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U. S. DEPARTMENT OF COMMERCE  
NATIONAL BUREAU OF STANDARDS  
Washington 25, D. C.

Letter  
Circular  
LC982

(Superseding  
LC948)

March 22, 1950

HOME HEATING PROBLEMS:  
List of Publications and Articles

GENERAL INFORMATION

This letter circular lists publications on home heating and related problems issued by Federal government agencies and other organizations as well as magazine articles on those subjects. It is intended to be of assistance to home owners, home builders, and others interested in heating problems. Federal government publications for which a price is indicated can be purchased from the Superintendent of Documents, Government Printing Office, Washington 25, D.C. Remittance should be made either by coupon (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 sent with the order. If marked "Free" the publication may be obtained without charge by writing direct to the agency under which it is listed.

Publications issued by nonfederal organizations may be obtained free of charge or at prices indicated from the organizations under which they are listed.

Magazine articles listed are not available from the National Bureau of Standards. It may be possible, however, to consult them in local libraries. Letters regarding the articles or reprints should be addressed direct to the publisher of the magazine.

FEDERAL GOVERNMENT PUBLICATIONS

	<u>Series</u>	<u>Price</u>
<u>Department of Commerce (National Bureau of Standards)</u>		
<u>Washington 25, D. C.</u>		
Care and repair of the house (1950) (Contains chapter on heating and ventilating equipment)...	C489	50¢
Effect of soot on the rating of an oil-fired heating boiler (1940) 4 pages.....	BMS54	10¢
Measurements of heat losses from slab floors.....	BMS103	15¢
Temperature distribution in a Test Bungalow with various heating devices.....	BMS108	10¢
Performance of a coal-fired boiler converted to oil.....	BMS111	15¢
Performance of radiant and jacketed space heaters in a Test Bungalow.....	BMS114	25¢
A study of a baseboard convector heating system in a Test Bungalow.....	BMS115	15¢
Range boilers and expansion tanks.....	R8-47	5¢
Cast-iron radiators.....	R174-47	5¢
Nonferrous range boilers.....	R181-41	5¢
Stove pipe and accessories.....	R190-42	5¢
Pipes, ducts, and fittings for warm-air heating and air conditioning.....	R207-49	10¢
Domestic burners for Pennsylvania anthracite (underfeed type).....	CS48-40	5¢
Fuel oils.....	CS12-48	10¢
Oil burners; automatic mechanical draft.....	CS75-42	10¢
Furnaces; gas, floor, gravity circulating.....	CS99-42	5¢
Space heaters; oil-burning, flue-connected.....	CS101-43	10¢
Furnaces; warm-air (equipped with oil-burners, vaporizing, pot-type).....	CS104-49	10¢

	<u>Series</u>	<u>Price</u>
Furnaces; forced-air, solid-fuel-burning.....	CS109-44	10¢
Furnaces; oil-burning, floor (equipped with vaporizing pot-type burners).....	CS113-44	10¢
Testing and rating convectors.....	CS140-47	10¢
Testing and rating of hand-fired hot-water-supply boilers...	CS145-47	10¢
<u>Department of Agriculture</u> <u>Washington 25, D. C.</u>		
Fireplaces and chimneys (1941) 52 pages.....	FB1889	15¢
<u>Department of Agriculture (Forest Service)</u> <u>Washington 25, D. C.</u>		
Camp stoves and fireplaces. 89 pages il. (Reprint).....		50¢
<u>Department of Agriculture (Forest Products Laboratory)</u> <u>Madison 5, Wisconsin</u>		
Wood fuel combustion practices (1947) 11 pages.....	R1666-18	Free
Wood fuel preparation (1947) 11 pages.....	R1666-19	Free
<u>Department of the Interior (Bureau of Mines)</u> <u>Washington 25, D. C.</u>		
Questions and answers for the coal fireman (1941) 17 pages..	CFH	10¢
Questions and answers for the home fireman (1940) 34 pages..	HFH	15¢
Removal of soot from furnaces and flues by the use of salts or compounds.....	B360	15¢
<u>Department of the Interior (Bureau of Mines)</u> <u>Publications Section, 4800 Forbes St., Pittsburgh 13, Pa.</u>		
How to save fuel at home (1942) 5 pages.....	IC7229	Free
Supplementing anthracite with other fuels for home heating (1943) 22 pages.....	IC7260	Free

