

NATIONAL ASSOCIATION
OF
CEMENT USERS

PROCEEDINGS

OF THE

FOURTH ANNUAL CONVENTION

Held at Buffalo, New York,
January 20, 21, 22, 23, 24, 25, 1908

VOLUME IV

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SUMMARY OF PROCEEDINGS OF THE FOURTH
CONVENTION.

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FIRST SESSION.—TUESDAY, JANUARY 21, 1908, 10.00 A. M.

Convention called to order by President Richard L. Humphrey.

Address of Welcome on behalf of the city of Buffalo was delivered by the Hon. J. N. Adam, Mayor, as follows:

I understand you have come to us with a "concrete proposition." Your purpose is to cement our interest with your own, to mutual advantage, and, therefore, we most heartily bid you welcome to our city.

Cement construction for a while seemed to be one of the lost arts. We used to hear of Roman cement, and when I went to Rome and saw what it was I wondered why it had been superseded. Perhaps it was because builders had found a way to mix it to their advantage and in the end had killed the goose that laid the golden egg. Some people in Scotland say whiskey is bad, especially bad whiskey, and I am sure there is nothing so bad in concrete as bad concrete.

If our friendships are cemented by unworthy motives they will not last very long. So it seems the real secret of your business is integrity, and, after all, that is the real secret in everything. Your molds may be all right, the separate component parts may be all right, but if the mixture be disproportioned, all goes wrong. "Pray, Mr. Opie, what do you mix your paints with?" "With brains, sir," said Mr. Opie, and he might have added, "with honesty."

You have come to Buffalo with a double purpose—to advance your own interests and to advance ours. This is a community of interest that should be encouraged. You have brought with you an exhibit of your materials and appliances that we may have ocular demonstration of the value of your suggestions. Seeing is believing. We shall look with both eyes. For we have an idea

that you have got a good thing and something that may be of use to us. We have some good examples of your craft in Buffalo. I hope that 'ere long we shall have many more. Those we have are spoken of as fireproof, waterproof, weatherproof, insect-proof, sound-proof, earthquake-proof—proof against almost everything, in fact.

Gentlemen, we welcome you to Buffalo. It is a fine city, and when adorned with a few more cement buildings it may be finer still. Stay with us and put them up. We will sell you the land on easy terms. Do not let your time be all engrossed with business. Take a drive around and see how pleasant a place Buffalo is, and hear some of the fine music which has been provided for you during your stay with us.

We shall at least have our acquaintance cemented. Welcome to Buffalo.

Response of President Richard L. Humphrey:

Mr. Mayor, on behalf of the National Association of Cement Users I desire to express to you our appreciation of the particularly fitting way in which you have welcomed us to this great city. I am quite sure that I but poorly express the views of my colleagues when I say to you that already we are gathering pleasant memories of the city of Buffalo which we shall carry away with us. I think to all good Americans Buffalo is a Mecca. It is peculiarly rich in historic points of interest. It should be noted that early in the history of the cement industry in this country Buffalo had factories for its manufacture; and again, Buffalo, early in the history of this Association, welcomes us here and shows its progressiveness in helping along that which they believe to be a new industry. Our brief stay in the city of Buffalo, I am sure, will be pleasant; and may I express the wish that the loyal citizens of Buffalo will participate in our deliberations, that these deliberations will be productive of much good, and that we will leave some truths, some facts, some new information regarding cement that will be helpful to you.

I further desire to express to you the hope, in view of all the pleasant associations here, the cordial welcome which you, Mr. Mayor, have extended to us as the representative of this city, the enthusiasm of the chairman and members of the local com-

mittee and the individual citizens of the city of Buffalo who have been so energetic in perfecting arrangements for the convention, that we may return in the near future and once more enjoy your hospitality.

Again, on behalf of the National Association of Cement Users, I desire to thank you and express our hearty appreciation of your cordial welcome.

The President announced the appointment of the following committees:

Committee on Nomination of Officers:

Edward D. Boyer, Chairman, Catasauqua, Pa.
 John E. Conzelman, St. Louis, Mo.
 Robert C. Morris, Louisville, Ky.
 John A. Maynard, Bridgewater, Mass.
 Isaac F. West, Wichita, Kan.

