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THE
INDUSTRIAL ARTS INDEX

FIFTH ANNUAL CUMULATION

SUBJECT INDEX TO A SELECTED LIST OF ENGINEERING
AND TRADE PERIODICALS FOR 1917

EDITED BY
CHARLOTTE G. NOYES AND
LOUISE D. TEICH

INDIANA UNIVERSITY
LIBRARY

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The Industrial Arts Index completes its fifth volume with this annual number. It began with a small list of about 45 magazines in 1913, the indexing and proofreading being done between the issues of the Cumulative Book Index. It was counted as knitting work—or whatever term may be used to denote the casual task now that knitting has become an absorbing occupation. The first annual number was a volume of 320 pages. The second annual volume contained over a hundred more pages than the first, new magazines having been added. The 1916 annual grew to 530 pages. The indexing was done by the editor of the Cumulative Book Index. Miss Louise Teich assumed the duties of general manager and guardian of the publication, seeing that it kept to the straight and narrow path of accuracy and consistency and common sense. This she has done from the beginning except for some months in 1917 when Mrs. Neltje Shimer, editor of the Agricultural Index, undertook the task temporarily as an accommodation. In the summer of 1915 Miss Helen Craig came from the United Engineering Societies Library to assist in the indexing of the magazines. After her resignation in May, 1917, Miss Charlotte Noves, who had been in the library of the General Electric Company, Schenectady, and later in the Reference catalog division of the New York Public Library, undertook the work and has been doing an increasingly large proportion of the indexing until now she is carrying it alone. Miss May Carpenter and Miss Emily Anderson also deserve grateful mention for faithful and accurate work in preparation of copy and other processes.

The magazines to be indexed were selected according to our usual plan, by a vote of subscribers. It must be admitted, however, that three magazines that were elected were not included because of the publishers' refusal to send copies for indexing. It has required patience and a good deal of correspondence to persuade the publishers that we are doing them a service in indexing their periodicals. We regret that Metal Industry is not indexed in this number, the publishers having taken us from their mailing list; and altho we have succeeded in overcoming their objections the back numbers of the periodical could not be procured in time for indexing in this volume. Several late numbers of Automobile are also lacking.

There have been constant appeals for more frequent issues and the indexing of more magazines, and the publishers of the Index have been perplexed as to how to give subscribers what they need and still put the publication on a paying basis. Our policy has been to keep up the quality of the work, that is to index thoroughly and to give great care to the accuracy of the references, rather than to extend the work by adding trade papers and printing more frequently. As to the indexing, also, it is difficult to have a consistent index at best, but it is almost impossible when subject headings are assigned by different persons. It makes for better service, therefore, if the publication is kept within a limit which makes it possible for one person to do all or practically all of the indexing. On the whole, it seems more serviceable to index the leading magazines carefully than to index a larger number superficially. The large libraries would no doubt prefer that a greater number of magazines should be included and only the longer articles listed, but the small library after paying out of its meager funds for the subscription to a periodical and binding and shelving naturally wants its contents completely indexed and has a right to expect it. The leading magazines moreover usually abstract the most important articles that have appeared in their several fields, including the foreign ones. The indexing of these abstracts therefore gives a key to all the important literature published in both American and foreign magazines on the subjects which the Industrial Arts Index covers. The publishers however are not content to rest without an effort to improve the service. It has seemed best for reasons already mentioned or implied to increase the frequency of issue rather than to increase materially at present the size of the Index. It is purposed, therefore, beginning with 1918, to publish the Industrial Arts Index ten times a year instead of five times and to cumulate according to the plan of the Readers' Guide. Any expression of opinion by our subscribers as to the usefulness of this plan will be carefully considered. It is purposed also to cumulate the annual volumes from 1913 to 1918 in a six-year cumulation to be published in 1919.

