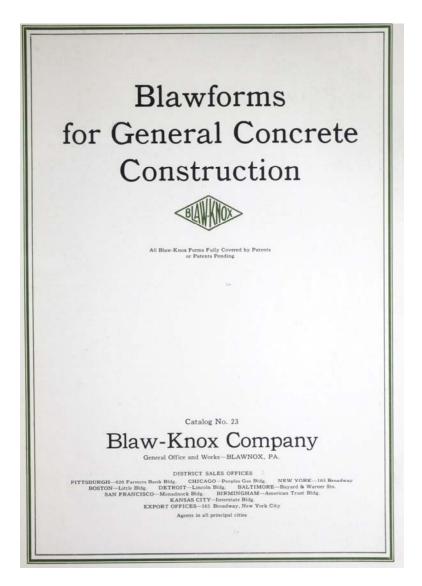


Historic Bridge Foundation Facebook Archives

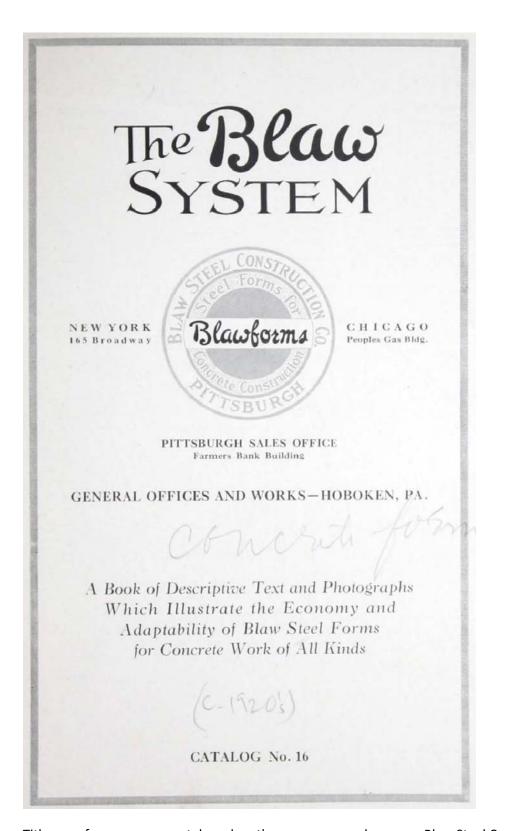
Did You Know... That a company named the Blaw-Knox Company played a critical role in the construction of many large and well-known concrete arch bridges?

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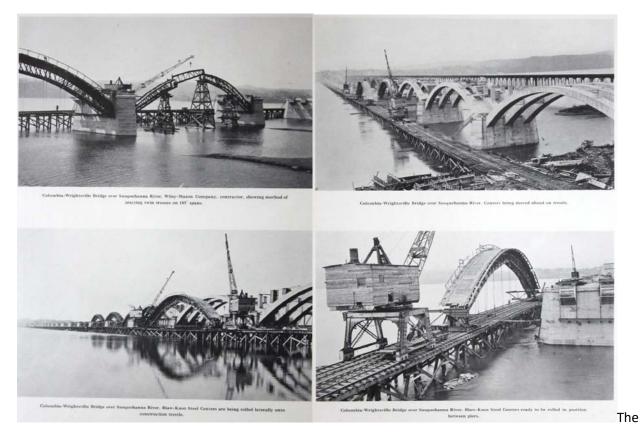
Typically the review of a bridge's history includes considering who designed the bridge and who constructed the bridge. However, there were often many engineers and subcontractors whose involvement might go unnoticed. Based in Pennsylvania, the Blaw Steel Construction Company, which later became the Blaw-Knox Company, is a good example of an often-overlooked company. This company provided centering (falsework) for concrete arch bridges to enable their construction. Their most common type of centering was ribbed arches composed of a riveted steel truss design. The company called their centering "Blawforms." Centering from the Blaw-Knox Company enabled the construction of a number of noteworthy historic concrete arch bridges which remain standing today. Photos from historical catalogs from the company show the impressive engineering and design of the Blawform centering.



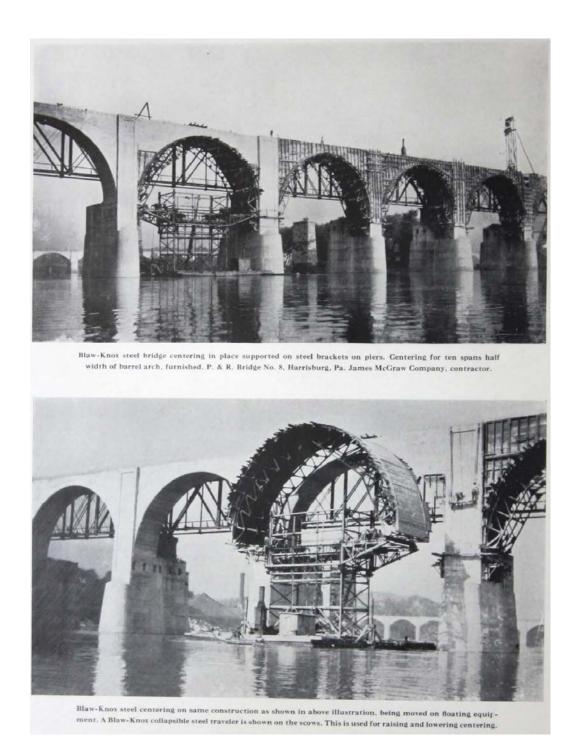
Title page for a company catalog when the company was known as Blaw-Knox Company



