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Indiana Bridge Company Architectural Records 1886-ca. 1978, bulk 1889-1922 DADA 020

Title: Indiana Bridge Company Architectural Records

Creator: Indiana Bridge Company

Inclusive Dates: 1886-ca. 1978, bulk 1889-1922

Extent: 125 cu. ft.

Containers: 4 card files, 1 flat storage box

Language of Materials: Materials entirely in English.

Preferred Citation:

Indiana Bridge Company Records, Drawings and Documents Archive, Archives and Special Collections, Ball State University Libraries

Biographical Note:

The Indiana Bridge Company is Muncie's oldest manufacturing firm, established in 1886. The company became the most important fabricator of iron and steel structures in the region and built a nationwide reputation. Originally, Indiana Bridge Company engaged primarily in bridge-building, but switched to the production and erection of architectural steel when concrete became the predominant material for new bridges.

Scope and Contents:

This collection contains records of the Indiana Bridge Company, iron and steel fabricators located in Muncie, Indiana. It covers the time period 1886 to approximately 1978.

The bulk of the collection consists of shop drawings created by Indiana Bridge Company engineers and drafters for several thousand structures dating from about 1889 to about 1922 (catalog number 20- 9). There are 200 rolls of drawings in the collection, covering Indiana Bridge Company contract numbers 222 through 8900. The earliest contracts are for bridges, trestles, and bridge abutments, but the company soon began building other types of engineering structures and providing structural steel for buildings. The company had expanded its business beyond the borders of Indiana by 1890, and by 1896 it had clients as far away as Texas.

The company arranged the shop drawings in rolls and assigned roll numbers. That arrangement has been maintained. The archive holds portions of rolls 1-6 (only the drawings for projects located in Indiana) as well as rolls 7-78, 80-93, 93A, 94-112, 112A, 113-128, 130-144, 146-197, and 199-202. Rolls 7 and 8 are in two parts each: part A for Indiana projects, part B for out-of-state projects.

The commissions received by Indiana Bridge Company from its inception in 1886 to 1978 are listed on 4" x 6" index cards, filling twenty-six card drawers (catalog number 20- 8). This card index has two sections: one arranged alphabetically by name of client, the other arranged by contract number. The two sets cross-reference each other. The contract-number cards typically give more details, including drawing numbers and roll numbers where applicable.

Some projects, especially small bridges and culverts, were not individually designed, but rather were executed from stock plans to which the only the dimensions had to be added. The archive holds several hundred letter-size and legal-size sheets of such stock plans, engineering tables, patterns and standards (catalog no. 20-6) as well as a bound book of "Standards" (approximately 60 blueprint sheets, catalog no. 20-5). The notations "book" or "std" which sometimes appear in the card index in lieu of a drawing number evidently refer to the book of "Standards" or to the sheets of stock details.

Conditions Governing Access:

This collection is open for research.

Copyright Notice: Legal title, copyright, and literary rights reside with Drawings and Documents Archive, Archives and Special Collections, Ball State University Libraries, Muncie, IN. All requests to publish or quote from manuscripts must be submitted to Drawings and Documents Archive.

Custodial History:

The Indiana Bride Company Architectural Records were received by Drawings and Documents Archive as a donation from the Indiana Bridge Company on 1987/4/6.

Accruals: No additions are expected.

Processing Information:

Collection processing completed

Finding aid created 1987/8/11 by Andrew R. Seager; revised 2011/10/20 by Julie Edwards and Carol Street.

Arrangement:

The Indiana Bridge Company Architectural Records are arranged chronologically.

