



STEAM ENGINEERING

Learned by study at home in your spare time. Able instructors. Superior textbooks free. Fees moderate.

\$2 in ADVANCE and \$2 a MONTH Pays for a College Education at Home.

Established 1891. 35,000 students and graduates. Courses in Electrical, Mechanical or Civil Engineering; Mathematics; Chemistry; Mining; Architectural or Mechanical Drawing; Surveying; Plumbing; Architecture; Metal Pattern Drafting; Prospecting; Book-keeping; Shortland; English Branches.

INTERNATIONAL CORRESPONDENCE SCHOOLS, Box 942, Scranton, Pa.

The Best Place to Study Engineering IS PITTSBURGH.

Write for a prospectus of the Engineering Department of the Western University of Pennsylvania, to W. J. HOLLAND, LL.D., Chancellor, Pittsburgh, Pa.

Advertisement for Webster Gas Engine, featuring an illustration of the engine and text describing its power and efficiency.

MIETZ & WEISS KEROSENE ENGINE

the most economical power known. Absolutely safe and reliable. Runs with common kerosene. Perfectly automatic. Patented 1897 U. S. and European countries.

Advertisement for Weber Gasoline Mine and Mill Pumps, featuring an illustration of a pump and text describing its uses.

Advertisement for 'Wolverine' Gas & Gasoline Engines, featuring an illustration of an engine and text describing its safety and performance.

Advertisement for Truscott Boat Mfg. Co., featuring an illustration of a boat and text describing its features and price.

Advertisement for Frontier Gas Engines, featuring an illustration of an engine and text describing its specifications.

CONTROL OF FIRE.—VALUABLE PAPER on fire extinguishment. SCIENTIFIC AMERICAN SUPPLEMENT 1134. Price 10 cents.

Advertisement for Vapor Launch Complete for \$150, featuring an illustration of a launch and text describing its features.

Advertisement for Racine Yacht and Boat Works, featuring an illustration of a yacht and text describing their services.

ACETYLENE GAS AND CARBIDE OF Calcium.—All about the new illuminant, its qualities, chemistry, pressure of liquefaction, its probable future, experiments performed with it.

Advertisement for Grand Rapids Gas Engine & Yacht, featuring an illustration of a gas engine and text describing its features.

Advertisement for Caldwell Tank and Tower, featuring an illustration of a tank and text describing its fire protection services.

Table listing various mechanical and electrical items with their corresponding page numbers, including items like Hub wheel, Hydraulic motor, Hydrocarbon burner, etc.

Advertisement for Well Drilling Machinery, manufactured by Williams Brothers, Ithaca, N.Y.

Advertisement for Artesian Wells, featuring an illustration of a well and text describing the services offered.

Advertisement for Purify Your Drinking Water, featuring an illustration of a water filter and text describing its benefits.

Advertisement for The Berkefeld Filter, featuring an illustration of the filter and text describing its effectiveness.

Advertisement for Dorman's Vulcanizers, featuring an illustration of a vulcanizer and text describing its uses.

Advertisement for A. W. Faber, featuring an illustration of a fountain pen and text describing their products.

Advertisement for Fans, Fans Fans, Keep Cool, featuring an illustration of a fan and text describing its cooling capabilities.

Advertisement for Simplex Time Recorder, featuring an illustration of the recorder and text describing its time-saving features.

Advertisement for N. Y. Camera Exchange, featuring an illustration of a camera and text describing their services.

Advertisement for Typewriters Half Price, featuring an illustration of a typewriter and text describing the offer.

Advertisement for National Typewriter Exchange, featuring an illustration of a typewriter and text describing their services.

Advertisement for 'Gem' Clover Cutter, featuring an illustration of the cutter and text describing its uses.

Advertisement for Zentmayer's Microscopes, featuring an illustration of a microscope and text describing its features.

Advertisement for River Gold Dredger, featuring an illustration of the dredger and text describing its capabilities.

THE Scientific American SPECIAL NAVY SUPPLEMENT.

Advertisement for The Battleship 'Oregon', featuring an illustration of the ship and text describing its historical significance.

The great desire during the present crisis for accurate information concerning the United States Navy has led to the preparation of a short treatise on the Navy, which has just been published under the above title.

This issue consists of forty pages. The number opens with a historical sketch of the birth and growth of the new Navy from 1883 to 1898.

This is followed by an article which explains the different types of vessels into which a modern navy is divided, and shows, by the assistance of diagrams, the manner in which the various types of vessels are classified.

Under the cut of each ship is a full table of her dimensions, armor, guns, speed, etc., and this is supplemented by tables at the end of the work, giving complete tables of the whole fleet.