NONFEDERAL PUBLICATIONS

The following publications may be obtained from the issuing organizations:

	<u>Series</u>	<u>Price</u>
American Gas Association; 420 Lexington Avenue, New York 17, N.Y. Comfort heating.....		\$2.00
Reprints of articles covering use of gas and electricity for domestic cooking and heating purposes.....		25¢
American Society of Heating and Ventilating Engineers, 51 Madison Avenue, New York 10, N.Y. Heating, ventilating, air conditioning guide. Published annually.....		7.50
Better Homes in America, Purdue Research Foundation, West Lafayette, Ind. Why conditioned air in houses improves human comfort, Home Information No. 25.....	HI25	15¢
How air in houses is conditioned by modern equipment, Home Information No. 26.....	HI26	15¢
Copper and Brass Research Association, 420 Lexington Avenue, New York 17, N.Y. Radiant heating.....		Free
Heating, Piping, and Air Conditioning Contractors National Association, 1250 Avenue of the Americas, New York 20, N.Y. Net load recommendations for heating boilers.....		\$2.00
Engineering standards.....		5.00
National Board of Fire Underwriters, 85 John Street, New York 7, 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 10, Mass. Make your chimneys safe.....	G.6	Free
Spark arrestors for chimneys.....		5¢

	<u>Series</u>	<u>Price</u>
National Warm Air Heating and Air Conditioning Association, 145 Public Square, Cleveland 14, Ohio		
A yardstick for classifying warm-air winter air-conditioning systems.....	Manual 8	60¢
Code and manual for ceiling panel systems.....	" 7-A	60¢
Code and manual for changing forced air systems to continuous air circulation.....	" 6	60¢
Code and manual for gravity systems.....	" 5	60¢
Code and manual for winter air-conditioning systems.....	" 7	60¢
How to check frame house construction.....	" 2	60¢
How to figure heat losses.....	" 3	60¢
How to make a comfort survey--how to make floor plans...	" 1	60¢
Plumbing and Heating Industries Bureau, 35 E. Wacker Drive, Chicago 1, Ill.		
Baseboard heating.....		10¢
Choosing a heating plant wisely.....		5¢
Small Homes Council, Mumford House, University of Illinois, Urbana, Ill.		
Fuels and burners for domestic heating, Circular G3.5...	C G3.5	10¢
Heating the home, Circular G3.1.....	C G3.1	10¢
Homes planned for coal or coke, Circular G3.61.....	C G3.61	10¢
Chimneys and fireplaces, Circular F7.0.....	C F7.0	10¢
Storm sash Circular F11.2.....	C F11.2	10¢
Moisture condensation, Circular F6.2.....	C F6.2	10¢
Structural Clay Products Institute, 1520 18th Street N.W., Washington 6, D.C.		
Plan for outdoor barbecue grill.....		10¢
Plan for outdoor fireplace.....		50¢
Underwriters' Laboratories, Inc., 207 E. Ohio Street, Chicago 11, Ill.		
List of inspected gas, oil, and miscellaneous appliances with reference to fire safety.....		Free

MAGAZINE ARTICLES

The following magazine articles may be consulted at local libraries or obtained from the publishers:

American Builder, Simmons-Boardman Publishing Corporation,  
79 W. Monroe Street, Chicago 3, Ill.

- Aug. 1939, p. 70 - - - "Outdoor grilles and barbecue fireplaces."
- Sept. 1943, p. 34 - - - "Solar heating for post-war homes."
- July 1944, p. 74 - - - "How to build an outdoor fireplace."
- July 1944, p. 78 - - - "How to determine fireplace flues."
- June 1947, pp. 85-89 - "Gravity warm air heating."
- July 1947, pp. 68-73 - "Forced warm air heating."
- Aug. 1947, pp. 92-99 - "One pipe steam heating."
- Sept. 1947, pp. 92-97 - "One pipe hot water heating."
- Oct. 1947, pp. 128-134 "Radiant heating with hot water floor and ceiling panels."
- Dec. 1947, pp. 95-99 - "Heating with floor furnaces."
- Jan. 1948, pp. 81-85 - "Radiant heating with warm air."
- Feb. 1948, pp. 120-125 "Radiant floor panel heating with hot water."
- Mar. 1948, pp. 91-95 - "Radiant baseboard heating."
- June 1948, p. 108 - - "Heating - as it applies to the builder and architect."
- Sept. 1949, p. 113 - - "How to build an outdoor fireplace" - Diagrams.

