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Building materials and structures reports.

March 1952  
LP 11

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LP 11  
(supersedes  
LC 999)

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LP11BUILDING MATERIALS AND STRUCTURES REPORTS:

Listed Numerically and by Subject

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## GENERAL INFORMATION

The Building Materials and Structures Reports listed herein contain results of laboratory tests conducted at the National Bureau of Standards. They describe structural and other properties of building materials and structural elements as well as the performance of mechanical equipment for use in houses. The reports may be obtained from the Superintendent of Documents, Government Printing Office, Washington 25, D. C., at prices quoted, those out of print being indicated by an asterisk. Out of print reports, not available by purchase, may be consulted in Government depository libraries.

Prices shown are for delivery to addresses in the United States and its possessions and in certain foreign countries which extend the franking privilege. For other countries, one-third the cost of the publication should be added to cover postage. To receive reports immediately upon release, a deposit of \$5.00 may be placed with the Superintendent of Documents against which charges will be made until the deposit is exhausted. A discount of 25 percent is allowed on orders for 100 or more copies. Upon request, notices of the issuance of new reports will be sent free of charge.

Announcement of all new Bureau publications is made each month in the Technical News Bulletin which is obtainable from the Superintendent of Documents by subscription for \$1.00 a year in the United States, Canada, Cuba, Mexico, Newfoundland, and Republic of Panama; other countries at \$1.35. The Technical News Bulletin also carries summary reports on the Bureau's current research activities in the physical sciences. Circular 460, a complete list of the Bureau's publications, is also sold by the Superintendent of Documents.

NUMERICAL LIST OF BMS REPORTS

<u>Title</u>	<u>BMS No.</u>	<u>Price</u>
Research on Building Materials and Structures for Use in Low-Cost Housing . . . . .	1	(*)
Methods of Determining the Structural Properties of Low-Cost House Constructions . . . . .	2	10¢
Suitability of Fiber Insulating Lath as a Plaster Base . . . . .	3	15¢
Accelerated Aging of Fiber Building Boards . . . . .	4	10¢
Structural Properties of Six Masonry Wall Constructions . . . . .	5	20¢
Survey of Roofing Materials in the Southeastern States . . . . .	6	15¢
Water Permeability of Masonry Walls . . . . .	7	(*)
Methods of Investigation of Surface Treatment for Corrosion Protection of Steel . . . . .	8	15¢
Structural Properties of the Insulated Steel Construction Co.'s "Frameless-Steel" Constructions for Walls, Partitions, Floors, and Roofs . . . . .	9	10¢
Structural Properties of One of the "Keystone Beam Steel Floor" Constructions Sponsored by the H. H. Robertson Co. . . . .	10	10¢
Structural Properties of the Curren Fabrihome Corporation's "Fabrihome" Constructions for Walls and Partitions . . . . .	11	10¢
Structural Properties of "Steelox" Constructions for Walls, Partitions, Floors, and Roofs Sponsored by Steel Buildings, Inc. . . . .	12	15¢
Properties of Some Fiber Building Boards of Current Manufacture . . . . .	13	10¢
Indentation and Recovery of Low-Cost Floor Coverings . . . . .	14	10¢
Structural Properties of "Wheeling Long-Span Steel Floor" Construction Sponsored by the Wheeling Corrugating Co. . . . .	15	10¢
Structural Properties of a "Tilecrete" Floor Construction Sponsored by Tilecrete Floors, Inc. . . . .	16	10¢
Sound Insulation of Wall and Floor Constructions . . . . .	17	20¢
Sound Insulation of Wall and Floor Constructions (Supplement 1) . . . . .	17	5¢
Sound Insulation of Wall and Floor Constructions (Supplement 2) . . . . .	17	15¢
Structural Properties of "Pre-Fab" Constructions for Walls, Partitions, and Floors Sponsored by the Harnischfeger Corporation . . . . .	18	10¢
Preparation and Revision of Building Codes . . . . .	19	(**)
Structural Properties of "Twachtman" Constructions for Walls and Floors Sponsored by Connecticut Pre-Cast Buildings Corp. . . . .	20	10¢
Structural Properties of a Concrete-Block Cavity-Wall Construction Sponsored by the National Concrete Masonry Association . . . . .	21	10¢
Structural Properties of "Dun-Ti-Stone" Wall Construction Sponsored by the W. E. Dunn Manufacturing Co. . . . .	22	10¢
Structural Properties of a Brick Cavity-Wall Construction Sponsored by the Brick Manufacturers Association of New York, Inc. . . . .	23	10¢
Structural Properties of a Reinforced-Brick Wall Construction and a Brick-Tile Cavity-Wall Construction Sponsored by the Structural Clay Products Institute . . . . .	24	15¢
Structural Properties of Conventional Wood-Frame Constructions for Walls, Partitions, Floors, and Roofs . . . . .	25	20¢

