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Manufacturers, Students, and Technical Schools

BY EXPERT WRITERS

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THE CHEMISTRY OF PIGMENTS. By Ernest J. Parry, B.Sc. (Lond.), F.I.C., F.C.S., and J. H. Coste, F.I.C., F.C.S. Demy 8vo. Five Illustrations. 285 pp. 1902. Price 10s. 6d.; India and Colonies, 11s.; Other Countries, 12s.; strictly net.

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THE MANUFACTURE OF PAINT. A Practical Handbook for Paint Manufacturers, Merchants and Painters. By J. Cruickshank Smith, B.Sc. Demy 8vo. 1901. 200 pp. Sixty Illustrations and One Large Diagram. Price 7s. 6d.; India and Colonies, 8s.; Other Countries, 8s. 6d.; strictly net.

Contents.

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THE MANUFACTURE OF MINERAL AND LAKE PIGMENTS. Containing Directions for the Manufacture of all Artificial, Artists and Painters' Colours, Enamel, Soot and Metallic Pigments. A Text-book for Manufacturers, Merchants, Artists and Painters. By Dr. Josef Bersch. Translated by A. C. Wright, M.A. (Oxon.), B.Sc. (Lond.). Forty-three Illustrations. 476 pp., demy 8vo. 1901. Price 12s. 6d.; India and Colonies 13s. 6d.; Other Countries, 15s.; strictly net.

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DICTIONARY OF CHEMICALS AND RAW PRODUCTS USED IN THE MANUFACTURE OF PAINTS, COLOURS, VARNISHES AND ALLIED PREPARATIONS. By George H. Hurst, F.C.S. Demy 8vo. 380 pp. 1901. Price 7s. 6d.; India and Colonies, 8s.; Other Countries, 8s. 6d.; strictly net.

THE MANUFACTURE OF LAKE PIGMENTS FROM ARTIFICIAL COLOURS. By Francis H. Jennison, F.I.C., F.C.S. Sixteen Coloured Plates, showing Specimens of Eighty-nine Colours, specially prepared from the Recipes given in the Book. 136 pp. Demy 8vo. 1900.

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(See also Writing Inks, p. 11.)

SIMPLE METHODS FOR TESTING PAINTERS' MATERIALS. By A. C. Wright, M.A. (Oxon.), [Pg 4] B.Sc. (Lond.). Crown 8vo. 160 pp. 1903. Price 5s.; India and British Colonies, 5s. 6d.; Other Countries, 6s.; strictly Net.

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DRYING OILS, BOILED OIL AND SOLID AND LIQUID DRIERS. By L. E. Andés. Expressly Written for this Series of Special Technical Books, and the Publishers hold the Copyright for English and Foreign Editions. Forty-two Illustrations. 342 pp. 1901. Demy 8vo. Price 12s. 6d.; India and Colonies, 13s. 6d.; Other Countries, 15s.; strictly net.

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TECHNOLOGY OF PETROLEUM: Oil Fields of the World—Their History, Geography and Geology—Annual Production and Development—Oil-well Drilling—Transport. By Henry Neuberger and Henry Noalhat. Translated from the French by J. G. McIntosh. 550 pp. 153 Illustrations. 26 Plates. Super Royal 8vo. 1901. Price 21s.; India and Colonies, 22s.; Other Countries, 23s. 6d.; strictly net.

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ANIMAL FATS AND OILS: Their Practical Production, Purification and Uses for a great Variety of Purposes. Their Properties, Falsification and Examination. Translated from the German of Louis Edgar Andés. Sixty-two Illustrations. 240 pp. 1898. Demy 8vo. Price 10s. 6d.; India and Colonies, 11s.; Other Countries, 12s.; strictly net.

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THE OIL MERCHANTS' MANUAL AND OIL TRADE READY RECKONER. Compiled by Frank [Pg 7] F. Sheriff. Second Edition Revised and Enlarged. Demy 8vo. 214 pp. 1904.

Contents.

