THE

CHEMICAL NEWS

WITH WHICH IS INCORPORATED THE

Edited by

CHEMICAL GAZETTE.

William Crookes.

Copyright of the Contents reserved.

Saturday, December 24, 1859.

{ Registered for Transmission abroad.}

CONTENTS.

PAGE. Scientific Analytical Chemistry

Remarks on Parkes's Method for the Estimation of Copper by means of Cyanide of Potassium 25

Technical Chemistry

Description of a Patent Blast Gas Furnace, by J. J. Griffin,

Pharmacy, Toxicology, &c.

Chemical Researches on the Essential Oil of Valerian, by M.

On a Modification of the Chlorate of Potash Method for the Oxidation of Organic Matter in the Detection of Mineral Poisons. by G. T. GLOVER - -

Proceedings of Societies

Chemical Society

Notices of Books and Patents

A Handbook of Chemical Manipulation, by C. GREVILLE WIL-Improvements in Treating and Purifying Gutta Percha -Improvements in Treating certain

Improvements in Re-working Compounds of India-rubber and Sulphur

Correspondence

Chemical Notices from foreign Sources, by Dr. T. L. PHIPSON 34

Scientific Notes and Queries

Gunpowder and its Improvement - 35 Detection of Metallic Poisons by means of the Galvanic Battery - 36 Note on the Murexide Dyes Purification of Water by means of Metallic Iron

Laboratory Memoranda

Coloured flames To determine the amount of Alcohol in Wines and other Alcoholic Mixtures

Miscellaneous

Answers to Correspondents - 36

Advertisements.

FARADAY'S

CHRISTMAS LECTURES at the ROYAL INSTITUTION

The "CHEMICAL NEWS" will contain verbatim Reports of these Lectures, copiously illustrated with Engravings.

Just published, 8vo. cloth, price 1s.6d.

LECTRO-CHEMISTRY. (In which it is demonstrated that there is a Latent Electricity existing in bodies, as well as a Latent Heat; and that those bodies,

when deprived of their Latent Electricity, in-dicate a change in their characteristic proper-ties.) By CHARLES CHALMERS, late of Merchiston Academy.

London: JOHN CHURCHILL, New Burlington Street; MACLACHLAN & STEWART, Edinburgh; and G. & R. King, Aberdeen. May also be had of the Author, Merchiston Castle Bank, Edinburgh.

Quando ullum inbeniemus parem? THE CHEMISTS. ENGRAVER AND LITHOGRAPHEN,

H. SILVERLOCK, MEDICAL LABEL WAREHOUSE, WARDROBE TERRACE, LONDON. E.C.

Recently published, in 1 vol. 8vo. with 3 Plates, price 15s. cloth.

EXPERIMENTAL RESEARCHES IN CHEMISTRY AND PHYSICS.

By MICHAEL FARADAY, D.C.L., F.R.S.

[Reprinted from the "Philosophical Transactions" of 1821-1857; the "Journal of the Royal Institution; " the "Philosophical Magazine," and other publications.]

"In conclusion, we can only repeat the assertion with which we commenced this article. This is a book which ought to be in the library of every scientific man."—Literary Gazette, Feb. 19, 1859

TAYLOR & FRANCIS, Red Lion Court, Fleet Street, London.

Shortly will be published, in one large closely printed volume with Forty Plates, Price, to Subscribers, Thirty Shillings, payable on delivery.

THE FOURTH EDITION OF

PRITCHARD'S

HISTORY OF INFUSORIA,

LIVING AND FOSSIL.

In preparing a new edition of the above Work, the Author is desirous to afford a complete and succinct account of the multitude of microscopic beings grouped together by Ehrenberg under the name Infusoria, and to represent impartially the numerous discoveries and opinions of British, American, and Continental naturalists. With this end in view, he has found it necessary to remodel and revise the entire work, and to make such additions (including descriptions of new species, British and Foreign) as will double the matter contained in the volume of 1852.

To complete a task so extensive and laborious, he has found it necessary to seek the assistance of Naturalists eminent on this subject, and has accordingly secured the co-operation of Dr. Arlinge, to prepare the general history of the Bacillaria, Phytozoa, Protozoa, Rotatoria, and Tardigrada;—of Mr. Ralfs, to re-arrange the descriptions of those beautiful organisms the Desmidieæ and Diatomeæ;—and of Professor Williamson, to revise and extend the history of those highly organised and interesting animalcules, the Rotatoria and Tardigrada.

New Plates will be added to illustrate the latest results of modern research; those on the Diatomeæ Mr. Tuffen West has engaged to draw and engrave.

It is confidently believed the Fourth Edition will fully sustain the reputation of every previous one, and form a Manual alike useful to the Naturalist the Geologist and the Microscopic Ob-

one, and form a Manual alike useful to the Naturalist, the Geologist, and the Microscopic Ob-

The Manuscripts of Dr. Arlings and Professor Williamson have been received - that of MR. RALFS is expected shortly. 704 pages of the Work are printed, and 34 Plates engraved .- All communication are requested to be addressed to Andrew Pritchard, Esq., St. Mary's Place Canonbury, N. London.