Illustrated Catalogue 1889

Lane Bridge & Iron Works

57th Street and Stewart Avenue.

Office, 177 La Salle Street,
HAMPSHIRE BLOCK.

P. E. LANE, PROPRIETOR.

Chicago, Ill.

Rand, McNally & Co.
Printers & Engravers.
Chicago.

P. E. LANE,

PROPRIETOR

Lane Bridge & Iron Works

57TH STREET AND PITTSBURGH, FT. WAYNE & CHICAGO RY.

Designs and Manufactures Bridges

Office, 177 La Salle Street,

Chicago.

Any Information or Suggestion as to suitable plan or kind of Bridge for any particular location will be furnished free. Also Plans and Estimates.

ROOF TRUSSES,

AND

Iron and Steel Work for Buildings,

Swing Spans, Viaducts, Wrought-iron Trestles, Tubular Wrought-iron Piers, and all kinds of Iron Substructures for Highway Bridges,

ALSO

STONE ABUTMENTS AND PIERS.

Notice, by Mail or Telegraph, of Contracts to be let, will receive Prompt Attention.

RAND, MCNALLY & CO., PRINTERS AND ENGRAVERS, CHICAGO.

LANE BRIDGE & IRON WORKS, CHICAGO.

1889.

DURING the past several years I have built bridges for the towns, cities, counties, and others, as designated and illustrated in the following pages.

In every case, as far as I can learn, these bridges have been entirely satisfactory to the proper officers with whom contracts were made, and to the communities in which they were erected.

I would respectfully solicit inspection of my work, and comparison with that of other firms or companies.

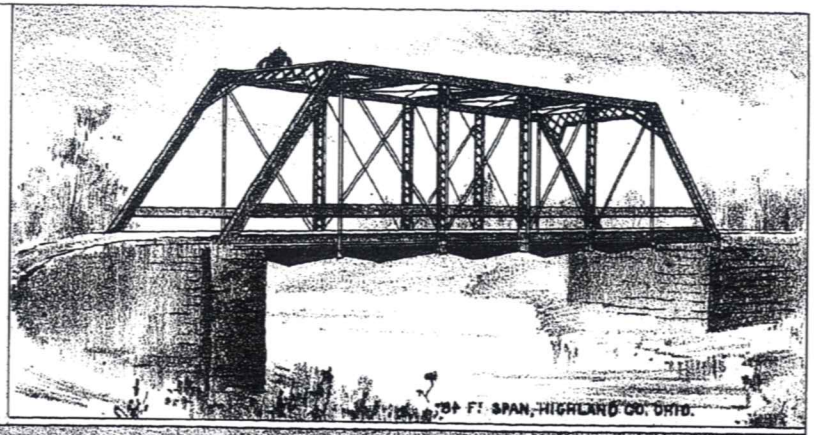
I have had an extensive experience in constructing bridges, and given especial attention to bridges for highways. With competent and experienced engineers engaged with me in designing bridges, and first-class facilities for the manufacture of the iron or steel work, I am prepared to furnish and erect bridges of best modern construction, of guaranteed strength, promptly, and at reasonable prices.

CORRESPONDENCE SOLICITED.

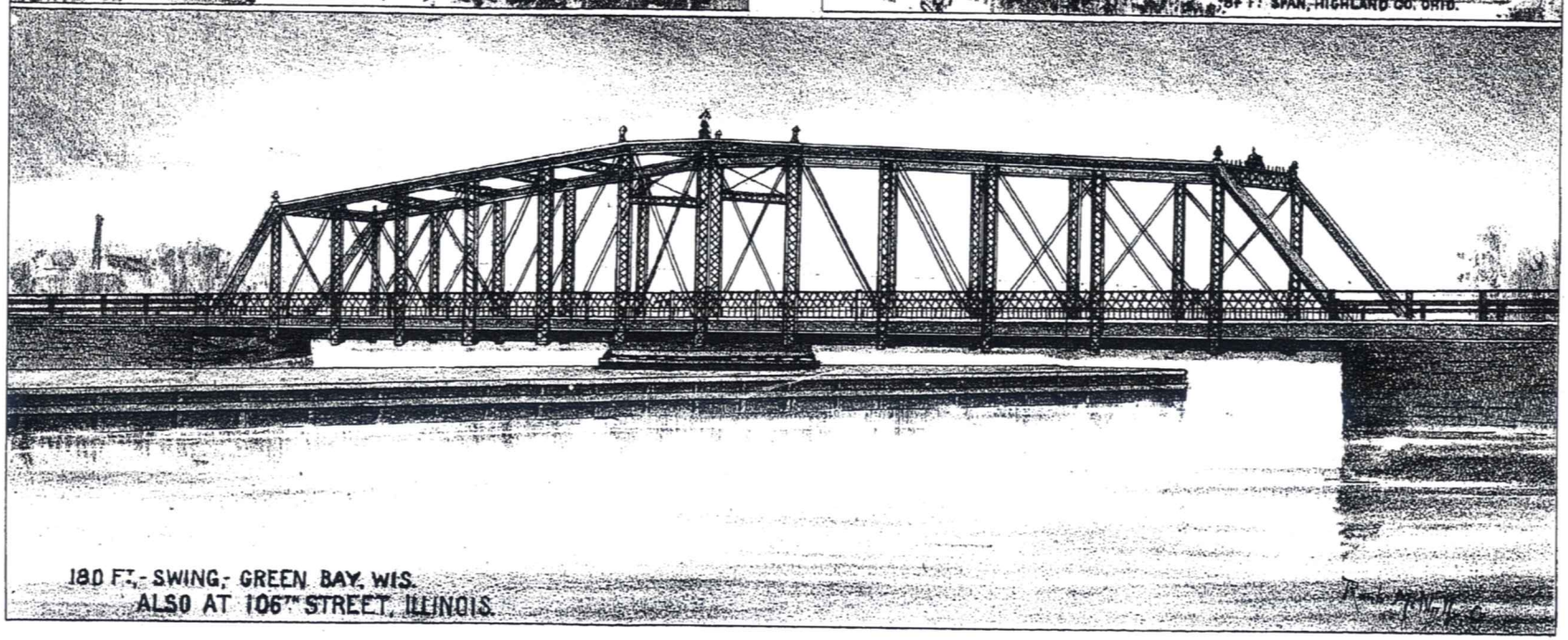
P. E. LANE.

LANE BRIDGE & IRON WORKS, CHICAGO.

...GE AT CANTON, Ill.



...FT SPAN, HIGHLAND CO. OHIO.



