FRIDAY, NOVEMBER 9, 1906.

CONTENTS.
The Dedication of the Engineering Building of the University of Pennsylvania:—A Comparison of University and Industrial Discipline and Methods: DR. FREDERICK W. TAYLOR .......................................................... 577
The Engineer as a Citizen: PRESIDENT ALEX. C. HUMPHREYS .............................. 583
Scientific Books:—Folsom's Entomology: J. G. N. NORTON'S Elements of Geology: DR. MARK S. W. JEFFERSON ................................................................. 589
Scientific Journals and Articles ......................... 591
Discussion and Correspondence:—A Definition of Fluid: OSWIN W. WILLCOX. Why do Herring Gulls kill their Young?: HENRY L. WARD. An Unusual Meteor: C. A. CHANT. A Correction: J. W. BEEDE ................................. 592
Special Articles:—A New Artemia and its Life Conditions: PROFESSOR VERNON L. KELLOGG. Some Unusual New Jersey Fishes: HENRY W. FOWLER ......................................................... 594
Quotations:—Botany in England ............................................... 597
Botanical Notes:—Papers on Fungi; California Trees: PROFESSOR CHARLES E. BESSEY ......................................................... 601
Degrees conferred by the University of ABERDEEN ........................................... 602
The Franco-American Expedition to explore the Atmosphere in the Tropics .... 603
Society for the Promotion of Industrial Education ............................................. 603
Scientific Notes and News ....................................................... 604
University and Educational News ................................................ 608

MSS. intended for publication and books, etc., intended for review should be sent to the Editor of SCIENCE, Garrison-on-Hudson, N. Y.

THE DEDICATION OF THE ENGINEERING BUILDING OF THE UNIVERSITY OF PENNSYLVANIA.

A COMPARISON OF UNIVERSITY AND INDUSTRIAL DISCIPLINE AND METHODS.

The point from which I view college education is that of the employer, not that of the educator. I have had no experience with the difficult and complicated problem that faces the professors and the governing boards of our colleges. On the other hand, I have been engaged for years in organizing the shop, office and commercial management of quite a wide range of engineering and manufacturing establishments. This has brought me into intimate personal contact with a large number of college graduates, and I have become well acquainted with their strong points, which are many, and at the same time with a few of those points in which it would seem that as a class they might be improved. And in what I shall say I have principally in mind the preparation of young men for success in commercial engineering and industrial enterprises; in other words, enterprises outside of the four learned professions.

I despise the pessimist who sees nothing but the defects and blunders of mankind, and the scold, whose pleasure it is to complain of all things as they are.

Let me say at the start, that without question our college graduates as a class represent the finest body of men in the community. And as to the value of an engineering course for men in our profession, our fellow-townsmen, Mr. Jas. M.