Trade Terms and Customs—Tables to Ascertain Value of Oil sold per cwt. or ton—Specific Gravity Tables—Percentage Tare Tables—Petroleum Tables—Paraffine and Benzoline Calculations—Customary Drafts—Tables for Calculating Allowance for Dirt, Water, etc.—Capacity of Circular Tanks Tables, etc., etc.

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(For "Textile Soaps" see p. 32.)

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Glue, Bone Products and Manures.

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GLUE AND GLUE TESTING. By Samuel Rideal, D.Sc. (Lond.), F.I.C. Fourteen Engravings. 144 pp. Demy 8vo. 1900. Price 10s. 6d.; India and Colonies, 11s.; Other Countries, 12s.; strictly net.

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Chemicals, Waste Products and Agricultural Chemistry.

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REISSUE OF **CHEMICAL ESSAYS OF C. W. SCHEELE**. First Published in English in 1786. Translated from the Academy of Sciences at Stockholm, with Additions. 300 pp. Demy 8vo. 1901. Price 5s.; India and Colonies, 5s. 6d.; Other Countries, 6s.; strictly net.

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(See also "Evaporating, Condensing and Cooling Apparatus," p. 26.)

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General Remarks on the Utilisation of Sawdust—Employment of Sawdust as Fuel, with and without Simultaneous Recovery of Charcoal and the Products of Distillation—Manufacture of Oxalic Acid from Sawdust—Process with Soda Lye; Thorn's Process; Bohlig's Process—Manufacture of Spirit (Ethyl Alcohol) from Wood Waste—Patent Dyes (Organic Sulphides, Sulphur Dyes, or Mercapto Dyes)—Artificial Wood and Plastic Compositions from Sawdust—Production of Artificial Wood Compositions for Moulded Decorations—Employment of Sawdust for Blasting Powders and Gunpowders—Employment of Sawdust for Briquettes—Employment of Sawdust in the Ceramic Industry and as an Addition to Mortar—Manufacture of Paper Pulp from Wood—Casks—Various Applications of Sawdust and Wood Refuse—Calcium Carbide—Manure—Wood Mosaic Plaques—Bottle Stoppers—Parquetry—Fire-lighters—Carborundum—The Production of Wood Wool—Bark—Index.

Building and Architecture.

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THE PREVENTION OF DAMPNESS IN BUILDINGS; with Remarks on the Causes, Nature and Effects of Saline, Efflorescences and Dry-rot, for Architects, Builders, Overseers, Plasterers, Painters and House Owners. By Adolf Wilhelm Keim. Translated from the German of the second revised Edition by M. J. Salter, F.I.C., F.C.S. Eight Coloured Plates and Thirteen Illustrations. Crown 8vo. 115 pp. 1902. Price 5s.; India and Colonies, 5s. 6d.; Other Countries, 6s.; net.

Contents.

The Various Causes of Dampness and Decay of the Masonry of Buildings, and the Structural and Hygienic Evils of the Same—Precautionary Measures during Building against Dampness and Efflorescence—Methods of Remedying Dampness and Efflorescences in the Walls of Old Buildings—The Artificial Drying of New Houses, as well as Old Damp Dwellings, and the Theory of the Hardening of Mortar—New, Certain and Permanently Efficient Methods for Drying Old Damp Walls and Dwellings—The Cause and Origin of Dry-rot: its Injurious Effect on Health, its Destructive Action on Buildings, and its Successful Repression—Methods of Preventing Dry-rot to be Adopted During Construction—Old Methods of Preventing Dry-rot—Recent and More Efficient Remedies for Dry-rot—Index.

HANDBOOK OF TECHNICAL TERMS USED IN ARCHITECTURE AND BUILDING, AND THEIR ALLIED TRADES AND SUBJECTS. By Augustine C. Passmore. Demy 8vo. 380 pp. 1904. Price 7s. 6d.; India and Colonies, 8s.; Other Countries, 8s. 6d.; strictly net, post free.

Foods and Sweetmeats.

THE MANUFACTURE OF PRESERVED FOODS AND SWEETMEATS. By A. Hausner. With Twenty-eight Illustrations. Translated from the German of the third enlarged Edition. Crown 8vo. 225 pp. 1902. Price 7s. 6d.; India and Colonies, 8s.; Other Countries, 8s. 6d.; net.