Collection Inventory:

| | | | |
|----------------------|-------------------------------------|------------------------|--------|
| <i>Catalog no.</i> | 20- 01.001 | <i>Storage code(s)</i> | OVA 25 |
| <i>Project title</i> | Indiana Bridge, a Hoosier Tradition | | |

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|-------------------------|--|
| <i>Location</i> | |
| <i>Authorship, year</i> | Indiana Bridge Co. |
| <i>Records</i> | >> Muncie, IN: Indiana Bridge Co., 1952. -- 41 p.; 9 in. |
| <i>Notes</i> | In box, 4 x 20 x 16 in. |
| | |
| <i>Catalog no.</i> | 20- 01.002 |
| <i>Project title</i> | <i>Storage code(s)</i> OVA 25 Agreement Between Indiana Bridge Division of Debron Corp and United Steelworkers of America, Local Union 3124 |
| <i>Location</i> | Muncie, Delaware Co., IN |
| <i>Authorship, year</i> | 1978 |
| <i>Records</i> | >> 64 pages, Red Cover |
| <i>Notes</i> | June 1, 1978 |
| | |
| <i>Catalog no.</i> | 20- 01.003 |
| <i>Project title</i> | <i>Storage code(s)</i> OVA 25 Agreement Between Indiana Bridge Division of Mississippi Valley Structural Steel Co. and United Steel Workers Local Union 3124 |
| <i>Location</i> | Muncie, Delaware Co., IN |
| <i>Authorship, year</i> | Indiana Bridge Co.; 1981 |
| <i>Records</i> | >> 63 Pages, Green Cover. |
| | |
| <i>Catalog no.</i> | 20- 02.001 |
| <i>Project title</i> | <i>Storage code(s)</i> OVA 25 Indiana Bridge Co. projects and employees |
| <i>Location</i> | Muncie, Delaware Co., IN |
| <i>Authorship, year</i> | Indiana Bridge Co. |
| <i>Records</i> | A. 50 copy negatives of 33 photographs: b&w; 35 mm. + 2 contact sheets, 2 negative lists. OVA 25 B. 7 photograph prints from copy negs.: b&w; 5 x 7 in. and 8 x 10 in. |
| <i>Notes</i> | The original photographs are at Archives and Special Collections, Bracken Library, Ball State University |
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| <i>Catalog no.</i> | 20- 03.001 |
| <i>Project title</i> | <i>Storage code(s)</i> OVA 25 Indiana Bridge Co.: miscellaneous records (copies) |
| <i>Location</i> | Muncie, Delaware Co., IN |
| <i>Authorship, year</i> | Indiana Bridge Co. |
| <i>Records</i> | >> Articles of association (certificates of incorporation and of increases in capital stock), 1886-1903. 14 x 8.5 inches -- 8 p.: photocopy; 14 in. |
| | |
| <i>Catalog no.</i> | 20- 04.001 |
| <i>Project title</i> | <i>Storage code(s)</i> OVA 25 Newspaper Clippings |
| <i>Location</i> | Muncie, Delaware Co., IN |
| <i>Authorship, year</i> | Indiana Bridge Co. |
| <i>Records</i> | A. Indiana Bridge Co. Photocopy (Building), 11 x 8.5 inches B. Delaware County Building (2 Copies) Courthouse (2 copies), 11 x 8.5 inches |

C. Anderson H.S. Gym Roof, Jun 26, 1960 Anderson, IN, 11 x 8.5 inches

D. Indiana Bridge Co. May 25, 1986, Muncie Star, 11 x 8.5 inches

Notes Newspaper and brochure clippings. -- 3 items (photocopies), 11 x 8.5 in.

Catalog no. 20- 05.001 *Storage code(s)* OVA 25
Project title Indiana Bridge Co. Catalogue
Location Muncie, Delaware Co., IN
Authorship, year Indiana Bridge Co.; 1890s
Records >> The Indiana Bridge Co., Catalogue. Muncie, IN: Indiana Bridge Co., 1890s. 8.5 x 11 inches -- photocopy 19 sheets
Notes Original in Special Collections Bracken

Catalog no. 20- 06.001 *Storage code(s)* OVA 25
Project title Table For General Manager
Location Muncie, Delaware Co., IN
Authorship, year Indiana Bridge Co.
Records >> ink on linen; 1 page, 14.25 x 7.25 inches; design for table for gen. managers room