180 FT. SWING, GREEN BAY, WIS.
ALSO AT 106TH STREET, ILLINOIS.

4

Foundations for Bridges.

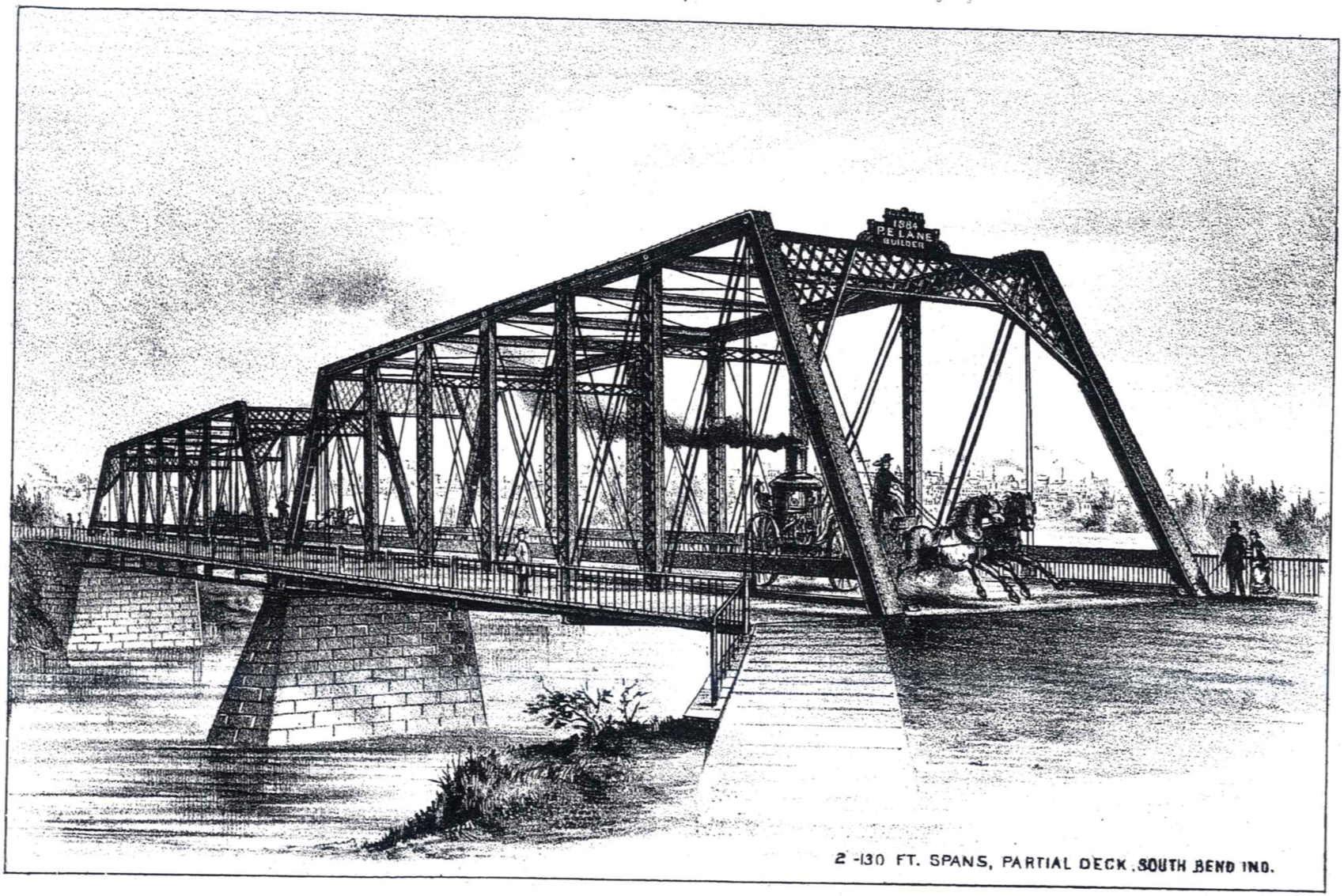
Tubular wrought-iron or steel piers are being more extensively used each year for the substructure of bridges. None that I have built, have failed in any way. Where it is not required to hold embankment, they are the best foundations to put in for highway bridges.

When it is necessary to protect end of embankment, or, in other words, make regular abutment, stone is best.

Where stone is too expensive, iron or steel frame work with stone flagging is the best substitute for stone abutment; in fact, makes a much more desirable abutment than rubble or uncut stone abutments.

Iron posts on stone or wood sills, placed below low-water line, are now extensively used, and for prairie streams have many advantages. If general description of the stream and banks is sent me, I will send to commissioners, or other officers having charge of the construction of bridges, information as to what kind of foundations we consider best for the place; also, comparative cost of stone, stone and iron, or iron substructure.

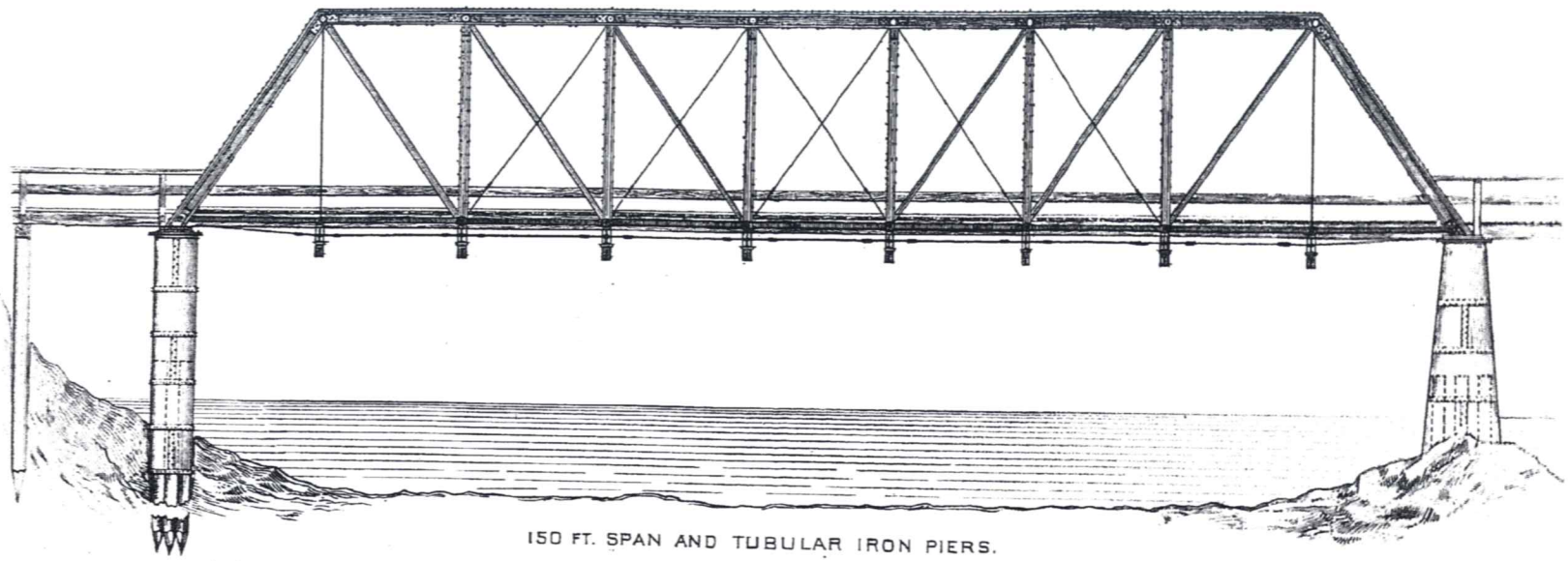
LANE BRIDGE & IRON WORKS, CHICAGO.



