

RG3761.AM Union Pacific Railroad  
Subgroup 10 Mechanical Department

Series 1 Steam Locomotive Drawings

Steam Locomotive Drawing Negatives (moved to photo collections)

Box 400-401 Steam Locomotive Tracings Lists, 1904-1947  
Folder inventory

Box 402 Steam Locomotive Tracings Index (index for rolls 1-13 of steam locomotive tracings)

Roll 1-13 Steam Locomotive Drawings  
Roll list inventory and Index

Roll 1-1 – 7-1 Index for Steam Locomotive Drawings roll list

Series 2 Passenger Car and Component Parts Tracings

Roll 1-13 Passenger Car and Component Parts Tracings

Series 3 Miscellaneous Drawings

Roll 1-3 Miscellaneous Drawings  
Roll list, inventory

Series 4 Miscellaneous Manuals

Box 403  
v. 1-3 Miscellaneous Manuals

RG3761.AM Union Pacific Railroad Company  
 Subgroup 10 Mechanical Department

The bulk of the records of the Mechanical Department consist of approximately 300 cubic feet of oversize locomotive, passenger car and component part drawings. The original drawings have been returned to the Union Pacific Railroad.

However, some of these drawings appear on microfilm which can be found in our Reference Room.

Due to the volume of the records, an item by item inventory will not be attempted. There is an original index prepared by the Union Pacific Railroad, Mechanical Department, and an index on microfilm for the filmed drawings.

Series One Steam Locomotive Drawings

Items 1-55 Original Steam Locomotive Drawings  
 (available on 8 ½ x 11 negatives)(moved to photo collections)

Box 400 Steam Locomotive Tracings Lists, 1904-1947

(The following are specifications & listings only)

f.1	CS102	Pacific Type	P77 22/28 141, 1945	1904-1912
f.2	CS111	7000 Gallon Tender		1906-1912
		Pacific	P-77 22/28 141	
		10-Wheel Type	T-63 22/28 160	
		10-Wheel Type	T-63 22/28 150	
		10-Wheel Type	T-69 22/28 159	
		Atlantic	A-81 20/28 106	
		8-Wheel Type	E-73 20/26 100	
f.3	CS110	9000 Gallon Rectangular Tender		1905, 1912
		10-Wheel	T-63 22/28 162-S	
		Pacific	P-77 25/28 167-S	
		Mikado	MK-63 26/28 218-S	
f.4	CS122	9000 Gallon Cyl. Tender		1910, 1912
		Pacific Type	P-77 25/28 167-S	
		10-Wheel	T-63 22/28 162-S	
		Mikado	MK-63 26/28 218-S	
f.5	CS103	Consolidation Loco.	C-57 ww/30 187 (FEF-1 800-819)	1904, 1912
f.6	Index	Drawings	4-8-4 FEF-1 800-819	1947

RG3761.AM Union Pacific Railroad Company  
 Subgroup 10 Mechanical Department

Series One Steam Locomotive Drawings

Box 400 (cont)

f.7	Index	Tenders 20-C-1, 101-105	4-8-4 FEF-1 800-819 20-C-2, 201-215	1947
f.8	Index	Locomotives	4-8-4 FEF-3 835-844	1947
f.9	Index	Tenders 23-C201 to 23-C-210	4-8-4 FEF-3 835-844	1947
f.10	CS138	Mikado Freight	2-8-2 1930-1949 MK-57 23 3/4/30 206-S	1912
f.11	CS139	Mikado Passenger	2-8-2 2210-2259 MK-63 26/28 214-S	1912-1913
f.12		List of Drawings for Oil Burning Locomotives		1939
f.13	Index	O & NW RR Locos.	2-8-2 2260-2261	1947
f.14	Index	Mikado	2-8-2 1900-2500 Series MK-63 26/28 214-S	1919
f.15	CS208	Mikado	2-8-2 2295-23-- MK-63 26/28 214-SD	1920
f.16	U.S.R.A.	Light MacArthur	2-8-2 12480-2499; 2535-2554	n.d.
f.17	CS102	Pacific	4-6-2 2800-4829 P-77 22/28 141 w/inside Trailer Box	1904-1908
f.18		Application Timken Bearings	4-6-2 2906	1942
f.19	CS214	Mallet Type	2-8-8-0 3600 MC-57 26/41/32 464/SD	1917-1923
f.20	CS214	Mallet Type 1924 Equipment	2-8-8-0 3600 MC-57 26-41/32 464-SD	1917-1924
f.21	Index	U.P.R.R.	2-8-8-0/2-8-8-2 3500 3569 SA-C 2-6	1946
f.22	Index	General Standards	2-8-8-0/2-8-8-2 3570-3599	1945
f.23	Group Index		4-6-6-5, 3800-3814 (CSA-1)	1924-1939
		Group Index-Tenders	19-C-1; 19-C-101 115 inc.	1928-1939
f.24	Index	For Challenger 1 <sup>st</sup> & 2d Series Challenger Series	3-5 w/14wheel centipede tender 4-6-6-4-4-6-6-5 3930-3949	1947

