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**BOOK DIGITIZATION PROJECT PROPOSAL COVER SHEET
FY 2009**

PROJECT NAME:

Digitization of Armour Institute of Technology Theses

CARLI MEMBER INSTITUTION:

Illinois Institute of Technology

PROPOSAL INFORMATION:

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Please use additional sheets of paper if necessary.

Armour Institute of Technology, one of the predecessors of the Illinois Institute of Technology, started requiring students to prepare theses for graduation in 1905. The documents selected for digitization consist of all theses written through the end of 1924, a total of 617 volumes. The theses consist of typewritten 8 ½” by 11” sheets, some with applied photographs or hand rendered graphs and charts. All are professionally bound and cataloged as part of the IIT University Archives. All volumes are in good, stable condition.

Armour Institute of Technology was one of only a few colleges and universities in Illinois offering degrees in engineering starting at the end of the nineteenth century. These documents represent a unique source of information on the research activities of the institute beginning in 1905 and continuing to the present. Only theses published prior to 1925 are being included in this digitization project. These documents also represent a cross section of the research interests of Illinois and Chicago engineers during the first half of the twentieth century, a period of great technological advancement and include a wide range of topics. Full-text access to this collection would be invaluable to researchers exploring the contributions of Chicago and Illinois to scientific discovery and technological innovation, as well as to those researching the history of technology and invention in the state.

Title	Publication Year	# of Volumes	Edition	Publisher	OCLC #	Checked OCA site yes/no
Action of a Three Phase Induction Motor under various forms of Pressure Wave	1905	1	1	Armour Institute of Technology		yes
Analysis and Design of a Power Plant for a Proposed Department Store and Office Building	1905	1	1	Armour Institute of Technology		yes
Calibration of the Pitot Tube	1905	1	1	Armour Institute of Technology		yes
Comparison of the Chemical and Physical Properties of Vitrified Bricks	1905	1	1	Armour Institute of Technology		yes
Comparison of the Compressive Strength of Concrete made with Limestone Screenings and with Torpedo Sand	1905	1	1	Armour Institute of Technology		yes
Design and Construction of 5 K.W. – 1,000 Ampere – 110/5 Volt High Current Transformer	1905	1	1	Armour Institute of Technology		yes
Design and Construction of a Reducing Motion for an 8 x 10 Westinghouse Vertical, Three Cylinder, Four Cycle, 35 H. P. Gas Engine	1905	1	1	Armour Institute of Technology		yes
Design and General Details of Two Hinged Steel Arch Span	1905	1	1	Armour Institute of Technology		yes
Design of a Reinforced Concrete Steel Arch Bridge	1905	1	1	Armour Institute of Technology		yes
Designs and Specifications of Street Pavements for Valparaiso, Indiana	1905	1	1	Armour Institute of Technology		yes
Determination of Current and Candle Power Curves of The Alternating Current ARC Under Impressed voltage of Various Wave Forms	1905	1	1	Armour Institute of Technology		yes
Determination of the Effect of Tension on the Linear Coefficient of Expansion of Stranded Aluminum Cables	1905	1	1	Armour Institute of Technology		yes
Effect of Oil Injection into the Cylinder of a Gas Engine	1905	1	1	Armour Institute of Technology		yes
Efficiency of Steam Separators	1905	1	1	Armour Institute of Technology		yes
Engineering Study of the Coals on the Chicago Market	1905	1	1	Armour Institute of Technology		yes

Title	Publication Year	# of Volumes	Edition	Publisher	OCLC #	Checked OCA site yes/no
Filtration	1905	1	1	Armour Institute of Technology		yes
Investigation of an Air Cooling Process for Static Transformers	1905	1	1	Armour Institute of Technology		yes
Investigation of the Effects of Iron Conduits on Line Drop	1905	1	1	Armour Institute of Technology		yes
Investigation of the Tar By-Product of the Water Gas Industry	1905	1	1	Armour Institute of Technology		yes
Relation between Physical and Magnetic Hardness of Certain Carbon Steels	1905	1	1	Armour Institute of Technology		yes
Some Commutation Phenomena of Direct Current Machinery	1905	1	1	Armour Institute of Technology		yes
Study and Design of Tall Office Building Power Plant	1905	1	1	Armour Institute of Technology		yes
Study of the Starting Torque in a Polyphase Synchronous Motor	1905	1	1	Armour Institute of Technology		yes
Wagner Single Phase Induction Motor	1905	1	1	Armour Institute of Technology		yes
Bibliography of Power Plant Engineering	1906	1	1	Armour Institute of Technology		yes
Calibration of the Pitot Steam Meter	1906	1	1	Armour Institute of Technology		yes
Changes in the Nitrogen Constituents of Water	1906	1	1	Armour Institute of Technology		yes
Comparative study of variable Speed Motor Control	1906	1	1	Armour Institute of Technology		yes
Comparative test of Integrating Wattmeters	1906	1	1	Armour Institute of Technology		yes
Design & General Details of a Two-Hinged Spandrel Braced Steel Arch Double Track Railway bridge 400 foot Span	1906	1	1	Armour Institute of Technology		yes
Design and Construction of a Machine for Testing Commutators and Brushes	1906	1	1	Armour Institute of Technology		yes
Design and Construction of Apparatus to Facilitate Rapid Measurements with the Oscillograph	1906	1	1	Armour Institute of Technology		yes
Design and Specifications for a Concrete Impounding Dam	1906	1	1	Armour Institute of Technology		yes
Design of a 20 M. Gallon water Pumping Station	1906	1	1	Armour Institute of Technology		yes

Title	Publication Year	# of Volumes	Edition	Publisher	OCLC #	Checked OCA site yes/no
Design of a 500 Ton Bituminous Coal Washing Plant	1906	1	1	Armour Institute of Technology		yes
Design of a Fifty Ton Sulphite Pulp Mill	1906	1	1	Armour Institute of Technology		yes
Design of A Portland Cement Plant Utilizing Blast Furnace Slag	1906	1	1	Armour Institute of Technology		yes
Design of a Reinforced Concrete Railroad Arch Bridge	1906	1	1	Armour Institute of Technology		yes
Design of a Sewage Treatment Plant for a city of 20,000 Population	1906	1	1	Armour Institute of Technology		yes
Design of a Water Works and Sewer System for St. Charles, Kane County, Ill.	1906	1	1	Armour Institute of Technology		yes
Elimination of Oil from Exhaust Steam	1906	1	1	Armour Institute of Technology		yes
Experimental Development of a Special Indicator For the Gas Engine	1906	1	1	Armour Institute of Technology		yes
Experimental Investigation of the Time of Combustion in a Gas Engine Cylinder	1906	1	1	Armour Institute of Technology		yes
Heat Transmission Through Condenser Tubes	1906	1	1	Armour Institute of Technology		yes
High Speed Tool Steel on Lathe Work	1906	1	1	Armour Institute of Technology		yes
Investigation of the Effects of Iron Conduits on Line Drop	1906	1	1	Armour Institute of Technology		yes
Investigation of the Physical Characteristics of Various Kinds of Wire	1906	1	1	Armour Institute of Technology		yes
Investigation of the Properties of Chilled Cast Iron as a Material for Permanent magnets	1906	1	1	Armour Institute of Technology		yes
Mechanical Filtration for Municipal Water Supply	1906	1	1	Armour Institute of Technology		yes
Mutual Action of Lubricating Oils and Bearing Metals	1906	1	1	Armour Institute of Technology		yes
Power Developed by a Hydraulic Ram	1906	1	1	Armour Institute of Technology		yes
Study of Automatic Electric Fire Pumps	1906	1	1	Armour Institute of Technology		yes
Study of Ideal Dry Pipe Valve	1906	1	1	Armour Institute of Technology		yes
Study of Materials used in Construction	1906	1	1	Armour Institute of Technology		yes

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Study of Phasing Transformers	1906	1	1	Armour Institute of Technology		yes
Study of the Chemical and Physical Properties of Molding Sands	1906	1	1	Armour Institute of Technology		yes
Test of a New type of Storage Cell	1906	1	1	Armour Institute of Technology		yes
Variation of Candle Power of the Alternating Current Arc with Current and E.M.F. Forms	1906	1	1	Armour Institute of Technology		yes
Commercial Test of 350 HP Stirling Boiler	1907	1	1	Armour Institute of Technology		yes
Comparative Determination of the Magnetic Qualities of Iron and Steel with the Esterline Permeameter and Magnetic Balance	1907	1	1	Armour Institute of Technology		yes
Comparative Test of Cylinder Lubricating Oils	1907	1	1	Armour Institute of Technology		yes
Comparative Tests of Induction Wattmeters	1907	1	1	Armour Institute of Technology		yes
Design and Arrangement of Machinery for a 600 Ton Beet-Sugar Factory	1907	1	1	Armour Institute of Technology		yes
Design and Test of a Suction Gas Producer Pressure Regulator	1907	1	1	Armour Institute of Technology		yes
Design of a Complete Water Works System for Gary, Lake County, Indiana	1907	1	1	Armour Institute of Technology		yes
Design of a High Tension Transmission System	1907	1	1	Armour Institute of Technology		yes
Design of a High-Tension, Low-Head, Hydro-Electric Power Plant	1907	1	1	Armour Institute of Technology		yes
Design of a Hydro-Electric Plant	1907	1	1	Armour Institute of Technology		yes
Design of a Polyphase Alternator	1907	1	1	Armour Institute of Technology		yes
Design of a Railroad Viaduct for the Overton County Railroad	1907	1	1	Armour Institute of Technology		yes
Design of a Separate Sewerage System Gary, Lake County, Indiana	1907	1	1	Armour Institute of Technology		yes
Design of a Three Span Double Track Reinforced Concrete Railroad Arch Bridge	1907	1	1	Armour Institute of Technology		yes

