

(Revised to March 15, 1941)

STRUCTURAL CLAY PRODUCTS, STONE, AND MASONRY

Publications by Members of the Staff of the National Bureau of Standards, together with a list of Federal Specifications.

	<u>CONTENTS</u>	<u>Page</u>
Part I	- Scientific Papers (S).....	3
Part II	- Technologic Papers (T).....	3
Part III	- Research Papers (RP).....	5
Part IV	- Circulars (C).....	8
Part V	- Letter Circulars (LC).....	8
Part VI	- Building and Housing Publications (BH).	9
Part VII	- Building Materials and Structures (BMS)	9
Part VIII	- Simplified Practice Recommendations (R)	11
Part IX	- Federal Specifications (FS).....	11
Part X	- Outside Publications.	12

GENERAL INFORMATION

Some of the publications in this list have appeared in the regular series of publications of the Bureau and others in various scientific and technical journals. Unless specifically stated, papers are not obtainable from the National Bureau of Standards.

Where the price is stated, the publication can be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C. The prices quoted are for delivery to addresses in the United States and its territories and possessions and in certain countries which extend the franking privilege. In the case of all other countries, one-third the cost of the publication should be added to cover postage. 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" and sent to him with order. Letter Circulars are obtainable, without charge, from the Bureau. Publications marked "OP" are out of print, but, in general, may be consulted at technical libraries.

For papers in other scientific or technical journals, the name of the journal or of the organization publishing the article is given in abbreviated form with the volume number (underscored), page, and year of publication, in the order named.

Serial letters are used to designate the several series of Bureau publications:

S = "Scientific Paper." S1 to S329 are "Reprints" from the "Bulletin of the Bureau of Standards." S330 to S572 were published as "Scientific Papers of the Bureau of Standards." This series was superseded by the "Bureau of Standards Journal of Research" in 1928.

T = "Technologic Paper." T1 to T370. This series was superseded by the "Bureau of Standards Journal of Research" in 1928.

RP= "Research Paper." These are reprints of articles appearing in the "Bureau of Standards Journal of Research" and the "Journal of Research of the National Bureau of Standards," the latter being the title of this periodical since July 1934 (volume 13, number 1).

BH = "Building and Housing" publication.

BMS= "Building Materials and Structures" publication.

C = "Circular."

LC = "Letter Circular."

R = "Simplified Practice Recommendation."

Circular C24 and supplements, the complete list of the Bureau's publications (1901-1936), is sold by the Superintendent of Documents for 55 cents. Announcement of new publications is made each month in the Technical News Bulletin which is obtainable by subscription at 50 cents per year.

PART I - SCIENTIFIC PAPERS

	<u>Series</u>	<u>Price</u>
Transmission and absorption of sound by some building materials. E. A. Eckhardt and V. L. Chrisler. Sci. Pap. BS <u>21</u> , 37(1926-27).	S526	OP
Transmission of sound through building materials. V. L. Chrisler. Sci. Pap. BS <u>22</u> , 227 (1927-28)	S552	OP

PART II - TECHNOLOGIC PAPERS

	<u>Series</u>	<u>Price</u>
The effect of overfiring upon the structure of clays. A. V. Bleining and E. T. Montgomery. Tech. Pap. BS. <u>3</u> , (1913).	T22	OP
Durability of stucco and plaster construction. R. J. Wig, J. C. Pearson and W. E. Emley. Tech. Pap. BS <u>7</u> , (1916-17).	T70	OP
Manufacture and properties of sand-lime brick. W. E. Emley. Tech. Pap. BS <u>9</u> , (1916-17).	T85	OP
Compressive strength of large brick piers. J. C. Bragg. Tech. Pap. BS <u>11</u> , (1918-19).	T111	OP
Tests of hollow building tiles. B. D. Hathcock and E. Skillman. Tech. Pap. BS <u>11</u> , (1919).	T120	OP
Physical and chemical tests of the commercial marbles of the United States. D. W. Kessler. Tech. Pap. BS <u>12</u> , (1919).	T123	OP
Heat insulating properties of building materials. W. A. Hull. Tech. Pap. BS <u>12</u> , (1919).	T130	OP
Measurement of plasticity of mortars and plasters. W. E. Emley. Tech. Pap. BS <u>13</u> , (1919).	T169	OP
Fire tests of building columns. S. H. Ingberg, H. K. Griffin, W. C. Robinson and R. E. Wilson. Tech. Pap. BS <u>15</u> , (1921).	T184	75¢
Tests of a hollow tile and concrete floor slab reinforced in two directions. W. A. Slater, A. Hagener and C. P. Anthos. Tech. Pap. BS <u>16</u> , 727(1921-22).	T220	25¢
Loading tests of a hollow tile and reinforced concrete floor of Arlington Building, Washington, D. C. L. J. Larson and S. N. Petrenko. Tech. Pap. BS <u>17</u> , 405 (1922-24).	T236	OP
Some compressive tests of hollow tile walls. H. L. Whittemore and B. D. Hathcock. Tech. Pap. BS <u>17</u> , 513(1922-24).	T238	OP
Exposure tests on colorless waterproofing materials. D. W. Kessler. Tech. Pap. BS <u>18</u> , 1(1924-25).	T248	0