RG3761.AM Union Pacific Railroad Company  
 Subgroup 10 Mechanical Department

Series One Steam Locomotive Drawings

Box 401		Steam Locomotive Tracings Lists, 1904-1947		
f.1	Index	Big Boy	4884-1, 4000-4019	1944
f.2	Index	Big Boy	4884-2, 4020-4024	1947
f.3	U.S.R.A.	Switch Spec.	2-8-2, 4600-4609; 4753-54, 475	n.d.
f.4	Index	2-10-2	TTT-1, 500-5009; 5225 TTT-2, 5300-5305 TTT-3, 5014; 5526-5529 TTT-4, 5015-5039 TTT-5, 5315-5318; 5400-5414 TTT-6, 5040-5089; 5306-5313; 5500-5514 TTT-7, 5515-5524	1946
f.5	Application	Timken Bearing	4-8-2, 7002 (MT 1,2)	1942
f.6	Index	4-8-2	MT 1-2, 7000-7039; 7850-7869	1946
f.7	CS216-A	12000 Gal. Cyl Tender with 6-wheel truck for oil burning locomotives 8800-8808, American Locomotive Co. 1926 Equipment; ALCO Order B-1682		1926
f.8	Index	UP Type	4-12-2, 9000-9014 with 3 <sup>rd</sup> link	1934-1935
f.9	CS222	18000 Gal. Cyl.-6 wheel truck-duplex stokes tender 4-12-2 UP Type	9000 Series, 18C-426-440	1904-1929
f.10	CS222	18000 Gal. Cyl. Tender, 6 wheel truck, freight service, duplex stokes, 1926 Equipment 4-12-2 UP Type	9030-9054, 18-C-4	1929
f.11	CS222	ibid		
f.12	CS222	1800 Gal Tender, 6 wheel commonwealth truck 4-12-2, 9000 Series, 18-C-8, Tenders 801-819		1931
f.13	Index	4-12-2	9000-9087; 9500-9514 UP 1-5	1945
f.14	CS223	1800 Gal. Cyl. Tender, 6 wheel truck with Franklin Tender Booster, Freight Service, Duplex Stoker, 4-12-2 UP Type	9700-9706	1928
f.15	CS224	1800 Gal. Cyl. Tender, 6 wheel truck of Bethlehem Aux. Tender Loco., Freight Service, Duplex Stoker, 4-12-2 UP Type, 9707, 9062 (Ore-Wash)		1928
f.16	CS107	7000 Gal. Cyl. Tender, Freight		1904, 1912
f.17	CS108	4000 Gal. Switching Loco. Tender		1904, 1913

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Series One Steam Locomotive Drawings

Box 401 (cont)

f.18	CS122	9000 Gal. Cyl. Tender (Passenger)	1920
f.19	Index	12000 Gal. Cyl. Tender, Freight Service, Duplex Stoker, 1923 Equipment 1904-1923	
f.20	Group Index	Tender Class 19-C-2; 19-C-201 to 19-C-225, inc.	1937-1939
f.21	Index	1200 Gal. Cyl. Tender, 4 wheel truck	1946
f.22	Index	12000 Gal. Cyl. Tender, 6 wheel truck with bolted on pedestals	1946
f.23	CS202	4500 Gal. Switching Locomotive Tender	1920
f.24	CS209	10,000 Gal. Cyl. Tender, Duplex Stoker	1920
f.25	CS213	12000 Gal. Cyl. Tender, Freight Service, Duplex Stoker	1922, 1924
f.26	Index	Force Feed Lubrication Drawings:	
	4-8-4	FEF-1	800-819
	4-8-4	FEF-2	820-834
	SA-C 2-6		3500-3564; 3565-3566; 3567-3569
	4-6-6-4	CSA 1-2	3800-3839
	4-6-6-4	3 & 4	3950-3999
	4-8-8-4-1		4000-4019
	& Tenders	25 C-1	101-120 used with 4000-4019
	2-10-2	TTT 1-7	5315-5318; 5400-5408; 5410-5414; 5500-5524; 5525-5529
	2-10-2	FTT 1-2	5090-5099
	4-8-2	MT 1-2	7000-7039
	4-12-2	UP 1-5	9000-9062; 9078-9087; 9500-9514

Box 402 Steam Locomotive Tracings Index

f.1	Drawings by Locomotive Type
f.2	Drawings appearing on Roll #1, 1630 Total
f.3	Drawings appearing on Roll #2, 2741 Total
f.4	Drawings appearing on Roll #3, 1954 Total
f.5	Drawings appearing on Roll #4, 1177 Total
f.6	Drawings appearing on Roll #5, 607 Total
f.7	Drawings appearing on Roll #6, 583 Total
f.8	Drawings appearing on Roll #7
f.9	Drawings appearing on Roll #8, 599 Total
f.10	Drawings appearing on Roll #9 & #10, 2432 Total
f.11	Drawings appearing on Roll #11

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Series One Steam Locomotive Drawings

Box 402 (cont)

- f.12 Drawings appearing on Roll #12
- f.13 Drawings appearing on Roll #13, Miscellaneous

The following microfilm includes drawings for locomotive and mechanical parts. Erection drawings are included for boilers, cabs, locomotives, etc., although the print quality of some of the drawings is questionable. The film includes mechanical drawings located at our off-site storage facility. A list of the original drawings of locomotives stored in our main building follows a subject index to the following rolls of microfilm.

