

AMERICAN
CONCRETE INSTITUTE

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PROCEEDINGS
OF THE
THIRTEENTH ANNUAL CONVENTION

Held at Chicago, Ill.,
February 8, 9, 10, 1917

VOLUME XIII

PUBLISHED BY THE INSTITUTE
1917

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SUMMARY OF THE PROCEEDINGS OF THE THIRTEENTH
ANNUAL CONVENTION.

Hotel La Salle, Chicago, Ill.

FIRST SESSION, MONDAY, FEBRUARY 8, 1917, 10 A. M.

The Convention was called to order by the President, Leonard C. Wason.

The President announced the appointment of the following Committee on Resolutions:

William M. Kinney, *Chairman*, Chicago.
Arthur N. Johnson, Chicago.
Arthur J. Maynard, State Farm, Mass.
Charles R. Gow, Boston, Mass.
David J. Merran.

The President announced the appointment of a Special Committee to investigate the recent fire in a concrete building at Far Rockaway, N. Y., the personnel to be announced later.

The following papers were then read and discussed:

"Slag as Concrete Aggregate," by Sanford E. Thompson, Consulting Engineer, Boston, Mass.

"Cost Accounting and Organization," by Leslie H. Allen, Aberthaw Construction Co., Boston, Mass.

Discussion by Frank R. Walker, Chicago, Ill.

"Relation between Engineers and Contractors," by C. A. Crane, Secretary, The General Contractor's Association, New York City; read by F. C. Wight, in the absence of the author.

"Field Tests of Concrete for the New York Subways," by J. C. Steinle, Assistant Engineer Public Service Commission, New York City.

"Building Codes for Small Towns," by Ernest McCullough, Consulting Engineer, Chicago, Ill.

SECOND SESSION, MONDAY, FEBRUARY 8, 1917, 8 P. M.

President Leonard C. Wason in the chair.

The report of the Committee on Reinforced Concrete and Building Laws was presented by the Chairman, E. J. Moore. On motion the "Standard Building Regulations for the Use of Reinforced Concrete," presented by the

Committee was adopted by vote of 14 to 10, and submitted to letter ballot of the Institute for adoption as Standard. (By motion later in the Convention this action was rescinded. See record of Fourth and Fifth Session.)

The following papers were then read and discussed:

- "Flow of Concrete," by E. B. Smith, U. S. Bureau of Standards, Washington, D. C.
- "Recent Tendencies in Industrial Building Construction," by William P. Anderson, President, Ferro Concrete Construction Co., Cincinnati, Ohio.
- "Extensometer Measurements in a Reinforced Concrete Building over a Period of One Year," by Arthur R. Lord, Consulting Engineer, Chicago, Ill.
- "Tests on Thin Flat Dome of Concrete Tile," by Willis A. Slater and C. R. Clark, University of Illinois.
- "Treatment of Concrete Ornamental Elevated Stations, Dual System of Rapid Transit," by S. J. Vickers, Architect, Public Service Commission, New York.
- "Unit Construction," by John E. Conzelman, Civil Engineer, St. Louis, Mo.

THIRD SESSION, TUESDAY, FEBRUARY 9, 1917, 10 A. M.

President Leonard C. Wason in the chair.

The progress report of the Committee on Reinforced Concrete Standpipes was read by the Secretary.

The paper on "Concrete Piles, Plain and Reinforced," was read by Charles R. Gow, Boston, Mass., its author.

The report of the Committee on Sewers, Plain and Reinforced, was presented by its Chairman, W. W. Horner, of St. Louis, Mo. The proposed Standard Specification for Concrete Sewers was discussed and ordered printed.

The following papers were read and discussed:

- "Sewer Problem Due to Subways in New York," by Samuel D. Bleich, Assistant Division Engineer, Public Service Commission, New York City; read by H. B. Alvord in the absence of the author.
- "A Course of Instruction in Reinforced Concrete," by Prof. William K. Hatt, Purdue University.