Contents.

The Manufacture of Conserves—Introduction—The Causes of the Putrefaction of Food—The Chemical Composition of Foods—The Products of Decomposition—The Causes of Fermentation and Putrefaction—Preservative Bodies—The Various Methods

of Preserving Food-The Preservation of Animal Food-Preserving Meat by Means of Ice—The Preservation of Meat by Charcoal—Preservation of Meat by Drying—The Preservation of Meat by the Exclusion of Air—The Appert Method—Preserving Flesh by Smoking—Quick Smoking—Preserving Meat with Salt—Quick Salting by Air Pressure— Quick Salting by Liquid Pressure—Gamgee's Method of Preserving Meat—The Preservation of Eggs-Preservation of White and Yolk of Egg-Milk Preservation-Condensed Milk—The Preservation of Fat—Manufacture of Soup Tablets—Meat Biscuits—Extract of Beef—The Preservation of Vegetable Foods in General— Compressing Vegetables—Preservation of Vegetables by Appert's Method—The Preservation of Fruit—Preservation of Fruit by Storage—The Preservation of Fruit by Drying—Drying Fruit by Artificial Heat—Roasting Fruit—The Preservation of Fruit with Sugar-Boiled Preserved Fruit-The Preservation of Fruit in Spirit, Acetic Acid or $Glycerine-Preservation\ of\ Fruit\ without\ Boiling-Jam\ Manufacture-The\ Manufacture$ of Fruit Jellies—The Making of Gelatine Jellies—The Manufacture of "Sulzen"—The Preservation of Fermented Beverages—The Manufacture of Candies—Introduction— The Manufacture of Candied Fruit—The Manufacture of Boiled Sugar and Caramel— The Candying of Fruit—Caramelised Fruit—The Manufacture of Sugar Sticks, or Barley Sugar-Bonbon Making-Fruit Drops-The Manufacture of Dragées-The Machinery and Appliances used in Candy Manufacture—Dyeing Candies and Bonbons—Essential Oils used in Candy Making-Fruit Essences-The Manufacture of Filled Bonbons, Liqueur Bonbons and Stamped Lozenges-Recipes for Jams and Jellies-Recipes for Bonbon Making—Dragées—Appendix—Index.

Dyeing Fancy Goods.

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THE ART OF DYEING AND STAINING MARBLE, ARTIFICIAL STONE, BONE, HORN, IVORY AND WOOD, AND OF IMITATING ALL SORTS OF WOOD. A Practical Handbook for the Use of Joiners, Turners, Manufacturers of Fancy Goods, Stick and Umbrella Makers, Comb Makers, etc. Translated from the German of D. H. Soxhlet, Technical Chemist. Crown 8vo. 168 pp. 1902. Price 5s.; India and Colonies, 5s. 6d.; Other Countries, 6s.; net.

Contents.

Mordants and Stains—Natural Dyes—Artificial Pigments—Coal Tar Dyes—Staining Marble and Artificial Stone—Dyeing, Bleaching and Imitation of Bone, Horn and Ivory—Imitation of Tortoiseshell for Combs: Yellows, Dyeing Nuts—Ivory—Wood Dyeing—Imitation of Mahogany: Dark Walnut, Oak, Birch-Bark, Elder-Marquetry, Walnut, Walnut-Marquetry, Mahogany, Spanish Mahogany, Palisander and Rose Wood, Tortoiseshell, Oak, Ebony, Pear Tree—Black Dyeing Processes with Penetrating Colours—Varnishes and Polishes: English Furniture Polish, Vienna Furniture Polish, Amber Varnish, Copal Varnish, Composition for Preserving Furniture—Index.

Lithography, Printing and Engraving.

PRACTICAL LITHOGRAPHY. By Alfred Seymour. Demy 8vo. With Frontispiece and 33 Illus. 120 pp. 1903. Price 5s.; Colonies, 5s. 6d.; Other Countries, 6s.; net.

Contents.

