

www.e-rara.ch

**A practical treatise on the manufacture and ditribution of coal-gas, its
introduction and progressive improvement**

Clegg, Samuel

London, 1866

ETH-Bibliothek Zürich

Shelf Mark: Rar 2410

Persistent Link: <https://doi.org/10.3931/e-rara-15629>

Preface to the fourth edition.

www.e-rara.ch

Die Plattform e-rara.ch macht die in Schweizer Bibliotheken vorhandenen Drucke online verfügbar. Das Spektrum reicht von Büchern über Karten bis zu illustrierten Materialien – von den Anfängen des Buchdrucks bis ins 20. Jahrhundert.

e-rara.ch provides online access to rare books available in Swiss libraries. The holdings extend from books and maps to illustrated material – from the beginnings of printing to the 20th century.

e-rara.ch met en ligne des reproductions numériques d'imprimés conservés dans les bibliothèques de Suisse. L'éventail va des livres aux documents iconographiques en passant par les cartes – des débuts de l'imprimerie jusqu'au 20e siècle.

e-rara.ch mette a disposizione in rete le edizioni antiche conservate nelle biblioteche svizzere. La collezione comprende libri, carte geografiche e materiale illustrato che risalgono agli inizi della tipografia fino ad arrivare al XX secolo.

Nutzungsbedingungen Dieses Digitalisat kann kostenfrei heruntergeladen werden. Die Lizenzierungsart und die Nutzungsbedingungen sind individuell zu jedem Dokument in den Titelinformationen angegeben. Für weitere Informationen siehe auch [Link]

Terms of Use This digital copy can be downloaded free of charge. The type of licensing and the terms of use are indicated in the title information for each document individually. For further information please refer to the terms of use on [Link]

Conditions d'utilisation Ce document numérique peut être téléchargé gratuitement. Son statut juridique et ses conditions d'utilisation sont précisés dans sa notice détaillée. Pour de plus amples informations, voir [Link]

Condizioni di utilizzo Questo documento può essere scaricato gratuitamente. Il tipo di licenza e le condizioni di utilizzo sono indicate nella notizia bibliografica del singolo documento. Per ulteriori informazioni vedi anche [Link]

PREFACE TO THE FOURTH EDITION.

THE rapidly increasing sale of each succeeding edition of this Treatise, since its first publication in 1841, shows the extended interest of the subject, and that this work has been found a valuable exposition of the various processes and of the apparatus employed in the manufacture and distribution of coal gas.

During the few years that have elapsed since the publication of the last Edition, many improvements have been made which have tended to reduce the cost of production, to improve the quality of the gas, and to extend its use among all classes. It has been the object of the Editor to describe these various improvements, and, by obtaining the aid of those who are practically engaged in the several departments connected with gas engineering, and the manufacture of gas apparatus, to adapt this standard work on gas-lighting to the present state of knowledge.

This Edition is brought out under the superintendence of the Editor of the previous one, and Mr. T. G. Barlow on this, as on the former occasion, most considerately and kindly assisted him in the conduct of the work, being constantly ready, though pressed by many engagements, to give advice and suggest improvements; and he also undertook to revise the proof sheets.

The section on the Chemistry of Coal-gas, originally supplied by Dr. Frankland to the second edition, has been revised and extended by Dr. Attfield, Director of the Laboratories of the Pharmaceutical Society. The important processes and arrangements introduced in the production and purification of coal-gas, the utilization of residual products, the construction of valves, and of tanks and gas-holders of large size, and the new modes of testing the

illuminating power of gas, have been particularly noticed ; and to render the work more complete, a section on the Arrangements of Gas-works has been added, including an account of the Gas-works of the Metropolis, and of the largest and smallest in the provinces, founded on information contributed by the engineers. These additions to the Work have been made without much enlarging its bulk, partly by expunging matter that was obsolete, and partly by enlarging the size of the pages of letterpress. By these means the present volume has been made to comprise nearly one-third of new matter, illustrated by ten new plates and fifty additional wood-engravings. Compared with the Second Edition, it contains double the quantity of letterpress, and three times the number of illustrations, while the publishing price has been reduced one-third.

To those gentlemen who have kindly assisted in perfecting this Edition, and who have supplied drawings and wood-engravings for illustration, the Editor is anxious to express his grateful acknowledgments. These are due especially to Mr. T. N. Kirkham, engineer of the Imperial Company's Station at Fulham ; to Mr. F. J. Evans, engineer-in-chief of the Chartered Company ; to Mr. L. W. Pritchard, engineer of the Western Company ; to Mr. A. King, of Liverpool ; to Mr. Cathels, of Shrewsbury ; to Mr. Bower, of St. Neots ; to Mr. F. W. Hartley, and to Mr. Sugg, from each of whom he received much valuable information, with drawings and woodcuts for illustration.

F. C. B.

Hampstead, June, 1866.