A paper, "Effect of Hydrated Lime on the Strength, Absorption and Expansion of Concrete," by Prof. H. H. Scofield, Purdue University, was on the program but Prof. Scofield was unable to be present. His paper is printed in the Proceedings. In his absence the general subject of hydrated lime was formally discussed by P. H. Bates, U. S. Bureau of Standards and Bela Nagy, Hydrated Lime Bureau, both of Pittsburgh.

A paper, "Does Concrete Construction Reduce Vibration?" by Morton C. Tuttle, Secretary, Aberthaw Construction Company, Boston, Mass., was read by Frank C. Wight in the absence of the author.

On motion the Convention adopted to be sent to letter ballot, as Standard No. 1 replacing the present Standard No. 1, the standard Cement Specifications adopted by the American Society for Testing Materials to become effective January 1, 1917.

FOURTH SESSION, TUESDAY, FEBRUARY 9, 1917, 7.30 P. M.

President Leonard C. Wason in the chair.

A. N. Johnson, Chairman, presented the report of the Committee on Concrete Roads and Paving. The report was adopted and the following Specifications included in it sent to letter ballot for adoption as Standards.

Specifications for Concrete Roads, Streets and Alleys.

Standard No. 5. One-Course Concrete Highway.

Standard No. 17. One-Course Concrete Pavement.

Standard No. 18. Two-Course Concrete Pavement.

Standard No. 19. One-Course Concrete Alley Pavement.

Standard No. 20. Concrete Pavement Between Street-Car Tracks.

The following papers were read and discussed:

"Friction of Concrete Slabs on Different Supporting Materials," by A. T. Goldbeck, Engineer of Tests, Office of Public Roads and Rural Engineering, Washington, D. C.; read by H. D. Hynds in the absence of the author.

"Essentials for the Successful Construction of Concrete Highway," by William M. Acheson, Division Engineer, State Highway Department, Syracuse, N. Y. (Printed in *Proceedings*, Am. Con. Inst. Vol. 12.)

"Condition of the Wayne County Roads," by A. N. Johnson, Consulting Engineer, Chicago, Ill.

"Maintenance of Concrete Roads in Connecticut," by W. Leroy Ulrich, State Highway Department, Hartford, Conn.

"Some Recent Developments in the Construction of Concrete Roads," by William M. Kinney, Engineer, Promotion Bureau, Universal Portland Cement Co., Chicago, Ill.

On motion the Final Report of the Joint Committee on Concrete and Reinforced Concrete was received by the Convention by unanimous vote.

On motion the Report of the Committee on Reinforced Concrete and Building Laws, ordered at Second Session to be sent to letter ballot was also

ordered to be accompanied with all the data on which the decisions therein were based. Vote 17 to 9. (This action was rescinded by later action in Fifth Session.)

Motion that Final Report of Joint Committee on Concrete and Reinforced Concrete be sent to letter ballot of the Institute as Recommended Practice was ruled out of order by the Chair on the ground that this report had not been before the Institute the constitutionally required 30 days.

FIFTH SESSION, WEDNESDAY, FEBRUARY 10, 1917, 10 A. M.

President Leonard C. Wason in the chair.

Business Session.

The President reported that the letter ballot had resulted in election of the following officers for the ensuing year:

President: William K. Hatt.

Vice-President: Sanford E. Thompson.

Treasurer: Robert W. Lesley.

Directors: *Third District*—W. P. Anderson.

Fourth District—Ernest Ashton.

Fifth District—Ernest McCullough.

The Secretary read the Annual Report of the Board of Directors.

The Secretary read the Auditor's Report.

The Committee on Resolutions read the following report:

WHEREAS, The papers presented at the 1917 Convention of the American Concrete Institute have been of unusual merit and have brought out considerable discussion; be it

Resolved, That the authors of these papers be tendered the thanks of the Institute; and be it further

Resolved, That the President be hereby instructed to address a letter expressing these thanks to each author.

