

may be termed the self-made unprofessional engineers or if left more under professional or academic control. The German manufacturer or railway builder would doubtless answer the question in favor of the professionally trained expert. The conditions existing in the two countries being in many respects different, the advancement made in electrical engineering, for example, affords no complete answer to the question. It would be conceded on both sides of the ocean that in the more difficult field of chemical manufacture the professionally trained chemist has been indispensable.

THE New York State Civil Service Commission will receive until October 10, applications for the positions of instructors in various manual arts in the reformatory and industrial institutions of the state. The salaries are in most cases \$65 a month and board. Candidates will not be required to appear at any place for examination but will be rated on their education, special training, experience and personal qualifications as shown by their sworn statements, and by the answers to inquiries made by the Commission of their former employers and others acquainted with their experience and qualifications. Duly authenticated specimens of the work of candidates may also be required to be submitted in conformity to regulations to be prescribed by the Commission.

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#### UNIVERSITY AND EDUCATIONAL NEWS.

THE daily papers state that Mr. John Hays Hammond, professor of mining engineering at Yale University, will present to that institution a metallurgical laboratory costing from \$25,000 to \$50,000.

It is reported that donations amounting to \$300,000 have been made to the University of Chicago, for archeological research in Egypt and Babylonia.

It is also reported that the University of Chicago has purchased the south frontage of the Midway Plaisance between Cottage Grove and Madison Avenue at a cost of \$1,450,000 and that this land will be used as a medical school including the Rush Medical College and

the McCormick Memorial Institute for Infectious Diseases.

THE University of Illinois has acquired in connection with the College of Physicians and Surgeons the Chicago College of Dental Surgery.

A PRESS despatch to the daily papers from Des Moines, Ia., states that Mr. Frederick M. Hubbell, has conveyed, jointly with his wife, property to the value of about \$5,000,000 to himself and his sons, Frederick C. Hubbell and Grover C. Hubbell of Des Moines, trustees of the said Frederick M. Hubbell estate, and to their successors in trust for the trustees and their lineal descendants, to the State of Iowa, to be used in founding a college in Des Moines. The trust period begins with the date of the declaration, and continues to the limit of time allowed by the law, viz., for a life or lives in being and twenty-one years thereafter.

THE chemical laboratory at Brown University has been made about one-third larger during the summer.

DR. T. H. MONTGOMERY, JR., assistant professor of zoology at the University of Pennsylvania, has been appointed to the professorship of zoology in the University of Texas, vacant by the removal of Professor W. M. Wheeler to the American Museum of Natural History. Dr. Herbert S. Jennings, assistant professor of zoology at the University of Michigan, and now at Naples, has been called to the assistant professorship of zoology at the University of Pennsylvania.

DR. E. R. CUMMINGS, Ph.D. (Yale), has been promoted to the position of acting head of the Department of Geology at Indiana University.

DR. EDWARD R. POSNER has been appointed assistant in physiological chemistry, Columbia University.

DR. KARL DIENER has been appointed associate professor of paleontology in the University of Vienna.

DR. A. HANSGIRG, professor of botany at Prague, has retired after forty years of service.