

HYDRAULICS—

Discharge of water through orifices, notches, etc. Flow in pipes and open channels. Sewerage, Water-works, Water-power, Water-wheels, Turbines, Pumps, etc.

THERMO-DYNAMICS AND THEORY OF THE STEAM ENGINE

Text-Books and Books of Reference.—Von Ott—Graphic Statics (*a*).

Du Bois—Graphic Statics.

“ Strains in Framed Structures.

Cotterill—Applied Mechanics (*a*), (*b*), (*c*), (*d*).

Rankine—Applied Mechanics (*b*), (*c*), (*d*).

Lanza—Applied Mechanics (*d*).

Unwin—Elements of Machine Design (*c*).

Shann—Elementary Treatise on Heat (*c*), (*d*).

Peabody—Thermodynamics (*d*).

“ Steam Tables (*d*).

Carpenter — Experimental Engineering (*d*).

Kennedy—Mechanics of Machinery (*b*), (*c*).

Merriman—Hydraulics (*c*), (*d*).

Bodmer—Hydraulic Motors, Turbines, etc. (*d*).

Gerhard—House Drainage and Sanitary Plumbing (*c*).

Santo Crimp—Sewage Disposal Works.

Fees for Special Students, \$19.

THEORY OF MECHANISM.

Principles of the transmission of motion without reference to force.

Pitch surfaces, spur wheels, bevel wheels, skew-bevel wheels, trains of wheelwork, teeth of wheels, cams, cranks, eccentrics, (links, bands and pulleys, hydraulic connections, frictional gearing, link motion for slide valves, etc., etc.