Roll 1	091-CA-21692 thru 841-CA-22037
Roll 2	841-CA-20082 thru 171-CA-25397
Roll 3	013-CA-23301 thru 543-CA-33976
Roll 4	563-CA-7533 thru 913-CA-25983
Roll 5	913-CA-25984 thru 234-CA-32389
Roll 6	244-CA-20593 thru 566-CA-24091
Roll 7	566-CA-22749 thru 684-CA-21511
Roll 8	684-CA-23327 thru 894-CA-26335
Roll 9	914-CA-23727 thru 894-CA-26335
Roll 10	64-CA-22953 thru 844-NEW-27201 (includes O.S.L. RR)
Roll 11	894-NEW-22626 thru CA-7840
Roll 12	A-4123 thru A-8267 – O. RR & Nav. Co. & S.P., L.A. & S.L. RR)
Roll 13	A-596 thru A-8845 – O. W. RR & Nav. Co.
Roll 1-1	Index Cards, CA-2627- thru CA-10718
Roll 2-1	Index Cards, CA-20719 thru CA-24097
Roll 3-1	Index Cards, CA-22000 thru CA-22999
Roll 4-1	Index Cards, CA-24098 thru CA-26350
Roll 5-1	Index Cards, CA-26351 thru CA-28638
Roll 6-1	Index Cards, CA-28639 thru CA-30999
Roll 7-1	Index Cards, CA-31000 thru CA-33654

Series Two Passenger Car and Component Part Tracings  
(Original drawings donated to Historical Society by Union Pacific Railroad Co.,  
November 1, 1976)  
(Rolls numbered 1-14 by UP Mechanical Department)

Roll 1 231-CB-28602 (Angle Hopper Chute) thru  
132-CB-33876 (Hand Brake Plate)

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Series Two Passenger Car and Component Part Tracings

- Roll 2 132-CB-33877 (Hand Brake Shaft) thru  
CB-21085 (Heating System)
- Roll 3 CB-272-3 (Water Cooler Base) thru  
123-CB-22293 (Brake Head Shoe & Key)
- Roll 4 453-CB-22298 (Under Frame General Susp. Diner) thru  
173-CB-30451 (Door Plant 3086-3091)
- Roll 5 203-CB-30453 (Modified Application of Supply Reservoir) thru  
323-CB-37434 (Emergency Switch Plate 5528-5542)
- Roll 6 184-CB-21087 (Draft Gear Application) thru  
286-CB-22560 (Ceiling Layout)
- Roll 7 456-CB-22563 (Underframe 980-1208) thru  
CB-25149 (Interior Conduit Wiring Diagram 997)
- Roll 8 204-CB-25161 (Safety Catch for Eng. Gendice Eng.) thru  
206-CB-26834 (Heat & Water Piping Installation Pacific Series)
- Roll 9 CB-26835 (Skirt Arrangement Series) thru  
274-CB-31842 (Rubber Details Armrest)
- Roll 10 CB-31843 (Lavatory Cover Sleepers) thru  
176-CB-32304 (Side Door Section Mail)
- Roll 11 286-31843 (Lavatory Cover Sleepers) thru  
286-CB-34543 (Vestibule End)
- Roll 12 CB-34544 (Fresh Air Intake) thru  
256-CB-36092 (Heater Pipe)
- Roll 13 284-CB-36094 (Letter Cases Mail Room) thru  
434-CB-37629 (Body & Truck Center Bearing Arrangement  
Center Plate)

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Series Three Miscellaneous Drawings

- Roll 1 (5 UPRR) Miscellaneous Obsolete  
692-CA-34059 (Box-Engine Truck) thru  
Motor Car #7-8 Steel Frame 8 Wheel
- Roll 2 (6 UPRR) 1820 to 1839 thru 502 Standard Wood Boxes
- Roll 3 (7 UPRR) OSL Boiler for Engines 517; 519-524 thru  
104-CA-21528 (Ash Pan Arrangement)

Series Four Miscellaneous Manuals

Box 403

- v. 1 Index Listing Machinery, 1890-1896  
Sup of Machinery & Rolling Stock, Omaha
- v. 2 Electro-Motive Corporation, LaGrange, IL (621.436/E121)  
Locomotive Operation & Maintenance  
UPRR Diesel-Electric Passenger Locomotives, 1940
- v. 3 Electro-Motive Corporation Instruction Manual (621.436/E12op)  
Union Pacific Trains, M-10005 & M-10006  
“City of Denver”, M-10003 Spare, 1936



RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 1

Ash & Fire Pans	100-101
Axles	111
Bell	120
Boiler Details	131; 140-142
Bolts, Studs, Keys	150-151
Boxes – Driving	161
Boxes – Truck	170-171; 181
Brackets	181
Brake Equipment – Details	190-191
Cab Details	230-231
Cab Fittings	240-241
Cocks & Valves	260-261; 270-271
Crosshead	300-301
Cylinders	311, 321
Dome	361
Draw Gear	370-371
Eccentric	391
Engine Truck Parts	400-401
Trailing Truck Parts	510-511
Exhaust Nozzle	441
Fire Door & Arch	451
Frame Details	461; 470-471
Gauges	491
Guide Yoke Braces	501
Grates – Detail	520-521
Handrails & Steps Engine	530-531
Headlight Number Plates, etc.	540-541
Injector & Feed Water Heater	560-561
Cab Lagging Angle & Jacket Band	571
Link	581
Oil Cups, Lubricators, etc.	600-601; 611
Pilot	621
Pipe Fittings	630-631
Piping – Engine	640-61
Piston	650-651
Plugs	660-661

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 1 (cont)

Reverse Gear	680-681; 690-691
Rocker – Rock Shaft	701
Runboard – Engine	710; 711
Running Board Brackets	711
Rods	721
Sand Box	730-731
Smoke Box	740-741; 750-751
Springs	760-761
Spring Rigging	770-771
Steam Gauges	791
Steam Pipe & Superheater	801
Stoker	810-811
Tank	821
Brake/Tender-Truck	841

Roll 2

Tender Brakes	841
Tender Draw Gear	860-861
Tender Body	851
Tender Handrails, etc.	871
Man-hole & Cover	881
Tender Tank	880-881
Tender Truck	890-891
Throttle & Dry Pipe	910-911
Valves – Distribution	941
Wheels & Tires	951
Whistle	960-961
Cab Stenciling	991 (Mac) 1900-2735
Speed Recorder	991 3975-3999
Drawings – Record Cards	012
Shop Tools	092
Ash & Fire Pan	102
Axles	112
Bell	122

