

SUMMARY OF PROCEEDINGS OF THE TWENTY-FIRST
ANNUAL CONVENTION.

Drake Hotel, Chicago, Illinois.

FIRST SESSION, TUESDAY, FEBRUARY 24, 1925, 2 P. M.

The convention was called to order by A. E. Lindau, president of the American Concrete Institute.

The following papers were read and discussed:

"Theory Must Aid Practice in Concrete Making," by C. P. Richardson.

"The Design of Concrete Mixtures Under Field Conditions," by T. P. Watson.

"Field Control of Concrete on the Delaware River Bridge," by A. W. Munsell.

"Notes on Laitance," by R. M. Miller.

JOINT SECOND SESSIONS, TUESDAY, FEBRUARY 24, 1925, 8 P. M.

Two co-ordinate sessions were held on Tuesday evening (a) for those interested in reinforced-concrete building construction, with Vice-President E. D. Boyer in the chair, and (b) for concrete products manufacturers, with A. J. R. Curtis in the chair. The meeting consisted of the discussion of certain questions previously printed.

THIRD SESSION, WEDNESDAY, FEBRUARY 25, 1925, 9.30 A. M.

President A. E. Lindau in the chair.

The report of Committee E-6, "Destructive Agents and Protective Treatments," was presented by F. R. McMillan, secretary. The report was discussed.

The report of Committee E-5, "Aggregates," was presented by Frank H. Jackson, secretary. The report was a progress report, and was accepted.

The report of the Institute's representation on the Joint Committee on Concrete and Reinforced Concrete (Committee J-1) was presented by S. C. Hollister, chairman.

The motion was adopted that the report of the Joint Committee on Concrete and Reinforced Concrete be received by the Institute and printed in the *Proceedings*.

The report of Committee E-1, "Building Laws," was presented by F. R. McMillan, chairman. The report consisted in the presentation of preliminary studies for revised standard building regulations.

FOURTH SESSION, WEDNESDAY, FEBRUARY 25, 1925, 2 P. M.

Mr. J. W. Lowell in the chair.

This meeting was devoted to a discussion of progress in details of operation of plants for the manufacture of concrete building units—a discussion to cover the broad work of Committee P-6, on Concrete Products Plant Operation. It consisted of a discussion led by Mr. Lowell and C. L. Bourne, chairman and secretary of Committee P-6, respectively.

At the meeting there was consideration of Committee P-6 report on Recommended Practice for the Manufacture of Concrete Building Block, Building Tile, and Brick.

FIFTH SESSION, WEDNESDAY, FEBRUARY 25, 1925, 8 P. M.

Past-president Richard L. Humphrey in the chair.

The following papers were read and discussed:

"Concrete from the Viewpoint of Mr. Cement," by Thaddeus Merri-
man.

"Notes on the Construction of a Concrete Stadium," by W. H. Hatt.
"Crazing on Cement Products," by P. H. Bates.

(A presentation by the chairman of Committee P-1 on
Crazing and his understanding of the problems of that newly-
formed committee.)

"Shall Anything Be Added to Portland Cement," by Maximilian
Toch.

"Proportioning Concrete Materials with Special Reference to Highway Construction," by G. W. Hutchinson.

"Coefficient of Expansion Tests on Gunite," by M. O. Fuller (by title only).

SIXTH SESSION, THURSDAY, FEBRUARY 26, 1925, 9.30 A. M.

Past-president Richard L. Humphrey in the chair.

Report of Committee S-6 on Roads and Streets was read by C. R. Ege, secretary. The report consisted in the presentation of Tentative Standard Specifications for One-Course Concrete Pavement for Streets; Tentative Standard Specifications for Two-Course Concrete Pavement for Streets, Tentative Standard Specifications for Two-Course Concrete Pavements for Highways.

All were adopted by the meeting to be sent to letter ballot for adoption as standards.

The following paper was read and discussed:

"Applying the Inundation Method to Control Moisture Content," by A. A. Levison.

The report of Committee P-7 on Pipe and Drain Tile was presented by C. F. Buente, chairman. The report presented revisions on Tentative Specifications for Concrete Drain Tile, Plain Concrete Sewer Pipe and Reinforced-Concrete Sewer Pipe.