Committee on Resolutions:

Robert W. Lesley, Chairman, Philadelphia, Pa.
 M. C. Robinson, Ashtabula, Ohio.
 A. N. Pierson, East Orange, N. J.
 L. V. Thayer, Minneapolis, Minn.
 F. K. Irvine, Chicago, Ill.

The President announced that in anticipation of the adoption of certain amendments proposed by the Executive Board, and unless objected to by the Convention, the Committee on Nomination of Officers would nominate a Vice-President for each of the following sections into which the Association had been divided by the Executive Board:

Art and Architecture.
 Cement Products and Machinery.
 Insurance Laws and Ordinances.
 Reinforced Concrete.
 Streets, Sidewalks and Floors.
 Testing Cement and Cement Products.

By reason of Mr. C. W. Boynton's unavoidable absence the presentation of his paper was deferred until Wednesday evening.

The report of the Committee on Streets, Sidewalks and

Floors, George L. Stanley, Chairman, was read and discussed, with a view of finally agreeing on a standard specification. The committee deferred action in the matter until after the presentation of the paper by C. W. Boynton on Specifications for Sidewalks. The President announced that the Association should begin formulating a series of standard specifications covering the various branches of the cement industry for incorporation in the proceedings. A start could be made at the present convention and in time a book of approved standards could be gotten out which would be useful to everyone in the cement business.

SECOND SESSION.—TUESDAY, JANUARY 21, 1908, 8.00 P. M.

Meeting called to order by the President, Richard L. Humphrey.

Vice-President M. S. Daniels invited to take the chair.

The annual address was delivered by the President.

The following papers were read and discussed:

“Fundamental Principles of Reinforced Concrete Construction,” W. K. Hatt.

“Methods and Costs of Reinforced Concrete Construction with Separately Molded Members,” W. H. Mason.

“The Necessity of Continuity in the Steel Reinforcement of Concrete Structures,” E. P. Goodrich.

The meeting then adjourned until Wednesday at 10.00 A. M.

WEDNESDAY, JANUARY 22, 1908, 9.00 A. M.

Meeting of Section on Concrete Blocks and Cement Products.

President Richard L. Humphrey in the chair.

The session was devoted to a topical discussion of the manufacture of concrete blocks.

THIRD SESSION.—WEDNESDAY, JANUARY 22, 1908, 10.00 A. M.

President Richard L. Humphrey in the chair.

The following papers and reports were read and discussed:

Report of Committee on Testing Cement and Cement Products, E. S. Larned, Chairman, which was

referred back to the Committee for incorporation of amendments and to be reported to the Convention at a later session for adoption.

Report of Committee on Machinery for Cement Users, M. Wetzstein, Chairman, was read, and on motion accepted by the Convention.

Report of Committee on Art and Architecture, Charles D. Watson, Chairman, was read and approved. The Committee was instructed to carry out the suggestions contained therein.

Paper of Robert W. Lesley, "Co-operation: What it is and What it can Accomplish."

The meeting was then declared a business session.

Report of the Executive Board and the minutes of the meetings of the Executive Board were adopted as read.

The following amendments to the By-Laws proposed by the Executive Board were adopted and ordered sent out for letter ballot:

Amend Article II by inserting after Section 1 the following:

"SECTION 2. There shall be an Executive Committee of the Executive Board consisting of the President, Secretary, Treasurer and two of its members, who shall be appointed by the Executive Board."

Insert after Section 7:

"SECTION 9. The Executive Committee shall manage the affairs of the Association during the interim between the meetings of the Executive Board."

Amend Section 8 to read:

"SECTION 10. The Association shall be divided into such sections as the Executive Board may determine by the enrollment of members of the Association in such sections as they may choose. The Chairmen of these sections shall be reported by the Committee on Nominations of Officers to the Association for election as Vice-Presidents of the Association at the general election. Standing committees of four additional

members each shall be appointed by the President of the Association in consultation with the respective chairmen to aid them in their work."

Amend Section 9 so as to read:

"SECTION 11. At the first regular session of the Annual Convention the President shall announce the Committee on Nomination of Officers, and the Committee on Resolutions. These committees shall be appointed by the Executive Board."

Renumber Sections 2, 3, 4, 5, 6, 7 and 10.

