HLW:AO

DEPARTMENT OF COMMERCE
BUREAU OF STANDARDS
WASHINGTON

January 22, 1932

Letter Circular LC 316
Revision of LC 166

PUBLICATIONS OF THE ENGINEERING MECHANICS SECTION BUREAU OF STANDARDS, DEPARTMENT OF COMMERCE, WASHINGTON

The following initial letters are used in this list to indicate the organization issuing the publication.

Bureau of Standards

	Method of Distribution
T - Technologic Paper M - Miscellaneous Publication C - Circular RP - Research Paper CSM - Commercial Standards Monthly	Sold by Superintendent of Documents, Government Printing Office, Washington, D. C.
LC - Letter Circular	Distributed without charge by Bureau of Standards

Federal Specifications Board

FS - Federal Specification	Sold by Superintendent of Documents, Government Printing Office, Washington, D. C.

National Advisory Committee for Aeronautics (NACA)
(3841 Navy Building, Washington, D. C.)

Technical Report	Sold by Superintendent of Documents, Government Printing Office, Washington, D. C.
Technical Note Technical Memorandum	Distributed without charge by National Advisory Committee for Aeronautics

Copies of publications designated Bureau of Standards T, M, C, RP, and CSM; Federal Specifications, and NACA Technical Reports can be obtained at the prices indicated, from the

Superintendent of Documents,
Government Printing Office,
Washington, D. C.

Orders should be sent direct to the Superintendent of Documents and not to the Bureau of Standards. Remittances should be included with the order in the form of cash, postal money order, or coupons sold by the Superintendent of Documents in sheets of 20 for $1. Stamps are not acceptable. For foreign countries (other than Canada, Cuba, Mexico, Newfoundland, and the Republic of Panama) add one-third to the total amount of publications ordered; for example, 3 publications at 20 cents = 60 cents + 20 cents foreign = 80 cents - amount to be remitted by a foreign purchaser.

The Superintendent of Documents is an official of the Government Printing Office, an entirely separate organization from the Bureau of Standards, and in an entirely different part of the city.

Order publications by number, thus, RP 232.

Publications marked Bureau of Standards LC can be obtained without cost from the Bureau of Standards, Washington, D. C.

Publications designated N.A.C.A. Technical Note or Technical Memorandum can be obtained without cost from the National Advisory Committee for Aeronautics, Navy Department, 3841 Navy Building, Washington, D. C.

Bureau of Standards or NACA publications marked <u>supply exhausted</u> can no longer be purchased but can be consulted in reference libraries.

Publications other than Bureau of Standards, Federal Specifications, or NACA can be obtained from the publisher given in this list. Photostat copies can be obtained from the Engineering Societies Library, 29 West 39th Street, New York, New York, for a nominal fee.

The Bureau of Standards Journal of Research (BSJR) supersedes and continues the two series of research publications heretofore issued under the designations "Scientific Papers of the Bureau of Standards", and "Technologic Papers of the Bureau of Standards". Shortly after each month's Journal is published, reprints of the separate articles contained therein can be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C.

SUBJECT INDEX

LIST OF PUBLICATIONS

Numbers preceding the titles are index numbers. Some publications are obsolete and have been omitted. This explains the numbers which are left out.

Index No.

1910

1 Heat Changes in Structural Materials. The Iron Age (239 W.39th St.,New York,N.Y.), p.1276, Dec.1,1910.

1912

2 Bu.Stds.T-11 - Comparison of Five Methods to Measure Hardness. Ralph P. Devries. July 22,1912. (Supply exhausted).

1915

1A Wire Cables of Various Types and Materials Tested by U.S. Bureau of Standards. Engineering News-Record (10th Ave. and 36th St.,New York,N.Y.), Vol.72, No.19, p.587, Nov. 6, 1915

1918

6 Bu.Stds.T-101 - Tests of Large Bridge Columns. J.H.Griffith and J.G.Bragg. June 27, 1918. (Supply exhausted).

7 Bu.Stds.T-111 - Compressive Strength of Large Brick Piers. J.G.Bragg. Sept. 20, 1918. 10 c.

8A Strength Tests of Plain and Protective Sheet Glass. T.L. Sorey. Journal of the American Ceramic Society (2525 N. High St.,Columbus, Ohio.) Vol. 1, No. 11, p.801, Nov. 1918.

1919

9 Bu.Stds.T-120 - Tests of Hollow Building Tiles. Bernard D. Hathcock and Edward Skillman. Feb.8, 1919. 5 c.

14 Bu.Stds.T-121 - Strength and Other Properties of Wire Rope. J.H.Griffith and J.G.Bragg. July 16,1919. 20 c.

15 NACA Technical Report No. 35 - The Strength of One-Piece, Solid, Built-up, and Laminated Wood Airplane Wing Beams. John.H. Nelson. (From NACA Fourth Annual Report - 1918) (Supply exhausted).

16 NACA Technical Report No. 77 - Parker Variable Camber Wing. Humphrey F. Parker. From Fifth Annual Report of NACA, 1919. Available as part of Fifth Annual Report. Cannot be purchased separately.

17A Bu.Stds.LC VII-1-12 - Fire-proof and Transparent Airplane Wing Coverings. L.B.Tuckerman, Dec. 1, 1919.

1920

18 Progress Report of the Special Committee to Codify Present Practice on the Bearing Value of Soils for Foundations. L.B.Tuckerman. Appendix A, American Society of Civil Engineers (29 W.39th St.,New York,N.Y.), Vol. XLVI, No.6, Aug. 1920.

19 NACA Technical Report No. 32 - The Airplane Tensiometer. L.J.Larson. From Fourth Annual Report of NACA, 1918. 5 c.

20 Test of Timber Posts With Warp and Seasoning Cracks. Tom W. Greene. Engineering News-Record (10th Ave. at 36th St., New York, N.Y.), Vol. 85, No.8, p.342, Aug.19, 1920.

