through and brought into contact with the heated ore. The heated ore is thus converted into a pure iron. Accompanied by and protected by the deoxidizing gas, it is passed into a third chamber or melting hearth, where it falls into a bath of molten iron and is converted directly into steel or balled up as malleable iron. The savings claimed for the process are those of time, labor—the whole process being automatic—fuel and avoidance of flux. The inventors claim that they have discovered a direct method of producing steel from one operation instead of using the blast furnace and converter.

UNIVERSITY AND EDUCATIONAL NEWS.

THE following additions have been made to the faculty of Stanford University, to begin work with the coming academic year:

George Hempl, of the University of Michigan, as senior professor in German.

Allyn Abbott Young, of the University of Wisconsin, as associate professor of economics.

Thorstein Veblen, of the University of Chicago, as associate professor of economics.

William Dinsmore Briggs, of Western Reserve University, as assistant professor of English.

C. A. Huston, of the University of Chicago, as instructor in law.

Payson J. Treat, of Stanford University, instructor in history.

Frank E. Thompson, of the State Normal School of San Diego, instructor in education.

Hubert H. Hall and L. L. Carter, both of Stanford University, instructors in civil engineering.

Lawrence E. Cutter, of Stanford University, instructor in mechanical engineering.

Frederick A. Manchester, of the University of Wisconsin, instructor in English.

Pierre Comert, of the University of Paris, instructor in French.

Homer P. Earle, of Stanford University, instructor in Spanish.

W. O. Mendenhall, of Haverford College, instructor in applied mathematics.

Rennie W. Doane, of Stanford University, instructor in entomology.

William E. Burke and William H. Sloan, both of Stanford University, instructors in chemistry.

Luther Burbank, of Santa-Rosa, lecturer on plant evolution.

Ephraim Douglass Adams has been promoted to a professorship in history and Edward Curtis Franklin to a professorship in organic chemistry; Hans Frederik Blichfeldt to an associate professorship in mathematics; and Charles Henry Huberich to an associate professorship in law. Henry Suzzallo has been promoted to an assistant professorship in education; Anstruther A. Lawson to an assistant professorship in botany; Kenneth Livermore Curtis to an assistant professorship in electrical engineering; Arthur Martin Cathcart to an assistant professorship in law; and Henry David Gray to an assistant professorship in English. The work of repairs of earthquake damages at Stanford University has been placed in the hands of a commission of the engineering faculty composed of Professors Charles David Marx, William F. Durand and Charles B. Wing. The repairs have progressed so far that all necessary rooms are ready for the work of the coming academic year, which begins on August 23, 1906.

LEMENUEL W. FAMULENER, B.S. (Michigan, '02), Ph.C. (Michigan, 1900), M.D. (Michigan, '06), has been appointed assistant professor of pathology in Indiana University. Dr. Famulener was for three years Nelson Baker and Co. research fellow in pharmacology under Dr. Cushny at the University of Michigan, and for one year a worker with Dr. Mansen in the Statens Seruminstitut at Copenhagen, Denmark.

DR. BRUCE FINK, of Iowa College, has been appointed professor of botany at Miami University, Oxford, Ohio.

JAMES T. ROOD, Ph.D., has been elected professor of mathematics and physics at Ursinus College, Collegeville, Pa.

MR. DIARMID NOËL PATON, superintendent of the laboratory of the Royal College of Physicians, Edinburgh, has been appointed regius professor of physiology in the University of Glasgow, in place of Professor J. G. M'Kendrick, resigned.

DR. EUGENE ALBRECHT, director of the Senckenbergische Institut at Frankfort, has been called to the chair of pathology at Marburg.

DR. GUSTAV STEINMANN, of Freiburg, has been called to a chair of geology at Halle.