,771.

This is one of the oldest of the agricultural colleges, and has accomplished much good work, both in the teaching and experimental lines. In 1870 the late Prof. L. Agassiz, acting as chairman of the examining committee, reported that "the theory of scientific agriculture is thoroughly taught, and the application of such knowledge is made on the farm. All students are compelled to work at the details of husbandry, so that manual labour becomes a valuable adjunct to mental application."

Stock.

The college herd numbers from 50 to 60 cows, including from 15 to 20 pure Ayrshires. The chief aim has been to produce milk, the cream from which is collected and made into butter, and the skim milk sold either to the experimental station or to the neighbouring farmers to be fed to the pigs. In this connection trials have been made with different kinds of fodder plants, to ascertain how far they affected the quantity and quality of the milk and butter. Experiments have also been made to test the comparative value of methods of setting and treating milk in the dairy; the productiveness of different breeds of cows, and accurate investigations as to the comparative nutritive and feeding value of northern, southern and western varieties of Indian corn.

Field Experiments.

Among the more important experiments with field crops which have been conducted here are the following: The growing of sugar beets, the manufacture of sugar from them, and trials of their value as food for cattle; the growing of early amber cane and the manufacturing of sugar from its juice; trials with South Carolina mineral phosphates in the raw state, and after treatment with acids, to determine their agricultural value, and similar experiments with salt, and with simple and compound commercial fertilizers.

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