\*Out of print  
 \*\*Superseded by BMS 116

<u>Title</u>	<u>BMS No.</u>	<u>Price</u>
Structural Properties of "Nelson Pre-Cast Concrete Foundation" Wall Construction Sponsored by the Nelson Cement Stone Co., Inc. . . . .	26	10¢
Structural Properties of "Bender Steel Home" Wall Construction Sponsored by The Bender Body Co. . . . .	27	10¢
Backflow Prevention in Over-Rim Water Supplies . . . . .	28	15¢
Survey of Roofing Materials in the Northeastern States . . . . .	29	20¢
Structural Properties of a Wood-Frame Wall Construction Sponsored by the Douglas Fir Plywood Association . . . . .	30	15¢
Structural Properties of "Insulite" Wall and "Insulite" Partition Constructions Sponsored by the Insulite Co. . . . .	31	25¢
Structural Properties of Two Brick-Concrete-Block Wall Constructions and a Concrete-Block Wall Construction Sponsored by the National Concrete Masonry Association . . . . .	32	15¢
Plastic Calking Materials . . . . .	33	15¢
Performance Test of Floor Coverings for Use in Low-Cost Housing: Part 1 . . . . .	34	15¢
Stability of Sheathing Papers as Determined by Accelerated Aging . . . . .	35	(*)
Structural Properties of Wood-Frame Wall, Partition, Floor, and Roof Constructions with "Red Stripe" Lath Sponsored by the Weston Paper and Manufacturing Co. . . . .	36	10¢
Structural Properties of "Palisade Homes" Constructions for Walls, Partitions, and Floors, Sponsored by Palisade Homes . . . . .	37	(*)
Structural Properties of Two "Dunstone" Wall Constructions Sponsored by the W. E. Dunn Manufacturing Co. . . . .	38	10¢
Structural Properties of a Wall Construction of "Pfeifer Units" Sponsored by the Wisconsin Units Co. . . . .	39	10¢
Structural Properties of a Wall Construction of "Knap Concrete Wall Units" Sponsored by Knap America, Inc. . . . .	40	(*)
Effect of Heating and Cooling on the Permeability of Masonry Walls . . . . .	41	(*)
Structural Properties of Wood-Frame Wall and Partition Constructions with "Celotex" Insulating Boards Sponsored by the Celotex Corporation . . . . .	42	15¢
Performance Test of Floor Coverings for Use in Low-Cost Housing: Part 2 . . . . .	43	15¢
Surface Treatment of Steel Prior to Painting . . . . .	44	10¢
Air Infiltration Through Windows . . . . .	45	(*)
Structural Properties of "Scot-Bilt" Prefabricated Sheet-Steel Constructions for Walls, Floors, and Roofs Sponsored by The Globe-Wernicke Co. . . . .	46	(*)
Structural Properties of Prefabricated Wood-Frame Constructions for Walls, Partitions, and Floors Sponsored by American Houses, Inc. . . . .	47	20¢
Structural Properties of "Precision-Built" Frame Wall and Parti- tion Constructions Sponsored by the Homasote Co. . . . .	48	15¢
Metallic Roofing for Low-Cost House Construction . . . . .	49	20¢
Stability of Fiber Building Boards as Determined by Accelerated Aging . . . . .	50	10¢