M. E. P.
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With the beginning of the new year, the American Lumberman will be added to the list of periodicals included in the Index. This is added in response to numerous requests from subscribers. The periodical is a weekly, published in Chicago. The subscription price is $4. A considerable part of the magazine is devoted to trade notes, brief accounts of association affairs, and news of temporary interest, but there are also long articles of lasting value. The number at hand contains the following articles: "Our Friend, the Building Loan Association," "Knowing Costs in a Planing Mill," "Evolution of Hardwoods," "Glazed Sash Costs," "Protecting the Bottoms of Wooden Ships."

Edward N. Hurley, vice-chairman of the Federal trade commission, has this to say on trade journals: "American business men do not realize the value which trade journals and technical magazines may be to them in increasing the efficiency of their factories and in giving them a broad and comprehensive view of their business. Many foreign manufacturers contribute articles to these journals on phases of the business with which they are most familiar. Such articles are bound to be helpful and have a constructive effect. Our trade journals and technical papers are the best in the world and they should be encouraged and supported by our business men. Copies should be placed where employees can see them and they should be urged to read and study them. These papers are preaching the gospel of sound business on practical lines and are helpful not only to business but to the country as a whole."

The Highway Contractor and Road Builder, a monthly publication of the New York State Road Builders' Association has been purchased by the E. L. Powers Co. and merged with Good Roads. The Highway Contractor was the official bulletin of the New York State Road Builders' Association, the Connecticut General Contractors Association, the Massachusetts Highway Association and the New Hampshire Good Roads Association. The news of these societies will now appear in Good Roads on the second Saturday of each month and that issue may be subscribed for separately. There has been no change in the policies or in the character of the publication.

In order to provide subscribers with the very latest information on current events in the gas field, the American Gas Engineering Journal has reduced the time elapsing between the closing of the forms and the mailing of the copies to twenty-four hours. A new department, "Mechanizing gas," is to contain articles on the commercial side of the industry, written by men actively engaged in selling gas.

The United Engineering Society has added to its collection on engineering history a valuable copy of the "Encyclopédie ou Dictionnaire Raisonné des Sciences, des Arts et des Métiers." This is the third edition published in Geneva, 1777-79.

In the November number of Factory is a brief editorial with the heading, "Books for Industrial Soldiers." It is suggested that at this time, when the value of books is being emphasized by the campaign for army libraries, it may be well to expand the factory library and advertise it more widely.

Bibliographies

A "List of references on business libraries and the relation of the business library to the business man" has been compiled by H. H. B. Meyer, Chief Bibliographer at the Library of Congress. It was published in the November number of Special Libraries. The list is alphabetically arranged and contains 99 references to periodical articles, bulletins and books.

A selected bibliography of articles on titantium, in German, French, English, and American periodicals, appeared in the Journal of the Franklin Institute for December. In the Iron Age for November 1, is a long bibliography on the subject of plastic metal deformation, extrusion, rolling, punching, shearing and other mechanical working of metals. The list was compiled by E. C. Buck. It is arranged chronologically, covering the years 1855-1917. The periodicals and books referred to are French, English, German, Italian and American.

In Metallurgical and Chemical Engineering for December 1, is a bibliography by Mr. Buck on the "Manufacture of ferromanganese," the references covering English, German, American and French periodicals, books, and patents for the years 1877-1917.

Book Notes

"Practical Road Building," by Charles E. Foote, has been endorsed by the National Highways Association and the American Automobile Association. The first chapter is a sketch of road history. Others treat of road location, grades, drainage, traffic and finance. In part 2, each chapter is devoted to the description of some one form of road construction.

The second volume of the "Mechanical Equipment of Buildings," by Louis A. Harding and Arthur C. Willard, has now appeared. This volume deals with power plants and refrigeration. For the sake of convenience and completeness there have been reprinted here
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certain chapters from volume 1, which dealt with heating and ventilation theory and its practical application. The index includes references to authorities quoted in the text.

"Applied Motion Study," by Frank B. and Lillian M. Gilbreth aims to show where and how motion study is useful, and the results of its use. The authors consider motion study a means to permanent and practical waste elimination which will result in the betterment of industrial conditions and make us a nation prepared for emergencies.