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Design of an Electrically Operated Interlocking Switch and Signal Plant	1907	1	1	Armour Institute of Technology		yes
Determination of the Temperature Coefficient, and Coefficient of Resistivity of Copper, Iron and Aluminum	1907	1	1	Armour Institute of Technology		yes
Development of Track Work	1907	1	1	Armour Institute of Technology		yes
Effect of Improper Valve Setting on the Economy of a Simple Corliss Engine	1907	1	1	Armour Institute of Technology		yes
Effect of Quality of Surface and Color upon Absorption of Light	1907	1	1	Armour Institute of Technology		yes
Effect of the Variation of Initial and Back Pressure on the Economy of a simple, High Speed, Automatic Steam Engine	1907	1	1	Armour Institute of Technology		yes
Efficiency Test of a 1100 K.W. Air Blast Transformer by the Calorimetric Method	1907	1	1	Armour Institute of Technology		yes
Efficiency Test of a Four Cylinder Four Cycle Twenty Horse Power Automobile Gasoline Engine	1907	1	1	Armour Institute of Technology		yes
Experiments with Westinghouse Gas Engine	1907	1	1	Armour Institute of Technology		yes
Forest Canon Reservoir	1907	1	1	Armour Institute of Technology		yes
Hollow Tile for Fireproof Construction of Smaller Buildings including the Design Specifications and Estimate for the Hollow Tile Work of a Typical Residence	1907	1	1	Armour Institute of Technology		yes
Impounding Dam and Filtration Plant	1907	1	1	Armour Institute of Technology		yes
Installation and test of ADOS CO2 recorder	1907	1	1	Armour Institute of Technology		yes
Investigation of High-Tension Switching Equipments	1907	1	1	Armour Institute of Technology		yes
Investigation of the Mercury Arc Rectifier by Means of the Oscillograph	1907	1	1	Armour Institute of Technology		yes
Location of the Overton County Railroad	1907	1	1	Armour Institute of Technology		yes

Title	Publication Year	# of Volumes	Edition	Publisher	OCLC #	Checked OCA site yes/no
Oscillographic Investigation of Current and E.M.F. Waves of Telephone Magneto Generators	1907	1	1	Armour Institute of Technology		yes
Plans, Specifications, and Cost of Elevation of a Portion of the Tracks of the H. & N. RY.	1907	1	1	Armour Institute of Technology		yes
Selection of Prime Movers for Electric Power Plants	1907	1	1	Armour Institute of Technology		yes
Speed-Time Curve Study of Electric Railway Load Conditions	1907	1	1	Armour Institute of Technology		yes
Study of a Suction Gas Producer	1907	1	1	Armour Institute of Technology		yes
Study of Water Distribution from Automatic Sprinklers	1907	1	1	Armour Institute of Technology		yes
Synchronous Motor	1907	1	1	Armour Institute of Technology		yes
Tests on Kerr Steam Turbine and Direct-Connected Worthington Centrifugal Pump	1907	1	1	Armour Institute of Technology		yes
Track Elevation	1907	1	1	Armour Institute of Technology		yes
Water Power Development at Iowa Falls, Iowa	1907	1	1	Armour Institute of Technology		yes
Bonding Strength of Concrete and Steel	1908	1	1	Armour Institute of Technology		yes
Characteristic Performance of an Induction Generator	1908	1	1	Armour Institute of Technology		yes
Comparative test of Integrating Wattmeters	1908	1	1	Armour Institute of Technology		yes
Comparative Tests on Small Steam Pumps	1908	1	1	Armour Institute of Technology		yes
Design and Construction of a Soft Coal Gas Producer	1908	1	1	Armour Institute of Technology		yes
Design and Details of a Reinforced Concrete Harbor Light House	1908	1	1	Armour Institute of Technology		yes
Design of 207 Span Spandrel-Braced Two-Hinged Arch	1908	1	1	Armour Institute of Technology		yes
Design of a Steel Railroad Bridge	1908	1	1	Armour Institute of Technology		yes
Design of a Summit Switch Yard for I.C. R. R. Chicago Division	1908	1	1	Armour Institute of Technology		yes

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Design of a Water Works System and Elevated Steel Tank for Franklin, Indiana	1908	1	1	Armour Institute of Technology		yes
Design of an Approach for a Proposed Bridge Across The Chicago River at La Salle Street, Chicago, IL	1908	1	1	Armour Institute of Technology		yes
Design, Plans and Specifications for Three Story Reinforced-Concrete Machine Shop Building 80'-0" x 120'-0"	1908	1	1	Armour Institute of Technology		yes
Determination of Errors in a Series Transformer	1908	1	1	Armour Institute of Technology		yes
Distillation of Coal Tar	1908	1	1	Armour Institute of Technology		yes
Effect of Varying Speed Upon the Gas Consumption of the Westinghouse Gas Engine	1908	1	1	Armour Institute of Technology		yes
Electrolytic Survey of Loop District in Chicago and Electrolysis of Water Mains	1908	1	1	Armour Institute of Technology		yes
Experimental Investigation of the Flow of Steam thru Pipes by means of The Pitot Tube	1908	1	1	Armour Institute of Technology		yes
Extraction of Sugar from dried Sugar Beets	1908	1	1	Armour Institute of Technology		yes
Hydro-Electric Power Station Design	1908	1	1	Armour Institute of Technology		yes
Investigation of Special Steels	1908	1	1	Armour Institute of Technology		yes
Investigation on "The Experimental Manufacture of Soap with Recovery of Glycerine"	1908	1	1	Armour Institute of Technology		yes
Lighting Arresters and Schemes for Testing	1908	1	1	Armour Institute of Technology		yes
Modern Automatic Electric Block Signal Installation	1908	1	1	Armour Institute of Technology		yes
Oscillograph investigation of Communication	1908	1	1	Armour Institute of Technology		yes
Plans, Specifications and Cost of Proposed Western Branch of the Southwest Land Tunnel	1908	1	1	Armour Institute of Technology		yes
Selection of Motor Equipment for the Electrification of the C.R.I. & P. Ry. Design of Blue Island Power Plant	1908	1	1	Armour Institute of Technology		yes

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Study of the Grinnell Variable Pressure Alarm Valve	1908	1	1	Armour Institute of Technology		yes
Tests on a Four-Cycle Automobile Engine	1908	1	1	Armour Institute of Technology		yes
Adaptation of the Multi-Tapped Auto Transformer to Dimming of Incandescent Lamps	1909	1	1	Armour Institute of Technology		yes
Advisability of Changing the Municipal Shops to Motor Drive	1909	1	1	Armour Institute of Technology		yes
Chemical Utilization of Municipal Waste	1909	1	1	Armour Institute of Technology		yes
Comparative Life Test of Five Types of Incandescent Lamps	1909	1	1	Armour Institute of Technology		yes
Comparative Test of Centrifugal Pressure Blowers	1909	1	1	Armour Institute of Technology		yes
Comparative Test of Integrating Wattmeters	1909	1	1	Armour Institute of Technology		yes
Comparison of Efflux Coefficients for Various Shapes and Sizes of Nozzles	1909	1	1	Armour Institute of Technology		yes
Design and Construction of an Automatic Absorption Dynamometer for a Standard Master Car Builder's Drop Test Machine	1909	1	1	Armour Institute of Technology		yes
Design and Experimental Study of a Capillary Electrometer	1909	1	1	Armour Institute of Technology		yes
Design and General Details for a Single Track, Single Leaf, Trunnion Bascule Bridge	1909	1	1	Armour Institute of Technology		yes
Design Details and Specifications for a Water Works System, Buchanan, Mich.	1909	1	1	Armour Institute of Technology		yes
Design of a Reinforced Concrete Arch	1909	1	1	Armour Institute of Technology		yes
Design of a Reinforced Concrete Arch	1909	1	1	Armour Institute of Technology		yes
Design, Specifications and Estimate of a Reinforced Concrete and Steel warehouse	1909	1	1	Armour Institute of Technology		yes