PART II - TECHNOLOGIC PAPERS (Continued)

	<u>Series</u>	<u>Price</u>
Equalizer apparatus for transverse tests of bricks. H. L. Whittimore. Tech. Pap. BS <u>18</u> , 107(1924-25).	T251	OP
Compressive strength of sand-lime brick walls. H. L. Whittimore and A. H. Stang. Tech. Pap. BS <u>19</u> , 57(1924-25).	T276	10¢
Tests of hollow tile and concrete slabs reinforced in one direction. D. E. Parsons and A. H. Stang. Tech. Pap. BS <u>19</u> , 465 (1924-25).	T291	OP
Permeability of stone. D. W. Kessler. Tech. Pap. BS <u>20</u> , 155(1925-26).	T305	10¢
Durability of cement drain tile and concrete in alkali soils; fourth progress report (1923). G. M. Williams and I. Furlong. Tech. Pap. BS <u>20</u> , 191(1925-26).	T307	OP
Cement-lime mortars (with bibliography). H. V. Johnson. Tech. Pap. BS <u>20</u> , 241(1925-26).	T308	OP
Compressive and transverse strength of hollow-tile walls. A. H. Stang, D. E. Parsons and H. D. Foster. Tech. Pap. BS <u>20</u> , 317(1925-26).	T311	15¢
A portable apparatus for transverse tests of brick. A. H. Stang. Tech. Pap. BS <u>21</u> , 347(1925-26).	T341	OP
Physical properties of the principal commercial limestones used for building construction in the United States. D. W. Kessler and W. H. Sligh. Tech. Pap. BS <u>21</u> , 497(1926-27).	T340	30¢
A study of problems relating to the maintenance of interior marble. D. W. Kessler. Tech. Pap. BS <u>21</u> , 591(1926-27).	T350	35¢
Strength of interlocking-rib tile walls. A. H. Stang, D. E. Parsons and A. B. McDaniel. Tech. Pap. BS <u>22</u> , 339(1927-28).	T366	OP
Cause and prevention of kiln and dry-house scum and of efflorescence on face-brick walls. L. A. Palmer. Tech. Pap. BS <u>22</u> , 579(1927-28).	T370	OP

<u>PART III - RESEARCH PAPERS</u>	<u>Series</u>	<u>Price</u>
Studies of machines for extruding clay columns. Augers, spacers, and dies for brick machines. Paul C. Grunwell. BS J. Research 1, 1023(1928).	RP36	15¢
Fire resistance of hollow load-bearing wall tile. S. H. Ingberg and H. D. Foster. BS J. Research <u>2</u> , 1(1929).	RP37	75¢
Transmission of sound through wall and floor structures. V. L. Chrisler and W. F. Snyder. BS J. Research <u>2</u> , 541(1929).	RP48	OP
The compressive and transverse strength of brick. J. W. McBurney. BS J. Research <u>2</u> , 821(1929).	RP59	OP
Some absorption properties of clay bricks. L. A. Palmer. BS J. Research <u>3</u> , 105(1929).	RP88	OP
Compressive strength of clay brick walls. A.H. Stang, D. E. Parsons and J. W. McBurney. BS J. Research <u>3</u> , 507(1929).	RP108	OP
Tests of composite beams and slabs of hollow tile and concrete. D. E. Parsons and A. H. Stang. BS J. Research <u>4</u> , 815(1930).	RP181	15¢
Methods of measuring strains between glazes and ceramic bodies. H. G. Schurecht and G. R. Pole. BS J. Research <u>5</u> , 97(1930).	RP189	OP
Moisture expansion of glazes and other ceramic finishes. H. G. Schurecht and G. R. Pole. BS J. Research, <u>6</u> , 457(1931).	RP288	OP
Durability and strength of bond between mortar and brick. L. A. Palmer and J. V. Hall, Jr. BS J. Research <u>6</u> , 473(1931).	RP290	OP
Heat transfer through building walls. M. S. Van Dusen and J. L. Finck. BS J. Research 6, 493(1931).	RP291	OP
Factors affecting the strength of masonry of hollow units. D. E. Parsons. BS J. Research <u>6</u> , 857(1931).	RP310	5¢
Volume changes in brick masonry materials. L. A. Palmer. BS J. Research <u>6</u> , 1003(1931).	RP321	10¢

