

Editorial Notices, &c.

THE PRINCIPLES OF CHEMISTRY,

Illustrated by simple experiments, by Dr. Julius Adolph Stockhardt, translated from the German, by C. H. Peirce, M.D., with an Introduction by E. N. Horsford, Professor of Chemistry, in the University of Cambridge, (Mass.)—Cambridge, JOHN BART LETT; Toronto: DEPOSITORY, EDUCATION OFFICE.

There is no department of knowledge to which the present age is so deeply indebted for its rapid progress in arts, manufactures, and refinement, as to the Science of Chemistry, and yet there is no Science whose general principles are so little understood by the people. The principles of Chemistry, in one form or another, are involved in every operation of domestic economy, or daily industry. The study of the mere elements of Chemistry has, however, no place in our grammar school course, much less in that of our common schools; neither is it found to engage the attention of young persons during those many hours of idleness, which occur in winter evening's, and which might be most profitably and delightfully employed, in acquiring that practical information which the work before us is especially designed to give.

Chemistry has always been considered as a Science which involves the possession of expensive apparatus to enable the student to prosecute his enquiries. Professor Horsford says in his introduction to Dr. Stockhardt's book: "works designed to teach Chemistry by experiment are already in use, both here and abroad, but most of them take for granted the possession of expensive apparatus and a laboratory; scarcely any are designed to bring the practical study of the Science within the means of the more elementary schools;—and none are to be found suited to the winter evening firesides all over the country, where the younger and the more advanced of both sexes would delight in chemical experiments, did not the apparently necessary expense of apparatus forbid them. It is to meet the latter two wants as well as those of a general textbook, that the work of Professor Stockhardt, edited by my late assistant Dr. Peirce, is eminently suited."

In Dr. Stockhardt's principles of Chemistry nearly every statement of the relations which exist between different substances is illustrated by experiment; the most important changes which occur in bodies subjected to chemical forces, are shown by diagrams, and whatever is susceptible of being described by drawings is truthfully and intelligibly delineated. The apparatus required to conduct the most important of the numerous experiments given in the text, are "a few tubes and flasks, a spirit lamp, some corks india rubber and reagent bottles."

Besides inorganic Chemistry, or the Chemistry of inert matter this work comprehends organic Chemistry, or the Chemistry of vegetables and animals. It also includes to a small extent, what may be termed, the Chemistry of manufactures; illustrating the principles of the manufactures of gas, soap, beer, vinegar &c., &c.

The copy of the work before us, (3rd American edition), forms an octavo volume containing 680 pages, printed in large type on good paper, and written in a singularly attractive style—a recommendation which translations do not usually possess.

We seriously commend Dr. Stockhardt's work to all who would desire to obtain, *without an instructor*, an acquaintance with the principles of Chemistry, which may truly be said to be THE science of the day.

LECTURE ON TEACHERS' MORALS AND MANNERS:

Delivered before the American Institute of Instruction, Keene, N. H. By H. R. Oliver. Boston, Ticknor & Co., 1851; Rochester, D.M. Dewey. 12mo., pp. 40.

An experienced teacher, to whom we handed this lecture for examination, has expressed the very great pleasure and satisfaction he experienced in reading it. Its counsels are most valuable, and are given in an agreeable and kindly spirit. The gentle yet marked tone of criticism on certain sins of omission, arising "out of our notions of independence," is very amusing indeed, coming as it does from a New Englander, and addressed to an exclusively American audience. The remarks would have some point addressed even to Anglo Americans.

AN ESSAY ON EDUCATION:

Delivered before the Teachers' Institute, Markham. By James Whyte. 18mo., pp. 23. Toronto, T. H. Bentley, 1852.

One striking peculiarity of this Essay is, that the name of Canada does not occur once in its pages. Every country in Europe, and some of the States in America are referred to, but our own is entirely omitted!

HEAT AND VENTILATION:

General Observations on the Atmosphere and its Abuses, as connected with the common mode of Heating Buildings; together with Practical Suggestions on the subject. 8vo., pp. 59. Rochester, D. M. Dewey, 1852.

Thoroughly impressed with the great importance, and, at the same time, with the great neglect of proper ventilation in public and private buildings, the author discusses his subject *con amore*. The anecdotes and illustrations of the injurious effects of a defective system of ventilation, are most interesting, as well as full of counsel and warning. We have from time to time endeavoured in these pages to impress upon school trustees and others, the absolute necessity—arising from a tendency in youth to contract fatal diseases in close, ill-ventilated school-rooms—of providing especially, in the construction of school-houses, proper facilities for the escape of impure, and the constant admission of pure air. The perusal of this excellent pamphlet could not fail to influence trustees on this point.

