

## Terminal Railroad Association Collection

Inventory of Digitized Drawings of the Eads Bridge

Digital Photography by John William Nagel, 1999

User copies of these images are in JPEG format. In general, the file names correspond to the TR number assigned by Washington University - the image for drawing number TR-2 will be named: tr2.jpg. We have noted instances where there are multiple images of the same drawing, or where the file name does not correspond to the drawing number.

<u>A.B. number</u>	<u>W.U. number</u>	<u>Description</u>
-----	TR-2	#46: Showing mode of supporting the railway on joints 7 & 34 of side spans and 8 & 36 of centre span
-----	TR-3	#39: Wrought iron tension-rods between struts, including bracing between struts and table showing the values of "I"
-----	TR-4	#31: Showing mode of supporting crossbeams of railroad on joints 9 & 10 of side spans
-----	TR-5	#38: Showing mode of supporting railway at joints (0-7) & (37-44) middle span and (0-6) & (35-42) side spans
-----	TR-7	#30: Support of crossbeam of lower roadway at joint #s 10 & 34 and 11 & 33 (centre span)
-----	TR-8	#3 (revised): Wrought iron skewbacks for upper members (24 pieces required)
-----	TR-10	#29 (revised): Suspension rods
-----	TR-11	#s 21 and 21 (revised): Tension rods between steel ribs with connecting straps and bolts (steel) for middle span and side spans
-----	TR-16	#10 (revised): Eyeplate washers for middle span (steel) Scale: 1/4 full size
-----	TR-19	#48 (revised): Showing mode of supporting the railway at joint 33 (side span)
-----	TR-20	Joint A1 of middle span

-----	TR-21	(revised): Anchor bolts for steel ribs, a. bolts through piers and b. bolts in abutments and cast iron anchor plates in abutments
-----	TR-22	#3: Wrought iron anchor bolts and skewbacks for abutments
-----	TR-23	Details of connections with struts for wrought iron tension rods, revised from drawing 39 of 10/2/1873
-----	TR-25	#44: Anchorage of wind-truss of upper roadway at piers (4 sets required)
-----	TR-27	#71: Crossbeams of lower roadway in centre part of spans (includes middle and side spans)
-----	TR-28	#70: Lateral stiffening of support member of outer ribs in centre part of spans
-----	TR-38	#60 (revised): Cornices for approaches, a. over levees and b. from levee to 3 <sup>rd</sup> street
-----	TR-40	Ornamental castings on Main & 2nd Street bridges
-----	TR-41	#47 (revised): Support of crossbeam of lower roadway at joint no. 8 (side span)
-----	TR-44	#27A (revised): Full size section of wrought iron longitudinal beam and steel rail used in construction of railway, including table of lengths of beams for centre and side spans
-----	TR-74	#12 & 22 (revised): Wrought iron sleeve couplings connecting tubes
-----	TR-78	#12 (revised): Steel sleeve couplings connecting tubes of middle span
-----	TR-88	Plate I: Showing the influence of variable loads on the ribs of central arch (520 feet span), including suppositions made for the calculation
-----	TR-97	#5 (revised): Anchor bolts for steel ribs, includes bolts through piers, bolts in abutments, and cast iron anchor plates in abutments

----	TR-139	Table of tension rods for wind bracing between lower members of side spans with
----	TR-156	#25: Horizontal stays between steel ribs of side spans (wrought iron)
----	TR-189	Unidentified, but previously identified on folder as 1867 design
----	TR-190	Unidentified, but previously identified on folder as 1867 design (two images: file names are tr190a.jpg and tr190b.jpg)
AB-58	TR-191	#50: Skeleton of Illinois and St. Louis Bridge (two images: file names are ab058a.jpg and ab058b.jpg)
AB-83	TR-288	General plan of erecting Illinois & St. Louis Bridge by Keystone Bridge Co. Pittsburgh, PA, shows full span from Illinois to Missouri, includes aerial view and abutment pier/towers (two images: file names are tr288a.jpg and tr288b.jpg)
----	TR-294	Unidentified, diagram showing the base of bridge piers below water level
----	TR-309	Tunnel no. 5
----	TR-329	Unidentified, appears to be cross section of tunnel (two images: file names are tr329a.jpg and tr329b.jpg)
AB-59	TR-382	#51: Mode of supporting the struts on joints 0 & 42 side spans and 0 & 44 centre span
AB-71	TR-387	#64a: Girders between towers (2 girders required)
AB-74, AB-75, AB-76, AB-77	TR-388	#70: Lateral stiffening of upper member of outer ribs in centre part of (three images: file names are tr388a.jpg, tr388b.jpg. and tr388b2.jpg)
AB-52	TR-420	#44: Anchorage of wind truss of upper roadway at piers, 4 sets required
AB-37	TR-423	#35: Struts made of 8" channel bars (88 pieces required)

AB-60	TR-426	#52: Elevation of half of middle span (two images: file names are tr426a.jpg and tr426b.jpg)
AB-93	TR-430	General diagram of the Illinois and St. Louis Bridge, showing entire scheme (two images: file names are tr430.jpg and tr430b.jpg)
AB-28	TR-431	#26: Main braces, includes specifications for middle and side span braces
AB-61	TR-432	#53: Longitudinal section of pier, showing connection of side and centre spans (two images: file names are tr432a.jpg and tr432b.jpg)
AB-62	TR-433	#54: Cross section near pier (two images: file names are tr433a.jpg and tr433b.jpg)
-----	TR-461	#I, II, & IV: Details of caissons for east approach piers, lower door for airlock (6 pieces required)
-----	TR-462	Airlocks for caissons of east approach piers #I, II, & IV (6 pieces required)
-----	TR-465	Caisson for east abutment, plan showing location of pipes
-----	TR-466	Caisson for west pier, plan of bottom