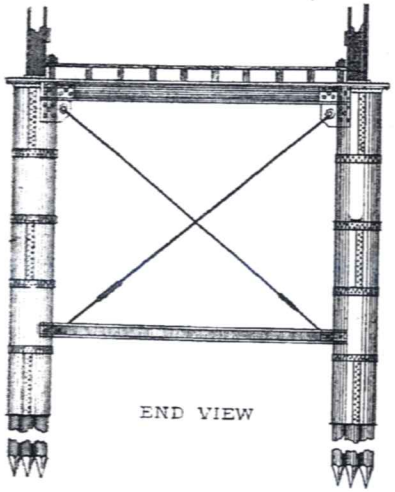
2 -130 FT. SPANS, PARTIAL DECK, SOUTH BEND IND.

6

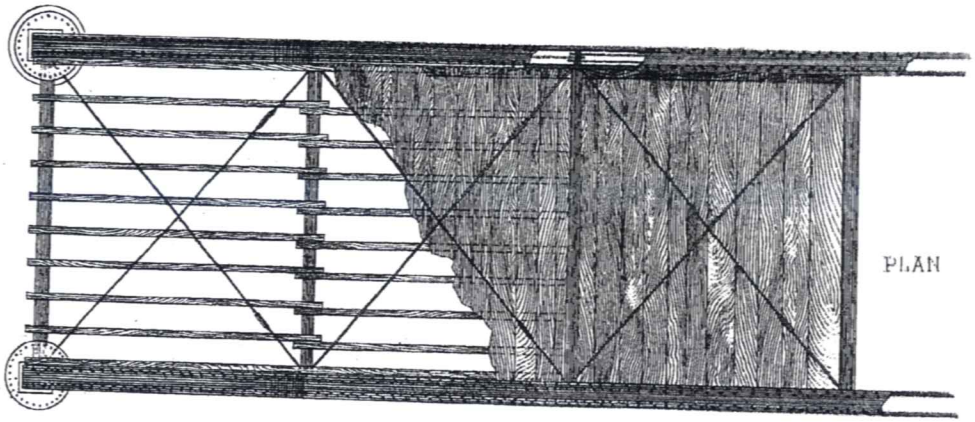
LANE BRIDGE & IRON WORKS, CHICAGO.