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Determination of Ratio and Angle Errors in a Series Transformer	1909	1	1	Armour Institute of Technology		yes
Drying of Sugar Cane and Extraction of Sugar Therefrom	1909	1	1	Armour Institute of Technology		yes
Effect in Economy of an Automobile Engine of Varying the Igniter and Fuel Valve Opening	1909	1	1	Armour Institute of Technology		yes
Effect of Entrapped Air on the Action of Wet Pipe Alarm Valves	1909	1	1	Armour Institute of Technology		yes
Effect of External Fields upon Alternating Current Wattmeters	1909	1	1	Armour Institute of Technology		yes
Effect of Frequency on the break down Voltage of Lighting Arresters	1909	1	1	Armour Institute of Technology		yes
Effect of Throttling Suction on a Three-Inch Dayton Centrifugal Pump	1909	1	1	Armour Institute of Technology		yes
Effect of Variation of Compression on the Efficiency and Economy of a Gas Engine	1909	1	1	Armour Institute of Technology		yes
Electrification Project of the Chicago Suburban Service of the Chicago, Burlington & Quincy R. R.	1909	1	1	Armour Institute of Technology		yes
Electrification Project the Illinois Central Railroad Company Suburban Service at Chicago, ILL.	1909	1	1	Armour Institute of Technology		yes
Electrolytic Deposition of Copper Math	1909	1	1	Armour Institute of Technology		yes
Experimental Study of the Globe Photometer	1909	1	1	Armour Institute of Technology		yes
Forces set up in a Conductor by a current "Pinch Effect"	1909	1	1	Armour Institute of Technology		yes
Graphical Methods in Reinforced Concrete Design	1909	1	1	Armour Institute of Technology		yes
Improvement of Sheridan Road in Glencoe	1909	1	1	Armour Institute of Technology		yes
Investigation of The Effect of the Degree of Superheat on the Economy of a Marsh Boiler-Feed Pump	1909	1	1	Armour Institute of Technology		yes

Title	Publication Year	# of Volumes	Edition	Publisher	OCLC #	Checked OCA site yes/no
Manufacture of Calcium Cyanamide by the use of Nitrogen obtained from Combustion Gases	1909	1	1	Armour Institute of Technology		yes
New Method for Testing Reinforced Concrete Slabs	1909	1	1	Armour Institute of Technology		yes
Permutator (Rougè –Faget Type)	1909	1	1	Armour Institute of Technology		yes
Practice Test of Primary Cells	1909	1	1	Armour Institute of Technology		yes
Report of Cupola Tests Made During a Course in Advanced Metallurgy	1909	1	1	Armour Institute of Technology		yes
Study of the Alternating Current Series Motor	1909	1	1	Armour Institute of Technology		yes
Study of the Effect of Momentary External Fields on the Retentivity of the Permanent Magnets of Recording Wattmeters	1909	1	1	Armour Institute of Technology		yes
System of Street Pavement for Naperville, Illinois	1909	1	1	Armour Institute of Technology		yes
Test and Report of a Modern Ice Plant	1909	1	1	Armour Institute of Technology		yes
Test of a 400 H. P. Gas Producer at Armour & Co., Chicago, IL	1909	1	1	Armour Institute of Technology		yes
Test of an Evaporative Condenser	1909	1	1	Armour Institute of Technology		yes
Variation of Iron Loss in Transformers with Shape of Applied E.M.F. Wave	1909	1	1	Armour Institute of Technology		yes
Blankit as a Bleaching Agent in Paper Making	1910	1	1	Armour Institute of Technology		yes
Bursting Strength of Standard Pipe and Fittings	1910	1	1	Armour Institute of Technology		yes
Comparison of the Various Methods of Determining the Commercial Efficiency of Direct Current Motors & Generators	1910	1	1	Armour Institute of Technology		yes
Design and Estimate of the Improvement of the Fifth Street Road Through the Little Vermillion Valley at La Salle, Ill.	1910	1	1	Armour Institute of Technology		yes
Design for Power Plant	1910	1	1	Armour Institute of Technology		yes
Design of a Water Works System for Rushville, Illinois	1910	1	1	Armour Institute of Technology		yes

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Design of a 1500 K.W. Hydroelectric and Auxiliary Steam Power Plant	1910	1	1	Armour Institute of Technology		yes
Design of a Reinforced Concrete Roof for the Archer Avenue and Rockwell Street Car House of the Chicago City Railway Company	1910	1	1	Armour Institute of Technology		yes
Design of a Sanitary Sewer System and a Septic Tank for the city of Rushville, Illinois	1910	1	1	Armour Institute of Technology		yes
Design of a Sewerage System South Range, Michigan	1910	1	1	Armour Institute of Technology		yes
Design of a Two Span Double Track Reinforced Concrete Trolley Car Arch Bridge at Schiller Park, Illinois	1910	1	1	Armour Institute of Technology		yes
Design of an Automatic Caisson Excavator	1910	1	1	Armour Institute of Technology		yes
Design, Construction, and test of a Phasing Transformer	1910	1	1	Armour Institute of Technology		yes
Disposal of the Sewage of Lake Forest, Illinois	1910	1	1	Armour Institute of Technology		yes
Distribution of Potential in Suspension Type Insulators	1910	1	1	Armour Institute of Technology		yes
Effect of Varying Compression on the Efficiency of a Fairbanks-Morse Horizontal Gas Engine	1910	1	1	Armour Institute of Technology		yes
Efficiency Test of a Hydro-Electric Plant	1910	1	1	Armour Institute of Technology		yes
Friction between Flat Steel Springs as Used in the Waugh Draft Gear	1910	1	1	Armour Institute of Technology		yes
Gas Distribution in Syracuse, N. Y.	1910	1	1	Armour Institute of Technology		yes
Hydro-Electric Development on the Snake River at Oxbow Bend, Oregon	1910	1	1	Armour Institute of Technology		yes
Influence of Depth of Fire on Efficiency & Capacity of a 200 H.P. Stirling Boiler with McKinzie Stroker	1910	1	1	Armour Institute of Technology		yes
Manufacture of Soaps and the Recovery of Glycerine	1910	1	1	Armour Institute of Technology		yes

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Nernst Glower its Development, Characteristics and application to Illumination Practice	1910	1	1	Armour Institute of Technology		yes
Pitot Tube as a Steam Meter	1910	1	1	Armour Institute of Technology		yes
Proposed Hydraulic Power Development on East Canada Creek at Ingham Mills, New York	1910	1	1	Armour Institute of Technology		yes
Raton Mountain Electrification Project. The Atchison, Topeka & Santa Fe Railway Co.	1910	1	1	Armour Institute of Technology		yes
Rotary Kiln	1910	1	1	Armour Institute of Technology		yes
Study of a Single-Phase Variable Speed Shunt Induction Motor	1910	1	1	Armour Institute of Technology		yes
Study of the Action of a Four inch Grinnell Variable Pressure Alarm Valve	1910	1	1	Armour Institute of Technology		yes
Test of Slender Wooden Struts for Areoplanes	1910	1	1	Armour Institute of Technology		yes
Tungsten Lamp as a Secondary Standard of Light	1910	1	1	Armour Institute of Technology		yes
Vacuum Jacketing vs. Steam Jacketing	1910	1	1	Armour Institute of Technology		yes
Alternating Current Circuit with Pulsating Characteristics	1911	1	1	Armour Institute of Technology		yes
Arched Dams	1911	1	1	Armour Institute of Technology		yes
Bond Stress of Lap Reinforced Concrete Beams	1911	1	1	Armour Institute of Technology		yes
Comparative Test of Centrifugal Blowers	1911	1	1	Armour Institute of Technology		yes
Comparative Test of the Mercury Arc and the Murphy Electricity Rectifiers	1911	1	1	Armour Institute of Technology		yes
Comparative Tests of Lead/Lead Acid and Nickel/Iron Alkaline Storage	1911	1	1	Armour Institute of Technology		yes
Comparative Tests of Small Laminated and Solid Spruce Beams for Aeroplane Construction	1911	1	1	Armour Institute of Technology		yes

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Complete Test of the Willis "Straight Line" Watthour Meter and the Columbia Shunted Astatic Watthour Meter	1911	1	1	Armour Institute of Technology		yes
Composition and Utilization of Wood Tar	1911	1	1	Armour Institute of Technology		yes
Construction and Calibration of a new type of Pressure Gauge	1911	1	1	Armour Institute of Technology		yes
Construction and Test of a Rotary Transformer for Direct Current	1911	1	1	Armour Institute of Technology		yes
Construction of the Spokane River Bridge of the Idaho Western Railway at Spokane Bride, Wash.	1911	1	1	Armour Institute of Technology		yes
Design and Construction of a Boucherot Induction Motor	1911	1	1	Armour Institute of Technology		yes
Design and Construction of A complete Testing Apparatus for a 40 Horse Power Halladay Chassis	1911	1	1	Armour Institute of Technology		yes
Design for the Proposed Outer Harbor of the City of Chicago	1911	1	1	Armour Institute of Technology		yes
Design of a 20000 K.W. Steam Turbo-Generator Station	1911	1	1	Armour Institute of Technology		yes
Design of A 210' Span Steel Spandrel-Braced Two-Hinged Arch	1911	1	1	Armour Institute of Technology		yes
Design of a 30000 K.W. Steam-Electric Generating Station for Detroit, Michigan	1911	1	1	Armour Institute of Technology		yes
Design of a Prepayment Car for City Service	1911	1	1	Armour Institute of Technology		yes
Design of a Proposed Arch Rib concrete Bridge for North Sheridan Road, Waukegan, Ill.	1911	1	1	Armour Institute of Technology		yes
Design of a Trunnion Bascule Bridge	1911	1	1	Armour Institute of Technology		yes
Design of an Open Spandrel Reinforced Concrete arch Bridge of Two Hundred and Ten Feet Span	1911	1	1	Armour Institute of Technology		yes
Design of Brick Pavement for Woodstock, Illinois	1911	1	1	Armour Institute of Technology		yes