Amend Article III by adding:

"SECTION 2. The Executive Board shall meet at least twice each year, the time and place to be fixed by the Executive Committee."

Amend Article IV by striking out Section 4.

The place for the next convention was considered, and invitations were extended on behalf of Atlantic City by George S. Lenhart; on behalf of the city of Louisville, by Robert C. Morris, and of the city of Chicago, by Curt M. Treat. The matter was referred to the Executive Board for action.

The question of providing additional funds for carrying on the work of the Association through the medium of contributing members was thoroughly discussed, and the following resolution was unanimously adopted:

That a committee be appointed by the President for the purpose of suggesting ways and means for immediately securing additional funds for the work of the Association.

The President then appointed the following committee, to be further enlarged as he deemed desirable:

Robert W. Lesley, Chairman, Philadelphia, Pa.
Edward D. Boyer, Catasauqua, Pa.
John E. Conzelman, St. Louis, Mo.
Robert C. Morris, Louisville, Ky.
Mentor Wetzstein, South Bend, Ind.

The Committee on Nominations for Officers reported the following to serve for the ensuing year:

- President, Richard L. Humphrey, Philadelphia, Pa.
 First Vice-President, Merrill Watson, East Orange, N. J.
 Second Vice-President, M. S. Daniels, Suffern, N. Y.
 Third Vice-President, S. D. Newberry, Sandusky, O.
 Fourth Vice-President, George C. Walters, Atlanta, Ga.
 Art and Architecture, Charles D. Watson, Pittsburgh, Pa.
 Cement and Cement Products, O. U. Miracle, Minneapolis, Minn.
 Insurance Laws and Ordinances, W. H. Ham, Youngstown, O.
 Reinforced Concrete, Sanford E. Thompson, Newton Highlands, Mass.
 Streets, Sidewalks and Floors, W. W. Schouler, Newark, N. J.
 Testing Cement and Cement Products, E. S. Larned, Boston, Mass.

Mr. Miracle withdrew in favor of A. T. Bradley, and the officers thus nominated were unanimously elected, the Secretary casting the ballot.

The Convention then adjourned until 8.00 P. M.

FOURTH SESSION.—WEDNESDAY, JANUARY 22, 1908, 8.00 P. M.

President Richard L. Humphrey in the chair.

The following papers were read and discussed:

- "Factory Made Concrete," Charles D. Watson.
 "Exposed Selected Aggregates in Monolithic Concrete Construction," Albert Moyer.
 "Concrete as a Plastic Material," E. B. Green.
 "Specifications for Cement Sidewalks," C. W. Boynton (read by Mr. Kinney).

The Convention then adjourned until Thursday morning at 10 o'clock.

THURSDAY, JANUARY 23, 1908, 9.00 A. M.

Meeting Section on Streets, Sidewalks and Floors.

President Richard L. Humphrey in the chair.

The session was devoted to a consideration of the report on Standard Specifications for Sidewalks.

FIFTH SESSION.—THURSDAY, JANUARY 23, 1908, 10.00 A. M.

President Richard L. Humphrey in the chair.

Report of Committee on Standard Specifications for Sidewalks, George L. Stanley, Chairman, was read, discussed and referred back to the committee for revision of the specifications to be resubmitted to the convention at a later session.

The following papers were read and discussed:

“Progress in Manufacture and Use of Cement Building Blocks,” J. W. Pierson.

“Proportioning and Mixing Cement Mortars and Concretes,” Leonard C. Wason.

“Use of Concrete in Reclamation Service Work,” E. T. Perkins.

“Waterproofing Concrete Structures,” James L. Davis.

The Convention then adjourned until 10.00 o'clock Friday, January 24, 1908.

FRIDAY, JANUARY 24, 1908, 9.00 A. M.

President Richard L. Humphrey in the chair.

This session was devoted to a topical discussion of steam curing, concrete roads and waterproofing concrete.

SIXTH SESSION.—FRIDAY, JANUARY 24, 1908, 10.00 A. M.

President Richard L. Humphrey in the chair.

The following papers were read and discussed:

“The Unit vs. the Loose Bar System of Reinforced Concrete Construction,” Emile G. Perrot.

“Metal Forms in Reinforced Concrete Construction,” W. L. Caldwell.

“Universal Forms in Concrete Construction,” J. F. Swinnerson (by title).