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 2 (cont)

Boiler Material	132
Mud Ring Corners	142
Boiler Details	142
Bolts, Studs, Keys	152
Boxes – Driving	162
Boxes – Truck	172
Gauge Stands & Brackets	182
Brackets	182
Air Pumps	192
Brakes	202
Bumper	212
Cab Details	232
Cab Fittings	242
Cocks & Valves	262
Cock Riggint	272
Crank Pins	292
Crosshead	302
Cylinder	312
Cylinder Heads	322
Dome	362
Draw Gear – Engine	372
Eccentric	392
Engine Truck	402
Trailing Truck	412
Bolster Truck	432
Exhaust	442
Fire Door & Arch	452
Frame	462
Frame Details	472
Gauges	492
Guides & Yokes	502-503
Grate Details	522
Handrails & Steps	532
Headlights, Number, Plates, etc.	542; 552
Injector & Feed Water Heaters	562
Link Motion	582

Lubricators & Oil Cups 602  
RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 2 (cont)

Oil Burning Equipment	612
Pilot	622
Pipe Fittings	632
Piping	642
Piston & Rod	652
Plugs	662
Reverse Details	682
(Common Standard Power Reverse Gear, Det.)	
Reverse Shaft	692
Rocker	702
Running Board	712
Rods	722
Sand Box	732
Smoke Box	742
Smoke Stack	752
Springs	762
Spring Rigging	772
Steam Chest	782
Steam Turret	792
Steam Pipe & Super Heater	802
Stoker	812
Tank Valve & Rigging	822
Tender Brakes	842
Tender Draw Gear	862
Tender Frame	852
Tender Details	872
Tank Valve & Rigging	822
Tender Hot Box & Piping	832
Tender Brakes	842
Tender Tank	882
Tender Trucks	892
Throttle	912
Valves	942
Wheels & Tires	952
Whistle	962

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 2 (cont)

Streamling	972
Clearance Diagrams (Wheels)	992
Wheels	952
Whistle Levers	962
Mandril for Bronzing Z type piston	091
Ash Pan	100-101
Axles	111
Bell	120-121
Boiler Material	131
Boiler Details	140-142
Bolts, Studs, Keys	150-151
Boxes – Driving	161
Boxes – Truck	170-171

Roll 3

Drawings Loco Group Titles	013-CA-23301
Shop Tools	093
Ash & Fire Pans	103
Axles	113
Bell	123
Bells	
123-CA-27321	FEF-2 802-834 1939
123-CA-28747	4884-1 4000-4019 1941
	4664-3 3950-3969 1941
123-CA-23436	UP 3-5 9015-9087 1937
	9500-9514
123-CA-31066	4664 4-5 3930-3999 1943
	4882-2 4020-4024 1943

NOTE: Following Drawings 223-CA-21012 is a drawing for Chime Whistle 936-CA-21114, 1920 for all classes

RG3761.AM Union Pacific Railroad Company  
 Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 3 (cont)

Boiler Elevation & Section (1916	133-CA-20164-65	4421-4752	S5-6
Boiler Section (1911-28)	133-CA-3010	201-6086	C-2
Boiler Back End (197-28)	133-CA-3011	201-6086	C-2
Boiler Sections (1908-1927)	133-CA-3938	201-6086	
Boiler Elevation (1906-1914)	133-CA-4514		S-51
Boiler Section (1921-1928)	133-CA-21403	2295-2564	MK 9-10
Boiler Details	133		
Boiler Details	143		
Boxes – Driving	163	(end, 163-CA-27535)	
Boiler Details	143		
Bolts, Studs, Keys	153		
Boxes – Driving	163	(begin, 163-CA-6484)	
Boxes – Truck	173		
Boxes – Driving	163	(CA28897-99; 29591-92)	
Mixed with 173			
Brackets	183		
Brake Equipment	193		
Driver Brake Details	203		
Bumper	213		
Cab Details	223		
223-CA-2898	(Engines #201-358), 1904?		
223-CA-7818	#1900-3138; MK 1-7, P 7-13, 1920?		
223-CA-2951	4229 #4350-4758; S 1-4, 1903		
223-CA-20169	#4421-4752; S 5-6, 1917		

Also includes fronts & Extensions & sides for various engines

Cab Details	223, see note
Cab Fittings	243
Cocks, Valves, etc.	263
Crank Pins	293
Crosshead	303
Cock Valves, etc	263
Cock Rigging	273
Crosshead	303
Cylinder	313

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 3 (cont)

Cylinder Head	448-5872 b	
(follows Cyl. 333-CA-25046)		
Steam Pipes	333	
Dome 363		
Draw Gear – Engine	373	
Eccentric	393	
Engine – Truck	403	
Trailing Truck	413	
Erecting Diagrams	423	
CA-4448 Engines: 201-358 (poor)		Class: C-57 22/30 187 (1904)
CA-4448 (Spec. Standard)		C-9 (1904
CA-4564 (Obsolete 1928)		P77 17-28/28/144 (1905)
CA-4648 (Obsolete 1928)		A81 16/27/28/110 (1905)
CA-10074 4401-4926		
Erecting Diagrams	433	
CA-3733 4000 Gal. Switch Tender (1904)		
CA-6520 & 21 9000 Gal. Cyl. Tender (Freight), 1907-1913		
CA-6845 & 46 9000 Gal. Cyl. Tender (Pass.), 1910-1928 9-C		
CA-20490 4500 Gal. Switch Tender, 1917-1928		
Exhaust Pipe	443	
Fire Door & Arch	453	
Frame	463	
Frame Details	473	
(463 & 473 intermixed)		
Guides	503	
Grate Details	513; 521; 523	
Handrails & Steps	533	
Headlight, No. Plate, etc.	543	

