

DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS
WASHINGTON, D. C.

Letter
Circular
LC - 234

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LIST OF PUBLICATIONS AND ARTICLES RELATING TO HOME HEATING PROBLEM

Compiled by the division of building and housing,
Bureau of Standards.

The official publications listed may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D.C., unless otherwise noted, at the prices given. Prepayment is required and should be made in cash (exact amount), or by postal or express money order, payable to the Superintendent of Documents. Do not remit in postage stamps. Any publication on which a price is not listed may be obtained from the department issuing it.

Department of Commerce (Bureau of Standards)

Recommended minimum requirements for small dwelling construction - 1922 - 108 pages, illustrated - 15 cents.
(Report of the building code committee of the Department of Commerce. Includes minimum requirements for chimney and fireplace construction.)

LC 263 - Painting of steam and hot water radiators

CS 12-29 - Domestic and industrial fuel oils

Department of Commerce (Bureau of Mines)

Five hundred tests of various coals in house-heating boilers. (Mines Bulletin No. 276) - 1928 - 70 pages - 15 cents.
(Includes comprehensive analytical table annotated to show results of burning tests of coal.)

Saving fuel in heating a house. (Mines Technical Paper 97) - 1915 - 35 pages - 5 cents.
(Treats of hot-air, hot water, and steam-heating plants for dwellings, the factors to be considered in heating a house, and the care of heaters.)

Firing bituminous coals in large house-heating boilers. (Mines Technical Paper 180) - 1917 - 22 pages - 5 cents. (Describes experiments to determine best methods of firing coal and savings to be effected.)

Five ways of saving fuel in heating houses. (Mines Technical Paper 199) - 1918 - 13 pages - 5 cents. (Briefly shows how coal can be saved.)

How to improve the hot-air furnace. (Mines Technical Paper 208) - 1918 - 20 pages - 5 cents. (Shows how fuel can be saved in heating houses with hot air and discusses some methods of humidifying the air of rooms thus heated.)

Why and how coke should be used for domestic heating. (Mines Technical Paper 242) - 1919 - 20 pages - 5 cents. (Describes advantages of coke as fuel and points out how coke should be burned in heating houses.)

Waste and correct use of natural gas in the home. (Mines Technical Paper 257) - 1920 - 23 pages - 5 cents. (Points out the necessity of checking natural gas waste and gives information as to its correct use in the home.)

The economic combustion of waste fuels. (Mines Technical Paper 279) - 1922 - 51 pages - 10 cents. (Discusses waste fuels, methods of combustion, and describes furnaces.)

Comparative tests of by-product coke and other fuels for house-heating boilers. (Mines Technical Paper 315) - 1923 - 21 pages - 5 cents. (Gives results of tests made to compare by-product coke, bituminous coal, and anthracite as fuels for small boilers.)

Natural-gas manual for the home. (Mines Technical Paper 325) - 1922 - 30 pages - 10 cents. (Discusses supply, production, and distribution of natural gas and suggests means whereby waste may be prevented.)

Carbon monoxide hazards from house heaters burning natural gas. (Mines Technical Paper 337) - 1923 - 31 pages - 10 cents. (Describes tests of six common types of house heaters or stoves burning natural gas and presents suggestions for minimizing the quantity of carbon monoxide emitted under certain conditions.)

Department of Agriculture

Operating a home heating plant. (Farmers' Bulletin No. 1194) - 1928 - 17 pages - 5 cents.

(The requirements that should be met in order to heat the home satisfactorily are discussed, and advice is given concerning the selection, installation, and operation of home heating plants.)

One-register furnaces. (Farmers' Bulletin No. 1174) - 1920 - 12 pages - 5 cents.

(Describes the installation and operation of pipeless furnaces.)

The domestic oil burner. (Agriculture Department Circular No. 405) - 1927 - 30 pages - 10 cents.

(Based on the results of tests of a number of oil burners of different designs to give the information necessary for the home owner to make his own selection of an oil burner.)

A study of the oil burner as applied to domestic heating. (Technical Bulletin No. 109) - 1929 - 20 cents.

Chimneys and fireplaces. (Farmers' Bulletin No. 1230) - 1925 - 22 pages - 5 cents.

(Designed to give the householder and prospective builder a working knowledge of the principles to be observed in planning and building these important parts of the house.)

Use of wood for fuel. (Agriculture Bulletin No. 753) - 1919 - 40 pages - 10 cents.

(Discusses the best and most economical methods of cutting, distributing, and using wood for fuel.)

The following publications, relating to home heating problems, may be obtained from the associations issuing them:

Other Publications

Oil heating - the modern miracle of comfort. 1927 - 80 pages. The Oil Heating Institute, 342 Madison Ave., New York, N. Y.

(The first section discusses oil heating, the supply of oil, the selection of satisfactory oil heating equipment, and its proper installation. The second section describes and illustrates oil heating equipment made by reputable manufacturers and proved satisfactory by use.)