WHEREAS, The progress of the American Concrete Institute during the year 1916 had been unusually well maintained, the papers provided for the 1917 Convention have been of unusual interest and merit; and

WHEREAS, Each session has shown a large and interested attendance; be it

Resolved, That the thanks and commendation of the American Concrete Institute be extended to President L. C. Wason for his untiring efforts and to the other officers and directors for their able counsel and assistance.

WHEREAS, The American Association of Engineers has extended an invitation to the American Concrete Institute to cooperate in a banquet, and those in charge of this banquet have worked diligently and faithfully to make it a successful and enjoyable occasion; be it

Resolved, That the American Concrete Institute extends to the American Association of Engineers and its officers expressions of deep appreciation and thanks them for their cordial interest.

On motion the following resolution was adopted.

It has been called to the attention of the 1914-15 Committee on Reinforced Concrete and Building Laws that the report of the Committee on Column Tests, as published, stated that the Engineering Experiment Station of the University of Illinois cooperated to the extent of furnishing observers in conducting the tests. It is desired to put on record that the tests were made distinctly as cooperative work, and that the Engineering Department of the University of Illinois was a participant in this investigation.

The following paper was read and discussed:

"Artistic Stucco," by John B. Orr, Miami, Fla.

On motion of E. J. Moore, Chairman of the Committee on Reinforced Concrete and Building Laws, the report of that committee was ordered to go over for another year without action.

The report of the Committee on Building Block and Cement Products was presented by the Chairman, Robert F. Havlik. On motion the following Specifications were ordered to letter ballot for adoption as Standards:

Standard No. 21. Specification for Reinforced - Concrete Fence Posts.

Standard No. 10. Standard Specifications and Building Regulations for the Manufacture and Use of Concrete Architectural Stone, Building Blocks, and Brick.

On motion of the Chairman the Standard Specifications on Drain Tile of the American Society for Testing Material was adopted to be sent to letter ballot as Standard No. 9 of the American Concrete Institute.

On motion the following resolution was adopted:

That the Committee on Publications be empowered to so edit all communications intended for publication that they will conform to the Standards of the Institute, such editing to control the form but not the substance of such communications.

The following papers were then read and discussed:

"Ornamental Products," by A. G. Higgins, Manager, Trusswall Manufacturing Co., Kansas City, Mo.

"Cast Concrete in the Improvement of the Lake Front at Chicago," by L. G. White, Chief Engineer, South Park Commissioners, Chicago.

"Concrete Roofing Tile," by A. B. Tamm, Hawthorne Cement Products Co., Cicero, Ill.; read by Mr. Ferguson in the absence of the author.

"Concrete Silo Staves," by S. D. Playford, Elgin, Ill.

SIXTH SESSION, FEBRUARY 10, 1917, 3 P. M.

Mr. W. M. Kinney in the chair.

The following paper was read and discussed:

"Effect of Width of Slab on Effective Width for Design," by A. T. Goldbeck, Engineer of Tests, U. S. Office of Public Roads and Rural Engineering, Washington, D. C.; read by W. A. Slater in the absence of the author.

The report of the Committee on Nomenclature was presented by Leslie H. Allen of the committee.

The report of the Committee on Reinforced-Concrete Highway Bridges and Culverts was presented by W. K. Hatt of the committee. The report was received as information and ordered printed.

The report of the Committee on Concrete Aggregates was presented by Cloyd M. Chapman of the committee.

The report of the Committee on Reinforced-Concrete Chimneys was presented by J. E. Freeman of the committee.

President Leonard C. Wason took the chair.

The report of the Committee on Sidewalks and Floors was presented by J. E. Freeman, Chairman.

The report of the Committee on Fireproofing was read by the President. President-elect William K. Hatt took the chair.

The President-elect declared the Convention adjourned *sine die*.