PART III - RESEARCH PAPERS (Continued)

	<u>Series</u>	<u>Price</u>
The physical properties of cast stone. J. Tucker, Jr., G. W. Walker and J. A. Swenson. BS J. Research <u>7</u> , 1037(1931).	RP389	5¢
Tests of integral and surface waterproofings for concrete. C. H. Jumper. BS J. Research, <u>7</u> , 1147(1931).	RP394	10¢
Physical properties and weathering characteristics of slate. D. W. Kessler and W. H. Sligh. BS J. Research <u>9</u> , 377(1932).	RP477	10¢
Shear tests of reinforced brick masonry beams. D. E. Parsons, A. H. Stang and J. W. McBurney. BS J. Research <u>9</u> , 749(1932).	RP504	CP
Compressive strength of steel columns incased in brick walls. A. L. Harris, A. H. Stang and J. W. McBurney. BS J. Research <u>10</u> , 123(1933).	RP520	5¢
Fire tests of columns protected with gypsum. N. D. Mitchell. BS J. Research <u>10</u> , 737 (1933).	RP563	5¢
Wear resistance of natural stone floorings. D. W. Kessler. BS J. Research <u>11</u> , 635(1933).	RP612	CP
Wear of dies for extruding plastic clay. R. T. Stull. BS J. Research <u>12</u> , 501(1934).	RP675	5¢
A study of the properties of mortars and bricks and their relation to bond. L. A. Palmer and D. A. Parsons. BS J. Research <u>12</u> , 609(1934).	RP683	5¢
Investigation of commercial masonry cements. J. S. Rogers and R. L. Blaine. J. Research NBS, <u>13</u> , 811 (1934)	RP746	CP
Experiments on exterior waterproofing materials for masonry. Daniel W. Kessler. J. Research NBS <u>14</u> , 317(1935).	RP771	5¢
Performance of a hollow-ware extrusion machine with different combinations of augers, spacers, and dies. P. V. Johnson and R. T. Stull. J. Research NBS <u>14</u> , 711(1935).	RP798	5¢

PART III - RESEARCH PAPERS (Continued)

	<u>Series</u>	<u>Price</u>
Action of "hypo" solution on stone tanks. Daniel W. Kessler. J. Research NBS <u>16</u> , 161(1936).	RP864	OP
Differences in lines as reflected in certain properties of masonry mortars. Lansing S. Wells, Dana L. Bishop and David Watstein. J. Research NBS <u>17</u> , 895(1936).	RP952	5¢
Compressive strength of structural tile masonry. Douglas E. Parsons and David Watstein. J. Research NBS <u>18</u> , 215(1937).	RP972	10¢
Accelerated weathering tests of mineral-surfaced asphalt shingles. Hubert R. Snoke and Braxton E. Gallup. J. Research NBS <u>19</u> , 669 (1937).	RP1002	10¢
The wick test for efflorescence of building brick- J. W. McBurney and D. E. Parsons. J. Research NBS <u>19</u> , No. 1, 105(July 1937). Also Proc. A.S.T.M. 37, Pt. II, 332(1937).	RP1015	5¢
Hydration of magnesia in dolomitic hydrated limes and putties. L. S. Wells and K. Taylor. J. Research NBS <u>19</u> , 215(1937).	RP1022	5¢
Strength, water absorption and resistance to freezing and thawing of sand-lime brick - J. W. McBurney and A. R. Eberle. J. Research NBS <u>20</u> , 67(1938).	RP1065	5¢
Relation between moisture content and flow-point pressure of plastic clay - Ray T. Stull and Paul V. Johnson. J. Research NBS <u>22</u> , 329 (1939).	RP1186	5¢
Properties of air-setting refractory-bonding mortars of the wet type. R. A. Heindl and W. L. Pendergast. J. Research NBS <u>23</u> , 7(1939).	RP1219	10¢
Particle size and plasticity of lime. D. L. Bishop. J. Research NBS <u>23</u> , 285(1939).	RP1232	5¢
Physical, mineralogical and durability studies on the building and monumental granites of the U. S. - D. W. Kessler, H. Insley and W. H. Sligh. J. Research NBS <u>25</u> , 161(1940).	RP1320	15¢