21 Bu.Stds.T-150 - Physical Tests of Motor Truck Wheels. Chas.P. Hoffmann. March 17, 1920. (Supply exhausted).

22 Bu.Stds.T-151 - Load Strain-Gage Test of 150-Ton Floating Crane for the Bureau of Yards & Docks, U.S.Navy Dept. Louis J. Larson and Richard L. Templin, Mar.18,1920. (Supply exhausted).

23 Bu.Stds.T-152 - Investigation of the Compressive Strength of Spruce Struts of Rectangular Cross-Section and the Derivation of Formulas Suitable for Use in Airplane Design. James E.Boyd. April 10, 1920. (Supply exhausted).

1921

26 Bu.Stds.M-46 - War Work of the Bureau of Standards. April 1, 1921. (Supply exhausted).

27 The Hardness Testing Of Metals. Report of a Committee of the Engineering Division of the National Research Council on Various Methods of Testing the Hardness of Metals. Mechanical Engineering (29 W.39th St.,New York,N.Y.) Vol. 43, No. 7, p. 445, July, 1921.

28 An Investigation of Oxyacetylene Welding and Cutting Blowpipes. R.S.Johnston. Mechanical Engineering (29 W.39th St., New York,N.Y.), Vol. 43, No.5, p.305, May, 1921. Also printed in Transactions, American Society of Mechanical Engineers (29 W.39th St.,New York,N.Y.), Vol.43, p.141, Paper No. 1792, 1921.

29 Bu.Stds T-198 - Results of Some Tests of Manila Rope. Ambrose H. Stang and Lory R. Strickenberg. Sept. 15, 1921. (Supply exhausted).

30 Tests of Rotary Drill Pipes. A. H. Stang. The Iron Age (239 West 39th St., New York, N. Y.) p. 804, Sept. 29, 1921. The Iron Age, p. 358, Feb. 2, 1922.

31 Bu.Stds T-201 - The Friction and Carrying Capacity of Ball And Roller Bearings. H. L. Whittemore and S. N. Petrenko, Oct. 6, 1921. (Supply exhausted).

32 Bu.Stds.LC-29 - The Ideal Wall Construction. Nov. 16, 1921. (This LC has been superseded - see 172)

33 Bu.Stds. T-200 - An Investigation of Oxyacetylene Welding and Cutting Blowpipes, With Especial Reference to Their Design, Safety, and Economy in Operation. Robert S. Johnston. Dec. 28, 1921.(Supply exhausted).

1922

35 NACA Technical Note No. 78 - Impact Tests for Woods (Supply exhausted). February, 1922.

36 Experimental Use of Liquid Air and Explosives for Tightening Body-Bound Bolts. H. L. Whittemore. American Machinist (Tenth Ave and 36th St., New York, N.Y.). Vol. 56, No. 14, p.524, Apr. 6, 1922.

37 Bu.Stds. T-218 - Results of Some Compression Tests of Structural Steel Angles. A. H. Stang and L. R. Strickenberg. Aug. 3, 1922. 10 c.

38 Bibliography on Impact Testing. H. L. Whittemore. American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.), Proceedings, Vol. 22, p. 6, 1922. (Part II).

39 Wide-Web Column Tests for the Delaware River Bridge. Engineering News-Record (10th Ave. and 36th St., New York, N.Y.) Vol. 89, No. 23, p. 986, Dec. 7, 1922.

40 Bu.Stds. LC-53 - Effect of Su-dex Process of Treatment on Physical Properties of Several Woods. Nov. 28, 1922.

40A Report on Dirigible Design. Engineering News-Record (10th Ave. and 36th St., New York, N.Y.). Vol. 89, No. 26, p. 1137, Dec. 28, 1922.

41 Tuckerman's Discussion on "Fatigue or Progressive Failure of Metals Under Repeated Stress". Moore, Kommers and Jasper. American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.), Proceedings, Vol. 22, Part II, p. 266, 1922.

42A Bu.Stds. LC VII -1-16 and 18a - Proposed Aeronautical Specifications, Streamline Stay Wires, Jan. 16, 1922.

43 NACA Technical Note No. 139 - Notes on Aerodynamic Forces on Airship Hulls. L. B. Tuckerman. Mar.1923.(Supply exhausted).

44 Bu.Stds T-229 - Some Tests of Steel Wire Rope on Sheaves. Edward Skillman. Mar. 2, 1923. 10 c.

45 Bu.Stds. T-233 - Loading Test of a Hollow Tile and Reinforced Concrete Floor of Arlington Building. Louis J. Larson and Serge N. Petrenko. April 21, 1923. 15 c.

46 Bu.Stds LC 94 - Calibration Boxes for Testing Machines. June 7, 1923.

47 Optical Strain Gages and Extensometers. L.B.Tuckerman. American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.) Proceedings, Vol. 23, Part II, p. 602, 1923.

48 Welded Pressure Vessels. Journal of American Welding Society, Vol. 2, No. 5, p. 11, May, 1923. Also published as Bulletin No. 5 of American Bureau of Welding (29 West 39th St., New York, N. Y.) Sold to members of American Welding Society for $1, to others for $2.

49 New Developments in Electric Telemeters. O. S. Peters and R. S. Johnston. American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.) Proceedings, Vol. 23, Part II, p. 592, 1923. See also
Bu.Stds. T-247 - "A New Electric Telemeter". 15 c.

50 Bu.Stds. T-238 - Some Compressive Tests of Hollow Tile Walls. Herbert L. Whittemore and Bernard D. Hathcock. July 21, 1923. 5 c.