The Ronald Press Co. has announced the appearance on December 27, of "1918 Income Tax Procedure," by Robert H. Montgomery. This book will cover the income tax, corporation stock tax and excess profits tax, explaining complicated legal points and giving instructions for preparing returns.

A second edition of John Lee Mahin's "Advertising—Selling the Consumer," has been published for the Associated Advertising Clubs of the World. The book grew out of lectures, notes made during class room talks, and editorials written for the Chicago Herald. At the end of each chapter is a list of references, with comments. The subject is not treated from the theoretical side only. Accounts of personal experiences and reproductions of actual advertisements make it of practical value.
List of Periodicals Indexed


Am Ind.—American Industries. $1; single numbers 25c. National Manufacturers Co., 30 Church St, New York.

Am Ind Arch J.—Journal of the American Institute of Architects. $3.50; single numbers 50c. American Institute of Architects, The Octagon, Washington, D. C.

Am Ind E E Pro.—American Institute of Electrical Engineers. Proceedings. $10; single numbers 40c. P. L. Hutchinson, sec., 33 W 39th St, New York.

Am Inst Min E Bul.—Bulletin of the American Institute of Mining Engineers, subs. $12; single numbers $1; to members, public libraries, and educational institutions, $6; single numbers 50c. B. Stoughton, sec., 22 W 39th St, New York.


Arch & Bldg.—Architecture and Building. $2.50; single numbers 25c. W. C. Comstock Co., 32 Warren St, New York.

Arch Rec.—Architectural Record. $3; single numbers 50c. Architectural Record Co., 15 W 40th St, New York.

Automobile—Automobile and Automotive Industries. $3; single numbers 25c. Class Journal Co., 231 W 39th St, New York.

Bldg Age.—Building Age. $2; single numbers 25c. Architectural Record and Building Press, Inc., 248 W 39th St, New York.

Boston Soc C E J.—Journal of the Boston Society of Civil Engineers. $4; single numbers 25c. Boston Society of Civil Engineers, 71 Tremont Temple, Boston.


Collilly.—See Coal Age.

Concrete—Concrete. $3; single numbers 25c. Concrete-Cement Age Pub. Co., Telegraph Bldg, Detroit, Mich. Formerly published as Concrete-Cement Age.

Dom Eng.—Domestic Engineering. $2; single numbers 10c. Domestic Engineering Co., 407 S Dearborn St, Chicago.

Econ Geo.—Economic Geology. $3.50; single numbers 50c. Economic Geology Pub. Co., 41 North Temple St, Lancaster, Pa.


Formerly Electrical Review and Western Electrician.

Elec R & W Elec'n.—See Elec R.


Engineer.—Engineer. Thick paper ed $2.95 ed; Canadian subs $2.50 thin paper ed $2.75 ed; Canadian subs 25c ed. Engineer, 23 Noth St, Strand, London, W. C. 2.

Eng & Coer.—Engineering and Contracting. $3; Engineering and Contracting Pub. Co., 608 S Dearborn St, Chicago.


Engineering News consolidated with Engineering Record beginning April 5.


Consolidated with Engineering News beginning April 5.

Eng Soc W Pa.—Proceedings of the Engineers' Society of Western Pennsylvania. $5; single numbers 60c. Engineers' Society of Western Pennsylvania, 608 Union Arcade Building, Pittsburgh, Pa.

Factory.—Factory. $3; single numbers 25c. A. W. Shaw Co., Wabash Ave & Madison St, Chicago.

Foundry.—Foundry. $1; single numbers 15c. Founton Pub. Cleveland, O.

Gas Age.—Gas Age. $2; single numbers 25c. Progressive Age Pub. Co., 52 Vanderbilt Ave, New York.

Formerly Progressive Age.

Gen Elec R.—General Electric Review. $2; single numbers 25c. General Electric Co., Schenectady, N. Y.

Good Roads n s—Good Roads new series. $3; single numbers 10c. E. L. Powers Co., 150 Nassau St, New York.