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Design of Proposed Hydro-Electric Plant on Big Salmon River, Idaho	1911	1	1	Armour Institute of Technology		yes
Effect of Nozzle Design on the Coefficient of Efflux of Automatic Sprinklers	1911	1	1	Armour Institute of Technology		yes
Efficiency by the Retardation Method	1911	1	1	Armour Institute of Technology		yes
Efficiency Test of Mabbs Electric Elevators at the Chicago Board of Trade	1911	1	1	Armour Institute of Technology		yes
Heat Treatment of High Speed Steels	1911	1	1	Armour Institute of Technology		yes
Installation and Test of a Three-Ton Ice Making Plant	1911	1	1	Armour Institute of Technology		yes
Installation and Test of an International Harvester Co. Gasoline Engine	1911	1	1	Armour Institute of Technology		yes
Methods used by Public Utility Commissions in Arriving at the Proper Depreciation and Valuation of Electric Light, Power, and Railway companies and Their Effect on Rate Regulation	1911	1	1	Armour Institute of Technology		yes
Production of Potassium Chloride and Iodine from Sea Weed	1911	1	1	Armour Institute of Technology		yes
Railway Converter Substation	1911	1	1	Armour Institute of Technology		yes
Study of Neutral Currents in Star Connected Three-Phase Alternators and Transformers	1911	1	1	Armour Institute of Technology		yes
System of Automatic Train Control	1911	1	1	Armour Institute of Technology		yes
Test of a Delavergne Oil Engine	1911	1	1	Armour Institute of Technology		yes
Test of a Potassium Chlorate Signal Cell	1911	1	1	Armour Institute of Technology		yes
Tests on Enameled Wire	1911	1	1	Armour Institute of Technology		yes
Time Factor in the Operation of Dry Pipe Sprinkler System	1911	1	1	Armour Institute of Technology		yes
Utility of Pyrometer on Carburetted Water Gas Machines	1911	1	1	Armour Institute of Technology		yes

Title	Publication Year	# of Volumes	Edition	Publisher	OCLC #	Checked OCA site yes/no
Waterproofing of Concrete by Addition of Commercial Compounds	1911	1	1	Armour Institute of Technology		yes
Aperiodic Motion of a Suspended Magnet	1912	1	1	Armour Institute of Technology		yes
Bleaching Cotton-Seed oil with American Fullers Earth	1912	1	1	Armour Institute of Technology		yes
Chemical Analysis of Engineering Alloys	1912	1	1	Armour Institute of Technology		yes
Comparative Investigation of Different Systems of Interior Lighting	1912	1	1	Armour Institute of Technology		yes
Comparative Tests of a Boucherot Induction Motor	1912	1	1	Armour Institute of Technology		yes
Complete Design of a Reinforced Concrete Street-Crossing for Track Elevation	1912	1	1	Armour Institute of Technology		yes
Design of a 120 Foot Steel Spandrel Two Hinged Arch Railroad Bridge	1912	1	1	Armour Institute of Technology		yes
Design of a Reinforced Concrete arch Rib Bridge for railroad Traffic	1912	1	1	Armour Institute of Technology		yes
Design of a Separate Sewer System and Disposal Plant for the town of Arlington Heights, Illinois	1912	1	1	Armour Institute of Technology		yes
Design of a Standard Reinforced Concrete Railway Trestle	1912	1	1	Armour Institute of Technology		yes
Design of Electric Locomotive for C. B. & Q. R. R.	1912	1	1	Armour Institute of Technology		yes
Design of the Steel Skelton for an Office Building	1912	1	1	Armour Institute of Technology		yes
Determination of the Poer Required for the Operation of the Types of Electric Switches and Signals in Use at the Chicago Terminal of the Chicago and Northwestern Railway	1912	1	1	Armour Institute of Technology		yes
Economy Tests of 40 H. P. Automobile Engine including Construction and Operation of Manograph	1912	1	1	Armour Institute of Technology		yes
Effect of Frost on Concrete	1912	1	1	Armour Institute of Technology		yes
Efficiency Test of a 40 Horsepower Halladay Motor Car	1912	1	1	Armour Institute of Technology		yes

Title	Publication Year	# of Volumes	Edition	Publisher	OCLC #	Checked OCA site yes/no
Electrical Energy for a Modern Hotel	1912	1	1	Armour Institute of Technology		yes
Experimental Determination of the Properties of the "Gugler Primary Battery"	1912	1	1	Armour Institute of Technology		yes
Experimental Work on the Reduction of Cottonseed Oil	1912	1	1	Armour Institute of Technology		yes
Heat Transmission in a Vacuum Evaporator	1912	1	1	Armour Institute of Technology		yes
Hydro-Electric Power Development on the Tallapoosa River in Alabama	1912	1	1	Armour Institute of Technology		yes
Investigation of Pitot's Tubes as a Watermeter	1912	1	1	Armour Institute of Technology		yes
Investigation of the Flow of Air in Pipes	1912	1	1	Armour Institute of Technology		yes
Investigation of the Relative Stability of Vertical Back and Battered Back Dam Sections	1912	1	1	Armour Institute of Technology		yes
Manufacture of Pure Cider Vinegar in the United States	1912	1	1	Armour Institute of Technology		yes
Production of Alcohol from Whiskey Slop	1912	1	1	Armour Institute of Technology		yes
Proposed Electrification of the Chicago Terminal Chicago, Burlington and Quincy Railroad	1912	1	1	Armour Institute of Technology		yes
Proposed Hydro-Electric Development on North Platte River Wyoming	1912	1	1	Armour Institute of Technology		yes
Rehabilitation of the Municipal Electrical Lighting Systems at Downers Grove, Ill.	1912	1	1	Armour Institute of Technology		yes
Renewal of the Milwaukee Avenue Viaduct	1912	1	1	Armour Institute of Technology		yes
Single Leaf, Double Track Trunion Bascule Bridge for Interurban Electric Cars	1912	1	1	Armour Institute of Technology		yes
Some Experiments on Heat Transmission	1912	1	1	Armour Institute of Technology		yes
Study of the Transmission of Heat through tile and Concrete Fireproofing	1912	1	1	Armour Institute of Technology		yes
Test of a Three Ton Refrigerating Plant	1912	1	1	Armour Institute of Technology		yes
Test on the Gravity Cell	1912	1	1	Armour Institute of Technology		yes

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Transmission of Niagara Falls Power to Chicago	1912	1	1	Armour Institute of Technology		yes
Analysis of Murgue's Theory	1913	1	1	Armour Institute of Technology		yes
Attempt to Refine Copper through a Cuprous Electrolyte	1913	1	1	Armour Institute of Technology		yes
Baking Test as Commercially applied to Wheat & Flour	1913	1	1	Armour Institute of Technology		yes
Construction and Comparative Test of a Four Cycle Gasoline Engine Arranged to Operate...	1913	1	1	Armour Institute of Technology		yes
Design of a Combined Sewer System for the Village of Peotone Will County Illinois	1913	1	1	Armour Institute of Technology		yes
Design of a Concrete Elevator	1913	1	1	Armour Institute of Technology		yes
Design of a Highway Suspension Bridge across the La Grasse River at Massena Center, St. Lawrence County, N.Y.	1913	1	1	Armour Institute of Technology		yes
Design of a Power Plant for Interurban Railway capacity 16000 K.V.A.	1913	1	1	Armour Institute of Technology		yes
Design of a Proposed Hydroelectric Development on the Des Plaines River at Dresden Heights, Ill	1913	1	1	Armour Institute of Technology		yes
Design of a Reinforced Concrete Brick Plant Capacity 60,000 to 80,000 Brick Daily	1913	1	1	Armour Institute of Technology		yes
Design of a Sanitary Sewer System for the town of Glen Ellyn Illinois	1913	1	1	Armour Institute of Technology		yes
Design of Proposed Hydroelectric Power Plant at Box Canyon, Idaho	1913	1	1	Armour Institute of Technology		yes
Designs and Plans for a Four Story Reinforced Concrete Light Manufacturing Building 100' - 0" x 150' - 0"	1913	1	1	Armour Institute of Technology		yes
Details of Construction with Results of Tests of an American Type of Locomobile	1913	1	1	Armour Institute of Technology		yes