51 The Strength of Bolt Threads as Affected by Inaccurate Machining. George M. Deming. Mechanical Engineering (29 West 39th St., New York, N.Y.) Vol. 45, No. 10, p. 583, Oct. 1923.

51A Hardness Testing Bibliography. Transactions, American Society for Steel Treating (4600 Prospect Ave., Cleveland, Ohio) Vol. IV, No. 4, p.507, Oct. 1923.

52 Size Standardization by Preferred Numbers. Hirshfield and Berry. Pamphlet of the American Society of Mechanical Engineers (29 West 39th St., New York, N. Y.). Discussion by L. B. Tuckerman, p. 38.

53 Bu.Stds. T-243 - Stresses in a Few Welded and Riveted Tanks Tested Under Hydrostatic Pressure. A. H. Stang and T. W. Greene. Oct. 13, 1923, 10 c.

55 Current Structural Research at the Bureau of Standards. Engineering News-Record (10th Ave. and 36th St., New York, N.Y.), Vol.91, No.22, p.874, Nov.29,1923.

56 Ideal Wall Proved Strong as Solid. A.H.Stang. Brick and Clay Record (407 S.Dearborn St.,Chicago,Ill.), Vol.62, No.4, p.313, Feb.20, 1923.

1924

57 Bu.Stds.T-251 - Equalizer Apparatus for Transverse Tests of Brick. H.L.Whittemore. Feb.5, 1924, 10c.

58 Proper Construction of Welds for Pressure Vessels. H.L. Whittemore. Engineering News-Record (10th Ave. and 36th St.,New York,N.Y.), Vol. 92, No.11, p.462, Mar.13, 1924.

59 A Simple Fixture for Testing Belting. American Machinist, (10th Ave. and 36th St.,New York,N.Y.), Vol.60, No.20, p.722, May 15, 1924.

60 Bu.Stds. LC-136 - Instructions for Preparing Wire Rope Samples. Dec. 5, 1924.

61 Spot-Welded Girders and Columns Tested for Strength. L.B. Tuckerman. Engineering News-Record (10th Ave. and 36th St., New York,N.Y.), Vol.92, No.23, p.982, June 5, 1924.

62 Bibliography on Riveted Joints. A.H.Stang. Pamphlet of the American Society of Mechanical Engineers (29 W.39th St., New York,N.Y.), May, 1924.

63 Bu.Stds.T-258 - Strength of Steel Tubing Under Combined column and Transverse Loading, Including Tests of Columns and Beams. Tom W. Greene, May 23, 1924. 15 c.

64 Cable Reel of Simple Design. H.L.Whittemore. Machinery (140 Lafayette St.,New York,N.Y.) p.935, Aug.1924.

65 Bu.Stds.C-101 - Physical Properties of Materials. Apr.23, 1924. 40 c.

66 Laboratory Strength Tests of Motor Truck Wheels. Tom. W. Greene. Journal of the Society of Automotive Engineers (29 W.39th St.,New York,N.Y.), Vol.XV, No.2, p.150,Aug.1924.

67 Tests of Ball Bearings for Rotating Beam Fatigue Machines. L.B.Tuckerman and C.S.Aitchison. American Machinist (10th Ave. and 36th St.,New York,N.Y.), Vol.61, No.10, p.369, Sept. 4, 1924.

68 Bu.Stds.T-260 - Tests of Some Girder Hooks. Herbert L. Whittemore and A.H.Stang. June 28, 1924. 10 c.

69 Bu.Stds.T-263 - Tangent Modulus and the Strength of Steel Columns in Tests. O.H.Basquin. Sept.18, 1924, 20 c.

71 Bu.Stds.LC-122 - Memorandum on Specimens for Fiber Rope. May 27, 1924.

72 Metal Airplane Wing Patent. H.L.Whittemore. Patent No. 1516480, Issued Nov. 18, 1924.

73 The Computation of Colorimetric Purity. Irving G. Priest, L. B. Tuckerman, Herbert E. Ives, and F. K. Harris. Journal of the Optical Society of America and Review of Scientific Instruments (c/o F.E.Richtmyer, Cornell University, Ithaca, N.Y.), Vol. 9, No.5, p.503, Nov.1924.

74 Bureau of Standards Reports on Technical Investigations. (Abstract from Annual Report of the Director). Engineering News-Record (10th Ave. and 36th St.,New York,N.Y.), Vol. 93, No. 24, p.946, Dec. 11, 1924.

75 Discussion on Tests of I-Beams in Torsion. L.B.Tuckerman. Engineering News-Record (10th Ave. and 36th St.,New York, N.Y.), Vol. 93, No.22, p.882, Nov.27, 1924.
See also: Moment of Inertia in I-Beams. Engineering News-Record, Vol. 94, No. 7, p.290, Feb. 12, 1925.

76 Mechanical Meaning of Hardness Numbers. S.N.Petrenko. Mechanical Engineering (29 W.39th St.,New York,N.Y.) Vol.46, No. 12, p.926, Dec. 1924.

77 Hardness and Hardness Testing. 1925 L.B.Tuckerman. Mechanical Engineering (29 W.39th St.,New York,N.Y.), Vol.47, No.1, p.53, Jan.1925.

78 Gold from Mercury. L.B.Tuckerman and P.D.Foote. Journal of the Optical Society of America (c/o F.E.Richtmyer, Cornell University, Ithaca, N.Y.), Vol. 9, No.5, p.556, Nov. 1924.

80 Bu.Stds.T-275 - Design of Specimens for Short-Time Fatigue Tests. L.B.Tuckerman and C.S.Aitchison, Dec.22, 1924 7 .5c.

81 Bu.Stds.M-62 - Table of Brinell Hardness Numbers. Dec.17, 1924. 5 c.

82 Bu.Stds.T-270 - An Analysis of the Deformation of the Mooring Spindle of the "Shenandoah". L.B.Tuckerman and C.S.Aitchison. Jan.9, 1925. 10 c.