ACADIA COLLEGE. THE INAUGURAL ADDRESS:

Delivered by the President; and his Introductory Lecture to the Theological Course; with an Appendix. Halifax, N. S. Bowes and Son, 1851.

We have to thank the Rev. Dr. Cramp, the President of Acadia College, who is well known in Canada as a warm friend to education, for a copy of this pamphlet. The Rev. Dr. seems to have entered upon his duties in Acadia College with much energy and ability. His Inaugural Address, though brief, is practical; while the chief excellence and force of the writer is embodied in the introductory Lecture. Great care and industry are evident in its preparation.

A DICTIONARY OF THE GERMAN AND ENGLISH LANGUAGES:

Abridged from the author's large work for the use of Learners. By G. J. Allen, A. M., Professor of the German Language and Literature in the University of the City of New York. In two parts. I. German and English; II. English and German. 12mo., pp. 549 + 293 = 842. New York, D. Appleton & Co.; Rochester, D.M. Dewey, 1852.

This is a most valuable work. It is compiled from the works of Hilpert, Flugel, Greib, Heyse, and others. It indicates the accentuation of every word, and contains several hundred German synonyms, together with a classification and alphabetical list of the irregular verbs, and a dictionary of German abbreviations. The work is strongly and neatly bound.

THE BOARD OF PUBLIC INSTRUCTION for the United

Counties of YORK, ONTARIO and PEELE, hereby give Notice, that an examination of Candidates to fill the office of COMMON SCHOOL TEACHERS, will take place at the times and places hereinafter mentioned, viz:—

AT THE COURT HOUSE, City of Toronto, on **TUESDAY, May 11th**, at 9 a.m. Revds. John Jennings, H. J. Grasett, John Barclay, John Roof, Dr. Hayes; R. Cathcart, J. McMurrich, and J. B. Boyle, Esquires.

AT DUFFIN'S CREEK, on the same day and hour. Examining Committee: The Rev. Messrs. Waddell, R. H. Thornton; Dr. Foote; W. B. Warren, and E. Annis, Esquires.

AT BRAMPTON, Chinguacousy, on the same day and hour. Examining Committee: The Revs. J. Fringle, H. B. Osler, R. J. Macgeorge, J. Campbell; T. Studdart, Esquire; Dr. Crumie.

AT NEWMARKET, on the same day and hour. Examining Committee: Thomas Nixon, Joseph Hartman, and R. H. Smith, Esquires.

AT RICHMOND HILL, on the same day and hour. Examining Committee: The Revs. J. Dick, J. Boyd; D. Higgins, Amos Wright, and T. Harris, Esquires.

All Teachers presenting themselves for Examination, will be required to select the particular Class in which they propose to pass; and previous to being admitted for Examination, must furnish to the Examining Committee satisfactory proof of good moral character, such proof to consist of the Certificate of the Clergyman whose ministrations the Candidate has attended, and in cases where the party has taught a Common School, the Certificates of the Trustees of said School, and of the Local Superintendent. Each Candidate will be expected to attend the Examination in his own School Circuit, if possible.

It was resolved by the Board, at its last meeting, That there shall be only one Examination of Teachers during the present year, after the one in May, which shall be held on the 21st December.

The Board will meet at the Court House, Toronto, on Tuesday, the first of June, at 2 p. m., for the purpose of receiving the reports of the several Examining Committees, licensing Teachers, and for other Business.

By order of the Board,

JOHN JENNINGS,

CHAIRMAN.

City of Toronto, April 11, 1852.

WANTED IMMEDIATELY, a competent FEMALE HEAD

TEACHER, for the Public School, Town of Dundas, who will be required to teach, in addition to the branches usually taught in a Common School, Composition, Outlines of Physiology, Plain and Fancy Needle-Work, and Drawing. Salary about £60 per annum. Application may be made to William Miller, Esq., Chairman of the Board of Trustees.

TORONTO: Printed and Published by THOMAS HUGH BENTLEY.

TERMS: For a single copy, 5s. per annum; not less than 6 copies, 4s. 4d. each, or \$7 for the 8; not less than 12 copies, 4s. 2d. each, or \$10 for the 12; 20 copies and up wards, 3s. 9d. each. Back Vols. neatly stitched supplied on the same terms. All subscriptions to commence with the January number, and payment in advance must in all cases accompany the order. Single numbers, 7d. each.

All communications to be addressed to Mr. J. GEORGE HODGINS, Education Office, Toronto.