Catalog no. 20- 06.002 *Storage code(s)* OVA 25
Project title Water Tower Design - Muncie Pulp Company
Location Muncie, Delaware Co., IN
Authorship, year Indiana Bridge Co; 1892
Records >> ink on linen; 1 page, 17 x 7 inches; design for water tower to the Muncie Pulp Company

Catalog no. 20- 06.003 *Storage code(s)* OVA 25
Project title Improved Steel Culvert or Sewer Pipe
Location Muncie, Delaware Co., IN
Authorship, year Indiana Bridge Co.
Records >> ink on linen; 6 pages, 13 x 8.5 inches; improved steel culvert or sewer pipe, cross section through road bed, three different figures

Catalog no. 20- 06.004 *Storage code(s)* OVA 25
Project title Design of Bending Rolls
Location Muncie, Delaware Co., IN
Authorship, year Indiana Bridge Co.
Records >> Blueprint; 1 page, 13 x 10.5 inches; design of bending rolls

Catalog no. 20- 06.005 *Storage code(s)* OVA 25
Project title Design for Proposed New Bridges in Sullivan County, IN
Location Sullivan Co., IN
Authorship, year Indiana Bridge Co.

- Records* >> ink on linen; 1 page, 14 x 8.5 inches; designs for proposed new bridges, in Sullivan County, Indiana; includes the Hamilton Bridge, Barcus Bridge, bridge across Turman's Creek, bridge across Mud Creek
- Catalog no.* 20- 06.006 *Storage code(s)* OVA 25
Project title Design for Bridge about 2 miles Southwest of Spiceland, Henry County, IN
Location Spiceland, Henry Co., IN
Authorship, year Indiana Bridge Co.
Records >> ink on linen; 1 page, 14 x 8.5 inches; design for bridge about 2 miles southeast of Spiceland, Henry Co, Ind.
- Catalog no.* 20- 07 *Storage code(s)* d
Project title Design for through Baltimore truss bridge
Location
Authorship, year Indiana Bridge Co.; T. L. Ryan, del.
Records >> Oblique view. -- 1 sheet: blueprint; 20 x 42 in.
- Catalog no.* 20- 07.001 *Storage code(s)* OVA 25
Project title Indiana Bridge Co. bridge plaque
Location Muncie, Delaware Co., IN
Authorship, year Indiana Bridge Co.
Records A. 1 plaque: cast iron; 6 x 11 in. -- Bears legend "Pat Sep't 1886. Indiana Bridge Co. Muncie, Ind."
B. Rubbing of PlaqueRubbing of cast iron bridge Rubbing of plaque, "Pat Sep't 1886. Indiana Bridge Co., Muncie, Ind." / Scott Wood; 1987. -- 1 sheet: pencil; 12 x 14 in. OVA 25
Notes In box, 4 x 20 x 16 in.
- Catalog no.* 20- 08 *Storage code(s)*
Project title Indiana Bridge Co.: index to projects and drawings
Location
Authorship, year Indiana Bridge Co.; 1886-1978
Records >> 4 filing cases of index cards. -- Contains indexes by contract number and by client name
- Catalog no.* 20- 08.001 *Storage code(s)* OVA 25
Project title Indiana Bridge Co.: data sheets
Location Muncie, Delaware Co., IN
Authorship, year Indiana Bridge Co.
Records >> Inventory of Indiana Bridge Co. plant equipment. -- 21 sheets: blueprint, photostat negative; 14 x 9 inches
- Catalog no.* 20- 09 *Storage code(s)* d

