

SUMMARY OF PROCEEDINGS OF THE NINETEENTH
ANNUAL CONVENTION.

Sinton Hotel, Cincinnati, Ohio.

FIRST SESSION, MONDAY, JANUARY 22, 1923, 2 P. M.

The convention was called to order by William P. Anderson, President of the American Concrete Institute.

The following papers were read and discussed:

"The Development of Reinforced-Concrete Pipe for Transmission of Water Under Pressure," by W. G. Chace.

"Developments in Surface Treated Concrete," by R. E. Havlik.

The latter paper was accompanied by a demonstration of methods of molding concrete pieces.

The report of Committee P-1, on Standard Building Units, was presented by W. R. Harris, chairman. This report consisted of the presentation of (1) "Proposed Standard Specifications for Concrete Building Block and Concrete Building Tile" and (2) "Proposed Standard Specifications for Concrete Brick."

After discussion the two specifications were accepted as tentative standards.

The following paper was read and discussed:

"Report of Results of Fire Tests of Concrete Building Block,"
by Leslie H. Allen.

This was accepted as a progress report of Committee P-5, on Fire Resistance of Concrete Building Units.

The meeting was terminated by a discussion of a paper entitled "Design of Reinforced-Concrete Pipe," which had been prepared merely for discussion purposes by C. F. Buente, chairman, Committee P-7, on Pipe, Drain Tile, and Conduit.

SECOND SESSION, MONDAY, JANUARY 22, 1923, 8 P. M.

Past-President W. K. Hart in the chair.

The following papers were read and discussed:

"Design and Construction Features of the Ideal Section of the Lincoln Highway," by W. G. Thompson.

"The Trend of Design and Construction of Concrete Roads," by H. Elling Breed.

"Correction Data for Comparative Test Results from Field Specimens," by G. W. Hutchinson.

The report of Committee J-2, the Joint Committee on Concrete Culvert Pipe, was read by B. S. Pease, chairman.

The report of Committee S-6, on Concrete Roads and Pavements, was read by W. M. Acheson, chairman. This report consisted in the presentation of a tentative standard specifications for one course concrete highways. The specification was accepted as tentative.

Vice-President A. E. Lindau in the chair.

The report of Committee E-3, on Research, was read by W. K. Hatt, chairman. It consisted of a paper entitled "Research in the Field of Concrete."

THIRD SESSION, TUESDAY, JANUARY 23, 1923, 9.30 A. M.

W. R. Harris in the chair.

The following papers were read and discussed:

"Discussion and Demonstration of the Application of Scientific Methods of Making Concrete to the Requirements of Concrete Products Manufacturers," by Duff A. Abrams and Stanton Walker. This was accompanied by a demonstration of actual test methods.

"How to Make More Money in Concrete Building Units Manufacture," by John W. Lowell.

There was a round table discussion of products, plant operating and cost problems.

During the morning, a separate session, with Leslie H. Allen in the chair, was held at which the following papers were read and discussed:

"Estimating and Cost Keeping," by Frank R. Walker.

"Methods of Measurement," by J. W. Gluder.

FOURTH SESSION, TUESDAY, JANUARY 23, 1923, 2 P. M.

President W. P. Anderson in the chair.

The Secretary read the report of the Board of Direction, reviewing Institute affairs of the year.

The meeting voted to send the proposed amendments to the by-laws to letter ballot for adoption.

There followed a round table discussion "For the Good of the Organization."

The following papers were read and discussed:

"A New Design for Concrete Water Tanks," by W. S. Hewitt.
(Read by F. R. McMillan.)

"Effect of Impure Water on the Strength of Concrete," by Duff A. Abrams.

"Design of Elastic Structures from Paper Models," by George E. Beggs.

TUESDAY, JANUARY 23, 1923, 8.30 P. M.

The Wason Medal was presented to George E. Beggs, Princeton University, for his paper "An Accurate Mechanical Solution of Statically Indeterminate Structures by Use of Paper Models and Special Gages." The medal was presented by Frank C. Wight, chairman of the Wason Medal Committee.

FIFTH SESSION, WEDNESDAY, JANUARY 24, 1923, 9.30 A. M.

Past-President H. C. Turner in the chair.

The report of the Institute representation on the Joint Committee and Reinforced-Concrete was read by S. C. Hollister, chairman of the Institute Representation.

The report of the Committee on Nomenclature was read by W. A. Slater, chairman. This consisted of a series of definitions under the title "Defining the Special Terms Peculiar to Concrete Work."

The following papers were read and discussed:

"Design, Construction and Cost of Concrete Stadiums," by Clyde T. Morris.

