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U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
Washington

Letter
Circular
LC 702
(Superseding
LC 648)

HOME HEATING PROBLEMS:
List of Publications and Articles
(Revised to September 1, 1942)

GENERAL INFORMATION

Some of the publications in this list have appeared in the regular series of the National Bureau of Standards and other governmental agencies. Those publications for which a price is stated, can be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C. Remittances should be made either by coupons obtainable from the Superintendent of Documents in sets of 20 for \$1.00 and good until used, or by check or money order payable to the Superintendent of Documents, Government Printing Office, Washington, D. C., sent with the order.

1. In this list letters with serial numbers are used to designate Government publications.

U. S. DEPARTMENT OF COMMERCE
National Bureau of Standards

BH - Building and Housing
publication
CS - Commercial Standard

H - Handbook
LC - Letter Circular
(mimeographed)
M - Miscellaneous publication
R - Simplified Practice
Recommendation

Bureau of Foreign and Domestic
Commerce

Rep- Report

U. S. DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Chemistry
and Engineering

C - Circular
F - Farmers' Bulletin
T - Technical Bulletin

U. S. DEPARTMENT OF THE INTERIOR
Bureau of Mines

HFH- Handbook

FEDERAL HOUSING ADMINISTRATION

FHA- Federal Housing
Administration form

II. For papers published by nongovernmental agencies, the name and address of the publisher and the price are given.

III. In the case of magazine articles, only the name of the periodical is listed. The Bureau cannot supply copies of magazines or reprints from them nor can it furnish information as to their availability or price. Such articles can, however, be consulted at most libraries.

I. FEDERAL GOVERNMENT PUBLICATIONS

Series Price

Department of Commerce (National Bureau of Standards)
Washington, D. C.

Recommended minimum requirements for small-dwelling construction (1932) 107 pages (Report of the Building Code Committee of the Department of Commerce. Includes minimum requirements for chimney and fireplace construction).	BH 18	10¢
Care and repair of the house (1931) 121 pages (Contains a chapter on repairs and maintenance of heating and ventilating equipment).	BH 15	15¢
Effect of soot on the rating of an oil-fired heating boiler (1940) 4 pages (This paper directs attention to important factors to be considered in the adjustment or testing of heating boilers or furnaces and in the design of chimneys).	BMS 54	10¢
A survey of humidities in residences (1940) 6 pages (Observations made in 26 localities in northern part of the United States by students under supervision of college physics departments)	BMS 56	10¢
Simplification of sizes and terminology of high volatile bituminous coal.	M 113	5¢
Painting of steam and hot-water radiators	LC 445	Free
Domestic heating and air conditioning	LC 649	"
Thermostat setting and economy in house heating . . .	LC 694	"
Range boilers and expansion tanks	R 8-29	10¢
Non-ferrous range boilers	R 181-41	5¢
Stove pipe and accessories.	R 190-42	5¢
Domestic burners for Pennsylvania anthracite (underfeed type)	CS 48-40	5¢
Fuel oils	CS 12-40	5¢
Oil burners; automatic mechanical draft	CS 75-42	10¢
Furnaces; gas floor, gravity circulating.	CS 99-42	5¢
Space heaters; oil-burning, flue-connected.	CS 101-43	10¢

<u>Federal Housing Administration</u> <u>Washington, D. C.</u>	<u>Series</u>	<u>Price</u>
Mechanical equipment for the home (Technical Bulletin No. 6) (1937) (Contains chapters on heating and air conditioning)	FHA 2299	5¢
Principles of planning small houses (Technical Bulletin No. 4) (1936) (Contains a section on heating).	FHA 2219	10¢

II. OTHER PUBLICATIONS

The following publications relating to home heating problems may be obtained from the issuing organizations:

Bureau of Mines
Mines and Geology Branch
Department of Mines and Resources, Ottawa, Canada