83 The Need for Cheaper Hardness Tests. H.L.Whittemore. Mechanical Engineering (29 W.39th St.,New York,N.Y.), Vol.47, No.3, p.223, March, 1925.

84 Stang Reports on Floor Test. A.H.Stang. Brick and Clay Record (407 So.Dearborn St.,Chicago,Ill.), Vol.66, No.4, p.277, Feb. 17, 1925.

85 Bu.Stds.T-276 - Compressive Strength of Sand-Lime Brick Walls, H.L.Whittemore and A.H.Stang. Jan.21, 1925. 10 c.

86 NACA Technical Note No. 211 - Water Model Tests for Semirigid Airships. (From Eleventh Annual Report of NACA, 1925). 5 c L. B. Tuckerman.

87 Circular, Cylindrical and Spherical Units of Measurement. L.B.Tuckerman. Mechanical Engineering (39 W.39th St.,New York,N.Y.), Vol. 47, No. 4, p.302, April, 1925.

88 Bu.Stds.C-208 - U.S.Government Master Specification for Wire Rope. Federal Specifications Board Specification No. 297. 15 c.

89 Our (Hollow Tile) Research Program at the Bureau of Standards. Proceedings, Seventh Annual Meeting, Hollow Building Tile Association (Conway Building, Chicago, Ill.), Chicago, Feb. 4-6, 1926.

91 NACA Technical Note No. 210 - Inertia Factors of Ellipsoids for Use in Airship Design. L.B.Tuckerman. (From Eleventh Annual Report of NACA, 1925). 5 c.

92 Bu.Stds.T-289 - Comparative Slow Bend and Impact Notched Bar Tests of Some Metals. S.N.Petrenko. August,1925. 20 c.

93 Bu.Stds.T-291 - Tests of Hollow Tile and Concrete Slabs Reinforced in One Direction. D.E.Parsons and A.H.Stang. Aug. 12, 1925. 25 c.

94 Progress Report No. 1, Committee on Welded Rail Joints.
95 Progress Report No. 2, Committee on Welded Rail Joints.
96 Progress Report No. 3, Committee on Welded Rail Joints.
(These three reports are not published by the Bureau of Standards but can be purchased from the American Bureau of Welding, 29 West 39th St.,New York,N.Y.)

97 Research and Experimental Tests in Connection With the Design of the Bridge Over the Delaware River Between Philadelphia and Camden. Engineers and Engineering (124 West Polk St., Chicago, Ill.), Vol.XLII, No.8,p.197. Aug.1925.

1926

98 Tests on Welded Pressure Vessels. L.H.Roller. Refrigerating Engineering (37 W.39th St.,New York,N.Y.), Jan.1926,p.215.

99 Bu.Stds.M-69 - Annual Report of the Director for the Fiscal Year Ended June 30, 1925. 5 c.

100 Bu.Stds.LC-191 - Testing Laboratories Equipped for Mechanical Tests of Metals and Other Engineering Materials. Jan.21,1926

101 F.S. AA-S-71 - Federal Specification for Safes; Burglar-Resisting ~~U.S.Government Master Specification for Burglar-Resisting Safes, No. 363, December 12, 1925 (Fed.Spec.Board Spec. 363)~~ November 11, 1930. 5 c

102 Bu.Stds.C-296 - Research Associates at the Bureau of Standards November 18, 1925. 10 c.

103 Properties of Duralumin (Corrosion). Engineering News-Record (10th Ave. and 36th St.,New York,N.Y.), Nov.26,1925, No.22, p.862-863; Dec. 17,1925, Vol.95, No. 25, pp 979, 1000, 1001, 1006; Jan.7, 1926, Vol.96, No.1, pp 1, 34.

104 Elastic Ring for Verification of Brinell Hardness Testing Machines. Transactions, American Society for Steel Treating (4600 Prospect Ave., Cleveland, Ohio), Vol.IX, No. 3, p.420, March, 1926.

105 Bu.Stds.T-311 - Compressive and Transverse Strength of Hollow Tile Walls. A.H.Stang, D.E.Parsons, and H.D.Foster. Feb. 2, 1926. 15 c.

106 The New Tile Floor Program. A.H.Stang. Proceedings, Eighth Annual Meeting, Hollow Building Tile Association (Conway Building, Chicago, Ill.).

107 Bu.Stds.M-72 - Strain Lines, Structural Members Delaware Bridge. 5 c. Mar. 10, 1926.

108 How to Investigate Welded Tanks. H.L.Whittemore. Journal, American Welding Society, (29 W.39th St.,New York,N.Y.), Vol.5, No. 5, pp 23-27, May, 1926.

109 Strain Detection in Mild Steel by Wash Coating. R.S.Johnston. British Iron and Steel Institute (36 Victoria St., London, S.W.1, England), Vol. CXII, No.11, pp 342-343,1925.

110 Steel Trusses Carry Twenty-two Stories in Chicago Hotel. Engineering News-Record (10th Ave. and 36th St.,New York,N.Y.) Vol. 96, No. 16, p.641, April 22, 1926.

111 Discussion on Tests of Thin Gage Metals. H.L.Whittemore. Proceedings, American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.), Vol.24, part II, pp 1006-1011, 1924.

112 Discussion on Specification Requirements for Common Brick. C.O.Christenson. The American Architect (501 Fifth Ave., New York,N.Y.), Vol.CXXX, 2500. pp 23-30, July 5,1926.

113 Advisability of Preparing Specifications for Oil Field Equipment. H.L.Whittemore. National Petroleum News (1213 West Third St.,Cleveland,Ohio.), Aug.18, 1926.