\*Out of Print

<u>Title</u>	<u>BMS No.</u>	<u>Price</u>
Structural Properties of "Tilecrete Type A" Floor Construction Sponsored by the Tilecrete Corporation . . . . .	51	10¢
Effect of Ceiling Insulation on Summer Comfort . . . . .	52	15¢
Structural Properties of a Masonry Wall Construction of "Munlock Dry Wall Brick" Sponsored by the Munlock Engineering Co. . . . .	53	10¢
Effect of Soot on the Rating of an Oil-Fired Heating Boiler . . . . .	54	10¢
Effects of Wetting and Drying on the Permeability of Masonry Walls . . . . .	55	10¢
A Survey of Humidities in Residences . . . . .	56	10¢
Roofing in the United States--Results of a Questionnaire . . . . .	57	(*)
Strength of Soft-Soldered Joints in Copper Tubing . . . . .	58	10¢
Properties of Adhesives for Floor Coverings . . . . .	59	15¢
Strength, Absorption, and Resistance to Laboratory Freezing and Thawing of Building Bricks Produced in the United States . . . . .	60	30¢
Structural Properties of Two Nonreinforced Monolithic Concrete Wall Constructions . . . . .	61	10¢
Structural Properties of a Precast Joist Concrete Floor Con- struction Sponsored by the Portland Cement Association . . . . .	62	15¢
Moisture Condensation in Building Walls . . . . .	63	15¢
Solar Heating of Various Surfaces . . . . .	64	10¢
Methods of Estimating Loads in Plumbing Systems . . . . .	65	15¢
Plumbing Manual . . . . .	66	35¢
Structural Properties of "Mu-Steel" Prefabricated Sheet-Steel Constructions for Walls, Partitions, Floors, and Roofs Sponsored by Herman A. Mugler . . . . .	67	15¢
Performance Test of Floor Coverings for Use in Low-Cost Housing: Part 3 . . . . .	68	20¢
Stability of Fiber Sheathing Boards as Determined by Accelerated Aging . . . . .	69	10¢
Asphalt-Prepared Roll Roofings and Shingles . . . . .	70	20¢
Fire Tests of Wood- and Metal-Framed Partitions . . . . .	71	20¢
Structural Properties of "Precision-Built, Jr." Prefabricated Wood-Frame Wall Construction Sponsored by the Homasote Co. . . . .	72	10¢
Indentation Characteristics of Floor Coverings . . . . .	73	10¢
Structural and Heat-Transfer Properties of "U.S.S. Panelbilt" Prefabricated Sheet-Steel Constructions for Walls, Partitions, and Roofs Sponsored by the Tennessee Coal, Iron, and Railroad Co. . . . .	74	20¢
Survey of Roofing Materials in the North Central States . . . . .	75	15¢
Effect of Outdoor Exposure on the Water Permeability of Masonry Walls . . . . .	76	15¢
Properties and Performance of Fiber Tile Boards . . . . .	77	10¢
Structural, Heat-Transfer, and Water-Permeability Properties of Five Earth-Wall Constructions . . . . .	78	25¢
Water-Distributing Systems for Buildings . . . . .	79	20¢
Performance Tests of Floor Coverings for Use in Low-Cost Housing: Part 4 . . . . .	80	15¢
Field Inspectors' Check List for Building Constructions (cloth cover, 5 x 7 1/2 inches) . . . . .	81	30¢
Water Permeability of Walls Built of Masonry Units . . . . .	82	25¢