150 FT. SPAN AND TUBULAR IRON PIERS.



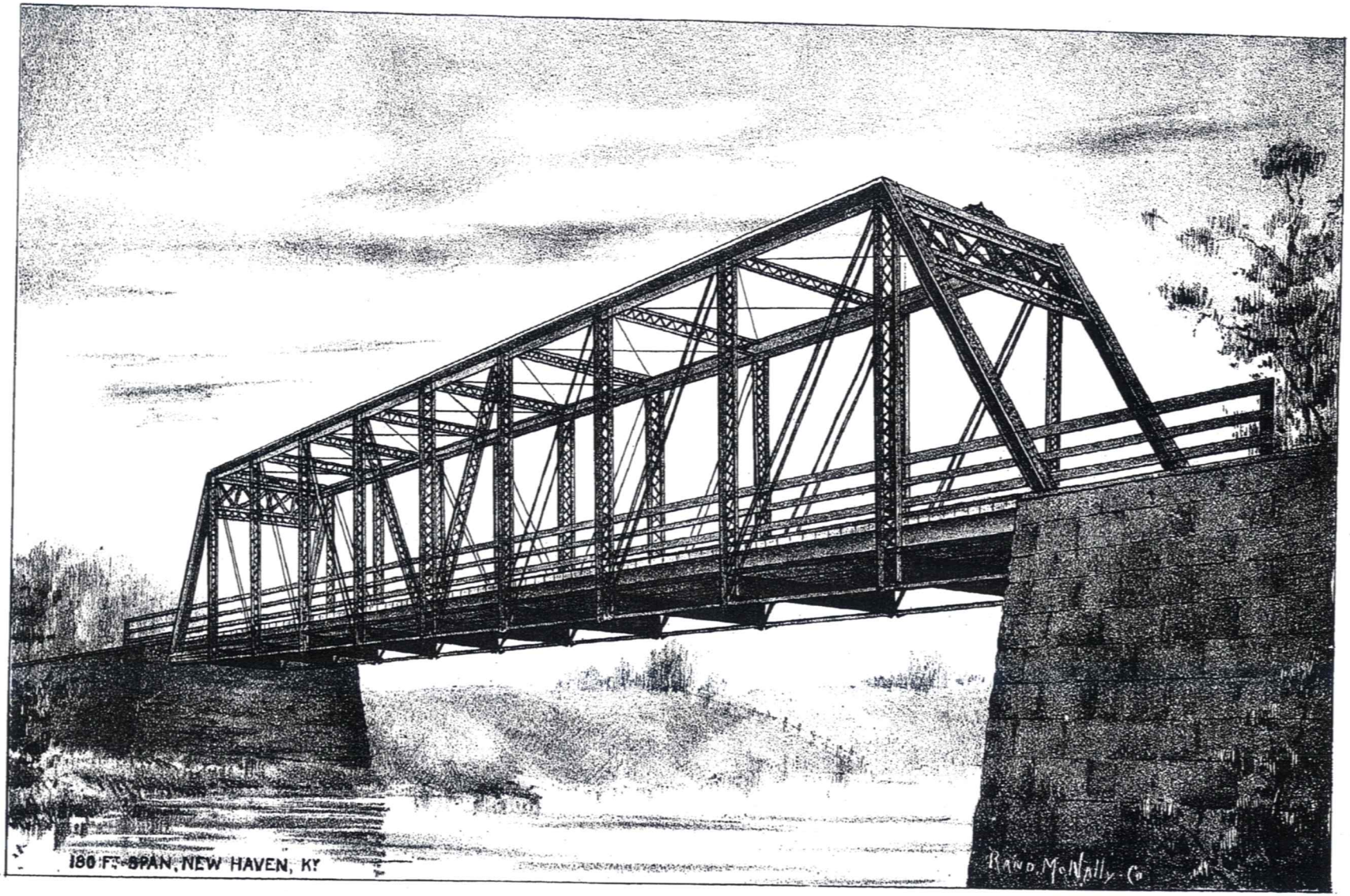
END VIEW



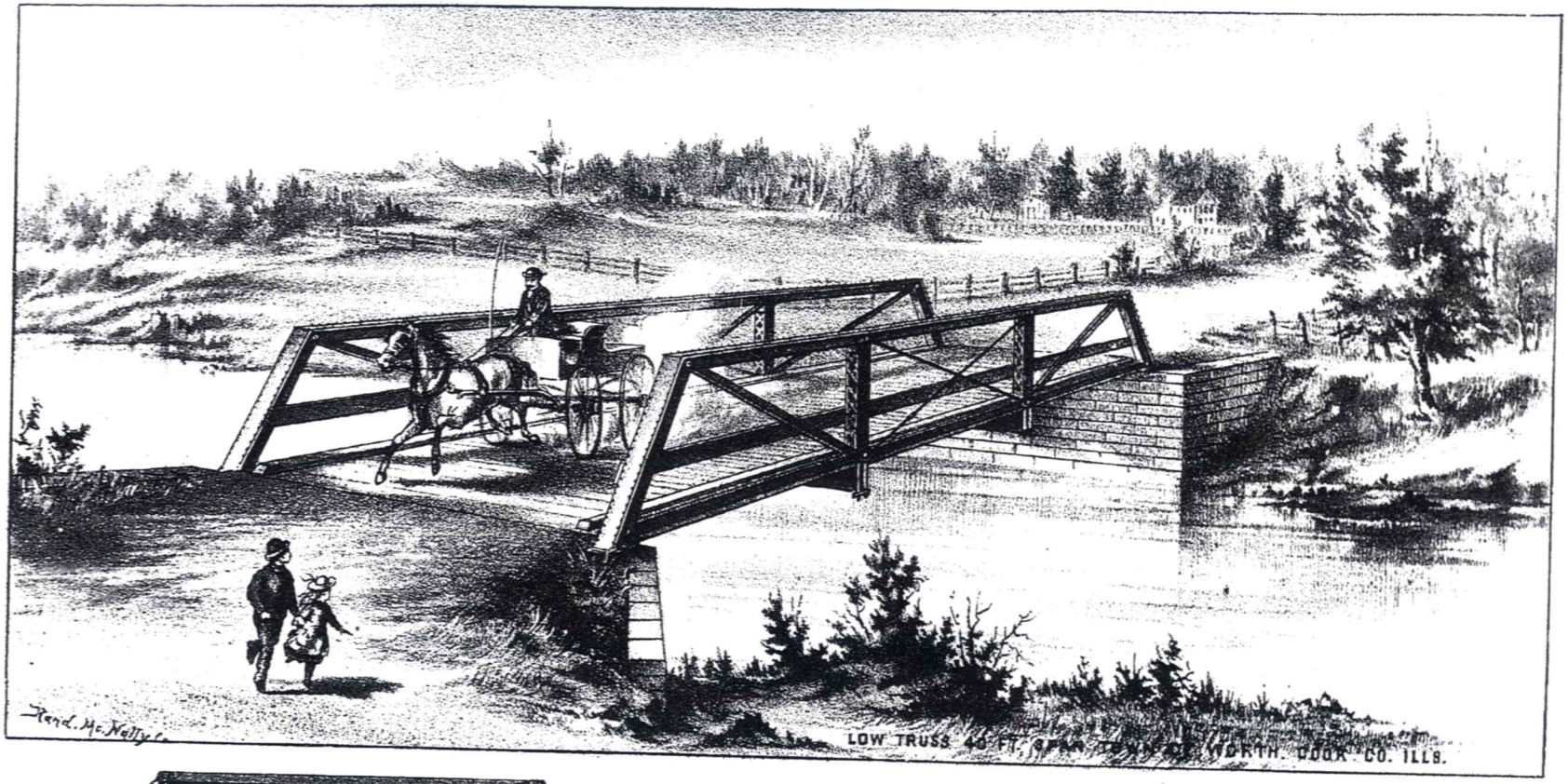
PLAN

RAND, MCNALLY & CO., PRINTERS AND ENGRAVERS, CHICAGO.

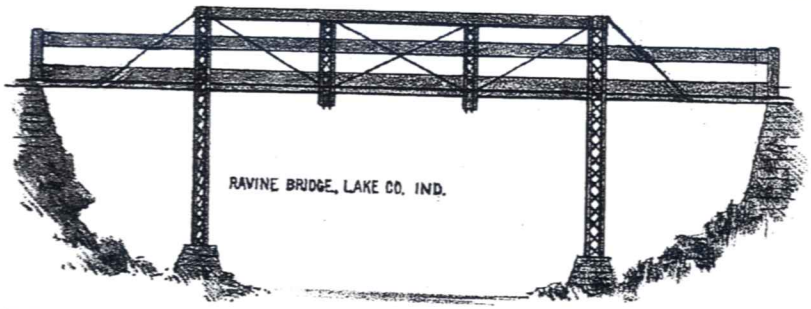
LANE BRIDGE & IRON WORKS, CHICAGO.



LANE BRIDGE & IRON WORKS, CHICAGO.