"Design and Construction of University of Kansas Stadium," by C. C. Williams.

"Major Factors in the Design and Construction of the University of Pennsylvania Reinforced-Concrete Stadium," by H. T. Campion.

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

President, William P. Anderson.

Vice-President, A. E. Lindum.

Treasurer, Harvey Whipple.

Directors, *Third District*, S. C. Hollister; *Fourth District*, J. C. Pearson; *Fifth District*, D. A. Abrams.

SIXTH SESSION, WEDNESDAY, JANUARY 24, 1923, 2 P. M.

Past-President Richard L. Humphrey in the chair.

The following paper was read and discussed:

"An Interesting Case of a Dangerous Aggregate," by J. C. Pearson and G. F. Laughlin.

The following resolution was introduced by Mr. Leslie H. Allen and unanimously adopted by the meeting:

It is resolved that it is in the sense of this meeting that the rules of measurement adopted by the American Concrete Institute in 1913 be revised and amended, and the Institute requests the Board of Direction to appoint a committee to revise and amend these rules, having particular reference to the relation of cost estimating and cost accounting to the subject, this committee to be instructed to report at the next convention a revised set of rules of measurements with reasons therefor.

The rest of the session was given over to a discussion of the "Question Box" which consisted of twenty questions on subjects of interests to concrete users.

The report of Committee C-2, on Concrete Floor Finish, was presented by N. M. Loney, chairman. It consisted of Tentative Standard Specifications for Concrete Floors. The specifications were adopted as tentative.

The report of Committee S-4, on Concrete Storage Tanks, was presented by W. E. Hart, secretary. The report consisted of the presentation of Proposed Standard Specifications for Concrete Fuel Oil Storage Tanks. By vote of the meeting the specifications were accepted as Tentative Recommended Practice and Tentative Specifications for Concrete Fuel Oil Tanks.

The report of Committee S-3, on Reinforced and Plain Concrete Sewers and Conduits, was presented by A. C. Irwin, of the committee. This consisted in the presentation of Tentative Standard Specifications for Monolithic Concrete Sewers and Recommended Rules for Concrete Sewer Design, which were accepted by the meeting.

The report of Committee C-1, on Contractor's Plant, was presented by J. G. Ahlers, chairman. The report was received.

SEVENTH SESSION, WEDNESDAY, JANUARY 24, 1923, 8 P. M.

Vice-President A. E. Lindau in the chair.

The following paper was read and discussed:

"Thoughts on Concrete Houses," by J. C. Pearson.

The report of Committee C-3, on Treatment of Concrete Surfaces, was presented by J. C. Pearson, chairman. It consisted of the presentation of (1) Recommended Practice for the Finish of Exterior Surfaces of Concrete Industrial Buildings. It was voted that these be accepted as tentative standards. (2) "Proposed Revised Standard Recommended Practice for Portland Cement Stucco." It was voted by the meeting that this be sent to letter ballot as standard.

The following papers were read and discussed:

"A New Art of Concrete," by Lorado Taft.

"How 'The Fountain of Time' Was Reproduced in Concrete,"
by J. J. Earley.

The report of Committee S-5, on Concrete Houses, was read by its chairman, John A. Ferguson. It was accepted as a progress report.

EIGHTH SESSION, THURSDAY, JANUARY 25, 1923, 9.30 A. M.

Vice-President M. M. Upson in the chair.

The following papers were read and discussed:

"Some Defects in Concrete Buildings—Their Causes and How
to Minimize by Proper Design," by H. D. Loring.

"Inundation Methods for Measurement of Sand in Making Con-
crete," by W. A. Slater and G. A. Smith.

This was followed by discussion by R. L. Bertin and a demonstration
of the methods outlined in the Slater and Smith paper.

"Effects of Serious Formwork Fire on Large Warehouse Job,"
by A. R. Lord.

NINTH SESSION, THURSDAY, JANUARY 25, 1923, 2 P. M.

President W. P. Anderson in the chair.

The report of Committee E-7, on Waterproofing, was read by the
chairman, S. C. Hollister. It was accepted as a progress report.

Frank C. Wight in the chair.

The following papers were read and discussed:

"Report of Field Tests of Methods Used in New York Building
Construction for Obtaining Concrete of Specified Strength,"
by J. G. Ahlers.

"An Analysis of the Variables in Concrete from the Construction
Standpoint with Some Results of Job Tests," by W. P.
Bloecher.

Report of Committee E-6, on Destructive Agents and Protective
Treatments, read by M. M. Upson, chairman. This consisted of a progress
report on destructive agents and protective treatments, dealing particu-
larly with the action of sea water. It was accepted as a progress report.