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| <i>Project title</i> | Indiana Bridge Co. drawings |
| <i>Location</i> | |
| <i>Authorship, year</i> | Indiana Bridge Co.; ca. 1889-1922 |
| <i>Records</i> | >> Fabrication dwgs. for contract numbers ca. 222 through ca. 8900. -- 200 rolls: ink on linen, ink on tracing paper; sizes vary |
| <i>Notes</i> | Includes rolls no. 1-6 (in part), 7-78, 80-93, 93A, 94-112, 112A, 113-128, 130-144, 146-197, and 199-202 |
| | |
| <i>Catalog no.</i> | 20- 09.001 |
| <i>Project title</i> | Indiana Bridge Co.: Standards |
| <i>Location</i> | Muncie, Delaware Co., IN |
| <i>Authorship, year</i> | Indiana Bridge Co. |
| <i>Records</i> | >> Book No. 4. -- Ca. 60 sheets: blueprint on linen and paper; 14 x 10 inches, bound set of standards |
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| <i>Catalog no.</i> | 20- 10.001 |
| <i>Project title</i> | Strains on Roof Trusses |
| <i>Location</i> | Muncie, Delaware Co., IN |
| <i>Authorship, year</i> | Indiana Bridge Co.; No Date |
| <i>Records</i> | >> ink and pencil on linen; 8 sheets; 8.5 x 14 inches; engineering/roof spans |
| | |
| <i>Catalog no.</i> | 20- 10.002 |
| <i>Project title</i> | Truss Patterns |
| <i>Location</i> | Muncie, Delaware Co., IN |
| <i>Authorship, year</i> | Indiana Bridge Co. |
| <i>Records</i> | A. ink on linen ; 8 sheets ; 12.25 x 9 inches ; Low Truss-Warren Girders, Curved Chord Pin-connected bridges, Pin-connected trusses, Riveted curved chord low truss, High Truss riveted warren, pin connected high trusses, low truss pin-connected bridges. B. ink on graph paper ; 5 sheets ; 8.5 x 14 inches ; Coopers 1901 Specifications |
| | |
| <i>Catalog no.</i> | 20- 10.003 |
| <i>Project title</i> | Bridge Trusses: Metal Stock Sizes for Members, List A and Revisions |
| <i>Location</i> | Muncie, Delaware Co., IN |
| <i>Authorship, year</i> | Indiana Bridge Co. |
| <i>Records</i> | >> ink and pencil on linen; 34 sheets, 14 x 8.25 inches; tables |
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| <i>Catalog no.</i> | 20- 10.004 |
| <i>Project title</i> | Bridge Trusses: Metal Stock Sizes for Members, List B |
| <i>Location</i> | Muncie, Delaware Co., IN |
| <i>Authorship, year</i> | Indiana Bridge Co. |
| <i>Records</i> | >> ink on linen ; 11 sheets, 14 x 8.25 inches ; tables |

Catalog no. 20- 10.005 *Storage code(s)* OVA 25
Project title Bridge Trusses: Metal Stock Sizes for Members List C
Location Muncie, Delaware Co., IN
Authorship, year Indiana Bridge Co.
Records >> ink and pencil on linen ; 19 sheets ; 14.75 x 9.25 inches ; tables

Catalog no. 20- 11.001A *Storage code(s)* OVA
Project title Drafting Department Instructions and Tables
Location Muncie, Delaware Co., IN
Authorship, year Indiana Bridge Co.
Records A. ink on linen; 25 pages, 14 x 8.25 inches; a: subject index; b: general instructions; c: ordering material; d: shop drawing; e, shop drawing (con.); f, masonry and setting plans, lists and bills; g: erection plans; h: erection plans
 B. j: ordering material, final shipping lists, plates for single-bolt anchors; k: column detail; l: notes on columns; m: standard angle gages; n: spacing of separators for I & C lintels; o: washer pattern no. 51; p: washer pattern no. 52
 C. q: standard design and detail of cast iron columns; r: details of connecting bracktes for double beams; s: Wallace Foundry Co. Column Brackets; t: standard cast iron pedestals; u: tables of safe eccentric loads, Class D;
 D. v: tables of safe eccentric loads, Class C; w: tables of safe eccentric loads, Class A, B; x: pin-nuts & pilot nuts; y: standard button heads for bolts and rivets