PART III - RESEARCH PAPERS (Continued)

	<u>Series</u>	<u>Price</u>
Some properties of the pore system in bricks and their relation to frost action. R.T. Stull and P. V. Johnson. J. Research NBS <u>25</u> , 711(1940).	RP1349	10¢

PART IV - CIRCULARS

Properties and manufacture of concrete building units.	C304	0P
Thermal insulation of buildings. (1929).	C376	5¢

PART V - LETTER CIRCULARS

(Free on application to Bureau) Series

Publications by the National Bureau of Standards on sand-lime brick.	LC146	
Publications relating to fire resistance and fire prevention.	LC165	
The fire resistance of brick walls - brick made of clay or shale.	LC228	
The fire resistance of brick walls - walls made of concrete or sand-lime brick.	LC229	
Specifications for portable testing machine for making transverse tests of building bricks.	LC266	
List of published material relating to home building and maintenance.	LC287	
Publications on acoustics by members of the staff of the National Bureau of Standards. (1937).	LC380	
The care of floors. (1941)	LC627	
Thermal insulation.	LC471	
Damp masonry walls above grade.	LC514	
Policy of the National Bureau of Standards with regard to tests for agencies outside the Bureau. (1939).	LC544	

PART V - LETTER CIRCULARS (Continued)

	<u>Series</u>
Sound absorption coefficients of the more common acoustic materials. (1939).	LC573
Classification of acoustic materials.	LC585
Building materials, building standards, home building: Publications of the National Bureau of Standards (list). (1940)	LC592

PART VI - BUILDING AND HOUSING

	<u>Series</u>	<u>Price</u>
Recommended minimum requirements for masonry wall construction. BH6 (1924).	BH6	15¢
Recommended minimum requirements for fire resistance in buildings. BH14 (1930).	BH14	10¢
Care and repair of the home. BH15 (1931).	BH15	15¢
Recommended minimum requirements for small dwelling construction. BH18 (1932).	BH18	10¢

PART VII - BUILDING MATERIALS AND STRUCTURES

Structural properties of six masonry wall constructions. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1938).	BMS5	15¢
Water permeability of masonry walls. C. C. Fishburn, D. Watstein, and D. E. Parsons. (1938).	BMS7	10¢
Structural properties of a "Tilecrete" floor construction sponsored by Tilecrete Floors, Inc., H. L. Whittemore, A. H. Stang, and C. C. Fishburn. (1939).	BMS16	10¢
Sound insulation of wall and floor constructions. V. L. Chrisler. (1939).	BMS17	10¢
Structural properties of a concrete-block cavity-wall construction sponsored by the National Concrete Masonry Association. H. L. Whittemore, A. H. Stang, and D. E. Parsons. (1939).	BMS21	10¢

PART VII - BUILDING MATERIALS AND STRUCTURES (Continued)

	<u>Series</u>	<u>Price</u>
Structural properties of "Dun-Ti-Stone" Wall construction sponsored by the W. E. Dunn Manufacturing Company. H. L. Whitternore, A. H. Stang, and D. E. Parsons. (1939).	BMS22	10¢
Structural properties of a brick cavity-wall construction sponsored by the Brick Manufacturers Association of New York, Inc. H. L. Whitternore, A. H. Stang, and D. E. Parsons. (1939).	BMS23	10¢
Structural properties of a reinforced brick construction and a brick-tile cavity-wall construction sponsored by the Structural Clay Products Institute. H. L. Whitternore, A. H. Stang, and C. C. Fishburn. (1939).	BMS24	10¢
Structural properties of two brick-concrete-block wall constructions and a concrete-block wall construction sponsored by the National Concrete Masonry Association. H. L. Whitternore, A. H. Stang, and D. E. Parsons. (1939).	BMS32	10¢
Plastic calking materials. J. J. Treconing, T. A. Milliken, A. Hockman, W. H. Sligh, and D. W. Kessler. (1940).	BMS33	10¢
Structural properties of two "Dunstone" wall constructions sponsored by the W. E. Dunn manufacturing Co. H. L. Whitternore, A. H. Stang, and D. E. Parsons. (1940). 13pp.	BMS38	10¢
Structural properties of a wall construction of "Pfeifer Units" sponsored by the Wisconsin Units Company. H. L. Whitternore, A. H. Stang, and D. E. Parsons. (1940).	BMS39	10¢
Effect of heating and cooling on the permeability of masonry walls. C. C. Fishburn and P. H. Petersen. (1940).	BMS41	10¢
Structural properties of a masonry wall construction of "Tunlock Dry Wall Brick." H. L. Whitternore, A. H. Stang and D. E. Parsons. (1940)	BMS53	10¢
Effect of wetting and drying on the permeability of masonry walls. C. C. Fishburn (1940).	BMS55	10¢

