



Concrete on the Farm, 1900-1930

Monday, November 16, 2020

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Meeting ID: 574 884 0320

Presenter(s):

Luke M. Snell, P.E. , FACI
Concrete Consultant

ABSTRACT (250-word max):

This session will introduce how the farmer learned how to produce quality concrete on the farm. They didn't have YouTube, so they had to use self-help publications by cement companies/associations to learn the process. These farmers knew how to work hard and had a "can do" attitude. Thus, they created structures that are still in use today.

These techniques are as useful today for those that must do concrete construction with limited equipment.

Learning Objectives:

- (1) Describe simple techniques used to evaluate sand;
- (2) Identify how maximum sized aggregate was determined and when cyclopean concrete could be used;
- (3) Discuss how the farmer tailored the concrete mixture design to the use of the structure;
- (4) Summarize how the farmer consolidated the concrete and why many of these structures still survive.

This presentation is based on 5 articles I wrote for WOC 360

BIOGRAPHY (150-word max): Luke Snell, PE, FACI is an Emeritus Professor and Former Chair of the Construction Department at Southern Illinois University - Edwardsville. He has helped numerous ACI Chapters around the world to develop concrete certification programs and performed many outreach programs aimed at helping children in developing countries. have a better understanding of engineering.

He currently is a concrete consultant and as a hobby has been researching the history of concrete.

Department of Civil and Environmental Engineering

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College of Engineering
University of Missouri



STRUCTURAL ENGINEERING SEMINAR

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