in order to make the instructions as practical as the time of the teacher will permit. They will follow a course in Mechanics—Theoretical and Applied—which will be supplemented by a course of reading and teaching on many important points of practice such as canals, rivers, bridges, roads of all kinds, etc.

The text used to be used we would take from the text used at West Point, the most successful engineering school in our country, and have them partly fully taught in daily recitations. Besides, the teacher will find many occasions to add from other authors what he thinks deficient in these books, and occasional lectures may supply what they do not profess to communicate.

The apparatus peculiar to this school necessary for the present and additional to what the College already has, will be a Theodolite, Compass, Rules for the construction of drawings, pointed and bowlders, costing perhaps a hundred dollars. We suggest only what is indisputable at first, expecting that gradually from various sources, our means of instruction by instruments, models and pictures may be very ample. The pupils will be expected to provide themselves with drawing instruments and material, costing on an average twenty dollars.

It will be seen that we do not now offer to teach Natural Philosophy as in general it is understood. Engineering strictly teaches us how to control the forces of Nature, not how to obtain them. Our pupils should be acquainted with Electricity, Magnetism, Optics, but we, as others, must refer them for information on these important subjects to the Academic course of the University. For have no time or ability now to teach practical Astronomy besides we have no Observatory and hence may be relieved from considering it at present.

As to the department of Analytical and Agricultural Chemistry we want to suggest that for admission to its teachings, pupils be required to possess a general elementary knowledge of the objects and subjects of Chemistry, such as may be obtained from some of the many good books now published or better still from...