114 Progress Report No. 4 on Impact Tests. Committee on Welded Rail Joints. (This is not a Bureau publication but can be purchased from the American Bureau of Welding, 29 W.39th St.,New York,N.Y.).

115 Making Airships Safe. L.B.Tuckerman. Scientific Monthly (Grand Central Terminal, New York,N.Y.), Vol.XXIII, pp 74-77, July, 1926.

116 Bu.Stds.T-320 - A Fabric Tension Meter for Use on Aircraft. L.B.Tuckerman, G.H.Keulegan, H.N.Eaton. July 24, 1926. 10 c.

117 Technical Aspects of the Loss of the Shenandoah. Journal of the American Society of Naval Engineers (Navy Department, Washington, D. C.), Vol.XX, No.3, Aug.3, 1926.

118 Comparative Tests on Brick Masonry. J.W.McBurney. The Bricklayer, Mason and Plasterer (1417 K St.,N.W., Washington, D. C.), Vol.XXIX, No.10, p.225, Oct.1926.

119 Methods of Socketing Manila Rope for Tensile Strength Tests. H.L.Whittemore and C.T.Ervin. The Cord Age (20 W.34th St.,New York, N.Y.), Vol.IX, No.5, p.38, Nov.1926 and Vol.IX, No.6, pp12 and 46, Dec.1926.

120 An Investigation of the Behavior and of the Ultimate Strength of Riveted Joints Under Load. Commander E.L.Gayhart (CC) U.S.Navy. Preprint No. 5 of the Society of Naval Architects and Marine Engineers (29 W.39th St.,New York,N.Y.).

121 Testing Full-Sized Members to Destruction -- Massive Testing Machine. The Engineer (33 Norfolk St., Strand, London, W.C.2, England), Vol.CXLII, No.3689, p.331. Also published in The Iron Age (239 W.39th St., New York,N.Y.), p.1347, Nov.11, 1926.

123 Bu.Stds.T-327 - Compressive Strength of Column Web Plates and Wide Web Columns. R.S.Johnston. Oct.26,1926. 20 c.

124 Bu.Stds.T-328 - Tests of Large Columns With H-Shaped Sections. L.B.Tuckerman and A.H.Stang. Oct.20,1926. 40 c.

1927

125 Suggested Program for the Investigation of the Fatigue Resistance of Welds. H.L.Whittemore. American Welding Society, Journal (29 W.39th St.,New York,N.Y.), Vol.6, No.1, p.21, January, 1927.

126 Test of an Arc-Welded Plate Girder by the American Bridge Co. and the U. S. Bureau of Standards. H. L. Whittemore. Journal, American Welding Society, (29 W.39th St.,New York,N.Y.), Vol.6, No.1, p.43,Jan.1927.

127 Discussion of Templin's Paper "Effect of Size and Shape of Test Specimen on Tensile Properties of Thin Sheet Metal". H. L. Whittemore. Proceedings, American Society for Testing Materials (1315 Spruce St.,Philadelphia, Pa.), Vol.26, Part II, p.401, 1926.

128 Discussion of Werring's Paper on Impact Testing of Insulating Materials. H.L.Whittemore. Proceedings, American Society for Testing Materials (1315 Spruce St.,Philadelphia, Pa.), Vol.26, Part II, p.653, 1926.

129 Testing Gas Welds. H. L. Whittemore.
The Welding Engineer (608 S.Dearborn St.,Chicago,Ill.), Vol.12, No.1, pp 38-40. Jan.1927.
American Machinist (10th Ave. and 36th St.,New York,N.Y.) Vol.66, No.2, p.40. (Abstract). Jan.13,1927.
Power (10th Ave. and 36th St.,New York,N.Y.), Vol.65,No.6, p.211. (Abstract). Feb.8, 1927.
Acetylene Journal (53 W. Jackson Blvd.,Chicago,Ill.), Vol.28, No. 7, pp 330-333, Jan.1927.
The Welding Journal (30 Red Lion Square, London, W.C.1, England), Vol.XXIV, No.281, p.46, Feb.1927. Also: Vol. XXIV, No.284, p.156, May, 1927.

130 Discussion of German's paper, "Standardizing the Brinell Test". H.L.Whittemore. L.B.Tuckerman. S.N.Petrenko. Transactions, American Society for Steel Treating (4600 Prospect Ave.,Cleveland, Ohio.), Vol.XI, No.1, pp 67-70, Jan.1927.

131* Bu.Stds.T-334 - Relation Between the Rockwell and Brinell Numbers. S.N.Petrenko. 15 c. Jan. 10, 1927.

132 Specification for Wire Rope for Mines. Sectional Committee American Eng.Stds.Com. H.L.Whittemore, member. Loose-leaf specification, American Mining Congress (Munsey Building, Washington, D.C.). Spec.approved AESC 2-24-27.

133 Comments on Shear Tests. H.L.Whittemore. Journal, American Welding Society (29 W.39th St.,New York,N.Y.), Vol.6,No.3, March,1927. p.56.

134 Suggested Program for Strain Gage Measurements of Welded Rail Joints. H.L.Whittemore. Journal, American Welding Society (29 W.39th St.,New York,N.Y.), Vol.6,No.3,p.68, March, 1927.

135 Stresses in a Rail Due to a Falling Weight. A.H.Stang. Journal, American Welding Society (29 W.39th St.,New York, N.Y.), Vol.6, No.3, p.64, March, 1927.

*Revised - see 188

136 Duralumin as a Structural Material. G. K. Burgess. Scientific American (24 W.40th St.,New York,N.Y.), p.51,52, Jan.1925.

137 Bu.Stds.T-336 - Comparative Tests of Six-Inch Cast Iron Pipe of American and French Manufacture. S.N.Petrenko. 15 c. Mar. 1, 1927.