\*Out of Print

<u>Title</u>	<u>BMS No.</u>	<u>Price</u>
Strength of Sleeve Joints in Copper Tubing Made with Various Lead-Base Solders . . . . .	83	15¢
Survey of Roofing Materials in the South Central States . . . . .	84	15¢
Dimensional Changes of Floor Coverings with Changes in Relative Humidity and Temperature . . . . .	85	10¢
Structural, Heat-Transfer, and Water-Permeability Properties of "Speedbrik" Wall Construction Sponsored by the General Shale Products Corporation . . . . .	86	15¢
A Method for Developing Specifications for Building Construction . . . . .	87	20¢
Recommended Building Code Requirements for New Dwelling Construction with Special Reference to War Housing . . . . .	88	(*)
Structural Properties of "Precision-Built, Jr." (Second Construction) Prefabricated Wood-Frame Wall Construction Sponsored by the Homasote Co. . . . .	89	15¢
Structural Properties of "PHC" Prefabricated Wood-Frame Constructions for Walls, Floors, and Roofs Sponsored by the PHC Housing Corporation . . . . .	90	15¢
A Glossary of Housing Terms . . . . .	91	15¢
Fire-Resistance Classifications of Building Construction . . . . .	92	30¢
Accumulation of Moisture in Walls of Frame Construction During Winter Exposure . . . . .	93	10¢
Water Permeability and Weathering Resistance of Stucco-Faced, Gunite-Faced, and "Knap Concrete Unit" Walls . . . . .	94	15¢
Tests of Cement-Water Paints and Other Waterproofings for Unit-Masonry Walls . . . . .	95	25¢
Properties of a Porous Concrete of Cement and Uniform-Sized Gravel . . . . .	96	10¢
Experimental Dry-Wall Construction with Fiber Insulating Board . . . . .	97	10¢
Physical Properties of Terrazzo Aggregates . . . . .	98	15¢
Structural and Heat-Transfer Properties of "Multiple Box-Girder Plywood Panels" for Walls, Floors, and Roofs . . . . .	99	15¢
Relative Slipperiness of Floor and Deck Surfaces . . . . .	100	10¢
Strength and Resistance to Corrosion of Ties for Cavity Walls . . . . .	101	10¢
Painting Steel . . . . .	102	10¢
Measurements of Heat Losses from Slab Floors . . . . .	103	15¢
Structural Properties of Prefabricated Plywood Lightweight Constructions for Walls, Partitions, Floors, and Roofs Sponsored by the Douglas Fir Plywood Association . . . . .	104	30¢
Paint Manual . . . . .	105	\$1.25
Laboratory Observations of Condensation in Wall Specimens . . . . .	106	10¢
Building Code Requirements for New Dwelling Construction . . . . .	107	(*)
Temperature Distribution in a Test Bungalow with Various Heating Devices . . . . .	108	15¢
Strength of Houses: The Application of Engineering Principles to Structural Design . . . . .	109	\$1.50
Paints for Exterior Masonry Walls . . . . .	110	15¢
Performance of a Coal-Fired Boiler Converted to Oil . . . . .	111	15¢
Properties of Some Lightweight-Aggregate Concretes with and without an Air-Entraining Admixture . . . . .	112	10¢
Fire Resistance of Structural Clay Tile Partitions . . . . .	113	15¢