Roll 4

Injector & Feed Water Heater	563
Lagging & Jacket	573

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 4 (cont)

Link Motion	583
Oil Cups & Lubricators	603
Oil Burning Equipment	613
Pilot	623
Pipe Fittings	633
Piping Engine	643
Piston	653
Power Reverse	683
Piping Engine	643
Piston	653
Reverse Gear	683
Reverse Shaft	693
Rocker – Rock Shaft Assembles	703 (Engines 5040-7869)
Running Boards – Engine	71
Mainrod	CA-296
Rods	723
Sander Details – Sand Box	733
Smoke Box	743
Smoke Stack	753
Spring Rigging	773
Steam Gauges	793
Steam Pipes & Superheater	803
Stoker	813
Tank Valve	823
Tender Piping	833
Tender Brakes	843
Tender Frame	853
Tender – Draft Rigging, Draw Gear	863
Tender Handrails, etc.	873
Tender Tank	883
Journal Box 7” x 14” Journal	P-140 & P354
National Journal Box 7 x 14	SA-9743
Pedestal A.A.R. Coiled Spring Lid	
Axles – Tender Truck 7 x 14	111-CO-1
Couplers AAR Standard Type E	124-3-367



RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 4 (cont)

6 ¼ x 8 inch Shank, Top Operating Car Axles with 6 x 11 journal	111NW-B12525
Boxes Truck 7 x 14 Dust Guard	171-CO-13
Ibid, Journal	
Bearing Wedge	
Tender Truck	893
Throttle & Dry Pipe	913

Roll 5

Throttle & Dry Pipe	913
Buda Code Bearing Jacket (#122)	933
Piston Valve	943
Wheels – Driving	953
Whistle	963
(2 drawings among 953)	
Whistles	
963-CA-22994, 1927 (with 953's)	
Air Whistle (Strombos) Application, used on locos. when specified	
963-CA-23236, 1928 (with 953's)	
Hancock Chime Whistle, Drawing #B-454-200	
963-CA-28351	
Whistle lever in Cab, 1941: FEF-1 800-819	
963-CA-29445	
Whistle Rigging Arrg't, 1941	
4884-1-2, 4000-2024; 4664-3-5, 3930-3999	
963-CA-32667	
Whistle Rigging in Cab, 1946: CSA 1-2, 3800-3839	
963-CA-33988	
Application of Whistle, 1952: FEF-1, 800-819	
963-CA-34045	
Application of Whistle, 1953: FEF-2, 820-834	
Figures, Letters, Misc., 1904-1937	993
Shop Tools & Practices	094

RG3761.AM Union Pacific Railroad Company  
 Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 5 (cont)

Ash & Fire Pan		104-107; 114		
Boiler Equipment (1912-1913)		CA-9458		
Boiler Equipment (1920)		CA-9458		
Boiler Equipment (2245-2708)		134-CA-9457		
Boiler	P77 25/28 167 S	134-CA-9458		(1912)
Boiler	MK-6	134-CA-9457	2245-2708	
Boiler	MK-6	134-CA-9457-Alt	2245-2708	(1912)
Boiler Elevation	MC-2	134-CA-20780	3600-3644	(1931)
Boiler	TTT 4-5	134-CA-20948	5015-5414	(1920s)
Boiler Elevation	SA-C 3-5	134-CA-21302	3515-3569	(1928)
Boiler Sections	SA-C 3-5	134-CA-21302	3515-3569	(1928)
Boiler Sections	MT 1-2	134-CA-21471	7000-7039	(1936)
Boiler Elevation	MT 1-2	134-CA-21600	7850-7869	(1922)
Boiler Sections	MT 1-2	124-CA-21601	7850-7869	(1922)
Boiler – Firebox	S-2	134-CA-22739	4360-4400	(1926)
Boiler Plate	FTT-2	134-CA-22998/99	8800-8808	(1927)
Boiler – Firebox	S-1	134-CA-23286	4234-4930	(1928)
Boiler Elev/Sec	MacA 2-5	134-CA-23306	1930-2732	(1925)
Boiler Details				
(intermixed w/elevation & sections following)				
Boiler Elev/Sec	FEF-2	134-CA-27091/92	820-834	(1939)
Boiler Elev/Sec	4884-1	134-CA-28602/03	4000-4019	(1941)
Boiler Elev/Sec	CSA-2	134-CA-29632/33	3915/3939	(1942)
Boiler Elevation	4664-3	134-CA-29802	3950-3969	(1942)
Boiler Sections	4664-5	134-CA-31502	3930-3949	(1944)
Boiler Details for 4664-5		144		
Boiler Details		134		
Boiler	TTT 1, 3	136-CA-20276	5000-5014	
Boiler Sections	MC-2	136-CA-20781	3600-3655	(1918)
Boiler Elevation	MK 9-10	136-CA-21402	2295-2564	
Boiler Elevation	MT-1	136-CA-21471	7000-7039	
Boiler Elevation	TTT 6-7	136-CA-21660	5040-5524	(1924)
Boiler, Nicholson Thermic Syphen		136-CA-21679	5085-5089	Obsolete
Boiler, Nicholson Thermic Syphen				
	MC-57	136-CA-21831	3556	(1924)

RG3761.AM Union Pacific Railroad Company  
 Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 5 (cont)