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Determination of Distribution Curves of Arc Lamps and Indirect Lighting Units	1913	1	1	Armour Institute of Technology		yes
Economical Banking of Fires with a Green Chain Grate Stoker	1913	1	1	Armour Institute of Technology		yes
Effect of the Drawing Temperature on the Physical Properties of Some Special Steels	1913	1	1	Armour Institute of Technology		yes
Effect of the Stratification of Gases in a Gas Engine	1913	1	1	Armour Institute of Technology		yes
Electrolytic Preparation of Potassium Chloride: With TesNickel-Chromium Electrode	1913	1	1	Armour Institute of Technology		yes
Elements of Carburetion	1913	1	1	Armour Institute of Technology		yes
Engineering Analysis of Chinese Coal	1913	1	1	Armour Institute of Technology		yes
Estimate Cost of a Concrete Building	1913	1	1	Armour Institute of Technology		yes
Fatigue Test of Commercial Wires	1913	1	1	Armour Institute of Technology		yes
Friction Tests of Lubricating Oils Influence of Rate of Flows	1913	1	1	Armour Institute of Technology		yes
Heat Transmission through Insulating Materials	1913	1	1	Armour Institute of Technology		yes
Influence of Weight of Governor Balls on the Speed and Economy of a Simple Corliss Engine	1913	1	1	Armour Institute of Technology		yes
Installation and test of a Three-Ton York Refrigerating Plant	1913	1	1	Armour Institute of Technology		yes
Investigation of the Effects of Heat Treatment Upon Some of the Physical Properties of Two Chrome-Vanadium Steels	1913	1	1	Armour Institute of Technology		yes
Magnetic Testing and Design	1913	1	1	Armour Institute of Technology		yes
Modern Bituminous Roads and Pavements	1913	1	1	Armour Institute of Technology		yes
Proposed Hydro-electric Development at French mills, N.Y.	1913	1	1	Armour Institute of Technology		yes

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Proposed Hydro-Electric Development on the west branch of the Penobscot River in Maine	1913	1	1	Armour Institute of Technology		yes
Proposed Three Span Arch Subway of the C.M. & St. P. RY	1913	1	1	Armour Institute of Technology		yes
Proposed Washington Street Pavement Waukegan, Illinois	1913	1	1	Armour Institute of Technology		yes
Recovery of Wax and other By-Products from Bagasse	1913	1	1	Armour Institute of Technology		yes
Reinforced Concrete Chimney 150' - 0" x 6' - 6" Pennsylvania Lines West of Pittsburgh at Indianapolis, Ind.	1913	1	1	Armour Institute of Technology		yes
Relative Hazards of Nitrates and Chlorates	1913	1	1	Armour Institute of Technology		yes
Relative Strengths of Spiral Reinforced Concrete Columns	1913	1	1	Armour Institute of Technology		yes
Resilience Tests of Automobile Tires Under Commercial Conditions of Operation	1913	1	1	Armour Institute of Technology		yes
Rotary Kiln applied to Calcination of Phosphates	1913	1	1	Armour Institute of Technology		yes
Test of a 25 H. P. Type "E" Smith Anthracite Suction Gas Producer	1913	1	1	Armour Institute of Technology		yes
Test of a 40 H. P. Halladay Chassis	1913	1	1	Armour Institute of Technology		yes
Test of a New Method for the Fixation of Atmospheric Nitrogen	1913	1	1	Armour Institute of Technology		yes
Yield of Acetic Acid as Influenced by Temperature in Wood Distillation	1913	1	1	Armour Institute of Technology		yes
1200 Volt System for the Elgin & Belvidere, RY	1914	1	1	Armour Institute of Technology		yes
Cementing Value of Bituminous Binders	1914	1	1	Armour Institute of Technology		yes
Design and Construction of an Auto-Traction dynamometer for Automobile Chassis	1914	1	1	Armour Institute of Technology		yes

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Design and estimate of Cost of steel Superstructure and Concrete Superstructure of a River Crossing for Highway Traffic	1914	1	1	Armour Institute of Technology		yes
Design and Estimated Weight of a Cantilever Bridge	1914	1	1	Armour Institute of Technology		yes
Design of a 13,500 K.W. Steam-Turbo-Electric Power Plant	1914	1	1	Armour Institute of Technology		yes
Design of a Mechanical Filtration Plant for Waukegan, Illinois	1914	1	1	Armour Institute of Technology		yes
Design of a Sanitary Sewer System for the City of Rushville, Schuyler County, Illinois	1914	1	1	Armour Institute of Technology		yes
Design of a Sewage Disposal Plant for Waukegan, Illinois	1914	1	1	Armour Institute of Technology		yes
Design of Hydroelectric Plant on Mississippi River, Moline Illinois	1914	1	1	Armour Institute of Technology		yes
Design of the Peoria – Galesburg Electric RY.	1914	1	1	Armour Institute of Technology		yes
Economy and Capacity Test of a Three Ton York Ice Plant	1914	1	1	Armour Institute of Technology		yes
Effect of adding Spiral Reinforcing to Vertically Reinforced Concrete columns	1914	1	1	Armour Institute of Technology		yes
Effect of adding Spiral Reinforcing to Vertically Reinforced Concrete columns	1914	1	1	Armour Institute of Technology		yes
Efficiency and Capacity Tests of a Small Gasoline-Electric Set	1914	1	1	Armour Institute of Technology		yes
Efficiency of Heat Transmission in a Vacuum Evaporator	1914	1	1	Armour Institute of Technology		yes
Efficiency of Reflectors with the Use of the Globe Photometer	1914	1	1	Armour Institute of Technology		yes
Electrification Project of the Chicago Suburban Service of the Chicago, Burlington & Quincy R. R.	1914	1	1	Armour Institute of Technology		yes
Fire Extinguishers for Automobiles	1914	1	1	Armour Institute of Technology		yes

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Heat Treatment of Chrome Tungsten High Speed Tool Steels	1914	1	1	Armour Institute of Technology		yes
Influence of Valve Setting on Efficiency and Capacity of a 25 Horse Power International Harvester Company Gasoline Engine	1914	1	1	Armour Institute of Technology		yes
Installation and Operation of 100 Horse Power Sprague Electro-Dynamometer Including Tests of 40 Horse Power 4 Cylinder Tee Head Teetor Motor	1914	1	1	Armour Institute of Technology		yes
Installation of an Electric Lighting System in the village of Norwalk, Wis.	1914	1	1	Armour Institute of Technology		yes
Manufacture and Uses of Steel Pipes	1914	1	1	Armour Institute of Technology		yes
Measurement of Capacity in Transmission Lines and Cables	1914	1	1	Armour Institute of Technology		yes
Networks with Variable Resistance	1914	1	1	Armour Institute of Technology		yes
New Method for the Determination of Total Fatty Matter in Soaps	1914	1	1	Armour Institute of Technology		yes
Pasteurization of Milk by the use of Ozone	1914	1	1	Armour Institute of Technology		yes
Proposed Electrification of the Milwaukee Branch Chicago & Northwestern Railway	1914	1	1	Armour Institute of Technology		yes
Proposed Hydro-Electrical Development on the Columbia River at Dalles, Oregon	1914	1	1	Armour Institute of Technology		yes
Street Pavement for Rushville, Illinois	1914	1	1	Armour Institute of Technology		yes
Study of the "Cracking" of Petroleum	1914	1	1	Armour Institute of Technology		yes
Technical Study of the Solids of Skimmed Milk	1914	1	1	Armour Institute of Technology		yes
Test of a Pneumatic Ash Handling System	1914	1	1	Armour Institute of Technology		yes
Titration of Iron by Potassium Permanganate	1914	1	1	Armour Institute of Technology		yes
Utilization of Sunflower Stalks in Paper Manufacture	1914	1	1	Armour Institute of Technology		yes

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8,000 K.W. Turbo-Electric Power Station Design	1915	1	1	Armour Institute of Technology		yes
Calibration test of Electric Water Meter	1915	1	1	Armour Institute of Technology		yes
Concrete Flat Slab Design According to Chicago Building Department Ruling	1915	1	1	Armour Institute of Technology		yes
Design and Application of Apparatus for Determining the Distribution of Water from Automatic Sprinkler Heads	1915	1	1	Armour Institute of Technology		yes
Design and Construction of A Horse Power Meter and Rear Wheel Dynamometer as Applied to a 40 H.P. Halladay Chassis	1915	1	1	Armour Institute of Technology		yes
Design and Estimate of Approximate Cost of a Sanitary Sewer System for the Village of Barrington, Cook and Lake Counties, Illinois	1915	1	1	Armour Institute of Technology		yes
Design for the Hocking Valley Power Project	1915	1	1	Armour Institute of Technology		yes
Design of a Coal Yard of Concrete Construction	1915	1	1	Armour Institute of Technology		yes
Design of a Reinforced Concrete Freight and Recreation Pier	1915	1	1	Armour Institute of Technology		yes
Design of a Sanitary Sewerage System and Disposal Plant for the Village of Crete, Illinois	1915	1	1	Armour Institute of Technology		yes
Design of a Steam Power Plant	1915	1	1	Armour Institute of Technology		yes
Design of a Transmission Line. Johnstown Transmission Line of the East Creek Electric Light and Power Company, New York.	1915	1	1	Armour Institute of Technology		yes
Design of An Exhaust Gas Calorimeter for Automobile Engines	1915	1	1	Armour Institute of Technology		yes
Design of an Industrial Town on Black Lake, Michigan	1915	1	1	Armour Institute of Technology		yes
Design of Reinforced Concrete Arch Highway Bridge	1915	1	1	Armour Institute of Technology		yes