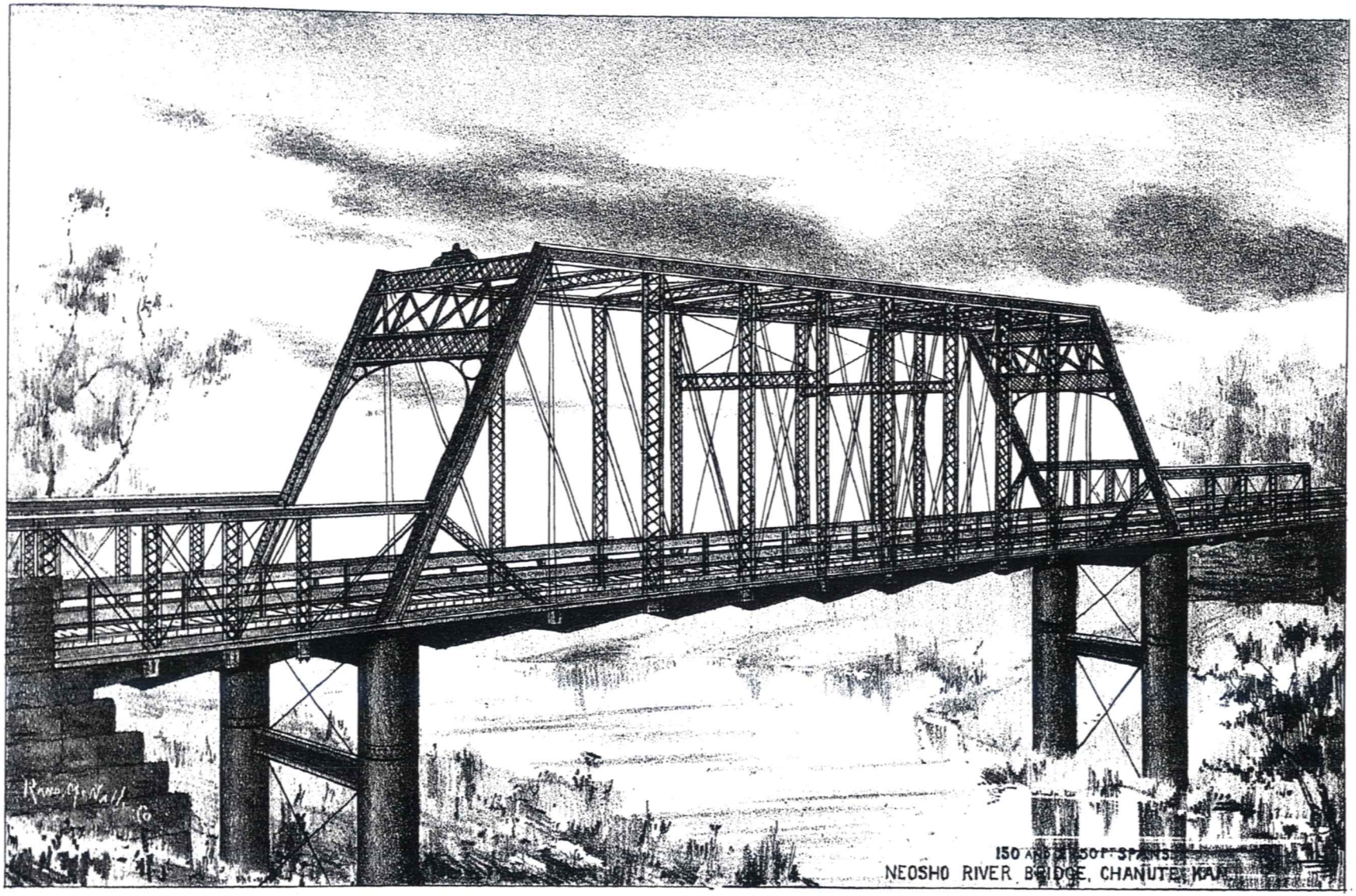
LOW TRUSS 40 FT. SPAN ... NORTH COOK CO. ILLS.



RAVINE BRIDGE, LAKE CO. IND.

CANTILEVER BRIDGE, NORTH TOPEKA, KAN.

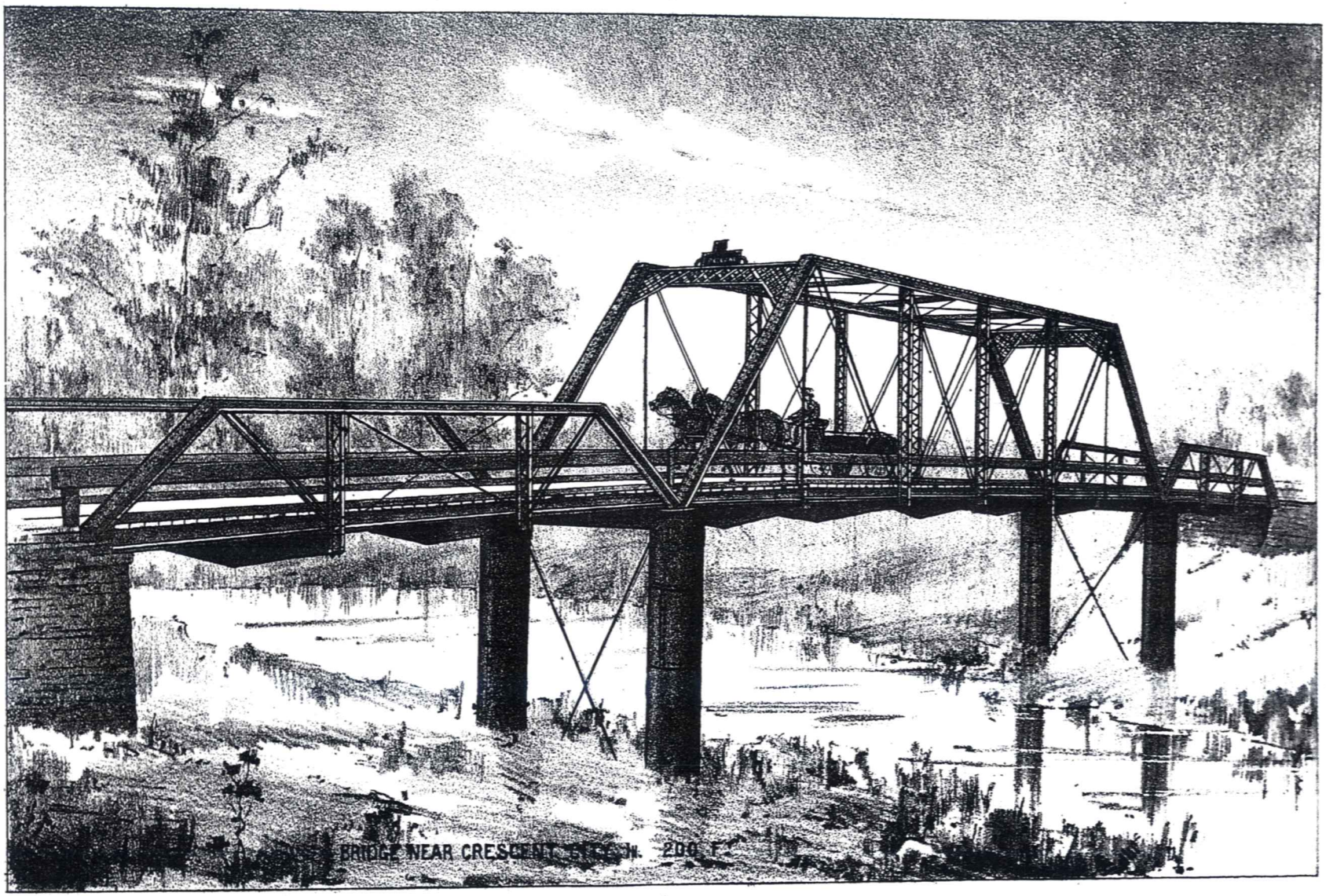
LANE BRIDGE & IRON WORKS, CHICAGO.