Comparative tests of various fuels when burned in a domestic hot-water boiler (No. 705: 1929 ed).		20¢
Comparative tests of various fuels when burned in a domestic hot-water boiler (No. 802: 1940 ed).		25¢
American Society of Heating and Ventilating Engineers 51 Madison Avenue, New York, N. Y. Guide -published annually (Contains design and specification data useful in the planning and construction of modern heating and ventilating installations)		\$5.00
American Gas Association 420 Lexington Avenue, New York, N. Y. Comfort heating.		\$2.00
Gas and electricity for domestic cooking and heating purposes.		Free
Better Homes in America Purdue Research Foundation, West Lafayette, Ind. Why conditioned air in houses improves human comfort (Home Information No. 25).		15¢
How air in houses is conditioned by modern equipment (Home Information No. 26).		15¢
Clay Products Association 111 West Washington Street, Chicago, Ill. How to build a safe chimney.		Free
The chimney.		"
A standard ordinance for chimney construction.		"

	<u>Price</u>
Eastern Clay Products Association 906 Colonial Trust Building, Philadelphia, Pa. Flues and flue linings with related data on chimneys and fireplaces (Includes data for calculating sizes of flues, determining heights of chimneys, etc.)	Free
Heating, Piping, and Air Conditioning Contractors National Association 1250 Sixth Avenue, New York, N. Y. Net load recommendations for heating boilers Engineering standards	\$1.50 5.00
National Association of Stove Manufacturers P. O. Station B, Buffalo, N. Y. Extracts from various publications respecting chimneys, drafts, etc.	10¢
National Board of Fire Underwriters 85 John Street, New York, N. Y. A standard ordinance for chimney construction (Suitable for use in cities and towns of any size) . . .	Free
National Fire Protection Association 60 Batterymarch Street, Boston, Mass. Make your chimneys safe. Chimneys, flues, and fireplaces; how to build them . .	Free "
National Warm Air Heating and Air Conditioning Association 145 Public Square, Cleveland, Ohio Standard gravity code (For installation of gravity warm-air heating systems in residences. Practical code (For installation of mechanical warm- air heating; non-technical) Technical code (For installation of mechanical warm- air heating; technical) Yardstick for the evaluation of a forced warm-air heating system.	25¢ 25¢ 50¢ 25¢
Structural Clay Products Institute 1756 K Street, N. W., Washington, D. C. The heart of the home.	25¢
Underwriters' Laboratories, Inc. 207 E. Ohio Street, Chicago, Ill. List of inspected gas, oil, and miscellaneous appliances (Presents names of appliances that have been subjected to tests with particular reference to fire safety).	Free

III. MAGAZINE ARTICLES

The following magazine articles relating to home heating problems may be consulted at local libraries:

- Fireplace design. American Architect - August 1936 - page 86.
(Details, dimensions, flue sizes, etc.)
- Automatic heating and air conditioning. American Architect -
January 1938 - pages 69-83. (Systems, equipment, and design.)
- Outdoor grilles and barbecue fireplaces. American Builder -
August 1939 - page 70. (Photographs and drawings.)
- Principles of central heating systems. American Builder -
September 1939 - page 66. (A review of relative advantages
of popular types.)
- A little portfolio of fireplaces. American Home - December 1932 -
page 22. (Photographs of 11 types.)
- Illustrations and details of several kinds of outdoor fireplaces
and kitchens. American Home - June 1935 - pages 32-35.
- Cabin fireplaces that really do work. American Home - February 1936 -
page 52. (Illustrations and diagrams.)
- Where there's smoke there's no fire. American Home - February 1939 -
page 89. (Fireplace design; cross-section of opening.)
- Heating the temporary home. American Home - February 1939 - page 32.
(Illustrations and descriptions of small heating units for cabins,
cottages, etc.)
- Without charm it's not a real home hearth. American Home - October
1941 - page 76.
- Heating the small home. Architectural Record - August 1935 - page 131.
(Check list covering insulation, heating methods, fuels, etc.)
- Comparative analysis of apartment-house heating systems. Architectural
Record - October 1937 - page 140.
- Pictures of 25 different fireplaces. Architectural Record - July 1938
pages 85-92.
- Wartime rules for house heating. Architectural Record - April 1942 -
pages 63-66.
- Warm air heating for defense housing. Architectural Record - April
1942 - pages 67-70.