Catalog no. 20- 11.001B *Storage code(s)* OVA 25
Project title Drafting Department Instructions and Tables
Location Muncie, Delaware Co., IN
Authorship, year Indiana Bridge Co.
Records A. ink on linen; 6 pages, 14 x 8.25 inches; a: sizes of structural steel shapes and amounts carried in stock bars; b: sizes of structural steel shapes and amounts carried in stock plates; c: sizes of structural steel shapes and amounts carried in stock;
 B. d: net area 1 angle 1-7/8 hole, net area 1 angle 2-7/8 holes; e: standards stirrups, table giving additional lengths of bars required to form stirrups; f: for beams supported by hangers technical drawing; g: for beams supported by hangers

Catalog no. 20- 11.002 *Storage code(s)* OVA 25
Project title Drafting Department Parts and Specifications

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| <i>Location</i> | Muncie, Delaware Co., IN | |
| <i>Authorship, year</i> | Indiana Bridge Co. | |
| <i>Records</i> | <p>A. ink on linen; 26 pages, 14 x 8.25 inches; a: standard connection chart; b: standard connection chart; c: make 1 x bracing; d: make 2 x bracing; e: standard verticle spacing for beam framing; f: cast saddle washers standards, pattern no. 57, 56;</p> <p>B. g: cast saddle washers standards, no. 55, 54; h: cast hillside washers, pattern no. 51; i: cast hillside washers, pattern no, 50; j: cast hillside washers, pattern no. 52; k: bow string truss, formula for finding verticle ordinates; l: grated cellar door;</p> <p>C. m: drawing of unknown object; n: bearing-clearance-connections for channels; o: bearing-clearance-connections for beams; p: information for special shapes; q: misc. chart; r: clearances for Alliance Machine Co. cranes; s: shears for 4",5",6" chans.;</p> <p>D. t: shears for 7",8" chans.; u, cast iron beveled washers, pattern 2046; v: cast iron beveled washers, pattern 2047; w: variable angle railing fittings; x: lattice bars and batten plates; y: standard copes (Carnegie); z: standard copes</p> | |
| <i>Catalog no.</i> | 20- 11.003 | <i>Storage code(s)</i> OVA 25 |
| <i>Project title</i> | Specifications for Concrete Steel Flooring to Highway Bridges | |
| <i>Location</i> | Muncie, Delaware Co., IN | |
| <i>Authorship, year</i> | Indiana Bridge Co.; 1908 | |
| <i>Records</i> | >> ink and pencil on linen; 1 sheet ; 14 x 8.25 inches | |
| <i>Catalog no.</i> | 20- 11.004 | <i>Storage code(s)</i> OVA 25 |
| <i>Project title</i> | Indiana Bridge Company Drafting Department, Miscellaneous Standards | |
| <i>Location</i> | Muncie, Delaware Co., IN | |
| <i>Authorship, year</i> | Indiana Bridge Co. | |
| <i>Records</i> | <p>A. ink on linen ; 20 sheets ; 14 x 8.25 inches ; a: standard area gratings ; b: crane specification table, Shaw Electric Crane Company (1902) ; c: crane specification table, Shaw Electric Crane Company (1902) ; d: typical column details ;</p> <p>B. e: cantilever truss ; f: end framing ; g: door jambs and hangers ; h: eave struts and girts ; i: girts ; j: curb angles ;k: standard beams and channels (1919) ; l: standard punching for truscon steel sash</p> <p>C. m: standard connection angles (1929) ; n: standard punching for truscon steel mullions ; o: beams ; p: crane beams ; q: lintels ; r: lintels ;</p> | |

D. s: standard separators and spacing for beam and channel lintels ; t: standard spacing for separators on channel lintels with shelf angle