Horseless Age.—Horseless Age. $3; single numbers 10c. Horseless Age Co., 20 Madison Ave, New York.


Ind Management.—Industrial Management. $3; single numbers 25c. Industrial Management, 6 E 34th St, New York.

Formerly Engineering Magazine.
LIST OF PERIODICALS INDEXED

Inland P't—Inland Printer; $2; single numbers 30c. Inland Printer Co., 633 Sherman St., Chicago.

The institution premises have been taken over by H. M. Government and the temporary offices are at 1, Albemarle Street, London, W. 1. Published monthly since March 1, 1916. The last fortnightly part (no. 257) was dated 1 March, 1916, price 3c 6d.


J Fr Inst—Journal of the Franklin Institute. $5; single numbers 50c. Franklin Institute, Philadelphia.


Locomotive—Locomotive. 50c; single numbers gratis; recent bound volumes $1. Hartford Steam Roller Inspection & Insurance Co., Hartford, Conn.


Metal Ind n—Metal Industry new series. $1; single numbers 10c. Metal Industry, 99 John St, New York.

The 1917 numbers which have not been included in this volume will be indexed in 1918.


Formerly Railway Age Gazette, Mechanical edition.

Railway Review. $2; single numbers 15c. Railway Review, 571 S Dearborn St, Chicago; 89 Church St, New York.

Formerly Railway and Engineering Review.


Sibley J—Sibley Journal of Engineering. $3; single numbers 50c. Sibley College, Cornell Univ, Ithaca, N. Y.

Stevens Ind—Stevens' Indicator. $1.50; single numbers 50c. Stevens Institute of Technology, Hoboken, N. J.

Textile World—Textile World Journal. $3.50; single numbers 50c. Stevens Institute of Technology, Hoboken, N. J.


Contributions from the Bureau of Chemistry, Forest Service and Office of Public Roads are indexed.


Sold to individuals by the Superintendent of Documents. $1; single numbers 25c.


W Soc J—Journal of the Western Society of Engineers. $3 (ten numbers); single numbers 50c. Western Society of Engineers, 1735 Monadnock Bldg, Chicago.

Explanations

Book reviews in the Electrical World, Engineering News, and Engineering Record are indexed in the Book Review Digest.

The abbreviations used are bibliog bibliography; cond condensed; cont continued; diag diagram; ill illustrated; por portrait; tr translated or translation or translator. A colon after an initial designates the most usual given name. as A: Augustus; B: Benjamin; C: Charles; D: Daniel; F: Frederick; G: George; H: Henry; L: Louis; N: Nicholas; P: Peter; R: Richard; S: Samuel; T: Thomas; V: Victor; W: William.
List of Occasional Pamphlets Indexed

Bureau of railway economics.
Type-written articles.

List of references to books and articles on
the Adamson law of September, 1916
List of references relating to the eight-hour working day and to limitations of working
hours in the United States with special reference to railway labor.

Miscellaneous series.
42. Railway trainman's earnings. 1916.

United States. Bureau of Foreign and Domestic
Commerce.
Tariff series.
35. Commercial travelers in Latin America.
   L. Domeratsky.
36. Customs tariff of Chile. L. Domeratsky.

Bulletin.
20. Street railway employment in the
   United States.
218. Accidents and accident prevention in
   machine building. L. W. Chasey and E. S.
   Hanna.

United States. Department of Agriculture.
Circulars.
94. State highway mileage and expenditures
   for the calendar year 1916.

United States. Department of Agriculture.
Farmers' bulletins.
711. The care and improvement of the wood
lot. C. H. Nillson.
788. The windbreak as a farm asset. C. G.
   Bates.
800. Drainage of irrigated farms. R. A.
   Hart.
808. How to select foods. C. L. Hunt and
   H. W. Atwater.
841. Removal of stains from clothing and
   other textiles. H. L. Lang and A. H.
   Whittaker.
871. Fresh fruits and vegetables as conserves of other staple foods. C. L. Hunt.
881. Preservation of vegetables by fermentation and salting. L. A. Round and H. L.
   Lang.