LANE BRIDGE & IRON WORKS, CHICAGO.

BRIDGE AT RIVERSIDE, ILLINOIS

LANE BRIDGE & IRON WORKS, CHICAGO.



LANE BRIDGE & IRON WORKS, CHICAGO.

PARTIAL LIST OF HIGHWAY BRIDGES I HAVE BUILT.

State.	County.	Kind.	Span. No. Ft.	Road. Ft.	Walk. No. Ft.	Foundations.
..	Fulton	Iron	1.. 16	12	....	Iron posts.
..	"	"	1.. 20	12	....	Iron posts.
..	"	"	1.. 16	12	....	Iron posts.
..	"	"	1.. 20	12	....	Iron posts.
..	"	"	1.. 55	24	....	Iron and stone.
..	"	"	1.. 38	14	....	Iron and stone.
..	"	"	1.. 45	16	....	Iron posts.
..	"	"	1.. 60	12	....	Iron posts.
..	"	"	1.. 24	16	....	Iron and stone.
..	"	"	2.. 20	14	....	Iron and stone.
..	"	"	1.. 35	16	....	Iron posts.
..	"	"	1.. 38	16	....	Iron posts.
..	"	"	1.. 50	14	....	Stone.
..	"	"	1.. 42	14	....	Stone.
..	"	"	1.. 10	16	....	Iron and stone.
..	Iroquois	"	1..140	16	....	Stone.
..	"	"	2.. 50	14	....	Iron piers.
..	"	"	1..100	14	....	Iron piers.
..	"	"	1.. 24	14	....	Iron piers.
..	"	"	1.. 29	14	....	Iron posts.
..	"	"	1.. 12	14	....	Iron posts.
..	"	"	1..120	14	....	Iron piers.
..	"	"	1.. 12	14	....	Iron posts.
..	"	"	1.. 24	14	....	Iron posts.
..	"	"	1.. 20	14	....	Iron posts.
..	"	"	1..130	14	....	Iron posts.
..	"	"	1.. 90	14	....	Iron posts.
..	"	"	1.. 85	16	....	Stone.
..	"	Comb.	2.. 50	12	....	Stone.
..	"	Iron	1.. 38	16	....	Stone.
..	"	"	1..105	16	....	Iron piers.
..	"	"	1.. 30	14	....	Iron posts.
..	Douglass	"	1.. 70	14	....	Iron piers.
..	"	"	1.. 80	14	....	Iron piers.
..	"	"	1.. 90	14	....	Iron piers.
..	Marion	"	1.. 60	12	....	Iron posts.
..	Lake	"	4.. 20	17	1..6	Viaduct, iron.
..	Lake	"	3.. 10	17	1..5	Viaduct, iron.
..	McHenry	"	4.. 70	14	....	Wood piling.
..	"	"	1.. 70	14	....	Wood piling.
..	"	"	1.. 50	16	....	Iron piers.
..	Jo Daviess	"	1.. 24	12	....	Stone.
..	Stephenson	"	2.. 40	14	....	Stone.
..	"	"	2.. 30	14	....	Stone.
..	"	"	1.. 40	12	....	Stone.
..	"	"	1.. 40	12	....	Stone.
..	"	"	1.. 33	12	....	Stone.
..	"	"	1.. 45	14	....	Stone.
..	"	"	1.. 65	12	....	Stone.
..	Ogle	Comb.	1.. 50	14	....	Iron tube, pile abutm't.

State.	County.	Kind.	Span. No. Ft.	Road. Ft.	Walk. No. Ft.	Foundations.
Ill	Ogle	Comb.	1.. 75	14	....	Iron tube, pile abutm't.
"	"	Iron	1..180	14	....	Stone.
"	De Kalb	"	1..100	16	....	Iron piers.
"	"	"	1.. 60	14	....	Iron tubes.
"	"	"	1.. 50	14	....	Stone.
"	"	"	1.. 60	14	....	Stone.
"	"	"	1.. 50	14	....	Iron tubes.
"	Adams	"	1.. 30	14	....	Iron posts.
"	"	"	1.. 30	14	....	Iron posts.
"	"	"	1.. 40	14	....	Iron posts.
"	"	"	1.. 60	14	....	Iron posts.
"	La Salle	"	1.. 60	14	....	Cantilever on iron posts.
"	"	"	1.. 40	14	....	Stone.
"	"	"	1..120	18	2..4	Swing.
"	"	"	1..116	18	2..4	Swing.
"	"	"	1.. 72	16	1..4	Swing.
"	"	"	1.. 50	14	....	Stone.
"	"	"	1.. 45	16	....	Stone.
"	"	"	1.. 42	14	....	Stone.
"	Knox	"	1.. 18	14	....	Iron posts.
"	Knox	"	1.. 18	14	....	Iron posts.
"	McDonough	"	1..100	16	....	Iron piers.
"	McDonough	"	1..100	16	..	Iron tubes.
"	Hancock	"	1.. 32	12	....	Stone.
"	Hancock	"	1.. 44	12	....	Stone.
"	Logan	Comb.	1.. 80	12	....	Wood.
"	Logan	"	1.. 60	12	....	Wood.
"	Livingston	Iron	1..110	18	....	Stone.
"	"	Comb.	2.. 72	14	....	Iron piers.
"	"	"	1.. 60	12	....	Stone.
"	"	Iron	1.. 42	16	....	Stone.
"	"	"	1.. 40	14	....	Iron posts.
"	"	Comb.	1..120	16	....	Wood.
"	"	"	1.. 80	16	....	Wood.
"	Montgom'ry	Iron	1..100	14	....	Iron tubes.
"	"	"	2..100	14	....	Iron tubes.
"	"	"	1.. 48	14	....	Stone.
"	"	"	1..100	14	....	Iron columns.
"	"	"	1..100	14	....	Iron columns.
"	Champaign	"	2.. 30	14	....	Iron posts.
"	"	"	1..100	16	....	Iron piers 120 feet app.
"	"	"	1..120	16	....	Iron piers.
"	"	"	2.. 30	14	....	Iron posts.
"	"	"	2..100	14	....	Iron posts.
"	"	"	2.. 35	14	....	Iron posts.
"	"	"	1.. 60	12	....	Iron piers.
"	Sangamon	"	1.. 50	14	....	Stone.
"	"	"	1.. 86	14	....	Stone.
"	"	"	1.. 50	14	....	Stone.
"	"	"	1.. 60	14	....	Stone.