PART VII - BUILDING MATERIALS AND STRUCTURES (Continued)

	<u>Series</u>	<u>Price</u>
Strength, absorption, and resistance to laboratory freezing and thawing of building bricks produced in the United States. John W. McBurney and Joseph C. Richmond. Nov. 1940.	BMS60	15¢

PART VIII - SIMPLIFIED PRACTICE RECOMMENDATIONS.

	<u>Series</u>	<u>Price</u>
Vitrified paving brick. (1940).	R1-40	5¢
Metal lath. (Expanded and sheet) (1936).	R3-36	5¢
Face brick and common brick. (1923)	R7	5¢
Hollow building tile. (1923).	R12	OP
Structural slate (for plumbing and sanitary purposes). (1928).	R13-28	10¢
Roofing slate. (1928).	R14-28	OP
Blackboard slate. (1935)	R15-35	OP
Sand-lime brick. (1937).	R38-37	5¢
Steel reinforcing spirals. (1932).	R53-32	5¢
Clay tiles for floors and walls. (1930).	R61-30	10¢

PART IX - FEDERAL SPECIFICATIONS

The specifications listed below are issued by the Federal Specifications Executive Committee, Procurement Division, Federal Warehouse, Washington, D. C. Copies may be secured from the Superintendent of Document, Government Printing Office, this city, at the prices indicated.

HH-M-611	5¢ Mortar; air-setting, refractory, bonding, (wet-type).
QQ-B-71a	5¢ Bars: reinforcement, (for) concrete.
QQ-B-101c	5¢ Bases, Metal; (For) Plaster and stucco construction.
SS-B-656	5¢ Brick; building, (common), clay.
SS-B-663	5¢ Brick; concrete.
SS-B-681	5¢ Brick; sand-lime
SS-B-691	5¢ Brick; sewer, clay.
SS-C-621	5¢ Concrete-Units; masonry, hollow.
SS-L-351	5¢ Lime; hydrated (for) structural purposes.
SS-L-361	5¢ Lime; hydraulic, hydrated.

PART IX - FEDERAL SPECIFICATIONS (Continued)

SS-P-361	5¢	Pipe; clay, sewer.
SS-P-686	5¢	Products; acoustic, cast.
SS-Q-351	5¢	Quickline; (for) structural purposes.
SS-S-291	5¢	Shingles; roofing, cement-asbestos.
SS-S-451	5¢	Slate; roofing.
SS-S-721	5¢	Stone, architectural, cast.
SS-T-321	5¢	Tile; structural, clay, floor.
SS-T-341	5¢	Tile; structural, load-bearing, wall.
SS-T-351	5¢	Tile; structural, clay, non-load-bearing.

PART X - OUTSIDE PUBLICATIONS

The articles listed below are not for distribution or sale by the Government, but may be consulted at most large libraries or in some cases may be purchased directly from the publishers.

The relation between the porosity and crushing strength of clay products. A. W. Bleining. Trans. Am. Ceram. Soc. (American Ceramic Society, 2525 North High St., Columbus, Ohio), 12, 564(1910).

Tests for sewer pipe. R. J. Wis. Proc. Am. Soc. Testing Materials (American Society for Testing Materials, 260 South Broad St., Philadelphia, Pa.), 11, 854(1911).

The relation between the crushing strength and porosity of clay products. G. H. Brown. Trans. Am. Ceram. Soc., 14, 292(1912).

Use of the strain gage in the testing of materials. W. A. Slater and H. F. Moore. Proc. Am. Soc. Testing Materials, 13, 1019 (1913).

Some comparative corrosion tests of plastered metal lath. J. C. Pearson. Proc. Am. Concrete Inst. (American Concrete Institute, 7400 Second Blvd., Detroit, Mich.), 10, 445 (1914).

Properties of cement-line-sand mortars. W. E. Enley. Proc. Am. Soc. Testing Materials, 17, Part II, 261 (1917).

Tests of stucco. J. C. Pearson. Proc. Am. Concrete Inst., 14, 109(1918).

Compressive strength of cement-line mortars. F. A. Kirkpatrick and W. P. Orange. J. Am. Ceram. Soc., 2, 44(1919).