Boiler	Elevation	UP 1-2	136-CA-22402	9000-9014	
Boiler	Elev/Sec	MC 6 & 6-A	136-CA-22764/65	3645-3664	(1920s)
Boiler	Elev/Sec	FTT-1	136-CA-22112/13	8000	(1925)
Boiler	Elev/Sec	FTT-2	136-CA-22852/53	8800-8808	(1926)
Boiler	Com Std		136-CA-23002	2880-3133	(1914)
Boiler	Com Std	P-13	136-CA-23011	2900-2909	(1912)
Boiler	Com Std	MK 1-2	136-CA-23303	1900-2209	(1928)
Boiler		MK 8	136-CA-23304	2280-2320	
Boiler		MK 7-8	136-CA-23305	2166-2735	(1928)
Boiler		MK 6	136-CA-23307	2245-2708	(1914)
Boiler	Sections	UP-3	136-CA-23439	9015-9062	
Boiler	Elev/Sec	UP-4	136_Ca-24098/99	9030-9054	(1930)
Boiler	Elev/Sec	UP-6	136-CA-24193/94	9078-9514	
Boiler	Elevation	CSA-1	136-CA-24905	3900-3914	Obsolete
Boiler	Elevation	FEF-1	136-CA-25710	800-819	(1937)
Boiler	Elev/Sec	CSA-2	136-CA-27750	3915-3939	(1940)
Boiler	Sections	UP 1-2	136-CA-22403	9000-9014	
Boiler Details			144		
Boxes – Driving			164		
Bolts, Studs, Keys			157		
Boxes – Driving, Truck			165-167; 174		
Brake Equipment			194-196		
Brake Equipment; Brake Engine			204-205		
Cab			224-227; 234		
Cabs:					
224-CA-33336	Alterations	CSA 1-2	3800-3839	1947	
224-CA-238		MK 8-10; MC 2-6; TTT 1-7; MT 1-2			
224-CA-21119		MC 4-5			
		TTT 5-6	3634-7039		
		MT-1			
224-CA-31968		FEF-3	835-844	1944	
224-CA-22156	Book Spec.	FTT 1-2	8000-8808	1925-1936	

RG3761.AM Union Pacific Railroad Company  
 Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 5 (cont)

Cab Details	Prefix 224			
224-CA-?	MC2-3	3600-3629	1920s-1930s	
224-CA-?	MC-6; TTT-7; MT2		1920s-1930s	
224-CA-33793	UP 4-5	9030-9514	1929-1936	
224-CA-28608	4884-1	4000-4019	1941	
224-CA-22439	UP 1-3	9000-9707		
224-CA-20278 (poor)	TTT 1-4	5000-5305		
	MK-8	2166-2320		
	MK 9-10	2295-2564		
224-CA-31623	4884	4020-4024	1944	
(see 243-CA-29197, Deck, 4000-4024, 1941)				
226-CA-24918	CSA 1-2	3800-3839	1936	
226-CA-32388	2882	3570-3599	1945	
226-CA-27598	FEF-2	820-834	1939	
Cab Details	Prefix 234			
Tenders:				
424-CA-20325?	Bk D	MK-63 (partially obscured)	1918 equip	
424-CA-? (Ref. Back 424-CA-9493)	P 7-10	2860-32__		
424-CA-33600	FEF-2	824	1949	
(Replacement 1 <sup>st</sup> & 2d Boiler Courses)				
426-CA-24903	Sections	CSA-1	3910-3914	1936
(Sellers Exhaust Steam Injector)				
	Elev/Sec	MK-2 (poor)	BLW Erecting Co. #7440	
426-CA-24301	Sections	UP-5	9078-9514	1930
425-CA-22400	Elevation	UP-1	9000	1926-1936
426-CA-23051				1920s
426-CA-?	Obsolete	MC 4-5	3635	
426-CA-33735	Front End	CSA 1-2	3800-3839	1951
426-CA-22401	Sections	UP 1-2		1926-1931
426-CA-?	Elevation	UP-3	9015-9062	

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 5 (cont)

Tenders (cont)

434-CA-26432	10,000 Gal.	1928
434-CA-21820	12,000 Gal. Cyl. (Pass)	
434-Ca-20586	10,000 Gal. Cyl. With Duplex Stoker	1918-1928
434-CA-28604	25,000 Gal. 25C-1 (Elev.)	101-120 1941
434-CA-22804	12,000 Gal. (poor)	
434-CA-20850	12,000 Gal. Cyl.	
434-CA-21282	12,000 Gal. Cyl. (Freight) – ends obscured	1920s
434-CA-20470	9,000 Gal. Cyl. – ends obscured	1920s
434-CA-20990	10,000 Gal. – ends damaged, partially illegible	
436-CA-34070	Fuel Oil Tender for GTE Locos. (20C-2-205)	1955

Roll 6

Cab Fittings, Details	244, 246, 234, 236, 246
Exterior Equip. Enc. Door Fastner	204-ST-3521
Cocks, Valves, etc.	264, 274
Crank Pin	294-296
Crossheads	304
Cylinders (Diagrams)	314, 316
Dome – Top (7000-7869)	364
Draw Gear Engine	374, 376
Engine Truck	404
Trailing Truck	414, 204, 414, 424, 426, 414

Erecting Diagrams 434, 436

Diagram	434-CA-26432
12,000 Gal. Cyl. (Pass)	434-CA-21820
10,000 Gal.	434-CA-20586
Elevation – Tender (101-120)	434-CA-28604
Tender	434-CA-22804
12,000 Gal. Tender	434-CA-20850
12,000 Gal. Tender	434-CA-21282
9,000 Gal. Tender	434-CA-20170
10,000 Gal. Tender	434-CA-20990

