

we do not question—is simply irritating and confusing to one accustomed to the popular spelling. Who would recognize, for instance, Bechuana under Chwana, especially without any cross-reference in the index, or Hottentot under Khol-Khoin? It is unwise also to use the coined word Ibea to designate British East Africa, as the chartered company from which the word is derived ceased to exist several years ago. There are some useful indexes; maps showing political, religious, and linguistic divisions, the mission stations, and the distribution of disease; portraits of noted workers, and a few illustrations of native life and of the industrial school at Lovedale.

Outlines of Industrial Chemistry. By Frank Hall Thorp. Macmillan Co. 1898. 8vo, pp. 541.

Dr. Thorp is instructor in the Massachusetts Institute of Technology—a fact which we mention to avoid confusion with other Thorps and Thorpes in the chemical world. A treatise on industrial chemistry in a single volume, and that by no means a huge one, for it would contain only about 250,000 words if its pages were filled with solid text, is clearly not a book for general readers, and yet cannot contain as much as every chemist, whatever his specialty, ought to know about this branch of the science. It may, however, be as much as it is judicious to require as a condition of graduation. It is not a handbook, but a text-book, of a subject the whole soul of which resides in its details. Evidently, great judgment is needed to draw up such a survey usefully.

The volume is equally divided between inorganic and organic industries, with about two dozen chapters under each head. What shall we demand in such a volume? That serious flaws could not be picked would be too much to expect. It is rare to find a manual of a single industry of which that can be said. That it should explain the general principles upon which the economy of each industry depends, if not showing where

the shoe most pinches, would be highly desirable. But these general principles are often the last thing that long experience in a particular branch discloses. If we will content ourselves with a general picture of the present state of the externals of industrial chemistry—with what is done, not with why it is done—especially in this country, so much Mr. Thorp has undoubtedly been very successful in presenting, though we will not say that he is not a year or two behind the times here and there. If such a vast subject as that of pigments has to be compressed into 25 pages, fermentation into 33, bleaching into 11, artificial dyestuffs (the mere list of which would fill the volume) into 9, the chlorine industry into 18, soda into 24, sulphuric acid into 14, we must not expect much more.

Let us look out in the index some subject that is neither large nor very small, say charcoal. We find two lines about its use as a pigment on p. 214, and the only other reference is to p. 26, where less than a page is given to the subject. There is nothing about the use of different kinds of wood, nothing about the economical effects of carrying the process further or not so far, and the space is mostly devoted to the barbarous charcoal pits, which certainly no intelligent chemist would employ. There is a reference to p. 257, where we find about seven pages devoted to the destructive distillation of wood. But this and charcoal-burning are, or ought to be, all one industry. At the end we find references to half-a-dozen manuals (which are not bad, if the student does not content himself with what they contain) and to a few memoirs, not the leading or classical ones. Industries which are more scientifically carried on in this country are certainly better treated. The book will answer its purpose very well.

BOOKS OF THE WEEK.

- Appleton, Amelia. *That Other Woman.* F. T. Neely.
- Arnold, Matthew. *Sohrab and Rustum, and Other Poems.* Boston: Houghton, Mifflin & Co. 15c.
- Azurara, Gomes Eannes de. *The Chronicle of the Discovery and Conquest of Guinea.* Vol. II. London: Hakluyt Society.
- Banks, Rev. E. A. *My Young Man.* Funk & Wagnalls Co. 75c.
- Beecham, Max. *More.* John Lane. \$1.25.
- Brewford, Lord Charles. *The Break-Up of China.* Harpers. \$3.
- British Anthologies. *The Shakespeare Anthology.* The Milton Anthology. The Jonson Anthology. 3 vols. Oxford: University Press; New York: Henry Frowde.
- Burt, Mary E., and Cable, Lucy L. *The Cable Story Book.* Scribners. 60c.
- Campbell-Przed, Mrs. *Madame Izan. A Tourist Story.* Appletons. \$1.
- Charles, J. F. *The Duke of Linden. A Romance.* John Lane. \$1.50.
- Chopin, Kate. *The Awakening.* Chicago: H. S. Stone & Co.
- Devoore, Ann. *Oliver Iverson.* Chicago: H. S. Stone & Co.
- Ellis, J. B. *Shem. A Story of the Captivity.* F. T. Neely.
- Fairbairn, Dr. H. A. *The College Warden.* Whitaker. \$1.
- Ferguson, W. S. *The Athenian Archons of the Third and Second Centuries B.C.* [Cornell Studies in Classical Philology.] Macmillan. 75c.
- Hendall, Cecil. *The Story of Nuremberg.* London: Dent; New York: Macmillan. \$1.50.
- Higginson, T. W. *Old Cambridge.* Macmillan. \$1.25.
- Hirsch, S. H. *The Nineteen Letters of Ben Uriel.* Funk & Wagnalls Co. \$1.
- Holmes, Edmund. *The Silence of Love.* John Lane. \$1.25.
- James, Henry. *The Awkward Age.* Harpers. \$1.50.
- Jenkins, H. M. *The Family of William Penn.* Philadelphia: The Author.
- Jones, Augustine. *The Life and Work of Thomas Dudley, Second Governor of Massachusetts.* Boston: Houghton, Mifflin & Co. \$5.
- Kent, Prof. C. F. *A History of the Jewish People.* Scribners. \$1.25.
- Lawrence, F. W. *Local Variations in Wages.* Longmans, Green & Co.
- Lee, J. W. *The Making of a Man.* New ed. F. H. Revell Co. \$1.25.
- Locke, W. J. *Idols.* John Lane. \$1.50.
- Mallock, W. H. *Tristram Lacy; or, The Individualist.* Macmillan. \$1.50.
- Maupassant, Guy de. *Pierre and Jean.* Translated by Hugh Craig. Brentanos. \$1.25.
- McLaughlin, Prof. A. C. *A History of the American Nation.* Appletons.
- Merriman, H. S. *Dross.* Chicago: H. S. Stone & Co.
- Moses, Prof. A. J. *The Characters of Crystals.* D. Van Nostrand Co. \$2.
- Mycra, Rev. Cardinal. *Why Men do not Go to Church.* Funk & Wagnalls Co. 60c.
- Nirdlinger, C. F. *Masques and Mummings. Essays on the Theatre.* New York: De Witt Publishing House.
- Peters, Rev. M. C. *Justice to the Jew.* F. T. Neely.
- Rostand, Edmond. *Cyrano de Bergerac.* Translated from the French. F. A. Stokes Co.
- Sanders, Prof. F. K., and Kent, Prof. C. F. *The Messages of the Earlier Prophets.* 2d ed. Scribners. \$1.25.
- Shakespeare, W. *Julius Caesar.* Cassell & Co.
- Shipman, Louis E. *D'Arcy of the Guards.* Chicago: H. S. Stone & Co.
- The Annual Cyclopaedia.* 1898. Appletons.
- The Solitary Summer.* Macmillan. \$1.50.
- Thompson, Helen S. *Windy Creek.* Scribners. \$1.25.
- Trumbull, H. C. *Border Lines in the Field of Doubtful Practices.* F. H. Revell Co. \$1.
- Villatte, Achille. *J. Chamberlain.* Paris: Félix Alcan.
- Vivian, T. J., and Smith, R. P. *Everything about Our New Possessions.* R. F. Fenn & Co. 60c.
- Waterloo, Stanley. *The Launching of a Man.* Rand, McNally & Co. \$1.25.

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