

of economic geology. It is admirably arranged, and gives at one view an idea of nearly all the sources of the mineral wealth of the United States from the Atlantic border to the Pacific.

The building of the Sheffield School is better than that of Columbia College, though it is an old medical school adapted to its present use; and the scope of the institution is wider, including six distinct courses, any of which may be followed by the student. These are: 1st, Chemistry and Mineralogy; 2nd, Engineering and Mechanics; 3rd, Mining and Metallurgy; 4th, Agriculture; 5th, Natural History and Geology; 6th, A Select Scientific and Literary Course. The class-rooms and laboratories struck me as remarkably ingenious and neat in all their arrangements, and combining in a great degree all possible contrivances for the convenience of Professors and students. The bungling and uncomfortable arrangements too often seen in Academic rooms had evidently here been replaced by the exercise of some engineering and mechanical skill and contrivance, and by a combination of lecture room and cabinet the means of illustration had been rendered extremely accessible. In token that the Sheffield School is not altogether a school of mines looking down into the bowels of the earth, its liberal founder has presented it with an Equatorial Telescope, made by Clark, with an object glass having an aperture of nine inches. It is placed in a tower constructed for it; and with a meridian circle and other instruments, enables students to learn all the work of a regular observatory, as well as the operations of astronomical geodesy. Any one interested in the training of the young men of Canada can scarcely avoid a feeling of envy in visiting such an institution as this, furnished with so many facilities for enabling the active mind of youth to grasp all that is of practical utility or provocative of high and noble thought in the heaven above and in the earth beneath. At this moment a Canadian Sheffield, judiciously aiding any University having an adequate and permanent basis, would do more to promote the trade and manufactures of this country, and its scientific reputation, than can be done by any other agency.

The faculty of the Sheffield School includes twenty-three names, and its roll of students numbers one hundred and forty. It is scarcely necessary to say that several of the Professors at Yale are active and successful original workers, and that the place is not only an effective scientific school, sending out each