Reports.
114. Some public and economic aspects of the lumber industry. W. B. Greely.

United States. Federal trade commission.
Report on the beet sugar industry in the
United States.

Report on the news-print paper industry,
University of Texas, Bulletin.
1722. Rustler Springs sulphur deposits
E. L. Porch, Jr.
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Abbott school, Farmington, Maine

Howard Hipple memorial athletic field; views and plans. Am Arch 111:30 p Mr 14 '17


Ability tests

Absenteeism and efficiency tests; bringing the nerves of the battle line into the laboratory. J. Solver, H Sci Am 117:269-70 S 23 '17

Choosing employees by test; strength, speed, and skill. Am Ind 16:5-6 Jl 14 '17

Band, and Papers, W. P., Kempke, H Ind Management 63:547-50 Jl '17

Abrasive

Abrasive of nepheline syenite; patent. Met & Chem Eng 17:263 B 15 '17

Alumina (aluminum); patent. Met & Chem Eng 17:428 O 1 '17

Selecting abrasives for special uses. R. G. Williams, H Ind Management 66:40-1 B 17 '17

See also Grinding and polishing; Pebbles

Absorbent cotton. See Cotton, Absorbent

Absorption

Control of absorption gasoline plants. P. M. Buddison, Sci Am 128:655-7 My 1 '17


Abstracting

Technical literature research—a place for better abstracting. G. Aucy, Iron Age 95: 481 F 33 '17

Abutments. See Bridges—Abutments

Abyssinia

Industries and resources

Potash mines in Abyssinia. Sci Am 117:235 B 28 '17

Accia emulsions


Acceptances

Application of trade acceptances. K. R. Hooker. Textile World 52:1654-5 Mr 10 '17

Doing business under the trade acceptance plan. Horsecar Age 40:24-5 Ap 18 '17

Manufacturer and the bank. H. P. Willis, Am Ind 17:26-7 Jl '17

Practical application of trade acceptances. Elec R 71:904-5 N 24 '17

Trade acceptance reforms. R. H. Tingley, Am Ind 18:21-2 Ag '17

Trade acceptance; what it is and how it works. F. S. Evans. Horsecar Age 41:36-7 Jl '17

Trade acceptances. Textile World 52:1166 F 8 '17


Accident law

See also Reporting and investigating accidents

Accident reports. J. C. Branch. Am Ind 18:22-3 Jl '17


Accident law

See also Reporting and investigating accidents

Accident reports. J. C. Branch. Am Ind 18:22-3 Jl '17


Accident prevention. See devices and measures

Accidents

See also Building failures; Explosions; Lightning; Mine accidents; Railroads—Accidents; Safety devices and measures; Street railroads—Accidents

Accidents, industrial


Excerpts (Summary). Iron Age 100: 1301 N 15 '17


Accidents on construction; what they cost and how to prevent them. J. J. Rosenthal. H Eng N 11:183-9 Ja 1 '17

After-care clinics for injured workmen. C. H. de la Chapelle, H Am Ind 17:14-18 Mr 1 '17

Analysis of accidents to linemen and groundmen. Elec W 70:306 O 27 '17

Cause and prevention of industrial casualty. H. W. Mooney. H Ind Management 53:177-89 My 1 '17

Engineering revision lessens accidents. L. W. Cheney. Iron Age 100:501-3 S 12 '17


Mechanical inefficiency a continual loss. F. H. Hutton, Am Mach 46:346-8 My 31 '17

Same. (Regulation of power plants warranted.) Power 46:774 Je 5 '17

Putting injured men back to work: methods employed by Norton co. H. Morgan. Iron Tr 41:714-15 O 4 '17

Relation of industrial lighting to safety. C. E. Uweel. H Elec W 89:1153-9 Ja 16 '17