138 Discussion, The Design of Dished Heads for Pressure Vessels. H.L.Whittemore. Mechanical Engineering (29 W.39th St., New York,N.Y.), Vol.49, No.5, pp 470-471, May,1927.

139 Bu.Stds.T-341 - A Portable Apparatus for Transverse Tests of Brick. A.H.Stang. 5 c. May 31, 1927.

140 New Construction Data on Brick Walls. A.H.Stang. The American Contractor (173 W.Madison St.,Chicago,Ill.), Vol.8, No.31, p.5, July 30, 1927.

141 Research the Best Way to Reduce Costs. H.L.Whittemore. American Petroleum Institute (250 Park Ave.,New York,N.Y.) Bulletin, Vol.VIII, No.57, p.107, Oct. 1, 1927.

142 Results of Compressive Tests on Balsa Wood. A.H.Stang. Furniture Manufacturer (Grand Rapids, Mich.), Vol.XXXIV, No.5, p.104, Nov.1927.

143 Effect of Workmanship on Strength of Brick Masonry. J.W. McBurney. The American Architect (501 - 5th Avenue ,New York,N.Y.), Vol.CXXXII, No.2532, p.613, Part One,Nov. 5, 1927.

144 Common Brick Tests at Washington. J.W.McBurney. Proceedings, Ninth Annual Convention, Common Brick Manufacturers' Association (2121 Guarantee Title Bldg., Cleveland,Ohio). Feb.1927.

145 Report on the Wall Test Program. F.S.Johnston. National Terra Cotta Society (19 W.44th St.,New York,N.Y.) Nov. 1927.

147 The Strength of Brick in Tension. J.W.McBurney. Journal of American Ceramic Society (Lord Hall, Ohio State University, Columbus, O.), Vol.II, No.2, p.114, February, 1928.

148 The Strength of Solid and Hollow Walls of Brick. A.H.Stang. The Ceramic Age (170 Roseville Ave., Newark, N.J.), Vol.X, No.6,pp.198, December, 1927.
Architect, Builder and Industrial News (170 Roseville Ave. Newark, N.J.), Vol.IV, No.7, p.141, Feb. 15, 1928.
Building Economy, Vol.IV, No.1, p.20,21, February, 1928.

149 Bu.Stds.T-366 - Strength of Interlocking-Rib Tile Walls. A.H.Stang, D.E.Parsons, and A.B.McDaniel. Feb.7,1928. 10 c.

150 The Whittemore Strain Gage. H.L.Whittemore. Instruments (1117 Wolfendale St., Pittsburgh,Pa.), Vol.I, No.6, p.299, June 1928.

151 The Effect of Strength of Brick on Compressive Strength of Brick Masonry. J.W.McBurney. Preprint, American Society for Testing Materials (1315 Spruce St., Philadelphia,Pa.), June 1928.

152 Discussion: Fatigue Studies of Telephone Cable Sheath by Townsend. H.L.Whittemore. Proceedings, American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.) Vol.XXVII, part II, Technical Papers, p.169, 1927.

153 Discussion: Tension Testing of Thin Sheet Metal by Templin. H.L.Whittemore. Proceedings, American Society for Testing Materials(1315 Spruce St., Philadelphia, Pa.), Vol. XXVII, part II, Technical Papers, p.256, 1927.

154 Control for Welding. H.L.Whittemore. Journal of American Welding Society (29 W. 39th St., New York, N.Y.), Vol.VII, No.6, p.52, June 1928.

155 1. Strength of Metal Structures is Measured on Testing Machine of Bureau of Standards. 2. Locking Screw Threads Tested for Efficiency and Brick Masonry for Strength and Economy. 3. Tests of Welded Structures with a View to Reducing Cost of Metal Products. H.L.Whittemore. The United States Daily, Vol.III, No.14,15,16, Yearly Index 147,159,169, March 20, 21, 22, 1928.

~~156 Specification for Proving Rings for Calibrating Testing Machines, LC-250, June 26, 1928.~~

156 Bu. Std. LC-294 - Specification for Proving Rings for Calibrating Testing Machines. December 1, 1930.

157 Compressive Tests of Balsa Wood. A.H.Stang. American Society of Mechanical Engineers (29 West 39th St., New York, N. Y.) WDI-50-12, p.25.

158 Report of Conference on Fatigue Phenomena of Metals, French Lick, Indiana. H.L.Whittemore. p.21, June 23, 1927.

159 Progress Report No. No. 6, Committee on Welded Rail Joints (This report is not published by the Bureau of Standards but can be purchased from the American Bureau of Welding, 29 West 39th St., New York, N. Y.), September, 1928.

160 Discussion: Welding Corrosion Resisting Steel Alloys (W.B. Miller). H.L.Whittemore. Journal of the American Welding Society (29 West 39th St., New York, N.Y.), Vol.VII, No. 6, p. 15, June, 1928.

161 Tests on Structural Details Flame-Cut From I-Beams. Engineering News-Record (10th Ave. and 36th St., New York, N.Y.), Vol.101, No. 18, p.666, November 1, 1928.

162 The Investigation of Welded Joints for Aircraft by the Bureau of Standards, W.I.Gaston. Aviation Engineering (Bryan Davis Pub. Co., 52 Vanderbilt Ave., New York, N. Y.), Vol. I, No. 1, p. 9, October, 1928.

163 Testing Joints for Aircraft Structures Welded Under Procedure Specifications. H.L.Whittemore. Journal of the American Welding Society (29 West 39th St., New York, N. Y.), Vol.VII, No.12, p.31, December, 1928.

164 Testing Welded Joints for Aircraft Structures. H.L. Whittemore. Airway Age (Simmons-Boardman Publishing Co., 34 No. Crystal St., E. Stroudsburg, Pa. and 30 Church St., New York, N. Y.), Vol.10, No.2, p.161, February, 1929.