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<u>Title</u>	<u>BMS No.</u>	<u>Price</u>
Temperatures in a Test Bungalow with Some Radiant and Jacketed Space Heaters . . . . .	114	25¢
A Study of a Baseboard Convectur Heating System in a Test Bungalow . .	115	15¢
Preparation and Revision of Building Codes . . . . .	116	15¢
Fire Resistance of Walls of Lightweight-Aggregate Concrete Masonry Units . . . . .	117	20¢
Stack Venting of Plumbing Fixtures . . . . .	118	15¢
Wet Venting of Plumbing Fixtures . . . . .	119	20¢
Fire Resistance of Walls of Gravel-Aggregate Concrete Masonry Units .	120	15¢
Investigation of Failures of White-Coat Plasters . . . . .	121	25¢
Physical Properties of Some Samples of Asbestos-Cement Siding . . . .	122	15¢
Fire Tests of Wood-Framed Walls and Partitions With Asbestos- Cement Facings . . . . .	123	15¢
Fire Tests of Steel Columns Protected With Siliceous Aggregate Concrete . . . . .	124	15¢
Stone Exposure Test Wall . . . . .	125	30¢
Self-Siphonage of Fixture Traps . . . . .	126	20¢
Effect of Aging on the Soundness of Regularly Hydrated Dolomitic Lime Putties . . . . .	127	**
Atmospheric Exposure Tests of Nailed Sheet Metal Building Materials .	128	**
Fire Resistance of Shutters for Moving-Stairway Openings . . . . .	129	10¢
Methods and Equipment for Testing Printed-Enamel Felt-Base Floor Coverings . . . . .	130	**
Fire Tests of Gunitite Slabs and Partitions . . . . .	131	**
Capacities of Plumbing Stacks in Buildings . . . . .	132	**
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<i>Studies of stone-setting mortars.</i> _____	<i>139</i>	
<i>Selected bibliography on building construction and maintenance</i> _____	<i>140</i>	
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SUBJECT LIST OF BMS REPORTS

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STRUCTURAL PROPERTIES

	<u>General</u>	<u>BMS No.</u>	<u>Price</u>
Structural properties of house constructions, methods of determining		2	10¢
Strength of houses: The application of engineering principles		109	\$1.50
<u>Brick Constructions</u>			
<u>Cavity walls</u>			
Brick	Brick Mfrs. Assn. of New York, Inc.	23	10¢
Brick-tile	Structural Clay Products Inst.	24	15¢
Ties for, corrosion of		101	10¢
<u>Solid walls</u>			
Masonry:			
brick, structural clay tile		5	20¢
"Munlock Dry Wall Brick"	Munlock Engineering Co.	53	10¢
Reinforced-brick	Structural Clay Products Inst.	24	15¢
"Speedbrik"	General Shale Products Corporation	86	15¢
<u>Concrete Constructions</u>			
<u>Cavity walls</u>			
Concrete-block	National Concrete Masonry Assn.	21	10¢
"Dunstone"	W. E. Dunn Mfg. Co.	38	10¢
"Dun-Ti-Stone"	W. E. Dunn Mfg. Co.	22	10¢
"Twachtman" (walls and floors)	Connecticut Pre-Cast Bldgs. Corp.	20	10¢
<u>Monolithic walls</u>			
Two nonreinforced		61	10¢
<u>Solid walls</u>			
Concrete-block	National Concrete Masonry Assn.	32	15¢
"Nelson Pre-Cast Concrete			
Foundation"	Nelson Cement Stone Co., Inc.	26	10¢
"Pfeifer Units"	Wisconsin Units Co.	39	10¢
<u>Porous concrete</u>			
Properties of		96	10¢
<u>Lightweight concretes</u>			
Properties of		112	10¢



STRUCTURAL PROPERTIES--Continued

		<u>BMS No.</u>	<u>Price</u>
<u>Combination Masonry Constructions</u>			
<u>Cavity walls</u>			
Brick facing, tile backing	Structural Clay Products Inst.	24	15¢
<u>Solid walls</u>			
Brick facing, concrete-block backing	National Concrete Masonry Assn.	32	15¢
<u>Rammed-Earth Constructions</u>			
<u>Monolithic walls</u>			
Rammed-earth )			
"Terracrete" )		78	25¢
<u>Solid walls</u>			
Adobe block )			
"Bitudobe" block )			
"Terracrete" block )		78	25¢
<u>Metal Constructions</u>			
<u>Prefabricated walls</u>			
"Frameless-Steel"			
(walls, partitions, floors, roofs)	Insulated Steel Constr. Co.	9	10¢
"U.S.S. Panelbilt"			
(walls, partitions, roofs)	Tenn. Coal, Iron and R.R. Co.	74	20¢
<u>Combination Metal and Other Materials</u>			
<u>Prefabricated walls</u>			
"Bender Steel Home"	Bender Body Co.	27	10¢
"Fabrihome" (walls and partitions)	Curren Fabrihome Corp.	11	10¢
"Frameless-Steel"			
(walls, partitions, floors, roofs)	Insulated Steel Constr. Co.	9	10¢
"Mu-Steel"			
(walls, partitions, floors, roofs)	Herman A. Mugler	67	15¢
"Pre-Fab"			
(walls, partitions, floors)	Harnischfeger Corporation	18	10¢
"Steelox"			
(walls, partitions, floors, roofs)	Steel Buildings, Inc.	12	15¢