Table of causes of grading wheel accidents. Foundry 46:794 Ja '17

Thoughtless handling of power plants. E. W. Miller. Fowler 46:187-8 Jl 24 '17

See also Boiler explosions; Coal mines and mining—Accidents and explosions; Coke ovens—Accidents; Cranes, derricks, etc.—Accidents; Electricity. Injuries from; Explosions—First aid in Injuries; Mine accidents; Mining engineering—Safety measures; Occupations, Dangerous—Plumbing—Accidents; Quarries and quarrying—Accidents; Railroads—Accidents; Safety devices and measures; Workmen's compensation

Accountants

Accountants and the war. J Account 24:113-19 Ag '17

Accountants' services in wartime. J Account 23:844-5 My '17


See also Accounting; Cost accounting

Registration

Registration of accountants. J Account 23: 185-9 Mr 17
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Accountants, Public


Law

South Dakota C. P. A. law. J Account 24:72-5 De '17

Discussion. 23:473-4 Je '17

Accounting
Accounting and Investments. E. A. Sallers. J Account 23:161-6 Mr '17


Accounting systems for retail merchants. J. Hunter. J Account 24:100-4 A '17

Charging labor and material. Factory 19:914-17 D '17

Classification of income and profit and loss accounts. A. L. Tinsley. J Account 23:34-8 Ag '17

Contact of commercial law and scheduling. B. D. Krroben. J Account 24:283-8 O '17


Inverted capital in hopeless pelluse. Iron Tr R 51:1012-13 N '17


Mis-stated current assets. A. S. Fedde. J Account 23:140-4 Je '17

Quick assets. S. Walton. J Account 24:66-8 Ji '17


Uniform accounting. J Account 23:401-38 Je '17

See also Bookkeeping; Corporations—Accounting; Cost accounting; Depreciation; Electric railroads—Accounting; Factories; Foundry accounting; Garages—Accounting; Highway accounting; Inventories; Investments—Mortgage; Mines—Accounting; Missionary societies—Accounting; Municipal accounting; Oil; Payrolls; Printing; Primitive—Accounting; Proof figures; Railroads—Accounting; Reserve accounts—Railroad; Stock—Accounting; Subscriptions—Tennesseans—Accounting; Waterworks—Accounting


American institute of accountants board of examiners; November, 1917, examination questions. J Account 24:413-23 D '17

Standardization of examinations. J Account 24:453-5 D '17

Terminology

Accounting, Municipal. See Municipal accounting

Accountings, See Storage batteries

Acetanilide

Acetate
Inadequacy of the ferric basic acetate test for acetates. L. J. Examination and B. R. Harris. Am Chem Soc J 39:1316-17 Ji '17

Acetic acid

Acetone
Methyl alcohol and acetone as by-products of the soda pulp industry. J. C. Lawrence. Met & Chem Eng 14:116-17 Ap 13 '17

Methyl alcohol and acetone as by-products of the soda pulp industry. A. H. Whitehead and J. D. Rue. Met & Chem Eng 15:182-4 F '15

Acetylation
Notes on nitration ketones with an example of acetylation of chetonic F. Pope. diag Met & Chem Eng 17:306-8 S 15 '17

Acetlene
Acetlene as fuel. Horseless Age 29:Eng sec 14 F '15

Alcohols from acetylene. Sci Am S 84:87 Ag 11

Busy and car lighting. G. E. Hulse. Illum Eng Soc Sec 11:1176-7 no 9 '16

Cementation by gas under pressure. F. C. Langenberg. H diag Iron Tr R 61:395-401 Ag 23 '17

Colorimetric determination of acetylene and its application to the determination of water. E. W. Weaver, diag U S Bur Stand Bull 13:27-45 Je '17


Filling acetylene tanks. J Fr Inst 182:237-8 D '18

Storehouse of sleeping energy, J. M. Morehead. Sci Am 118:161 Ja 27 '17

See also Oxacyetlene flame

Acetylene lamps
Carbide lamp in blackdamp. Coal Age 11:843, 1051-1, 1121 My 15 '17, Je 16, 30 '17