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| <i>Catalog no.</i> | 20- 12.001 | <i>Storage code(s)</i> | OVA 25 |
| <i>Project title</i> | Voided Tables of Weights | | |
| <i>Location</i> | Muncie, Delaware Co., IN | | |
| <i>Authorship, year</i> | Indiana Bridge Co. | | |
| <i>Records</i> | <p>A. ink on linen; 14 x 8.25 inches, 6 sheets; a: weight per vineal foot in pounds of hollow round cast iron columns (voided); b: weight per lineal foot in pounds of hollow round cast iron columns (voided); c: weight of cast iron in cubic inches (voided);</p> <p>B. d: weight per lineal foot of hollow square cast iron columns (voided); e: weight per lineal foot of hollow square cast iron columns (voided); f: weight per foot of cast iron plates (voided)</p> | | |
| <i>Catalog no.</i> | 20- 12.002 | <i>Storage code(s)</i> | OVA 25 |
| <i>Project title</i> | Weights of Angles | | |
| <i>Location</i> | Muncie, Delaware Co., IN | | |
| <i>Authorship, year</i> | Indiana Bridge Co. | | |
| <i>Records</i> | >> ink on linen; 11 x 9 inches, 1 sheet, weights of angles (chart) | | |
| <i>Catalog no.</i> | 20- 12.003 | <i>Storage code(s)</i> | OVA 25 |
| <i>Project title</i> | Weights of Plates and Other Members | | |
| <i>Location</i> | Muncie, Delaware Co., IN | | |
| <i>Authorship, year</i> | Indiana Bridge Co | | |
| <i>Records</i> | <p>A. ink on linen; 14 x 8.5 inches (35 sheets), weight of cast iron in cubic inches, weight per linear foot of hollow round cast iron columns, weight per linear foot of hollow square cast iron columns, weight of plates, angles, i-beams and channels, z-bars</p> <p>B. ink on linen; 8 x 15.5 inches, 16 sheets, weight of plates (1/16" - 1")</p> | | |
| <i>Catalog no.</i> | 20- 13.001 | <i>Storage code(s)</i> | OVA 25 |
| <i>Project title</i> | Small Bridge Standards | | |
| <i>Location</i> | Muncie, Delaware Co., IN | | |
| <i>Authorship, year</i> | Indiana Bridge Co. | | |
| <i>Records</i> | <p>A. ink on linen; approx. 14 x 8.5 inches, 56 Sheets - Specifications and Standards for I-Beam bridges, Pony Truss, Pratt Trusses, Cantilevered Bridges, Leg Bridges, Roadway Bridges</p> <p>B. ink on linen; 15.5 x 14 inches, 1 sheet - gas pipe railing drawing (instructions) with dimensions</p> | | |

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| <i>Catalog no.</i> | 20- 13.002 | <i>Storage code(s)</i> | OVA 25 |
| <i>Project title</i> | Small Bridges - Details | | |
| <i>Location</i> | Muncie, Delaware Co., IN | | |
| <i>Authorship, year</i> | Indiana Bridge Co. | | |
| <i>Records</i> | >> ink on linen; 14 x 8.5 inches, 2 sheets; a, details for wooden mudsill and steel backing; b, details for concrete base, wooden mudsill, and stone backing | | |
| <i>Catalog no.</i> | 20- 14.001 | <i>Storage code(s)</i> | OVA 25 |
| <i>Project title</i> | Pattern Numbers 101-182 | | |
| <i>Location</i> | Muncie, Delaware Co., IN | | |
| <i>Authorship, year</i> | Indiana Bridge Co. | | |
| <i>Records</i> | >> ink on linen; 77 sheets; 14.25 x 8.75 inches (69 sheets), 15.25 x 8.75 inches (8 sheets), patterns for various bridge parts | | |
| <i>Catalog no.</i> | 20- 14.002 | <i>Storage code(s)</i> | OVA 25 |
| <i>Project title</i> | Indiana Bridge Company - Miscellaneous Patterns | | |
| <i>Location</i> | Muncie, Delaware Co., IN | | |
| <i>Authorship, year</i> | Indiana Bridge Co. | | |
| <i>Records</i> | >> ink on linen; 87 sheets; approx. 14 x 9 inches, various patterns used by Indiana Bridge Co. | | |
| <i>Catalog no.</i> | 20- 15.001 | <i>Storage code(s)</i> | OVA 25 |
| <i>Project title</i> | Miscellaneous Details - Indiana Bridge Company | | |
| <i>Location</i> | Muncie, Delaware Co., IN | | |
| <i>Authorship, year</i> | Indiana Bridge Co. | | |
| <i>Records</i> | A. ink on linen; 17 pages; a: 14 x 8.5 inches, details for high trusses; b: 15 x 11.25 inches, water tower barrel detail; c: 12.5 x 4 inches, labels for 'design for through Baltimore truss bridge, Span 200' R'y. 18' Sidewalks 5' each; B. d: approx 19 x 8.5 inches, shapes with dimensions; e, 14.25 x 8.5, unidentified shapes; f: 8.5 x 4.5 inches, unknown detail with dimensions; g: 10 x 8 inches, pipe detail; h: 12 x 8 inches, pipe detail; i: 14 x 8.5 inches, unknown angular shapes; C. j: 14.5 x 8.5 inches, specifications for steel sub-structure; k: 10.5 x approx. 8.5 inches, unknown detail with dimensions; l: irregular shape and size, unknown detail with dimensions; m: approx. 10.5 x 5.25 inches, unknown detail with dimensions; D. n: 9 x 4.75 inches, detail with dimensions for B234; o: irregular shap and size, unknown detail with dimensions; p: 9 x 7 inches, rail detail; q: 12.25 x 7.75 unknown detail with dimensions | | |