PART X - OUTSIDE PUBLICATIONS (Continued)

New developments in surface treated concrete and stucco.
J. C. Pearson and J. J. Earley. Proc. Am. Concrete
Inst., 16, 70(1920).

Possibilities of terra cotta castings. R. F. Geller.
J. Am. Ceram. Soc., 4, 883(1921).

Shrinkage of cement mortars and its importance in stucco
construction. J. C. Pearson. Proc. Am. Concrete
Inst., 17, 133(1921).

Preliminary report of exposure tests on colorless water-
proofing materials. D. W. Kessler. J. Am. Inst.
Architects (American Institute of Architects, 1741
New York Ave., N. W., Washington, D. C.), Oct. 1921.

Effectiveness of different methods of making absorption
determinations as applied to hollow building tile.
H. D. Foster. J. Am. Ceram. Soc. (American Ceramic
Society, 2525 North High St., Columbus, Ohio), 5,
788(1922).

Effect of grog additions on fire resistance of hollow tile.
H. D. Foster. J. Am. Ceram. Soc., 6, 748(1923).

Capping for compression specimens. H. D. Foster. J. Am.
Ceram. Soc., 6, 623(1923).

Sulphur impregnated sandstone. D. V. Kessler. Stone(Stone
Publishing Company, Inc., 353 Fifth Avenue, New York,
N. Y.), 44, June 1923.

Factors affecting brick masonry strength. S. H. Ingberg.
Proc. Am. Soc. Testing Materials (American Society for
Testing Materials, 260 South Broad St., Philadelphia,
Pa.), 24, Part II, 909(1924).

Stucco investigations of the Bureau of Standards. J. C.
Pearson. Proc. of Building Officials Conference, 10,
143(1924).

Strength absorption and freezing resistance of hollow build-
ing tile. H. D. Foster. J. Am. Ceram. Soc., 7, 189(1924).

Properties of gypsum tile. J. M. Porter. Proc. Am. Soc.
Testing Materials, 24, Part II, 901(1924).

The fire resistance of gypsum partitions. S. H. Ingberg.
Proc. Am. Soc. Testing Materials, 25, Part II, 299(1925).

PART X - OUTSIDE PUBLICATIONS (Continued)

- Determining the weather resistance of stone. D. W. Kessler. Stone, 46, 351, June 1925.
- Comments on the permeability of stone. D. W. Kessler. Stone, 46, July 1925.
- A study of practical problems for the marble industry. D. W. Kessler. Stone, 46, August 1925.
- Resistance of marble to various salt solutions. D. W. Kessler. Through the Ages (National Association of Marble Dealers, Cleveland, Ohio), 3, February 1926.
- Cleaning materials for marble. D. W. Kessler. Through the Ages, 3, Part I, March 1926; Part II, April 1926; 4, Part III, June 1926; Part IV, August 1926.
- Steam cleaning a stone building. H. H. Dutton. Am. Architect (Hearst Magazine, Inc., 572 Madison Ave., New York, N. Y.), June 20, 1926.
- Discussion of specification requirements for common brick. C. O. Christiansen. Am. Architect, 130, 23, July 5, 1926.
- Removal of stains from marble. D. W. Kessler. Through the Ages, 4, September 1926; Arch. and Bldg. (Architecture and Building, Wm. T. Comstock Co., 28 Warren St., New York, N. Y., October 1926.
- Comparative tests on brick masonry at the Bureau of Standards. J. W. McBurney. Bricklayer, Mason and Plasterer, 29, 225, October 1926.
- Bases for specification and building code requirements for building bricks. S. H. Ingberg. Proc. 23d Annual Meeting of Sand-Lime Brick Assoc. (Saginaw, Mich.), 78(1927).
- Removal of stains from marble. D. W. Kessler. Through the Ages, 4, January 1927.
- Development of steam cleaning process. H. H. Dutton. Stone, 48, 225, April 1927, and 288, May 1927.
- Effect of workmanship on the strength of brick masonry. J. W. McBurney. Am. Architect, 132, 613, November 5, 1927.
- The strength of solid and of hollow walls of brick. A. H. Stang. Ceram. Age (Ceramic Age, The Ceramic Publishing Co., 425 Parker Street, Newark, N. J.), 198, December 1927.

PART X - OUTSIDE PUBLICATIONS (Continued)

Adhesion of plaster and stucco to hollow building tile. J. A. Murray and H. D. Foster. Am. Architect, 132, 839, December 30, 1927.

