

Manual Training Course.

The object of this course is not to teach a trade or to manufacture articles for sale, but to impart to the student a knowledge of tools and machinery, and to train him in the use of these in various forms of construction in conformity with mechanical and mathematical principles. The aim throughout will be to furnish the Student with the best possible equipment for life. The work undertaken will therefore be conducted so as to educate in the truest sense. Drawing will accompany all the constructions, whether in wood or iron. Successful Drawing is an essential part in Mechanics and Engineering; but hitherto Drawing in High Schools has failed, because it has lacked its necessary complement—Construction. These two, Drawing and Construction of the thing drawn, go hand in hand in Manual Training. For a strictly professional man or woman this sort of culture is of immense value; but many students have no inclination towards a profession, so called, but have special aptitudes for Mechanics, Engineering, Architecture, etc. A proper Manual Training Course leads directly towards these and kindred pursuits.

It is a great benefit to a boy to learn *how* things are done, but while he is learning this, other objects of even greater importance are attained. He is trained to habits of accuracy in every exercise he draws and executes; his taste and appreciation for beauty and proportion are cultivated by lathe turning and bench work. Thoughtfulness is developed throughout by the constant oversight and care of his tools and machinery; and independence and self-reliance are the natural outcome of a boy's exercising every day his power over material things and natural forces. Consciousness of power to do and be is a great stimulus in a boy's education.

In the Woodworking department (35-45 feet) are eighteen work benches, each supplied with a vise, a set of carpenter's tools, tool-rack, bench brush, and a drawer in which the Student keeps his apron, overalls and pieces of work. A line shaft, 34 feet long, is belted to twelve turning lathes on the west side of the room, also to a jig saw,