165 Arc-Welding Practice on a Large Hotel Building. H.M. Priest, American Bridge Co. Engineering News-Record (10th Ave. and 36th St., New York, N.Y.), Vol.102, No. 13, p.490, March 28, 1929.

166 Bu.Stds. LC-266 - Specifications for Portable Testing Machine for Making Transverse Tests of Building Brick. June 3, 1929.

167 NACA Technical Note No. 307 - Strength of Tubing Under Combined Axial and Transverse Loading. L. B. Tuckerman, S. N. Petrenko, C. D. Johnson. June, 1929.

169 Discussion: Report on Guard Fence Research, H. S. Mattimore. H.L.Whittemore. Proceedings, Eighth Annual Meeting of the Highway Research Board, December 13-14, 1928.

170 Effect of Wetting on Compressive Strength of Clay Brick Walls. A.H.Stang. New Jersey Building News (170 Roseville Ave., Newark, N.J.), Vol.7, No.12, p.3, November 1, 1929; also The Ceramic Age (The Ceramics Pub. Co., Inc., 1-3 Peace St., New Brunswick, N.J.), Vol.14, No.3, p.101, September, 1929.

171 Bu.Stds. RP-91 - Efficiency of Machinists' Vises. H.L. Whittemore and R. L. Sweetman. Journal of Research (Bureau of Standards, Washington, D.C.), Vol.3, No.2, p.191, August, 1929. 10 c

172 Bu.Stds. RP-108 - Compressive Strength of Clay Brick Walls. A.H.Stang, D.E.Parsons, and J.W.McBurney. Journal of Research (Bureau of Standards, Washington, D.C.), Vol.3, No.4, p.507, October, 1929. 30 c

173 Rings for Checking Accuracy of Testing Machines. W.S. Morehouse. The Iron Age (239 West 39th St., New York, N.Y.), Vol.123, April 4, 1929.

174 Iron and Steel Products Tested to Insure Safety in Construction. H.L.Whittemore. U. S. Daily (U. S. Daily Publishing Corporation, 2201 M St., N.W., Washington, D. C.), Vol.IV. No.232, Yearly Index 2516; also
Welding and Testing of Metal Improved by Federal Research. H.L.Whittemore. U. S. Daily (U. S. Daily Publishing Corporation, 2201 M St., N.W., Washington, D. C.), Vol. IV. No. 233, Yearly Index 2594, p. 8, December 3, 1929 and p. 10, December 4, 1929, respectively.

176 Tests of Large-Size Columns of Three Grades of Structural Steel. R. S. Johnston. Engineering News-Record (10th Ave. and 36th St., New York, N. Y.), Vol.103, No.26, p.999, December, 1929.

177 Discussion: Physical Properties and Methods of Tests for Some Sheet Non-Ferrour Metals by J. R. Townsend, W. A. Straw and C. H. Davis. H. L. Whittemore. Proceedings, American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.), Vol.29, Part II, p.416, 1929.

178 Bu.Stds. RP-123 - Corrosion of Open Valley Flashings. K. H. Beij. Journal of Research (Bureau of Standards, Washington, D. C.), Vol.3, No.6, p.937, December, 1929. 10 c.

1930

179 Bu.Stds. RP-147 - A New Dead Weight Testing Machine of 100,000 Pounds Capacity. L. B. Tuckerman, H. L. Whittemore, and S. N. Petrenko. Journal of Research (Bureau of Standards, Washington, D. C.), Vol.4, No.2, p.261, February, 1930. 5 c. Also Metals & Alloys (419 Fourth Ave., New York, N. Y.), Vol.1, No. 14, p.661, August, 1930.

180 Bu.Stds. RP-157 - Transverse Tests of H-section Column Splices. J. H. Edwards, H. L. Whittemore, and A. H. Stang. Journal of Research (Bureau of Standards, Washington, D. C.), Vol.4, No.3, p.395, March, 1930. 10 c. Also Journal of the American Welding Society (29 West 39th St., New York, N. Y.), Vol.9, No.6, p.7, June, 1930.

181 Discussion: The Determination and Significance of the Proportional Limit in Testing Metals by R. L. Templin. L. B. Tuckerman. Proceedings, American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.), Part II, Vol.29, p.538, 1929.

182 Discussion: Fatigue Resistance of some Aluminum Alloys by J. B. Johnson and T. T. Oberg. L. B. Tuckerman. Proceedings, American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.), Part II, Vol.29, p.344, 1929.

183 Discussion: Fatigue Studies of Non-Ferrous Sheet Metals by J. R. Townsend and C. H. Greenall. L. B. Tuckerman. Proceedings, American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.), Vol.29, Part II, p.365, 1929.

184 Discussion: Report of Committee E-1 on Methods of Bend Testing. L. B. Tuckerman. Proceedings, American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.), Vol.29, Part I, p.503, 1929.

185 Bu.Stds. RP-161 - Physical Properties of Electrically Welded Steel Tubing. H. L. Whittemore, J. S. Adelson, and E. O. Seaquist. Journal of Research (Bureau of Standards, Washington, D. C.), Vol.4, No.4, p.475, April, 1930. 20 c. Also Journal of the American Welding Society (29 West 39th St., New York, N. Y.), Vol.9, No.10, p.17, October, 1930.

186 Iron and Steel Products Tested to Insure Safety in Construction. H. L. Whittemore. Commercial Standards Monthly (Superintendent of Documents, Government Printing Office, Washington, D. C.), Vol.6, No.7, p.189, January, 1930.

Facilities for Testing Structural Materials. H. L. Whittemore. Commercial Standards Monthly (Superintendent of Documents, Government Printing Office, Washington, D. C.), Vol.6, No.11, p.353, May, 1930.