STRUCTURAL PROPERTIES--Continued

		<u>BMS No.</u>	<u>Price</u>
<u>Wood-Frame Construction</u>			
<u>Conventional</u>			
"Celotex" covered Conventional (walls, partitions, floors, roofs)	Celotex Corporation	42	15¢
Plywood covered	Forest Products Laboratory Douglas Fir Plywood Assn.	25	20¢
"Red Stripe" lath and plaster (walls, partitions, floors, roofs)	Weston Paper Co.	30	15¢
		36	10¢
<u>Prefabricated</u>			
Homasote covered "Precision-Built" (walls, partitions)	Homasote Co.	48	15¢
Homasote covered "Precision-Built, Jr"	Homasote Co.	72	10¢
Homasote covered "Precision-Built, Jr" (2nd construction)	Homasote Co.	89	15¢
"Insulite" sheathing and building board (walls and partitions)	The Insulite Co.	31	25¢
Multiple box girder plywood panel	Wittner	99	15¢
"PHC" (walls, floors, roofs)	PHC Housing Corporation	90	15¢
Plywood, lightweight (walls, partitions, floors, roofs)	Douglas Fir Plywood Assn.	104	30¢
Wood-frame (walls, partitions, floors)	American Houses, Inc.	47	20¢

Floor Constructions

<u>Prefabricated</u>			
Precast joist concrete	Portland Cement Assn.	62	15¢
<u>Reinforced concrete</u>			
"Tilecrete": tile fillers	Tilecrete Floors, Inc.	16	10¢
"Tilecrete Type A": asbestos- cement fillers	Tilecrete Co.	51	10¢
<u>Steel</u>			
"Keystone Beam Steel Floor"	H. H. Robertson Co.	10	10¢
"Wheeling Long-Span Steel Floor"	Wheeling Corrugating Co.	15	10¢

CODES AND SPECIFICATIONS

<u>Building codes</u> , preparation and revision of	116	15¢
<u>Specifications</u> , building, method for developing	87	20¢

## FIBER MATERIALS

	BMS No.	Price
<u>Building boards</u> , accelerated aging of	4	10¢
properties of current products	13	10¢
stability of	50	10¢
<u>Fiber insulation board</u> , dry-wall construction	97	10¢
<u>Fiber tile boards</u> , properties and performance	77	10¢
<u>Insulating lath</u> , suitability of, as plaster base	3	15¢
<u>Sheathing boards</u> , stability of	69	10¢

## FIRE RESISTANCE

<u>Fire-Resistance</u> , classifications of building constructions	92	30¢
partitions, structural clay tile	113	15¢
walls, lightweight-aggregate concrete units	117	20¢
walls, gravel-aggregate concrete units	120	15¢
shutters for moving-stairway openings	129	10¢
<u>Fire-Tests</u> , partitions, wood- and metal-framed	71	20¢
wood-framed walls & partitions, asbestos cement facings	123	15¢
steel columns protected with siliceous aggregate concrete	124	15¢
gunite slabs and partitions	131	*