Effect of strength of brick on comparative strength of brick masonry. J. W. McBurney. Proc. Am. Soc. Testing Materials (American Society for Testing Materials, 260 South Broad St., Philadelphia, Pa.), 28, Part II, 605(1928).

The development of an apparatus for wear tests on flooring materials. D. W. Kessler. Proc. Am. Soc. Testing Materials, 28, Part II, 855(1928).

Wet walls and efflorescence. L. A. Palmer. Am. Face Brick Assn. (American Face Brick Association, 205 W. Wacker Drive, Chicago, Illinois), (1928).

Bond between concrete and hollow tile. J. C. Oleinik. Eng. and Contr. (Engineering and Contracting, Gillette Publishing Co., 401 W. Madison St., Chicago, Illinois), 67, 19, January 1928.

Strength of brick in tension. J. W. McBurney. J. Am. Ceram. Soc. (American Ceramic Society, 2525 North High St., Columbus, Ohio), 11, 114, February 1928.

New Construction data on brick walls. A. H. Stang. Am. Contractor, July 30, 1928.

The water absorption and penetrability of brick. J. W. McBurney. Proc. Am. Soc. Testing Materials (American Society for Testing Materials, 260 South Broad St., Philadelphia, Pa.), 29, Part II, 711(1929).

Tests of elastic caulking compounds. H. H. Dutton. Proc. Am. Soc. Testing Materials, 29, Part II, 954(1929).

The physical properties of commercial cast stone. J. Tucker, Jr. and G. W. Walker. Proc. Am. Concrete Inst. (American Concrete Institute, 7400 Second Blvd., Detroit, Mich.), 25, 501 (1929).

The compressive and transverse strength of brick. J. W. McBurney. J. Am. Ceram. Soc., 12, 217, April 1929; also BS J. Research 2, 821(1929) RP59.

Some results of freezing and thawing tests made with clay brick. L. A. Palmer and J. V. Hall. Proc. Am. Soc. Testing Materials, 30, Part II, 767(1930).

PART X - OUTSIDE PUBLICATIONS (Continued)

- The resistance of stone to frost action. D. W. Kessler. Proc. New Inter. Assn. Testing Materials (New International Association for Testing Materials, Leonhardstrasse 27, Zurich, Switzerland), Group B, 37(1930).
- Tests for weathering characteristics. D. W. Kessler. Rock Products (Trade Press Publishing Corp., 205 W. Wacker Drive, Chicago, Illinois), 33, (1930).
- The relation of Brinell hardness and transverse strength to the compressive strength of building brick. J. W. McBurney. J. Am. Ceram. Soc., 9, 823, November 1930.
- Specifications for hollow masonry units. D. E. Parsons. Proc. Am. Soc. Testing Materials, 31, Part II, 595(1931).
- The weathering of structural clay products: A review. J. W. McBurney. Proc. Am. Soc. Testing Materials, 31, Part II, 745(1931).
- Weathering test procedures for stone. D. W. Kessler. Proc. Am. Soc. Testing Materials (American Society for Testing Materials, 260 South Broad St., Philadelphia, Pa.), 31, Part II, 799(1931).
- Bibliography on weathering of natural stone. D. W. Kessler. Proc. Am. Soc. Testing Materials, 31, Part II, 804(1931).
- Bibliography on the weathering of structural clay products. D. E. Parsons. Proc. Am. Soc. Testing Materials, 31, Part II, 825(1931).
- Weathering of stone. D. W. Kessler. Am. Architect (Hearst Magazine, Inc., 572 Madison Ave., New York, N. Y.), 28, February 1931.
- Water penetration through brick-mortar assemblages. L. A. Palmer. J. Clay Products Inst. (Clay Products Institute of America), 1, 19, September 1931.
- The use of clay products in sound insulation. V. L. Chrisler. J. Clay Products Inst., 1, 31, September 1931.
- Volume changes in brick masonry materials. L. A. Palmer. J. Am. Ceram. Soc. (American Ceramic Society, 2525 North High St., Columbus, Ohio), 14, 541, August 1931; also BS J. Research 6, 1003(1931) RP321.