187 Bu.Stds. RP-181 - Tests of Composite Beams and Slabs of Hollow Tile and Concrete. D. E. Parsons and A. H. Stang. Bureau of Standards Journal of Research, Vol.4, No.6, p.815, June, 1930. 15 c.

188 Bu.Stds. RP-185 - Relationships between Rockwell and Brinell Numbers. S. N. Petrenko. Bureau of Standards Journal of Research, Vol.5, No.1, p.19, July, 1930. 10 c.

189 Procedure Control for Aircraft Welding. H. L. Whittemore, J. J. Crowe, and H. H. Moss, Welding (108 Smithfield St., Pittsburgh, Pa.), Vol.1, No.9, p.589, July, 1930.

190 NACA Technical Report No. 348 - Strength of Welded Joints in Tubular Members for Aircraft. H. L. Whittemore and W. C. Brueggeman. 30 c. Also Journal of the American Welding Society (29 West 39th St., New York, N. Y.), Vol.9, No.9, p.107, September, 1930.

191 Bu.Stds. RP-216 - Seams for Copper Roofing. K. H. Beij, Bureau of Standards Journal of Research, Vol.5, No.3, p.585, September, 1930. 15 c.

192 Bu.Stds. RP-218 - Compressive Tests of Bases for Subway Columns. J. H. Edwards, H. L. Whittemore, and A. H. Stang. Bureau of Standards Journal of Research, Vol.5, No.3, p.619, September, 1930. 10c.

193 Bu.Stds. RP-227 - Note on the Electrical Resistance of Contacts Between Nuts and Bolts. F. Wenner, G. W. Nusbaum, and B. C. Cruickshanks. Bureau of Standards Journal of Research, Vol.5, No.3, p.757, September, 1930. 10c.

194 BU.Stds. RP-230 - Strength of Welded Shelf Angle Connections. J. H. Edwards, H. L. Whittemore, and A. H. Stang. Bureau of Standards Journal of Research, Vol. 5, No.4, p.781, October, 1930. 10c.

195 Bu.Stds. RP-232 - Stress Distribution in Welded Steel Pedestals. J. H. Edwards, H. L. Whittemore, and A. H. Stang. Bureau of Standards Journal of Research, Vol.5, No.4, p.803, October, 1930. 10c.

197 Federal Specifications for Boxes, Fiber, Solid. F.S. LLL-B-636, July 22, 1930. 5c.

198 NACA Technical Report No. 356 - Strength of Rectangular Flat Plates Under Edge Compression. Louis Schuman and Goldie Back. (NACA Sixteenth Annual Report, p.515, 1930). 15c.

199 Procedure Control in Aircraft Welding. H. L. Whittemore, John J. Crowe, H. H. Moss. Proceedings, American Society for Testing Materials(1315 Spruce St., Philadelphia, Pa.), Vol.30, Part II, pp.140-146, 1930.

200 Discussion: Aircraft Materials. L. B. Tuckerman. Proceedings, American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.), Vol.30, Part II, p.175, 1930.

201 Discussion: Failures of Aircraft Engine Parts and Causes Thereof by Thomas T. Neill. L. B. Tuckerman. Proceedings, American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.), Vol.30, Part II, pp. 195-196, 1930.

202 Discussion: Specimens for Torsion Tests of Metals by R. L. Templin, R. L. Morse. L. B. Tuckerman. Proceedings, American Society for Testing Materials (1315 Spruce St., Philadelphia, Pa.), Vol.30, Part II, p.545, 1930.

1931

203 Inspection Service for Welded Structures Seen as Need. H. L. Whittemore. Steel, Vol.88, No.8, p.44, Feb. 19, 1931. The Welding Engineer, Vol.16, No.3, p.49, March, 1931.

204 Bu.Stds. RP-268 - Strain Measurement in the Reinforcement for the Dome of the Natural History Building. W. C. Lyon, H. L. Whittemore, A. H. Stang, and L. R. Sweetman. Bureau of Standards Journal of Research, Vol.6, No.2, p.183, February, 1931. 15c.

205 Bu.Stds. RP-277 - Compressive Tests of Jointed H-Section Steel Columns. J. H. Edwards, H. L. Whittemore, and A. H. Stang. Bureau of Standards Journal of Research, Vol.6, No.2, p.305, February, 1931. 15c.

206 New Series of Tests on Flame-Cut Wind Connections. O. E. Hovey. Engineering News Record, Vol.106, No.18, p.729, April 30, 1931.

207 F.S. LLL-B-631 - Federal Specification for Boxes; Fiber Corrugated. July 22, 1930. 5c.

208 F.S. NN-B-601 - Federal Specification for Boxes; Wood, Cleated-Plywood Construction. December 9, 1930. 5c.

209 F.S. NN-B-621 - Federal Specification for Boxes; Wood, Nailed and Lock Corner. December 9, 1930. 10c.

210 F.S. NN-B-631 - Federal Specification for Boxes; Wood, Wirebound. December 9, 1930. 5c.

211 Progress Report No. 7, Committee on Welded Rail Joints. Can be purchased from American Bureau of Welding, 29 West 39th Street, New York, New York. May, 1931.

212 Testing the Strength of Manila Rope. H. L. Whittemore. Commercial Standards Monthly, Vol.8, No.2,p.57, August, 1931.

213 Report of Structural Steel Welding Committee of the American Bureau of Welding. Can be purchased from American Bureau of Welding, 29 West 39th Street, New York, New York. September, 1931. $1.00.

214 Brick Encased Columns Stronger. Engineering News Record, Vol.107, No.18, p.696, October 29, 1931.

215 Bu.Stds. RP-386 - The Relation of Torque to Tension for Threadlocking Devices. H. L. Whittemore, G. W. Nusbaum, and E. O. Seaquist. Bureau of Standards Journal of Research, Vol.7, No.5, p.945, November, 1931. 30c.