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Design, Construction and Tests of Multi-Vane Blower Impellers	1915	1	1	Armour Institute of Technology		yes
Design, Installation and Operation of Cams for the Valve-Gear of a Three-Cylinder, 8 x 10 IN. Westinghouse Gas Engine	1915	1	1	Armour Institute of Technology		yes
Determination of Automobile Performance By Means of the Wimperis Accelerometer	1915	1	1	Armour Institute of Technology		yes
Efficiency and Capacity Tests of a Small Absorption Refrigerating Machine	1915	1	1	Armour Institute of Technology		yes
Efficiency of Heat Transmission in a Vacuum Evaporator	1915	1	1	Armour Institute of Technology		yes
Glycerol and Spent Lye Clarification	1915	1	1	Armour Institute of Technology		yes
Highway Improvement in the State of Illinois	1915	1	1	Armour Institute of Technology		yes
Indirect Illumination with Nitrogen – Filled Lamps	1915	1	1	Armour Institute of Technology		yes
Influence of Suction Pressure on the Capacity and Economy of a Six-Cylinder Packard Engine	1915	1	1	Armour Institute of Technology		yes
Location of Carhouses	1915	1	1	Armour Institute of Technology		yes
Micro Structure of Certain High-Speed Steels	1915	1	1	Armour Institute of Technology		yes
Neutralization of Cotton-Seed Oil for Edible Purposes	1915	1	1	Armour Institute of Technology		yes
Oil Fires in Oklahoma and Texas	1915	1	1	Armour Institute of Technology		yes
Paving the Business Section of Tama, Iowa with Vitrified Brick	1915	1	1	Armour Institute of Technology		yes
Preparation of Thoria	1915	1	1	Armour Institute of Technology		yes
Production of Magnesium by the Electrolysis of the Fused Salts	1915	1	1	Armour Institute of Technology		yes
Relation between rate of Combustion and Draft Pressure for a Chain-Grate Stoker applied to a 350 H.P. Sterling Boiler	1915	1	1	Armour Institute of Technology		yes

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Sanitation on the Isthmus of Panama During the Constructive Period	1915	1	1	Armour Institute of Technology		yes
Sanitary District of Chicago. History Purposes Projects	1915	1	1	Armour Institute of Technology		yes
Study and Design of Spray Nozzles as Applied to the De La Vergne Oil Engine	1915	1	1	Armour Institute of Technology		yes
Study of Electric Rates and Ratemaking	1915	1	1	Armour Institute of Technology		yes
Study of the Corrosion of Locomotive Boiler Tubes	1915	1	1	Armour Institute of Technology		yes
Study of the Effects Produced on Portland Cement by the Addition of Various Percentages of Hydrated Lime	1915	1	1	Armour Institute of Technology		yes
Thermal Conductivity of Various Forms of Tile and Their Value as Fireproofing Materials	1915	1	1	Armour Institute of Technology		yes
Broman Steam Separating and Water Circulating Device	1916	1	1	Armour Institute of Technology		yes
By-Products from Wool-Washing	1916	1	1	Armour Institute of Technology		yes
Capacity and Efficiency test of an Autovacuum Refrigerating Machine	1916	1	1	Armour Institute of Technology		yes
Characteristics of and Influence of Environment of a Fan Dynamometer	1916	1	1	Armour Institute of Technology		yes
Design and Tests of Solid Aeroplane Wire Connections	1916	1	1	Armour Institute of Technology		yes
Design of a 5000 K.W. Isolated Industrial Power Plant	1916	1	1	Armour Institute of Technology		yes
Design of a 5000 K.W. Isolated Steam Power Plant to be more Economical than Central Station Service for a Proposed New York Harbor Manufacturing Concern	1916	1	1	Armour Institute of Technology		yes
Design of a Hollow Dam and Hydro-Electric Plant at French's Mills, New York	1916	1	1	Armour Institute of Technology		yes
Design of a Water System and Two Main Line Sanitary Sewers for the Town of West Asheville, North Carolina	1916	1	1	Armour Institute of Technology		yes

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Design of Sewerage System for Huntley, Mont.	1916	1	1	Armour Institute of Technology		yes
Design, Construction and Operation of a Horse Power Meter as applied to a Rear Wheel Dynamometer for Testing Automobiles	1916	1	1	Armour Institute of Technology		yes
Design, Construction, and Calibration of Apparatus for Measuring Thermal Conductivity of Heat Insulating Materials	1916	1	1	Armour Institute of Technology		yes
Determination of the Water Rates of Small Engines by Clayton's Method	1916	1	1	Armour Institute of Technology		yes
Direct Lift-Bridge Over the Outlet of Black Lake Near Holland, Mich.	1916	1	1	Armour Institute of Technology		yes
Drip Oil Distillates Boiling Point Above 110° Centigrade	1916	1	1	Armour Institute of Technology		yes
Electrification Work of the Chicago, Milwaukee & St. Paul Railway From Harlowtown, Montana to Avery, Idaho	1916	1	1	Armour Institute of Technology		yes
Floor Distribution of Water from Automatic Sprinkler Heads	1916	1	1	Armour Institute of Technology		yes
Gasoline Characteristics	1916	1	1	Armour Institute of Technology		yes
Heat Resistance of Inner Arc Lamp Globes	1916	1	1	Armour Institute of Technology		yes
Inertia Effect on 4" Alarm Valve	1916	1	1	Armour Institute of Technology		yes
Investigation of the Various Properties of Sand as Affecting its use in Concrete and Mortar	1916	1	1	Armour Institute of Technology		yes
Pavements for the Wassel & Bramberg Austin Subdivision of Chicago, Ills.	1916	1	1	Armour Institute of Technology		yes
Practical Design of a Steel Skeleton Office Building With a Detailed Consideration of the Caisson Type of Foundation	1916	1	1	Armour Institute of Technology		yes
Process for the Production of Soluble Potash from Insoluble Igneous Rock	1916	1	1	Armour Institute of Technology		yes

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Proposed Danville – Terre Haute Interurban Railway	1916	1	1	Armour Institute of Technology		yes
Proposed Hydroelectric Development on the West Branch of the Penobscot River, Maine	1916	1	1	Armour Institute of Technology		yes
Proposed System of Electrification for the Chicago – St. Louis Branch of the I. C. R. R. Co.	1916	1	1	Armour Institute of Technology		yes
Some Features of a Modern Overhead Distributing System	1916	1	1	Armour Institute of Technology		yes
Stresses in Riveted Joints	1916	1	1	Armour Institute of Technology		yes
Study and Test of a Boiler Efficiency Indicator	1916	1	1	Armour Institute of Technology		yes
Study of Anti-Friction Lineshaft Bearings	1916	1	1	Armour Institute of Technology		yes
Study of Motor Cycle Engine Characteristics	1916	1	1	Armour Institute of Technology		yes
Study of the Effect of Temperature and Pressure on the Carbonation of Water	1916	1	1	Armour Institute of Technology		yes
Study of the Retardation of Combustion on Passing Thru Wire Screens Placed in a Closed Pipe	1916	1	1	Armour Institute of Technology		yes
Tests of a Mechanical Rectifier	1916	1	1	Armour Institute of Technology		yes
Automatic Temperature Control in Buildings	1917	1	1	Armour Institute of Technology		yes
Building the Iowa Industrial Reformatory for Females	1917	1	1	Armour Institute of Technology		yes
By-Products from Garbage	1917	1	1	Armour Institute of Technology		yes
Closed Nozzle Tests of a Forty Gallon Chemical Extinguisher	1917	1	1	Armour Institute of Technology		yes
Construction of Substructure of Mayfair Pumping Station City of Chicago	1917	1	1	Armour Institute of Technology		yes
Conversion Tables for Various Viscosimeters Using the Saybolt Universal Viscosimeter as the Standard	1917	1	1	Armour Institute of Technology		yes
Design and Cost of a Highway Reconstruction	1917	1	1	Armour Institute of Technology		yes

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Design of a 15,000 H.P. Hydro-Electric Development on East Canada Creek , Near East Creek, N.Y.	1917	1	1	Armour Institute of Technology		yes
Design of a 20,000 H.P. Hydro-Electric Development on the Genesee River at Portage, N.Y.	1917	1	1	Armour Institute of Technology		yes
Design of a 70 Foot Thru Plate Girder Railroad Bridge	1917	1	1	Armour Institute of Technology		yes
Design of a Municipal Bathing Beach	1917	1	1	Armour Institute of Technology		yes
Design of a Sanitary Sewer System and Disposal Plant for the Village of Crete, Ill.	1917	1	1	Armour Institute of Technology		yes
Design of a Tractor for Farm and Road Work	1917	1	1	Armour Institute of Technology		yes
Design of a True-Sine Wave Generator	1917	1	1	Armour Institute of Technology		yes
Design of a Water Supply System for Park Ridge, Ill.	1917	1	1	Armour Institute of Technology		yes
Design-Study of a 10 H.P., High Duty, Stationary Gas Engine	1917	1	1	Armour Institute of Technology		yes
Determination of Current Ratio and Phase Angle of Current Transformers	1917	1	1	Armour Institute of Technology		yes
Development and Design of Mill Constructed Buildings	1917	1	1	Armour Institute of Technology		yes
Development of a Hydraulic Dynamometer	1917	1	1	Armour Institute of Technology		yes
Economy Analysis of Automobile Engines by a New Method	1917	1	1	Armour Institute of Technology		yes
Electro Magnets as Applied to Motor Control	1917	1	1	Armour Institute of Technology		yes
Elimination of a Grade Crossing at Downers Grove, Ill	1917	1	1	Armour Institute of Technology		yes
Engineering Aspects of the Manufacture of Edible Pastes	1917	1	1	Armour Institute of Technology		yes
Experimental Study of an Illuminometer	1917	1	1	Armour Institute of Technology		yes
Floor Distribution of Standard Automatic Sprinkler Heads	1917	1	1	Armour Institute of Technology		yes
Hazards of Grain Elevators	1917	1	1	Armour Institute of Technology		yes

