

ESSENTIALS IN MECHANICAL DRAWING

MECHANICAL SKETCHING

Introduction. — Mechanical drawing is, in these days of careful planning, the basis of all constructive work. The building of ships, the erection of the home, the large factory, or the sky-scraping office building, the construction of large locomotives, or of any of the great public works, is always preceded by very careful and complete drawings previously planning all arrangements in detail.

A knowledge of mechanical drawing is not only essential in the constructive trades and professions, but it is of value in almost all walks of life. The newspapers and magazines make wide use of drawings. Educational books dealing with the more practical phases of life are illustrated in this way. Indeed, the general public will never get the benefit of many of the new ideas, nor be able to give others the benefit of their own experience, without some knowledge and use of mechanical drawing.

It is not necessary to take a long course of instruction in order to be able to make or understand ordinary draw-