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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)	20¢

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.

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

Number	Title	Price
	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.

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)	