Fuel Oil Tender for G.T.E. locos 436-CA-34070  
RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 6 (cont)

Exhaust Pipe	444, 446
Frame Diagrams	464
Frame Details	465-466, 474, 476, 474
Fire Door & Arch	454-456
Frame Details	464-466
Guides	504
Grate	524-526
Headlight Step & Supt. (3500-3805)	534
Handrails, Steps, etc. (3915-3939)	536
Boiler – Skeleton Bar (550-554)	541-A
Wiring	544
Headlight, Number Plats, etc.	544-546
Grate	524
Electric Wiring	544-546
Injector Feed Water Heater	564, 566

Roll 7

Injector & Feed Water Heater	564 & 566
Lubricator	604
Lagging & Jacket	574
Spring Rigging (517-518-524)	575 A
Steam Pipes F&B Engines 4000-4024	575-CA-29553
Boiler, Engine #528, O.S.L. RR	581
Link Motion	584, 586
Oil Cups & Lubricators	604-606
Oil Tank	614
Oil Burning Equipment	614-616
Pilot	624
Piping	634
Pilot	624
Pipe	634, 636
Piping Engine	644-647
Power Reverse Gear	684

1917

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 8

Reverse Gear	684-687
Reverse Shaft	694-695
Runboard Engine	714-716
Rods	724-725
Sand Box	734
Smoke Box	744
Sand Box	734
Smoke Box	744-746
Smoke Deflector	754, 756
Spring Rigging	774
Smoke Stack	756
Spring Rigging	774-776
Steam Gauges, etc.	794-795
Steampipe – Superheater	804, 806
Stoker	814
Drawing #5 this section Steam Pipe	805
Stoker Arrangement	816
Tank Valve Rigging & Details	824
Tender Piping	834, 836
Tender Truck Brake	844
Tender Frame	854
Tender Truck Brake	846
Tender Frame	854, 856
Tender Draw Gear	864
Tender Handrails, etc.	874-785
Tender Tank	884-886
Tender Truck–6 wheel arrg (Buckeye)	896-Ca-24319
Tender Truck	894

Roll 9

Throttle & Dry Pipe	914	
Tender Truck	894-896	
Throttle & Dry Pipe	914, 916	
Wheels	954-956	
Wheels – Tender Truck (Franklin)	926	9700-9706

Whistle Arrangement	964-CA-26271	800-819
RG3761.AM Union Pacific Railroad Company		
Subgroup 10 Mechanical Department		

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 9 (cont)

Steamlining Air Scoop	974	
Speed recorder	994	
Letters & Numbers	994-996	
Water Level Diagram 1.54% Grade	997-CA-28142	4000-4019

OBSOLETE

Ash Pan	101	
Axles	111	
Bell Fittings	121	
Boiler – Material Bill	130	
Boiler Details	141	
Bolts, Studs, Keys	150-151	
Boxes – Driving	161	
Boxes – Truck	171	
Brackets – Steam Gauge		
Brake Equipment	190	
Bumpers	211	
Cab Details	230-231; 240-241	
Cocks, Valves, etc.	260-261	
Cock Rigging	270-271	
Crank Pins	291	
Crosshead	300-301	
Cylinder Bushings	311	
Cylinder Castings	321	
Cylinder Valve	331	
Cylinder Relief Valve	341	
Dome	361	
Draw Gear Engine	370-371	
Obsolete	390-CA-28979	4000-4019
Eccentric	391	
Engine Truck	400-401	
Exhaust Pipe	441	
Fire Brick	451	
Frame	461	
Frame Details	470-471	



RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Obsolete (cont)

Engine Truck	401	
Engine Trailing Truck	410-411	
Exhaust Pipe	440-CA-28529	3600-3805
Exhaust	441	
Engine Truck	471	
Gauges & Templates	492	
Guides	501	
Grate	521	
Handrails & Steps	530-531	
Headlight, No. Plates, etc.	540-541	
Injector & Feed Water Heater	560-561	
Streamlining	571	
Link Motion	581	
Oil Cups & Lubricators	601	
Pilot	621	
Pipe Fittings	630-632	
Piston Rod Nut	650-CA-28523	820-834
Sprinkler Pipes & Ash Pan	641-CA-4527	
Piston	651	
Plugs	660-661	
Power Reverse	681	
Running Board	711	
Rods	720-721	
Sand Box	731	
Smoke Box	740-741	
Smoke Deflector	750	
Smoke Stack	751	
Springs	760-761	
Spring Rigging	770-771	
Steam Gauges, etc.	790-791	
Steam Pipe & Superheater	800-801	
Springs	761	
Spring Rigging	770	
Steam Pipe & Superheater	801	
Stoker	811	

RG3761.AM Union Pacific Railroad Company  
 Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Obsolete (cont)

Tank Hose			821	
Truck Brake – Tender			841	
Tender Frame			850-851	
Tender Draw Gear			860-861	
Tender Handrails, etc.			870-871	
Tender Tank – Coal Gate Hings			880-CA-30153	301-325
Tender Tank			881	
Tender Tank			890-891	
Throttle & Dry Pipe			910-911	
Booster			921	
Tools			931	
Steam Chest Valves			941	
Wheels & Tires			951	
Lettering & Numbering			991	
Boiler Drawings (Obsolete)			012-CA-24872	1936
Boiler Details – Stay Bolts			092	
Ash & Fire Pans			102	
Axles			112	
Bell			122	
Bells:				
122-CA-22070	1925	MC 4-6	122	3634-3805
		TTT 507		5040-5524
		MT 1-2		7000-7869
		FTT 1-2		8000-8808
122-CA-22076		Bell Ringer Bracket (1925)		
122-CA-22077	1925	P 7-13		
122-CA-22078	1925			3634-8808
Bell Details			122	
Boiler Details			142	
Bolts, Studs, Keys			152	
Boxes, Driving			162	
Boxes, Truck			172-173	
Brackets, Supports			182; 192	
Brake Equipment			202	
Bumper			212	