PART X - OUTSIDE PUBLICATIONS (Continued)

- The physical properties of cast stone. J. Tucker, Jr., G. W. Walker and J. Arthur Swenson. Proc. Am. Concrete Inst. (American Concrete Institute, 7400 Second Blvd., Detroit, Mich.), 28, 243 (1931); also BS J. Research 7, 1067(1931) RP389.
- The transmission of water through brick masonry. L. A. Palmer. Architectural Forum (521 Fifth Ave., New York, N. Y.), 56, 103, January 1932.
- The color range of common brick. J. W. McBurney. J. Clay Products Inst., 1, 31, June 1932.
- The rate of stiffening of mortars on a porous base. L. A. Palmer and D. A. Parsons. Rock Products (Trade Press Publishing Corp., 205 W. Wacker Drive, Chicago, Illinois), 35, 18, September 10, 1932.
- Discussion of "Development in reinforced brick masonry." J. W. McBurney. Proc. Am. Soc. Civil Engr. (American Society of Civil Engineers, 33 W. 39th St., New York, N. Y.), 59, 1344, October 1933.
- The strength, water absorption, and weather resistance of building bricks produced in the United States. J. W. McBurney and C. E. Lovewell. Proc. Am. Soc. Testing Materials, 33, Part II, 636 (1933).
- Permeability tests of 8 inch Wallettes. L. A. Palmer and D. A. Parsons. Proc. Am. Soc. Testing Materials (American Society for Testing Materials, 230 South Broad St., Philadelphia, Pa.), 34, Part II, 419(1934).
- Size and weight of building brick produced in the United States - J. W. McBurney. Industrial Standardization, 10, (Jan. 1935).
- Comparison of natural weathering with laboratory tests of clay brick. D. E. Parsons. Proc. Am. Soc. Testing Materials, 35, Part I, Appendix II, 252(1935).
- The relation of freezing and thawing resistance to physical properties of clay and shale building brick. J. W. McBurney. Proc. Am. Soc. Testing Materials, 35, Part I, Appendix I, 247(1935).
- A test procedure for plastic caulking materials. D. W. Kessler. Proc. Am. Soc. Testing Materials, 35, Part II, 581(1935).

PART V - OUTSIDE PUBLICATIONS (Continued)

Water absorption of building brick. J. W. McBurney. Proc. Am. Soc. Testing Materials, 36, Part I, 260(1936).

Transverse and compressive strength of bricks. J. W. McBurney. Proc. International Assn. Testing Mat'ls, London Congress, 388(April 19-24, 1937).

Locating the causes of rain penetration of brick walls - D. E. Parsons. Building Economy and Modern Builder (2121 Guarantee Title Bldg., Cleveland, Ohio) 12, 5(July, 1937).

The wick test for efflorescence of building brick. - J. W. McBurney and D. E. Parsons. Proc. Am. Soc. Testing Materials (260 S. Broad St., Philadelphia, Pa.), 37, Pt. II, 332 (1937).

Brick laying to avoid leaks. D. E. Parsons. Am. Builder (105 West Adams St., Chicago, Ill.) 59, 76(Sept. 1937).

A further study of the water penetrability of clay and shale building brick - J. W. McBurney and A. R. Eberle. J. Am. Ceram. Soc.(2535 N. High St., Columbus, Ohio), 17, no. 5, 210(May 1936).

The Freezing and Thawing Test for Building Brick - J. W. McBurney and A. R. Eberle. Proc. Am. Soc. Testing Materials, 38, Pt. II, 470(1938).

Comparison of standard tests on building brick by two laboratories - W. J. Krefeld and J. W. McBurney. Bull. A.S.T.M. No. 96, 7(Jan. 1939).

Plastic calking materials. D. W. Kessler. Review of Society of Residential Appraisers; (333 N. Michigan Ave., Chicago, Ill.) 5, no. 2, Feb. 1939.

Watertightness and transverse strength of masonry walls - D. E. Parsons. (Reprint of address delivered at Annual Meeting of Structural Clay Products Institute, 1427 Eye Street, NW, Washington, D.C.), Oct. 5, 1939.

Exterior paint investigation for masonry wall structures - Clara Gentel. National Paint Bulletin (Francenia, Alexandria, Va.), 4, no. 5, 10 (May 1940).

Relation of water absorption and strength of brick to abrasive resistance - J. W. McBurney, R. H. Brink, and A. R. Eberle. Proc. Am. Soc. for Testing Materials, (260 South Broad Street, Phila. Pa.), 40, (1940).

PART X - OUTSIDE PUBLICATIONS (Continued)

Watertight masonry walls - C. C. Fishburn. Operative Builder and Contractor (919 N. Michigan Ave., Chicago, Ill.) no. 5, 26(Sept. 1940).

Outdoor exposure test of paints for masonry walls. Clara Sentel. Circular No. 609, Natl. Paint, Varnish and Lacquer Assn. (1500 Rhode Island Ave., N. W., Washington, D. C.) (January 1941).