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| <i>Catalog no.</i> | 20- 15.002 | <i>Storage code(s)</i> | OVA 25 |
| <i>Project title</i> | Miscellaneous Tables - Indiana Bridge Co. | | |
| <i>Location</i> | Muncie, Delaware Co., IN | | |
| <i>Authorship, year</i> | Indiana Bridge Co. | | |
| <i>Records</i> | <p>A. ink on linen; 20 sheets; a: 10 x 7 inches, calculations for the spacing of lacing bars; b: 10 x 7 inches, calculations for the spacing of lacing bars; c: 12.25 x 9.5 inches, tee beam tables (t=4");</p> <p>B. d: 12.25 x 9.5 inches, tee beam tables (t=5"); e: 12.25 x 9.25 inches, tee beam tables (t=6"); f: 12.25 x 9.25 inches, tension table flat bars; g: 12.25 x 9.25 inches, tension table round bars; h: 12.25 x 9.25 inches, tension table square bars;</p> <p>C. i:, 12.25 x 9.25 inches, tension table flat bars; j: 12 x 9 inches, chart; k, l, m, n: 12.25 x 9 inches, values of members for trussed portals and strains for different spans and roadways; o: 9 x 6 inches, rivet chart (3/4");</p> <p>D. p: 9 x 6 inches, rivet chart (5/8"); q: 9 x 1.05 inches, unknown chart; r: 13.5 x 8.5 inches, blank hand drawn graph paper; s: 14.25 x 8.5 inches, ultimate strength of cast iron columns; t: 14.25 x 8.75 inches, safe loads on single LS used as strut (void)</p> | | |

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| <i>Catalog no.</i> | 20- 16 | <i>Storage code(s)</i> | CAB 1 |
| <i>Project title</i> | Smoley's Parallel Tables of Logarithms and Squares | | |
| <i>Location</i> | New York, NY | | |
| <i>Authorship, year</i> | C.K. Smoley; McGraw-Hill Book Co., publishers; 1914 | | |
| <i>Records</i> | >> Book; xxi, 330 (i.e. 348) p., 3 l., 174 p. diags. 18 cm. | | |

Controlled Access Headings:

- Drawings, engineering (visual works)
- Photographs
- Documents
- Muncie (Ind.)
- Architecture--Designs and plans--Working drawings
- Business records
- Blueprints
- Iron and steel bridges
- Iron and steel bridges--Design and construction
- Indiana Bridge Company (Muncie, Ind.)
- Muncie (Ind.)