The report of the special committee on ways and means for securing funds through contributing members, appointed by the President at the third session, was presented by Edward D. Boyer. The report stated that the committee had elected Mr. O. U. Miracle

Treasurer to receive funds raised through the \$25.00 per annum dues of contributing members.

The Convention then adjourned until 8.00 P. M.

SEVENTH SESSION.—FRIDAY, JANUARY 24, 1908, 8:00 P. M.

President Richard L. Humphrey in the chair.

The following papers and reports were read and discussed:

"Reinforced Concrete from the Contractor's Point of View," H. H. Fox.

Report of Committee on Fireproofing and Insurance, William L. Bailey, Chairman, was read, accepted as a report of progress and placed on file.

Report of Committee on Laws and Ordinances, H. C. Henley, Chairman, was read and placed on file.

"Progress in the Investigation of Cement Mortars and Concretes in the Structural Materials Testing Laboratories of the United States Geological Survey, St. Louis, Missouri," Richard L. Humphrey.

The meeting was then declared a business session.

Report of Special Committee appointed by the President at the third session, on ways and means of securing funds through contributing members, presented by Edward D. Boyer at the sixth session, was discussed, and on motion accepted, and the committee continued.

Report of Committee on Streets, Sidewalks and Floors, George L. Stanley, Chairman, which was referred back for the incorporation of amendments made by the convention, was presented and adopted.

Report of the Committee on Testing Cement and Cement Products, E. S. Larned, Chairman, which report was referred back to the committee for the incorporation of changes made by the convention, was presented and adopted.

It was ordered that the Specifications for Hollow Cement Blocks and Sidewalks, as amended, be referred to the

Executive Committee with instructions to have them printed in separate form for distribution.

Report of the Committee on Resolutions, Robert W. Lesley, Chairman, was then presented by F. K. Irvine, and on motion, the following resolutions were unanimously adopted by the convention:

1. *Resolved*, That the thanks of this Association be extended to his Honor, J. N. Adam, Mayor, the Board of Aldermen, the Commissioner of Public Works, the Superintendent of Buildings and other officials of the city of Buffalo for the official recognition and hearty welcome to the officers and members of the National Association of Cement Users upon the occasion of the Fourth Annual Convention.
2. *Resolved*, That this Association hereby expresses its appreciation and thanks to the Automobile Club, the University Club, and the chairman and members of the Local Committee of the City of Buffalo, for the courtesies extended and the co-operation and assistance rendered to the officers and members of the National Association of Cement Users on the occasion of the Fourth Annual Convention.
3. *Resolved*, That the thanks of the Association be hereby extended to the Exhibitors, the local press of the city of Buffalo and the technical press of the United States for their liberal notices and support which contributed in no small measure to the success of the Fourth Convention of the National Association of Cement Users.
4. *WHEREAS*, This Association recognizes the great need of continuing the work of the Structural Materials Testing Laboratories of the United States Geological Survey, St. Louis, Mo., and still further appreciates the great value of the results thus far obtained to the whole country, therefore
Be it resolved, That this Association petition the Congress of the United States to appropriate the sum

of one hundred thousand dollars (\$100,000) for continuing this work during the ensuing fiscal year, and

Be it further resolved, That each member of this Association assume the personal responsibility of writing to the members of Congress in his district with a view of securing their support.

5. *Resolved*, That the thanks of this Association be hereby extended to its officers who have served so faithfully during the past year, and especially does the National Association of Cement Users desire to place itself on record as appreciating the untiring labor and unceasing energies of our President, Richard L. Humphrey, whose personal efforts have contributed more than those of any other person to the great progress that this Association has made, and be it further

Resolved, That it is the sense of this Association that the President should be fully reimbursed for the actual traveling, incidental and other expenses incurred in attending to the work of this Association, and that a sufficient sum of money be appropriated to cover these expenses, providing the funds of this Association are sufficient.

The President was instructed to appoint a Committee on Publicity for the purpose of promoting the interests of the Association, securing additional members and performing such other duties as the President may determine.*

The Convention was then adjourned *sine die*.

* The President appointed the following committee, to be increased from time to time, as deemed desirable:

F. Austin Tones, Chairman; O. U. Miracle, J. P. H. Perry, L. A. Pratt, Maximilian Toch.