## FLOOR COVERINGS

<u>Adhesives</u> for, properties	59	15¢
<u>Dimensional changes</u> of, humidity and temperature	85	10¢
<u>Floor and deck surfaces</u> , relative slipperiness of	100	10¢
<u>Indentation</u> characteristics	73	10¢
and recovery	14	10¢
<u>Performance tests</u> , Part 1	34	15¢
Part 2	43	15¢
Part 3	68	20¢
Part 4	80	15¢
<u>Printed-enamel felt-base</u> , testing methods	130	*

## HEATING AND VENTILATING

<u>Accumulation of moisture</u> in frame walls	93	10¢
<u>Condensation of moisture</u> in building walls	63	15¢
Condensation in wall specimens, laboratory observations of	106	10¢
<u>Effect of soot</u> on rating of oil-fired heating boiler	54	10¢
<u>Heat losses</u> from slab floors	103	15¢
<u>Humidities</u> in residences	56	10¢
<u>Performance of boiler</u> , coal-fired converted to oil	111	15¢
<u>Solar heating</u> of various surfaces (effect of painting)	64	10¢
<u>Study of baseboard convector heating system</u> in Test Bungalow	115	15¢
<u>Temperature distribution</u> with various heating devices	108	15¢
<u>Temperatures</u> in Test Bungalow with radiant and jacketed space heaters	114	25¢

\*In press

INSULATION: Thermal and Acoustical

	BMS No.	Price
<u>Effect of ceiling insulation upon summer comfort</u>	52	15¢
<u>Sound insulation of wall and floor constructions</u>	17	
and Supplements 1 & 2	1 & 2	40¢

PAINTING

<u>Paints: cement-water and waterproofing for unit-masonry walls for exterior masonry walls</u>	95	25¢
<u>Paint Manual: with particular reference to Federal specifications</u>	110	15¢
<u>Steel, painting</u>	105	\$1.25
surface treatment for corrosion protection	102	10¢
prior to painting	8	15¢
	44	10¢

PERMEABILITY

<u>Building bricks, effect of freezing and thawing</u>	60	30¢
<u>Masonry walls, outdoor exposure</u>	76	15¢
water permeability	82	25¢
wetting and drying	55	10¢
<u>Stucco-faced, Gunitite-faced, and "Knap Concrete-Unit", water permeability and weathering resistance</u>	94	15¢

PLASTER

<u>Plaster failures, white-coat</u>	121	20¢
<u>Lime putties, dolomitic, effect of aging</u>	127	*

PLUMBING

<u>Backflow prevention in over-rim water supplies</u>	28	15¢
<u>Lead-base solders, sleeve joints in copper tubing made with</u>	83	15¢
<u>Loads in plumbing systems, methods of estimating</u>	65	15¢
<u>Plumbing Manual</u>	66	35¢
<u>Soft-soldered joints in copper tubing, strength of</u>	58	10¢
<u>Stack venting of fixtures</u>	118	15¢
<u>Water-distributing systems for buildings</u>	79	20¢
<u>Wet Venting of fixtures</u>	119	20¢
<u>Self-siphonage of fixture traps</u>	126	20¢
<u>Plumbing stacks, capacities of</u>	132	*

\*In press

## ROOFING AND SIDING

	<u>BMS No.</u>	<u>Price</u>
<u>Asphalt-prepared</u> , roll roofing, and shingles	70	20¢
<u>Metallic</u> , for low-cost house construction	49	20¢
<u>Survey</u> : North Central States	75	15¢
Northeastern States	29	20¢
Southeastern States	6	15¢
South Central States	84	15¢
<u>Siding</u> , asbestos-cement, physical properties	122	15¢

## MISCELLANEOUS

<u>Calking materials</u> , plastic	33	15¢
<u>Check list</u> for building construction, field inspectors'	81	30¢
<u>Glossary</u> , housing terms	91	15¢
<u>Terrazzo aggregates</u> , physical properties of	98	15¢
<u>Ties for cavity walls</u> , corrosion of	101	10¢
<u>Nailed sheet metal</u> building materials, tests of	128	"
<u>Stone exposure test wall</u>	125	30¢

\*In press