The report made the following recommendations: That the Tentative Standard Specifications for Concrete Drain Tile P-7B-24T be submitted to letter ballot of the Institute and become a standard (adopted by the meeting). (2) That the Proposed Standard Specifications for Plain and Concrete Drain Tile, 1910-1911, be withdrawn (adopted by the meeting). (3) That the Recommended Practice for Plain Concrete Drain Tile of 1912 and Standard Specifications for Concrete Drain Tile of 1917 be submitted to the Institute by letter ballot for withdrawal (adopted by the meeting). (4) That Tentative Standard Specifications for Reinforced-Concrete Sewer Pipe P-7C-24T be adopted as Tentative Standards by the Institute.

The following paper was read and discussed:

"Finishing Concrete Floors," by E. E. Davis.

The report of Committee C-2 on Floors and Sidewalks was read by A. C. Irwin, secretary. The report consisted in the recommendation that Tentative Standard Specifications for Portland Cement Concrete Sidewalks C-2B-24T be advanced to Standard (adopted by the meeting). (2) That there be a revision of Standard Specifications for Concrete Floors C-2A-24 (motion was adopted).

The following papers were read and discussed:

"Central Mixing Plants," by W. E. Hart.

"Securing Texture for Portland Cement Stucco," by Samuel Warren.

SEVENTH SESSION, THURSDAY, FEBRUARY 26, 1925, 2 P. M.

President A. E. Lindau in the chair.

The report of the Board of Direction was read by the Secretary.

Past-president Richard L. Humphrey in the chair.

The tellers announced the following elections:

President, A. E. Lindau, of Chicago.

Vice-President (2-year term), Edward D. Boyer, New York.

Secretary and Treasurer, Harvey Whipple, Detroit.

Directors, 3rd District, S. C. Hollister.

4th District, John J. Earley.

5th District, Duff A. Abrams.

President Lindau in the Chair.

A discussion on the suggestions for furthering the work of the American Concrete Institute followed.

The report of Committee C-3, "Treatment of Concrete Surfaces," was presented by J. C. Pearson, chairman.

A new Tentative Standard Recommended Practice for Treatment of Exterior Surfaces of Industrial Reinforced-Concrete Buildings was presented and was ordered by the meeting to be continued into Tentative Standards.

The committee further presented progress report, which was received.

The report of Committee S-5 on Concrete Dwelling Houses was presented by J. A. Ferguson, chairman. The report consisted in proposed Recommended Practice for the Design and Construction of Concrete Dwelling Houses. It was accepted as a progress report.

The report of Committee P-1 on Concrete Standard Building Units was presented by C. L. Bourne, secretary.

Tentative Standard Specifications for Concrete Building Block and Concrete Building Tile, and for Concrete Brick were submitted to be advanced to Standards.

The report of Committee P-5 on Fire Resistance of Concrete Building Units was presented by Leslie H. Allen, chairman. The report was accepted.

The report of Committee P-6, "Concrete Products Plant Operation," was presented by J. W. Lowell, chairman. It presented Proposed Revised Recommended Practice for the Manufacture of Concrete Building Block, Building Tile and Brick. Accepted as tentative.

Annual Banquet, Drake Hotel, Chicago, Ill., Feb. 26, 1925, 7 P. M.
Frank C. Wight, toastmaster.

Addresses were made by A. E. Lindau, president; James Weber Linn, professor of english at the University of Chicago; and F. R. Moulton, professor of astronomy, University of Chicago.

Frank C. Wight, chairman, Wason Medal Committee, presented the Wason Medal to Richard L. Humphrey.

EIGHTH SESSION, FRIDAY, FEBRUARY 27, 1925, 9.30 A. M.

President A. E. Lindau in the chair.

The report of Committee C-5, "Measurement of and Estimating Concrete," was presented by Frank R. Walker, chairman. It contained Tentative Specifications for the Measurement of and Estimating of Concrete, which were adopted as such.

The report of Committee S-1, "Reinforced-Concrete Chimneys," was presented by Eric Plagwit, chairman. The report consisted in the preliminary report on Recommended Practice for the Design of Reinforced-Concrete Chimneys and Proposed Tentative Specifications for the Construction of Reinforced-Concrete Chimneys. After discussion, the report was referred back to the committee for further study.

The following paper was read and discussed:

"Report of Tests Made to Determine the Temperatures in Reinforced-Concrete Chimney Shells," by E. A. Dockstader.

The report of Committee G-4 on Nomenclature was presented by W. A. Slater. The report was accepted as a progress report.

The report of Committee E-4 on Fire Resistance of Concrete was presented by N. D. Mitchell, chairman. It was a progress report accepted by the meeting.

The report of Committee E-8 on Expansion Joints was presented by title.

The following paper was read and discussed:

"Design of Reinforced-Concrete Circular Bins for the Storage of Cement," by H. A. Ward.