

WMB:HA

DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS
WASHINGTON

Letter
Circular
LC 80

May 25, 1925

PUBLICATIONS RELATING TO GAS

(The publications not starred may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C., at the prices stated. Those marked with a star are out of print, but may be consulted at leading libraries.)

Scientific Papers

Number	Title	Price
S 359	Efflux of Gases through Small Orifices (1920)	10¢

Technologic Papers

Number	Title	Price
T 20	Determination of Sulphur in Illuminating Gas (1913) Six common forms of apparatus or modifications of these were tested. Directions as to form and methods of operation of these are given.	10¢
* T 34	Determination of Ammonia in Illuminating Gas (1914)	10¢
T 36	Industrial Gas Calorimetry (1914) An investigation of some of the methods of calorimetry available for the industrial measurement of the heating values of gases, the sources of error to which such measurements are liable, the important precautions necessary, and the accuracy attainable in these measurements.	40¢
T 41	Lead Acetate Test for Hydrogen Sulphide in Gas (1914)	35¢
* T 39	Specific Gravity Balance for Gases (1917)	5¢

Number	Title	Price
* T 94	Effusion Method of Determining Gas Density (1917)	10¢
T 99	Gas-Mantle Lighting Conditions in Ten Large Cities in the United States (1917)	10¢
T 110	The Influence of Quality of Gas and Other Factors upon the Efficiency of Gas-Mantle Lamps (1918)	15¢
T 114	A Portable Cubic-Foot Standard for Gas (1919)	5¢
T 117	Toluol Recovery (1918)	10¢
T 133	Tests of Flexible Gas Tubing (1919)	10¢
T 134	Experimental Retort Tests of Orient Coal (1919)	5¢
T 137	Coking of Illinois Coal in Koppers-Type Oven (1919)	10¢
T 193	Design of Atmospheric Gas Burners (1921)	15¢
T 212	Carbon Monoxide in the Products of Combustion from Natural Gas Burners (1922)	10¢
T 222	Relative Usefulness of Gases of Different Heating Value and Adjustment of Burners for Changes in Heating Value and Specific Gravity (1922)	25¢

Circulars

Number	Title	Price
C 32	Standards for Gas Service (1920) This is intended as an impartial and, as nearly as may be, an accurate summary of the facts which must be considered in connection with regulations affecting quality of gas and gas service. It has been prepared with the cooperation of many engineers and inspectors. It is, therefore, believed to reflect the opinion of the industry as well as to give the findings and recommendations of the Bureau.	20¢

A form is proposed for a model city gas ordinance, and rules are suggested for

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	adoption of State public service commissions. The technical matters involved are fully discussed, and a summary is given of all regulations in force in cities of 8,000 population and over and in all States.	
C 48	Standard Methods of Gas Testing (1916)	40¢
	Contains suggestions as to the location and equipment of gas-testing laboratories, a description of some of the accepted forms of apparatus, directions for the making of the various tests, and recommendations as to the interpretation of experimental results. It applies to work to be done in the official inspection of gas quality and gas service, especially that relating to heating value, candlepower, purity, and specific gravity of the gas and the pressure at which it is supplied.	
C 65	Gas Calorimeter Tables (1917)	5¢
	A condensed set of operating and computing instructions for use with a flow gas calorimeter and tables of correction data.	
C 75	Safety for the Household (1918)	15¢
	Section of 27 pages on precautions in the use of gas.	
C 116	How to Get Better Service with Less Natural Gas in Domestic Gas Appliances (1921)	5¢

Other Publications Reporting
Bureau Investigations

How Natural Gas Burners Can Be Improved (1921)

Published by Natural Gas Association of America, Oliver Bldg., Pittsburgh, Pa.

Can be secured at public libraries. Also printed in the following:

"Natural Gas", May, 1921.

"Gas Age-Record", June 25, July 11 and 25, 1921.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be clearly documented, including the date, amount, and purpose of the transaction. This ensures transparency and allows for easy reconciliation of accounts.

In addition, the document outlines the necessary steps for auditing the records. This involves a thorough review of all entries to identify any discrepancies or errors. It is crucial to investigate any irregularities and take appropriate corrective actions to prevent future issues.

The document also highlights the role of technology in modern accounting. The use of accounting software can significantly streamline the recording and auditing process, reducing the risk of human error and improving efficiency.

Finally, the document stresses the importance of regular communication and reporting. Stakeholders should be kept informed of the financial status of the organization through timely and accurate reports. This helps in making informed decisions and maintaining the trust of investors and other interested parties.

The second part of the document provides a detailed overview of the company's financial performance over the past year. It includes a comprehensive analysis of the income statement, balance sheet, and cash flow statement.

The income statement shows a steady increase in revenue, driven by strong sales performance in key markets. However, there has been a corresponding increase in operating expenses, which has resulted in a slight decrease in net income compared to the previous year.

The balance sheet indicates that the company's assets have grown significantly, reflecting the successful execution of its investment strategy. The equity section shows a healthy level of retained earnings, which provides a strong foundation for future growth.

The cash flow statement reveals that the company has maintained a positive cash flow throughout the year, primarily due to its efficient working capital management. This ensures that the company has sufficient liquidity to meet its short-term obligations and invest in long-term opportunities.

Overall, the financial performance of the company has been robust, demonstrating its ability to navigate a challenging economic environment while maintaining its focus on growth and innovation.

Number		Price
T 349	Thermal-Conductivity Method for Analysis of Gases (1924)	20¢
	The Relation between Heating Value of Gas and its Usefulness to the Customer (1925)..... (Now in press)	

