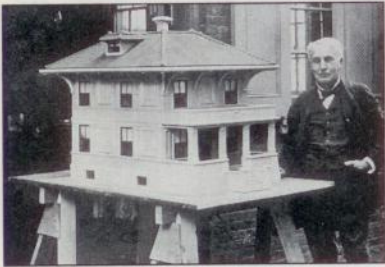


Concrete Beginnings— History of Material Set in Ohio*



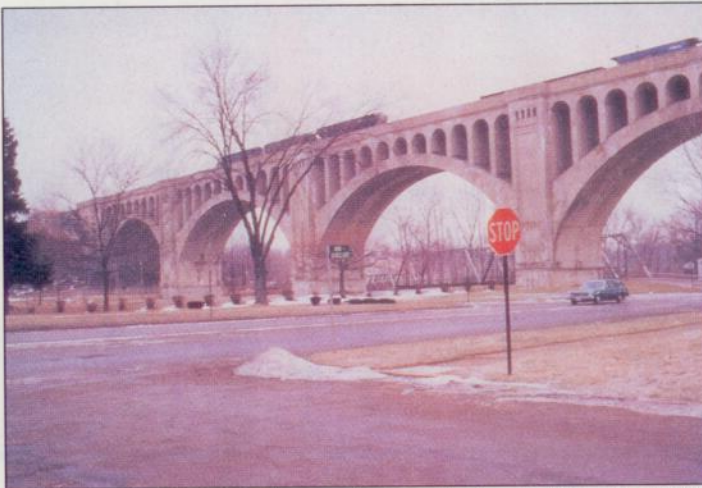
Thomas Edison with his model of a concrete house. Forms were designed so that the entire house could be constructed of concrete. Seventeen of these houses were built in Newark, Ohio.



Statue of George Bartholomew. He spent two years trying to convince the community to try this new material called concrete. The city complied only after Bartholomew donated the paving material and posted a \$5,000 bond guaranteeing that the pavement would last for five years. He was successful; the pavement has been in use for more than 100 years.



The first high-rise reinforced concrete skyscraper in the United States was built in Cincinnati, Ohio. This 16-story building was constructed in 1902 by Fero-Concrete Construction Company. It was built at a time when no buildings with more than 6 stories had been constructed of reinforced concrete. The building is still in use.



This bridge in Sidney, Ohio, was featured in the October 11, 1923 *Engineering News-Record* article. This structure "offered an excellent opportunity to experiment with the method proposed by Prof. Duff Abrams of the Structural Materials Research Laboratories, Lewis Institute, for the design of concrete mix." The bridge and new methods of specifying materials are still in use.



The first concrete house in Ohio, is undergoing restoration. Built in Spring Valley, Ohio in 1853 by the owner, Mr. George Barrett, an expert in designing and constructing innovative mills for woolen manufacturing.



A 1941 ready-mixed truck. The change from job-site batching to central mixing of concrete and delivery by ready-mixed concrete trucks provides a consistent, high-quality concrete.

**Editor's Note:* The title of this presentation that was given by Warren P. Baas and Luke M. Snell was "Presenting 'Concrete' History to Children Via the Video." It was featured in "Innovative Teaching Techniques" at the Wednesday morning session of the 1995 ACI Spring Convention in Salt Lake City, Utah. For further information about this presentation, please refer to pg 90 in the May 1995 issue of *CI*.