Your guide to oil heating satisfaction. 1929.
The Oil Heating Institute, 342 Madison Avenue, New York, N.Y.
(Describes and illustrates oil equipment manufactured by members of the institute, including various types of oil burners and equipment accessory to oil heating.)

Oil heat and the business of living. 1929.
The Oil Heating Institute, 342 Madison Avenue, New York, N.Y.
(Presents the message of oil heat by offering a semi-fictional narrative presenting the home side of the entire subject of house heating.)

House-heating. Third edition 1930 - 136 pages.
American Gas Association, 420 Lexington Ave., New York, N.Y.
(A reference book on the application of gas to house-heating.)

Rules for burning coal in small domestic furnaces. 1926 - 7 pages. Circular No. 9, Engineering Extension Department, Purdue University, Lafayette, Ind.
(Preparation of equipment for any kind of coal, management of furnace for bituminous (soft) coal, rules for burning coke with small-size anthracite, and suggestions for burning Indiana coals.)

Standard code regulating the installation of warm air furnaces in residences. Third edition 1924 - 12 pages.
The National Warm Air Heating Association, 174 E. Long St., Columbus, Ohio.

Trade names of furnaces. 1928 - 8 pages, Monthly Bulletin, Volume 5, number 6. The National Warm Air Heating Association.
(Gives trade names of furnaces and names and locations of makers.)

American Society of Heating and Ventilating Engineers Guide. Published annually by the American Society of Heating and Ventilating Engineers, 29 West 39th St., New York, N. Y.
(Contains design and specification data useful in the planning and construction of modern heating and ventilating installations - prepared from the society's transactions - investigations of its research laboratory - and the practice of its members, together with data concerning modern equipment.)

Health and comfort with warm air.
The National Warm Air Heating Association.

Warm air heating for residences.
The National Warm Air Heating Association.

A standard ordinance for chimney construction. 1927 - 26 pages. Committee on construction of buildings, National Board of Fire Underwriters, 85 John Street, New York, N. Y. (Suitable for use in cities and towns of any size.)

Flues and flue linings with related data on chimneys and fireplaces. First edition 1924 - 32 pages. Eastern Clay Products Association, 906 Colonial Trust Building, Philadelphia, Pa. (Includes complete information on flue linings and related data for calculating sizes of flues, determining heights of chimneys, construction of fireplaces, and other information.)

Handbook of domestic oil heating. Revised 1928 - 335 pages. The American Oil Burner Association, Inc., 342 Madison Ave., New York, N. Y. (Defines and explains words, phrases, and terms in heating and ventilating practice and describes and analyzes the different types of oil burners.) (\$3.00).

Donley book of fireplaces. Third edition 1925. The Donley Bros. Company, Cleveland, Ohio. (Designed to aid the architect, builder, and home owner to build attractive fireplaces that will be free from ordinary fireplace evils. Includes complete set of working plans, well illustrated with many working drawings and photographs.)

The fireplace and how to build it. Curtis Publishing Company, Philadelphia, Pa.

The heart of the home. (fireplaces). Common Brick Mfrs. Association of America, Guarantee Title Building, Cleveland, Ohio.

How to build a safe chimney. Clay Products Association, 111 W. Washington St., Chicago, Ill.

The following articles may be consulted in local libraries:

Magazine Articles

Heating methods and problems, series of articles appearing monthly in The American Builder since January, 1927. (Covering all phases of home heating, including construction of chimneys and installation and operation of modern heating equipment.)

Heating the small home. The Small Home, Published monthly by the Architects' Small House Service Bureau of the U.S., Inc., 1200 Second Ave., South; Minneapolis, Minn.

September 1929 - General.

October 1929 - Heating terms; what the heating plant must do.

November 1929 - Why fuel must be burned, etc.

December 1929 - The warm air system.

January 1930 - With steam.

February 1930 - With hot water.

March 1930 - Chimney design and construction.

April 1930 - Radiators.

May 1930 - Temperature control.

June 1930 - What kind of a boiler or furnace.

What heating system? Pictorial Review, November, 1926, pages 44 and 78.

(Describes various types of heating systems and compares their relative initial cost and cost of operation.)

Managing the heating system. Ladies' Home Journal, November, 1928.

(Tells how to operate various kinds of heating systems.)

The home without flame. National Real Estate Journal, December 10, 1928.

(Describes an all-electric home, electric even to the heating plant.)

Construction methods. Eastern States Building Developer, January, 1928.

(Tells how to build a fireplace correctly and contains illustrations, diagrams, and table.)

Building better fireplaces. The Bricklayer, Mason and Plasterer, September, 1926.

(Contains diagrams and tables in addition to text.)

Sentiment versus smoke. The Small Home, November 1923.

(Describes the building of chimneys and fireplaces and contains diagrams.)

Detail and rules of fireplace construction.

Architecture and Building, February, 1926.

(Describes the building of a good fireplace.)