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Industrial Illumination	1917	1	1	Armour Institute of Technology		yes
Investigation of the Service Record and Explosion Hazard of Chemical Fire Extinguishers	1917	1	1	Armour Institute of Technology		yes
Low Temperature Distillation of a Wyoming Coal	1917	1	1	Armour Institute of Technology		yes
Manufacture of Salicylic Acid	1917	1	1	Armour Institute of Technology		yes
Measurement of the Flow of Water By Salinity and Coloration Methods	1917	1	1	Armour Institute of Technology		yes
Mechanical Course for High Schools	1917	1	1	Armour Institute of Technology		yes
Morkrum System of Printing Telegraphy	1917	1	1	Armour Institute of Technology		yes
Physical Properties and Tests of Lubricating Oils	1917	1	1	Armour Institute of Technology		yes
Power Consumption of Machine Tools	1917	1	1	Armour Institute of Technology		yes
Power Consumption Tests of a Bascule Bridge	1917	1	1	Armour Institute of Technology		yes
Production of Metal	1917	1	1	Armour Institute of Technology		yes
Production of Picric Acid from Monochlorbenzol	1917	1	1	Armour Institute of Technology		yes
Production of Salol From Phenol	1917	1	1	Armour Institute of Technology		yes
Production of Vegetable Casein	1917	1	1	Armour Institute of Technology		yes
Retardation of Combustion through Wire Screens in Closed Pipes	1917	1	1	Armour Institute of Technology		yes
Study of an Air Washer	1917	1	1	Armour Institute of Technology		yes
Test of a Commutating Rectifier	1917	1	1	Armour Institute of Technology		yes
Test of a Delco Lighting Plant	1917	1	1	Armour Institute of Technology		yes
The Manufacture of Acetphenetidin from Phenol	1917	1	1	Armour Institute of Technology		yes
Thermal Conductivity	1917	1	1	Armour Institute of Technology		yes
Thermostatic Control of Electric Heating Appliances	1917	1	1	Armour Institute of Technology		yes

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Treatment of Stock Yard's Sewage by the Activated Sludge Process	1917	1	1	Armour Institute of Technology		yes
Coke Breeze Briquetting	1918	1	1	Armour Institute of Technology		yes
Cost of Power in Japan [100 00 K.W. Steam, Gas and Hydro-Electric Plants]	1918	1	1	Armour Institute of Technology		yes
Design and Installation of a Complete Fire Alarm and Night Service System for an Industrial Plant	1918	1	1	Armour Institute of Technology		yes
Design of a Reservoir for An Army Cantonment of 40,000 Men	1918	1	1	Armour Institute of Technology		yes
Design, Construction and Test of a Steam Air Ejector	1918	1	1	Armour Institute of Technology		yes
Desposition of Zinc on Steel	1918	1	1	Armour Institute of Technology		yes
Development and use of Structural Gypsum	1918	1	1	Armour Institute of Technology		yes
Distribution of Water from Open Sprinklers on Ridge Poles	1918	1	1	Armour Institute of Technology		yes
Humidifying Air in Living Rooms by Attachments to the Steam	1918	1	1	Armour Institute of Technology		yes
Installation and Operation of Boiler Control Apparatus	1918	1	1	Armour Institute of Technology		yes
Investigation of the Actual Stresses in Stirrups of Reinforced Concrete T-Beams	1918	1	1	Armour Institute of Technology		yes
Machine Hour Rate Method of Distribution of Factory Indirect Expense	1918	1	1	Armour Institute of Technology		yes
Methods for the Oxidation of Potassium Manganate	1918	1	1	Armour Institute of Technology		yes
Motive Power and Distribution Charges of a Packing Plant	1918	1	1	Armour Institute of Technology		yes
Observations on the Relation Between the Chromium Content and the Hardening Temperature of Chrome Magnet Steel	1918	1	1	Armour Institute of Technology		yes
Operation Characteristics of a Forty Gallon Chemical Fire Engine	1918	1	1	Armour Institute of Technology		yes
Original Report to Lakeworth Inlet District	1918	1	1	Armour Institute of Technology		yes

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Power Consumption Tests of a Double Deck Bascule Bridge	1918	1	1	Armour Institute of Technology		yes
Reconstruction of a Thrust Bearing for a 75 C.F.S. Centrifugal Sewage Pumping Unit	1918	1	1	Armour Institute of Technology		yes
Study of a Selenium Cell	1918	1	1	Armour Institute of Technology		yes
Study of the production of Resorcin	1918	1	1	Armour Institute of Technology		yes
Advanced Dynamo Laboratory Experiments	1919	1	1	Armour Institute of Technology		yes
Coefficient of Friction of Ball Bearings and Horse Power To Drive	1919	1	1	Armour Institute of Technology		yes
Design and Installation of Power Plant and Heating System for the Zone of Camp Activities and Amusements, Camp Funston, Kansas	1919	1	1	Armour Institute of Technology		yes
Design of a Sanitary Sewerage System and Disposal Plant for Homewood, Illinois	1919	1	1	Armour Institute of Technology		yes
Determination of Benzene in Petroleum Distillates	1919	1	1	Armour Institute of Technology		yes
Drossing of Zinc in Galvanizing Pans	1919	1	1	Armour Institute of Technology		yes
Effect of Initial and Exhaust Pressures of the Economy of a Simple High-Speed Engine	1919	1	1	Armour Institute of Technology		yes
Extraction of Potash Alum from Alunite	1919	1	1	Armour Institute of Technology		yes
Extraction of Protein from Soy Bean	1919	1	1	Armour Institute of Technology		yes
Fixation of Atmospheric Nitrogen	1919	1	1	Armour Institute of Technology		yes
Hydrogenation of Coal Tar and Coal Tar Oils	1919	1	1	Armour Institute of Technology		yes
Investigation of 20 Gallon Chemical Fire Extinguishers	1919	1	1	Armour Institute of Technology		yes
Investigation of the Chemical Literature	1919	1	1	Armour Institute of Technology		yes
Preparation of Aluminum Nitride	1919	1	1	Armour Institute of Technology		yes
Preparation of Benzoic Acid by Oxidation of Toluol	1919	1	1	Armour Institute of Technology		yes

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Preparation of Salicylic Acid from Phenol	1919	1	1	Armour Institute of Technology		yes
Preparation of Salicylic Aldehyde	1919	1	1	Armour Institute of Technology		yes
Representation of Automobile engine Economy Performance by Surfaces	1919	1	1	Armour Institute of Technology		yes
Researches in Radio Telephony	1919	1	1	Armour Institute of Technology		yes
Researches on Water Resistant Glues	1919	1	1	Armour Institute of Technology		yes
Separation of Mixed Potassium Salts	1919	1	1	Armour Institute of Technology		yes
Steam Jet Ash Conveyors	1919	1	1	Armour Institute of Technology		yes
Synthetic Manufacture of Phenol	1919	1	1	Armour Institute of Technology		yes
System of Multiplex Telephony by the Use of Vacuum Tubes	1919	1	1	Armour Institute of Technology		yes
Tests on a Martin Rotary Converter	1919	1	1	Armour Institute of Technology		yes
Transmission Efficiencies of Belting	1919	1	1	Armour Institute of Technology		yes
Automobile Headlight Lenses	1920	1	1	Armour Institute of Technology		yes
Building and Operating a Cider Vinegar Plant	1920	1	1	Armour Institute of Technology		yes
Chicago Union Stock Yards an Insurance Review	1920	1	1	Armour Institute of Technology		yes
Collective Data on the Treatment of Sewage by the Activated Sludge Process	1920	1	1	Armour Institute of Technology		yes
Commercial Oxidation of Geraniol to Geranial	1920	1	1	Armour Institute of Technology		yes
Construction and Re-Design of a 10-HP Heavy Duty Gas Engine	1920	1	1	Armour Institute of Technology		yes
Convertor Steel Foundry	1920	1	1	Armour Institute of Technology		yes
Crystallization of Potassium Manganate	1920	1	1	Armour Institute of Technology		yes
Design and Construction of a Radio Station for the Armour Institute of Technology	1920	1	1	Armour Institute of Technology		yes
Design and Cost of A 24 Foot Concrete Pavement for Skokie Road, Glencoe, Illinois	1920	1	1	Armour Institute of Technology		yes