American Home, 444 Madison Avenue, New York 22, N. Y.

- June 1935, pp. 32-35 - Illustrations and details of several kinds of outdoor fireplaces and kitchens.
- Feb. 1936, p. 52 - - - "Cabin fireplaces that really do work."
- Feb. 1939, p. 89 - - - "Where there's smoke there's no fire."
- Feb. 1939, p. 32 - - - "Heating the temporary home."
- Oct. 1941, p. 76 - - - "Without charm it's not a real home hearth."
- Feb. 1946, p. 33 - - - "Barbecues for summer living."
- May 1949, pp. 121-125 - "Closing down the heating plant." Care of equipment; illustrated.

Architectural Forum, 350 Fifth Avenue, New York 1, N. Y.

- Nov. 1949, p. 100 - - - "Panel heating survey."

Architectural Record, 119 W. 40th Street, New York 18, N. Y.

- July 1938, pp. 85-92 - Pictures of 25 different fireplaces.
- Aug. 1943, p. 62 - - - "Practical radiant heating."
- Dec. 1945, pp. 123-128 "What's ahead in house heating."
- Nov. 1947, pp. 121-125 "Recent developments in residence heating." Part I.
- Mar. 1948, pp. 145-148 "Recent developments in residence heating." Part II.
- Apr. 1948, pp. 145-149 "Practical aspects of the heat pump."
- Sept. 1948, pp. 138-142 "Electric radiant heating systems."
- Mar. 1949, p. 133 - - "Second thoughts on radiant heating." Some do's and don'ts to insure good performance.
- Mar. 1949, p. 136 - - "Test house heated only by solar heat (Dr. Maria Telkes of M.I.T.)"
- Apr. 1949, p. 139 - - "Progress in house heating equipment."
- Apr. 1949, p. 135 - - "M.I.T. builds solar-heated house."
- Aug. 1949, p. 146 - - "Heating systems for houses."
- Aug. 1949, pp. 146-153 "Heating systems for houses." (Time-Saver Standards)
- Sept. 1949, pp. 146-155 "Heating systems for houses." Layout diagrams and parts illustrated.

- Building Standards Monthly, Pacific Coast Building Officials Conference,  
124 W. Fourth Street, Los Angeles 13, Calif.  
Dec. 1938, p. 4 - - - "Chimney fires and chimney construction."  
Sept. 1939, p. 7 - - - "A discussion of chimneys and flues."
- Building Supply News, 5 So. Wabash Avenue, Chicago 3, Ill.  
June 1936, p. 37 - - - "Fireplace design."  
July 1938, pp. 40-45 - "How to plan and build efficient fireplaces."
- Engineering News-Record, 330 W. 42nd Street, New York 18, N. Y.  
Sept. 1948, p. 83 - - - "Radiant heating quiz."
- National Real Estate and Building Journal, 427 6th Avenue S.E.,  
Cedar Rapids, Iowa  
Aug. 1948, p. 16 - - - "Baseboard heating hits its stride."  
Sept. 1948, pp. 28, 29, 34 "Let's look at convector heating."
- Practical Builder, 5 So. Wabash Avenue, Chicago 3, Ill.  
Mar. 1948, p. 112 - - - "How to avoid fireplace troubles."  
Mar. 1948, p. 52 - - - "Radiant panel heating."  
July 1948, p. 40 - - - "Ideas in warm air heating panels."  
June 1949, pp. 58-64 - "The 'know-how' for chimney construction."  
July 1949, pp. 64-68 - "An easier way to build fireplaces."  
Oct. 1949, pp. 63-64 - "Planning aids solid fuel handling" - Illustrated.
- Progressive Architecture (Pencil Points), 330 W. 42nd Street, New York 18, N. Y.  
Feb. 1937, p. 117 - - - "Outdoor fireplaces."  
Sept. 1946, pp. 87-91 - "Electric radiant heat."  
Feb. 1948, pp. 76-78 - "Warm air radiant heating."  
Sept. 1949, pp. 82-85 - "Heating: Choosing the right heating system." Basic advantages, limitations, and characteristics of the principle heating systems.

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