Danger in brass carbide lamps. J. B. Stewart. Eng & Min J 104:177 Ji 17 '17

Electric lamps. C. E. Munroe. 104:396-1 S 1 '17; Same. Coal Age 12:331 S 29 '17

Electrical accompanying use of carbide. J. R. Allardice. Coal Age 11:1169-9 Ja 30 '17;

Same. Eng & Min J 104:314-15 Aq 4 '17

Data on acetylene mine lamps. Coal Age 13: 881 N 24 '17

Improved portable acetylene light. H. Munch Eng 32:165 O '17

McKay bunsen lamp. G. R. McKay. diag Eng & Min J 104:563 S 29 '17

Acetyl methylcarbinol

Acid handling

Packing and plant handling of hazardous chemicals. N. A. Laury. Met & Chem Eng 17:467-8 O 1 '17

Pouring acid from carboys without spattering. L. M. Dellinger. diag Elec R & W Elec'n 69:1106 D 23 '16

Pumping electrolyte from carboys. G. A. Broder. diag Elec R & W Elec'n 70:464 Mr 17 '17


 Acid-proof materials
Acid-proof mortar for floors and tank linings. E. T. Pierce. Metal Ind m e 14:636 S 16 '16;

Same. Metal Work 85:709 D 8 '16


Acids


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Acids — Continued
See also Acid handling; Acid-proof materiales; Acid chemistry; also names of acids, e.g., Nitric acid, Sulfuric acid

Acids, Fatty
See also Twichell process

Acids, Organic

Acetals

Acetals, Ruddy
Nature’s nobleman. F. A. Haessler. II Inland Pfr 64:264 F 17

Acoustics, Architectural
Control of echoes and reverberation in the auditorium at the University of Illinois. Sci Ill 40:110-12 Ap 20 ‘12
Plan for acoustical engineering. E. Merritt. Siberly J 8:101-3 Ja 17

Activated sludge method, see Sewage disposal—Activated sludge method

Adamson act, 1916
Adamson act constitutional. Ry 60:432-8 Mr 24 ‘17
Adamson law before the Supreme court. Ry Age 82:91-3 Ja 13 ‘17
Adamson law held to be constitutional. Ry Age 82:541-4 Mr 28 ‘17
Adamson sunlight on the constitutionality of the Adamson act. Ry R 60:73-6 Ja 13 ‘17
Deviation from the Adamson act. G. Inland Pfr 39:29-33 Ja 17 ‘17
Developments regarding the Adamson law. W. D. Hines. Ry 69:766 D 8 ‘16
New Adamson bill reported. Ry Age 82:223 F 9 ‘17
Supreme court recognizes industry’s human factor. Ind Management 83:176-8 My 17 ‘17
Supreme court upholds compulsory arbitration. Ry Age 82:313 Mr 25 ‘17

Adaptation (biology)


Adding machines
Barrett combined adding listing and computing machine. II Ind Management 63:supi-2 My 17
Operations in the manufacture of adding typewriters. R. Matson. II Am Mach 46:801-2 My 10 ‘17
Progressive fraction adder. II Mach 23:416 Mr 1 ‘17
Use of adding machine in calculating percentage and in pro-rating. S. Walton. J Account 31:396-5 My 17
Uses for adding machines in engineering offices. E. S. Fuller. Eng N 77:141-3 Mr 15 ‘17
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Addition compounds

Aden, Arabia
Places with electric fans are needed but cannot be used. Sci Am 117:76 Ag 4 ‘17

Administration

Administrative research. See Industrial research

Adsorption

Capillary and electrocapillary chemistry. W. C. M. Lewitt. Sci Am 8:150-1, 156 F 16 ‘17


Advancement of science, American association for. See American association for the advancement of science

Advertisements
Advertising programs. J. L. Frazer. II Inland Pfr 60:56 O ‘17
Don’t try to be clever in your advertising. Horseless Age 42:34 D 1 ‘17
Emphasis by white space. J. L. Frazer. Inland Pfr 60:497-8 Ja 17 ‘17
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