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Design of a 15,500 KW Generating Station with a 2,000 KW D.C. Railway Substation	1920	1	1	Armour Institute of Technology		yes
Design of a 20,000 K.V.A. Transformer	1920	1	1	Armour Institute of Technology		yes
Design of a 200 Horsepower Aeronautical Engine	1920	1	1	Armour Institute of Technology		yes
Design of a 750-K.V.A. Turbo-Alternator	1920	1	1	Armour Institute of Technology		yes
Design of a Cellular Reinforced Concrete Dam for the Kensico Reservoir of the New York Catskill Mt. Water Supply	1920	1	1	Armour Institute of Technology		yes
Design of a Foam Fire Extinguisher System	1920	1	1	Armour Institute of Technology		yes
Design of a Single-Phase Induction Motor	1920	1	1	Armour Institute of Technology		yes
Determination of Benzene and its Derivatives in Admixtures with Paraffin Hydrocarbons	1920	1	1	Armour Institute of Technology		yes
Electrification of Illinois Central Railroad Terminal	1920	1	1	Armour Institute of Technology		yes
Fire Extinguishing Efficiency of Chemical Fire Extinguishers of Soda and Acid Type	1920	1	1	Armour Institute of Technology		yes
Flow of Heat Through Pipe Covering	1920	1	1	Armour Institute of Technology		yes
Heat Balance of a Hivid Engine	1920	1	1	Armour Institute of Technology		yes
Investigation Into the Effect of Extreme Temperatures on the Tensile Properties of Steels	1920	1	1	Armour Institute of Technology		yes
Investigation of the Design of Apparatus for the Measurement of Automatic Sprinkler Distribution	1920	1	1	Armour Institute of Technology		yes
Investigation of the Flow of Liquid Fuel Through Orifices	1920	1	1	Armour Institute of Technology		yes
Method of Measuring Earth Pressures on Vertical and Inclined Retaining Walls	1920	1	1	Armour Institute of Technology		yes
New Thermo-Electric Fluid-Meter and Hot-Wire Anemometer	1920	1	1	Armour Institute of Technology		yes

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Oxidation of O-Nitrotoluene to O-Nitrobenzoic Acid	1920	1	1	Armour Institute of Technology		yes
Performance and Efficiency Test of a Harrington Chain Grate Stoker	1920	1	1	Armour Institute of Technology		yes
Practical Aspect of the Slope Deflection Method and Its Application to the Design of the Roosevelt Road Viaduct	1920	1	1	Armour Institute of Technology		yes
Practical Problem in Factory Building Design and Construction	1920	1	1	Armour Institute of Technology		yes
Preparation of Anthrarufine	1920	1	1	Armour Institute of Technology		yes
Preparation of Zinc Nitride and Its Alloy with Zinc	1920	1	1	Armour Institute of Technology		yes
Proposed Hydraulic Development at Bow Fort Falls, Alberta, Canada	1920	1	1	Armour Institute of Technology		yes
Representaiton of Automobile Engine Characteristics by Surfaces	1920	1	1	Armour Institute of Technology		yes
Secondary Stress in Bridges	1920	1	1	Armour Institute of Technology		yes
Shock Absorption of Automobile Tires	1920	1	1	Armour Institute of Technology		yes
Structural Considerations in the Design of Modern Abattoirs and Cold Storage Warehouses	1920	1	1	Armour Institute of Technology		yes
Structural Design of a Three Story Reinforced Concrete Cold Storage Building	1920	1	1	Armour Institute of Technology		yes
Study of Resorcinol Production	1920	1	1	Armour Institute of Technology		yes
Transients on Transmission Lines and Modern Protective Devices	1920	1	1	Armour Institute of Technology		yes
Absorption of Carbon Dioxide from Gas Mixtures Under Pressure	1921	1	1	Armour Institute of Technology		yes
Adaptability of Reinforced Concrete for Oil Storage Purposes, and the Design of a Reinforced Concrete Oil Storage Tank	1921	1	1	Armour Institute of Technology		yes
Application of Polarized Light to Resolution with the Compound Microscope	1921	1	1	Armour Institute of Technology		yes

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Automatic Control of Electric Flat Irons-Also Proposed Methods	1921	1	1	Armour Institute of Technology		yes
Commercial Illumination	1921	1	1	Armour Institute of Technology		yes
Comparative Designs of Gravity an Ambursen Dams	1921	1	1	Armour Institute of Technology		yes
Design and Construction of a Magnetic Absorption Dynamometer	1921	1	1	Armour Institute of Technology		yes
Design and Construction of a Radio Telephone Station	1921	1	1	Armour Institute of Technology		yes
Design and Cost Estimate of a 25,000 K.V.A. Generating System	1921	1	1	Armour Institute of Technology		yes
Design and Equipment of a Metallographic Polishing Machine	1921	1	1	Armour Institute of Technology		yes
Design and Test of an Electric Furnace Pyrometer	1921	1	1	Armour Institute of Technology		yes
Design and Test of an Electric Furnace Pyrometer	1921	1	1	Armour Institute of Technology		yes
Design and Test of an Hyperbolic Elbow Flow Meter	1921	1	1	Armour Institute of Technology		yes
Design of a 20,000 K.V.A. Generating Station	1921	1	1	Armour Institute of Technology		yes
Design of a Direct Reading Slip Meter	1921	1	1	Armour Institute of Technology		yes
Design of a Modern Materials Laboratory	1921	1	1	Armour Institute of Technology		yes
Design of a Reinforced Concrete Chimney	1921	1	1	Armour Institute of Technology		yes
Design of a Sand and Gravel Washing Plant	1921	1	1	Armour Institute of Technology		yes
Design of a Sewer and Water System for the Village of Kimberly, Wisconsin	1921	1	1	Armour Institute of Technology		yes
Design, Construction, and Operation of an Automobile Tire Shock Absorption Machine	1921	1	1	Armour Institute of Technology		yes
Determination of Benzene in Commercial Gasoline	1921	1	1	Armour Institute of Technology		yes
Effect of Quantity of Mixing Water on the Strength of Various Portland Cement mortars	1921	1	1	Armour Institute of Technology		yes
Electrostatic Precipitation of Soaps from Oils	1921	1	1	Armour Institute of Technology		yes

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Formation and Properties of Benzene Meta Di-Sulphonic Acid	1921	1	1	Armour Institute of Technology		yes
Formation of Aluminum Nitride	1921	1	1	Armour Institute of Technology		yes
Heat Transmission in Condenser Coils	1921	1	1	Armour Institute of Technology		yes
History of the Development of the Suspension Bridge	1921	1	1	Armour Institute of Technology		yes
Industrial Lighting Survey of the City of Chicago	1921	1	1	Armour Institute of Technology		yes
Investigations, with recommendations, of Power and Power Costs, in Plant No. 2, Falls Creek Sand and Stone Co.	1921	1	1	Armour Institute of Technology		yes
Performance of a Harrington Forced Draft Chain Grate Stoker	1921	1	1	Armour Institute of Technology		yes
Pitometer and Its Uses in Water Works Operation	1921	1	1	Armour Institute of Technology		yes
Proposed Design for the Hydraulic Laboratory for the Greater Armour Institute	1921	1	1	Armour Institute of Technology		yes
Proposed Design for the Refrigeration Laboratory for the Greater Armour Institute of Technology	1921	1	1	Armour Institute of Technology		yes
Proposed design of the Air Testing Laboratory for the Greater Armour Institute of Technology	1921	1	1	Armour Institute of Technology		yes
Proposed Design of the Steam Laboratory for the Greater Armour Institute of Technology	1921	1	1	Armour Institute of Technology		yes
Reduction of Ortho-Nitro-Benzoic Acid to Anthranilic Acid	1921	1	1	Armour Institute of Technology		yes
Relative Cost of Operating Steam and Electric Locomotives for Switchboard Purposes on the St. Paul Railway Tracks	1921	1	1	Armour Institute of Technology		yes
Secondary Stress in 112 Foot Railroad Pony Truss	1921	1	1	Armour Institute of Technology		yes
Study of the Building Problems of the Badger Basket Company, of Burlington, Wisconsin	1921	1	1	Armour Institute of Technology		yes

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Study of the Formation of Chromates	1921	1	1	Armour Institute of Technology		yes
Test of 2,500 K.V.A. Turbo-Generator	1921	1	1	Armour Institute of Technology		yes
Test of a No. 300 De Laval Oil Purifier and Clarifier	1921	1	1	Armour Institute of Technology		yes
Thermostatic Temperature Control for Gas Engine Jacket Water	1921	1	1	Armour Institute of Technology		yes
Zinc Nitride, Its Formation, Properties and Alloys	1921	1	1	Armour Institute of Technology		yes
Manufacture of 1:8 Amidonaphthol 3:6 Disulphonic Acid H	1922	1	1	Armour Institute of Technology		yes
Sanitary Sewer System for the city of La Paz, Boliva, S.A.	1923	1	1	Armour Institute of Technology		yes
Theory and Design of Tainter Gates as used for Regulation of Pond Levels	1923	1	1	Armour Institute of Technology		yes
Design and Construction of an Eight-Inch Pump Hydraulic Dredge	1924	1	1	Armour Institute of Technology		yes
Design and Construction of Stone-Filled Pile Breakwaters	1924	1	1	Armour Institute of Technology		yes
Design of Small Transformers	1924	1	1	Armour Institute of Technology		yes