

in the direction of making provision for technical and commercial courses of study without neglecting any of the other courses.

Everyone now associates the material progress of a nation with the technical skill and knowledge of its artisans and mechanics. No people, it is now believed, no matter how rich it may be in natural resources, can maintain its place among the nations in this age of keen competition, if it neglect or ignore the question of technical education.

Germany and the United States have long since recognized the true value of such education and have made generous provision for it. England, comparatively speaking, has failed until very recent years to recognize its great importance. It seems now to be making amends rapidly, and in every possible direction. While England was indifferent, Germany was quietly training her army of skilled workmen. Her marvellous industrial progress during the last twenty-five years is, to a great extent, due to the care and zeal she had shown in educating her whole population. Her smallest villages are provided with their Technical, Trade, and Commercial Schools. Vast industrial establishments have sprung up in all directions.

She has fifty-five Commercial Schools, with 6,000 students. Important commercial houses are glad to take the graduates. In some cities, such as Vienna, travelling scholarships are awarded, and the fortunate holders of them are to be found in all the trade centres with which Austria is connected.

Every country needs these trained workers. I have spoken of one or two typical schools in the United States; let me now speak of one in Germany. The Berlin Royal Technical College has 140 professors, 260 assistants, and 3,500 students. Engineering (Marine and Mechanical), Chemistry and Metallurgy are among the subjects taught. Art galleries, museums, laboratories, all free, form part of the equipment. What we call artistic and humane studies go hand-in-hand with industrial training, whether it be trade training, technical equipment, or all-round culture—nothing is neglected. Her professors