Stones—Transfer Inks—Transfer Papers—Transfer Printing—Litho Press—Press Work—Machine Printing—Colour Printing—Substitutes for Lithographic Stones—Tin Plate Printing and Decoration—Photo-Lithography.

PRINTERS' AND STATIONERS' READY RECKONER AND COMPENDIUM. Compiled by Victor Graham. Crown 8vo. 1904.

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Contents.

Price of Paper per Sheet, Quire, Ream and Lb.—Cost of 100 to 1000 Sheets at various Sizes and Prices per Ream—Cost of Cards—Quantity Table—Sizes and Weights of Paper, Cards, etc.—Notes on Account Books—Discount Tables—Sizes of spaces—Leads to a lb.—Dictionary—Measure for Bookwork—Correcting Proofs, etc.

ENGRAVING FOR ILLUSTRATION. HISTORICAL AND PRACTICAL NOTES. By J. Kirkbride. 72 pp. Two Plates and 6 Illustrations. Crown 8vo. 1903. Price 2s. 6d.; Abroad, 3s.; strictly net.

Contents.

Its Inception—Wood Engraving—Metal Engraving—Engraving in England—Etching—Mezzotint—Photo-Process Engraving—The Engraver's Task—Appreciative Criticism—Index.

Bookbinding.

PRACTICAL BOOKBINDING. By Paul Adam. Translated from the German. Crown 8vo. 180 pp. 127 Illustrations. 1903. Price 5s.; Colonies, 5s. 6d.; Other Countries, 6s.; net.

Contents.

Materials for Sewing and Pasting—Materials for Covering the Book—Materials for Decorating and Finishing—Tools—General Preparatory Work—Sewing—Forwarding, Cutting, Rounding and Backing—Forwarding, Decoration of Edges and Headbanding—Boarding—Preparing the Cover—Work with the Blocking Press—Treatment of Sewn Books, Fastening in Covers, and Finishing Off—Hand-tooling and Other Decoration—Account Books—School Books, Mounting Maps, Drawings, etc.—Index.

Sugar Refining.

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THE TECHNOLOGY OF SUGAR: Practical Treatise on the Modern Methods of Manufacture of Sugar from the Sugar Cane and Sugar Beet. By John Geddes McIntosh. Demy 8vo. 83 Illustrations. 420 pp. Seventy-six Tables. 1903. Price 10s. 6d.; Colonies, 11s.; Other Countries, 12s.; net.

(See "Evaporating, Condensing, etc., Apparatus," p. 26.)

Contents.

Chemistry of Sucrose, Lactose, Maltose, Glucose, Invert Sugar, etc.—Purchase and Analysis of Beets—Treatment of Beets—Diffusion—Filtration—Concentration—Evaporation—**Sugar Cane:** Cultivation—Milling—Diffusion—Sugar Refining—Analysis of Raw Sugars—Chemistry of Molasses, etc.

Bibliography.

CLASSIFIED GUIDE TO TECHNICAL AND COMMERCIAL BOOKS. Compiled by Edgar Greenwood. Demy 8vo. 1904. Being a Subject-list of the Principal British and American Books in print; giving Title, Author, Size, Date, Publisher and Price.

[In the press.

Contents.

TEXTILE SOAPS AND OILS. Handbook on the Preparation, Properties and Analysis of the Soaps and Oils used in Textile Manufacturing, Dyeing and Printing. By George H. Hurst, F.C.S. Crown 8vo. 200 pp. Nine Illustrations. 1904. Price 5s.; India and Colonies, 5s. 6d.; Other Countries, 6s.; net.

Contents.

Methods of Making Soaps—Hard Soap—Soft Soap. Special Textile Soaps—Wool Soaps—Calico Printers' Soaps—Dyers' Soaps. Relation of Soap to Water for Industrial Purposes—Treating Waste Soap Liquors—Boiled Off Liquor—Calico Printers and Dyers' Soap Liquors—Soap Analysis—Fat in Soap.

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On p.26, the title of the first chapter of Evaporating, Condensing and Cooling Apparatus has been corrected by reference to the original book.

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