State.	County.	Kind.	Span. No. Ft.	Road. Ft.	Walk. No. Ft.	Foundations.
Ill.	Sangamon	Iron	2.. 24	14	....	Iron posts.
"	"	"	1.. 38	14	....	Stone.
"	"	"	2.. 50	14	....	Stone.
"	"	"	1.. 60	14	....	Stone.
"	Macon	"	1.. 52	14	....	Iron piers.
"	Christian	"	1.. 50	14	....	Iron piers.
"	Edgar	"	1.. 40	12	....	Iron posts.
"	Clark	"	1..100	16	....	Stone.
"	Clinton	"	1.. 65	14	....	Iron posts.
"	Clinton	"	1.. 60	12	....	Iron posts.
"	Effingham	"	1.. 60	12	....	Iron posts.
"	Effingham	Comb.	1.. 40	14	....	Iron posts.
"	Richland	Iron	1.. 68	14	....	Iron tubes.
"	Alexander	"	1.. 55	10	....	Iron posts.
"	Henry	"	1.. 40	12	....	Iron posts.
"	"	"	1.. 32	12	....	Iron posts.
"	"	"	1.. 42	14	....	Iron posts.
"	Mercer	"	1.. 65	12	....	Iron piers.
"	"	"	1.. 72	12	....	Iron piers.
"	"	"	1.. 50	12	....	Iron piers.
"	"	"	1.. 30	14	....	Stone.
"	"	"	1..116	16	....	Iron piers.
"	"	"	1..150	14	....	Iron piers.
"	"	"	1.. 52	14	....	Iron posts.
"	"	"	1.. 60	12	....	Stone.
"	Woodford	"	1.. 16	14	....	Stone.
"	"	"	1.. 16	14	....	Stone.
"	"	"	1.. 80	14	....	Stone.
"	"	"	1.. 30	12	....	Stone.
"	"	"	1.. 82	14	....	Stone.
"	"	"	1.. 82	14	....	Stone.
"	"	"	1..125	16	....	Stone.
"	"	"	1..100	14	....	Stone.
"	"	"	1.. 72	12	....	Stone.
"	"	"	1.. 60	14	....	Iron posts.
"	"	"	1.. 42	16	....	Stone.
"	Clay	"	1..100	16	....	Iron tubes.
"	Cook	"	1.. 33	14	....	Iron posts.
"	"	"	1.. 34	16	....	Iron tubes.
"	"	"	1.. 80	16	1..5	Stone.
"	"	"	5.. 50	18	....	Stone.
"	"	Comb.	5.. 40	14	....	Stone.
"	"	Iron.	2.. 80	14	....	Stone.
"	"	"	1.. 30	14	....	Iron abutment.
"	"	"	1.. 65	16	....	Iron posts.
"	"	"	1.. 45	14	....	Stone.
"	"	"	1.. 55	14	....	Stone.
"	"	"	2.. 38	16	....	Iron tubes.
"	"	"	1.. 50	16	....	Iron tubes.
"	"	Comb.	2.. 72	17	....	Pile abutment

PARTIAL LIST OF HIGHWAY BRIDGES—Continued.

State.	County.	Kind.	Span. No. Ft.	Road. Ft.	Walk. No. Ft.	Foundations.
Ill.	Cook	Iron	1.. 24	12	...	Iron posts.
"	"	"	2..110	16	....	
"	"	"	1.. 34	16	....	Iron piers.
"	"	"	1.. 82	16	....	Iron tubes.
"	"	"	1.. 50	16	....	Iron piers.
"	"	Comb.	2.. 72	17	....	Pile abutment.
"	"	"	1.. 88	....	....	Foot bridge.
"	"	Iron	1..180	18	2..5	Stone.
"	"	"	1.. 24	12	....	Iron posts.
"	Kane	Comb.	4.. 66	....	....	Foot bridge.
"	Du Page	Iron	1..1 0	16	1..5	Stone.
"	"	"	1.. 90	16	....	Stone.
"	"	"	1.. 50	12	....	Stone.
"	Bureau	"	1.. 70	16	....	Iron posts.
"	Kendall	"	1.. 39	14	....	Stone.
"	"	"	1.. 50	16	....	Stone.
"	"	"	1 . 42	16	....	Stone.
"	"	"	1.. 47	12	....	Stone.
"	"	"	1.. 39	14	....	Stone.
"	"	"	1.. 45	16	....	Stone.
"	Rock Island	"	1.. 50	14	....	Stone.
"	Will	"	1..130	16	....	Stone.
"	"	"	1.. 30	12	...	Stone.
"	"	"	1.. 30	14	...	Stone.
"	"	"	1..100	16	....	Stone.
"	"	"	1.. 45	16	...	Stone.
"	"	"	1.. 65	16	....	Stone.
"	"	"	1.. 38	16	..	Stone.
"	Stark	"	1.. 30	14	...	Stone.
"	"	"	1.. 40	16	....	Stone.
"	Shelby	"	1.. 40	14	....	Iron posts.
"	"	"	1.. 65	14	....	Iron tubes.
"	"	"	1..100	17	....	Stone and iron.
"	"	"	1.. 90	16	....	Iron piers.
"	"	"	1.. 40	14	....	Iron posts.
"	"	"	1.. 60	14	....	Tubes.
"	"	"	1..150	14	....	Iron piers.
"	"	"	1..100	14	....	Iron piers.
"	"	"	1.. 45	14	....	Stone and iron.
"	"	"	1.. 30	14	....	Stone and iron.
"	"	"	1.. 32	14	....	Stone and iron.
"	"	"	1.. 55	12	....	Iron posts.
"	"	"	1.. 45	14	...	Iron abutment.
"	"	"	1.. 72	12	....	Iron piers.
"	"	"	1.. 50	12	....	Iron posts.
"	"	"	1.. 28	12	....	Stone and iron.
"	"	"	1.. 31	12	....	Stone and iron.
"	"	"	1.. 38	14	....	Iron abutment.
"	"	"	2.. 48	14	....	Iron piers.
"	Vermillion	"	1..112	16	....	Pier and stone abutment