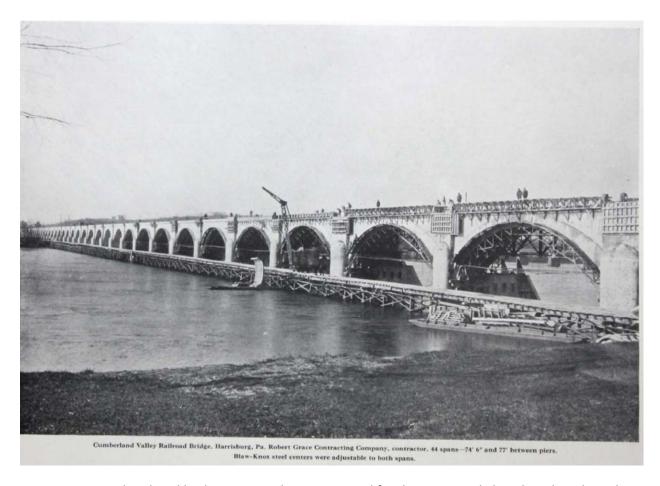
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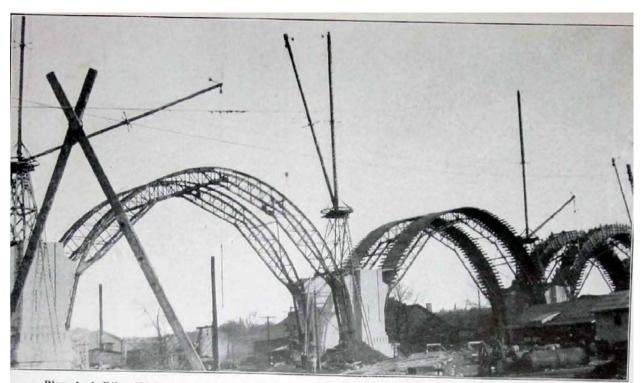
Columbia Wrightsville Bridge over Susquehanna River in Pennsylvania was the longest multi-span concrete arch bridge in the world when completed in 1929. The Blawform centering used to construct the bridge were reused and moved from span to span during construction by rolling them along a temporary construction rail trestle that ran parallel to the bridge.



Two concrete arch railroad bridges in Harrisburg, PA, noted for their extremely long length and number of spans, were constructed with the use of Blawforms. Shown here is the Philadelphia and Reading Railroad Bridge. The centering was reused during construction, and moved around by floating it on barges which had a collapsible support system (also a Blaw-Knox product), which enabled the centering to be lowered and raised into position.



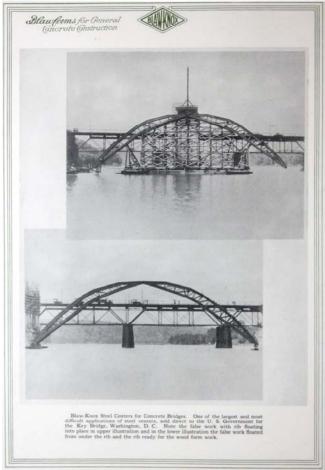
Two concrete arch railroad bridges in Harrisburg, PA, noted for their extremely long length and number of spans, were constructed with the use of Blawforms. Shown here is the Cumberland Valley Railroad Bridge.



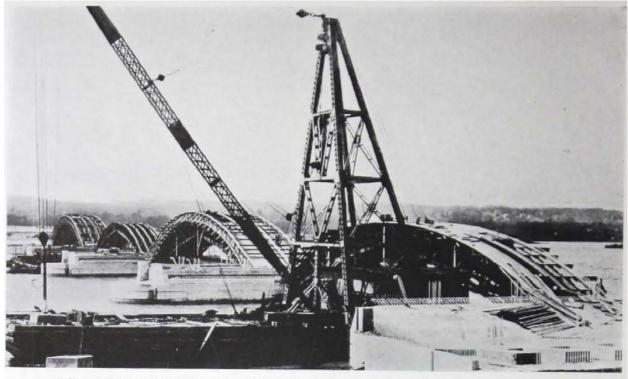
Blaw Arch Ribs, 120-foot Span, Eighth Street Viaduct, Allentown, Pa. MacArthur Brothers and Cullen-Freistedt Company, Contractors; Showing Method of Erecting Arch Ribs; also Method of Placing Lagging and Wood Forms for the Concrete Arch

The 8th Street Viaduct in Allentown, Pennsylvania is a large high-level historic concrete arch bridge.





Blawforms were used for two major bridges in Washington DC, the Arlington Memorial Bridge and the Francis Scott Key Bridge. Shown here is the Francis Scott Key Bridge.



Arlington Memorial Bridge, Washington, D. C. Hunkin-Conkey Construction Company, contractor. Eight spans, barrel type arches. Minimum spans 166', Maximum spans 180', width of arch 94'. Blaw-Knox steel centering furnished for four spans one-fourth width of arch.

Blawforms were used for two major bridges in Washington DC, the Arlington Memorial Bridge and the Francis Scott Key Bridge. Shown here is the Arlington Memorial Bridge.



The Wil-Cox Bridge over Yadkin River in North Carolina is a historic concrete arch bridge that has been bypassed and preserved for pedestrian use, and was constructed using Blawforms.