State.	County.	Kind.	Span. No. Ft.	Road. Ft.	Walk. No. Ft.	Foundations.
Ill.	Vermillion	Iron	1..225	18	....	Stone.
"	"	"	1..125	14	....	Stone and iron.
"	"	"	1.. 90	16	2..5	Stone.
"	"	"	1..110	16	...	Iron piers.
"	"	"	1.. 75	16	....	Iron piers.
"	"	"	1..108	14	....	Stone and iron.
"	"	"	2..110	16	....	Stone and iron.
"	"	"	1.. 90	14	....	Stone.
"	"	"	1.. 65	13	...	Stone.
"	"	"	1.. 60	12	..	Stone.
"	"	"	2.. 35	14	....	Stone.
"	"	"	1.. 50	16	....	Stone.
"	"	"	1.. 72	16	....	Stone.
"	"	"	1.. 40	14	....	Stone.
"	"	"	1.. 45	16	....	Iron piers.
"	Pike	"	1..150	14	....	Stone.
"	"	"	1..120	16	...	Stone.
"	"	Comb.	5.. 65	12	...	Wood.
"	"	Iron	1..100	14	....	Stone.
"	"	"	1.. 50	16	....	Stone
Ind.	Porter	"	1.. 30	10	....	Stone.
"	St. Joe.	"	1..150	18	2..6	Stone.
"	St. Joe.	"	1.. 90	18	2..6	Stone.
"	St. Joe.	"	2..130	20	2..6	Stone.
"	Gibson	"	1..150	14	....	Stone.
"	Benton	"	1..120	14	....	Iron piers.
"	Carroll	"	1.. 84	14	....	Iron piers.
"	Hancock	"	1.. 90	14	....	Stone.
"	Lake	Sw. bridge	1..120	18	2..6	Iron piers.
"	"	Iron	1.. 38	14	....	Iron piers.
"	"	"	1.. 48	14	....	Iron piers.
"	"	"	1.. 45	20	1..6	Iron piers, stone backing
"	"	"	1..100	14	....	Cantilever, iron posts.
"	"	"	1.. 72	14	....	Stone.
"	"	"	2.. 60	14	....	Stone.
"	"	"	2.. 50	14	....	Stone.
"	"	"	1.. 60	14	....	Stone.
Ohio	Highland	"	1.. 36	14	....	Stone.
"	"	"	1.. 83	14	....	Stone.
"	"	"	1.. 70	14	....	Stone.
"	"	Comb.	1.. 40	14	....	Stone.
"	"	Iron	1.. 84	16	....	Stone.
"	"	"	1.. 84	14	....	Stone.
"	"	"	1..156	16	....	Stone.
"	"	"	2.. 30	14	....	Stone.
Mich.	Oakland	"	1.. 45	18	....	Stone.
"	Allegan	Comb. Sw.	1..120	16	....	Comb. draw.
"	Midland	Comb. Sw.	1..180	16	....	Iron piers.
"	Kent	Comb. Sw.	1.. 50	14	....	Iron posts.
Wis.	Green Bay, Brown	Sw. Span.	1..180	18	2..4	Stone.

State.	County.	Kind.	Span. No. Ft.	Road. Ft.	Walk. No. Ft.	Foundations.
Wis.	Crawford	Iron	1 100	16	...	Iron piers.
Minn.	Blue Earth	"	1..180	14	....	Stone.
"	"	"	1.. 90	14	....	Stone.
"	"	"	1.. 45	16	....	Stone.
"	"	"	1.. 60	16	....	Stone.
Mo.	Bates	"	1.. 70	14	....	Bents, comb.
Ky.	New Haven, Nelson	"	1..180	18	....	Stone.
Col.	Denver, Arapahoe	"	1..130	12	....	Stone.
Kas.	Wyandotte	"	1.. 50	16	....	Stone.
"	Wyandotte	"	1.. 40	16	...	Stone.
"	Atchison	"	1.. 50	14	....	Stone.
"	Cherokee	"	2..130	16	....	Iron piers.
"	"	"	1..150	14	....	Iron piers & approaches
"	"	"	2..112	16	....	Iron piers.
"	"	"	1.. 50	16	...	Iron piers.
"	Neosho	"	1..160	16	....	Stone abut. & iron piers
"	"	"	2.. 50	16	....	Iron and stone.
"	Frankland	"	1..140	14	....	Stone.
"	Frankland	"	1..100	14	....	Stone.
"	Montgom'ry	"	1.. 95	16	....	Stone.
"	Wilson	Comb.	1..140	13	....	Wood.
"	Wilson	Comb.	1.. 90	13	....	Wood.
"	Woodson	Comb.	1.. 65	16	....	Stone.
"	Coffey	Iron	1.. 60	16	....	Iron piers.
"	"	"	1.. 50	16	....	Iron piers.
"	"	"	1.. 40	16	....	Iron piers.
"	"	"	1.. 73	14	...	Iron piers.
"	"	"	1.. 38	14	....	Iron piers.
"	Elk	Comb.	1..150	14	....	Iron piers.
"	Shawnee	Iron	1.. 30	18	....	Iron posts.
"	"	"	1.. 60	16	....	Stone.
"	"	"	1.. 72	16	....	Iron piers.
"	"	"	1..130	16	2..5	Cantilever & iron posts.
"	"	"	1.. 70	16	...	Iron piers.
"	"	"	1.. 50	16	....	Iron piers.
"	"	"	1.. 55	14	....	Stone.
"	Butler	"	1..150	16	....	Stone.
"	Butler	"	1.. 45	16	....	Stone.
"	Butler	"	1.. 60	14	....	Iron posts.
"	Davis	"	1.. 80	16	....	Stone.
"	Davis	"	1.. 70	16	....	Stone.
"	Davis	"	1.. 50	16	....	Stone.
"	Barton	"	1..120	14	....	Stone.
"	Barton	"	1.. 90	14	....	Stone.
"	Barton	"	1..100	14	....	Stone.
"	Finney	Comb.	5.. 65	14	....	Wood.
"	Finney	Comb.	15. 24	18	....	Wood.
"	Harvey	Comb.	1.. 65	16	....	Stone.
"	Riley	Iron	1.. 60	14	...	Iron posts.
"	Riley	Iron	1.. 40	16	....	Iron posts.

NOTE.—The word IRON, used in a general way in this Catalogue, covers the use of both Steel and Iron. Many of the bridges designated under the head of Iron were built of Steel.

MANUFACTURE AND ERECT

Iron and Steel Roof Trusses, Beams, Girders, Columns, and all kinds of Iron for buildings.

PRICES FURNISHED ON APPLICATION.