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Obsolete (cont)

Cab Details	232	
Cab Fittings	242	
Cocks, Valves, etc.	262	
Cock Riggings	272	
Crank Pins	292; 302	
Crosshead	302	
Cylinder Bushings	302; 312	
Cylinder Heads	322; 332; 342	
Dome	362	
Couplers – Draw Gear	372	
Eccentric	392	
Engine Truck	402	
Trailing Truck	412	
Exhaust	442	
Fire Door; Fire Brick	452	
Frame	462	
Frame Details	472	
Guides	502	
Grate	532	
Handrails, etc.	532	
Headlights, etc.	542	
Injector & Feedwater Heater	562	
Lagging & Jacketing	572	
Link Motion	582	
Oil Cups & Lubricators	602	
Pilot Bumper	622-CA-31141	835-4024
Pipe Fittings	632	
Piston	652	
Power Reverse	682	
Reverse Shaft	692	
Rock Shaft	702	
Running Board	712	
Rods	722	

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Obsolete (cont)

Sander – Sand Box	732
Smoke Box	742
Spring Rigging	772
Smoke Box	742
Smoke Stack	752
Springs	762
Spring Rigging	772
Steam Gauges, etc.	792
Steam & Superheater	802
Stoker	812
Tank	822
Tender Piping	832
Tender Brakes	842
Tender Frame	852
Tender Draw Gear	862
Tender Details	872
Tender	882
Tender Truck	892
Throttle & Dry Pipe	912
Throttle – Booster	922
Valves	942
Wheels	952
Whistle	962
Shop Marking	992
Wheels	952

Roll 10 Miscellaneous

1.	64-CA-22953	Stoker Elvin-Piping	800	Book D	(1925)
2.	#4329	O.S.L. RR Tool Car (Standard Writing Outfit)	4240-4922		
3.	None	Erection Drawing	5680, 5/12/1915	(Eng. vacated 1925)	
4.	CA-2305	Cab Fitting Arrangement		Book D	(1927)
5.	423-CA-9421	Erection Drawing	S-3 4735-4739 4912-1922 4240-4248		

RG3761.AM Union Pacific Railroad Company  
 Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 10 (cont)

6.	C-3700	Wiring 5400 HP	LA & SF	(1937)
7.	599-E	Track Motor Car Parts	Book Spec.	(1927)
8.	S.D.-222	Control Equipment (Diagrammatic Plan)	2 Speed Trains	(1924)
9.	46-CA-20565	Cradle (Commonwealth Steel Company)	MK83 26/28 214 SD Bk, D	
10.	DSE-24-H	Brake Valve		

Oregon Short Line Railroad

F-1463	Boiler Elev.	2555-2565	(1923)
F-644-A&B	Engine Erection	560-622	(c.1920)
F-7129	Boiler Elev.	2535-2554	(1922)
F-2271	Drum Stencil, Yellowstone Special		(1924)
F-7723	Driving Brake Foundation, U.S. std	4753-4757	
F-704-A	Boiler – Radial Stay Type	560-622	
1103	Standard Caboose Car	3029-54	(1899)
209	Erecting Card (old nos. S483-587) (Cooze Loco. Co. Drawing #2490)	4725-4729	(1915)
3994-A	Erecting Diagram, 915	2000-2014	(1915)
F-7634	Spring Rigging Details	2535-2554	(1920)
F-125-A	Engine Truck J, 1904	1503-45	
Frame Cradle, 1922 U.S.R.A.	F-7480	2535-2554	
Driver Brake Foundation, 1921 U.S. Std	F-7717	2535-2554	
Erecting Card, 1913	3967-A	525-539	
Radial Stay Boiler, Old 750 Class, 1915	244-B	1554-1561	
Erecting Diagram, 1920	F-212-A	1572-1583	
Erecting Diagram, 1918? Class	F-608	550-554	
Erecting Card, 1913	3944-D	511-523	

UPRR – Void Drawings

B & S.D. prefixes – Wiring, 1924-1932

Axle #7 – Coach Emigrant Dinkey

Freight Caboose Car, 2/24/1888

Tender, 21,000 & 23,000 Gas

Folio #53, sheet #7

3570-3599

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 10 (cont)

Erecting Diagrams:

424-CA-7860	1931	Mac-1	1900-2140
424-CA-8918	1913	Mac-3	2200-2206
424-CA-9494		Mk-4-6	2210-2732
424-CA-9494		Mk-5-7	2700-2735
424-CA-20410	1935	Mac-7	2600-2735
424-CA-20480	1931	P-13	2900-2909 (Elev. & Sections)
424-CA-20588	1918	Mk-8	2166 (O.W. RR)
424-CA-21193	1922	Tender	12,000 Gal. (Pass)
424-CA-21400	1925	MK-9-10	2295-2564 (Elevation)
426-CA-21650	1933	TTT-6	5040-5514 (Engine)
424-CA-22747		MC-6-A	3064 (Obsolete)
424-CA-26971	1939	FEF-2	820-834 (Sections)
424-CA-28489	1941	SA-C-2-6	3500-3569 (Elevations)
424-CA-28490	1941	SA-C-2-6	3500-3569 (Section)
424-CA-26970	1939	FEF-2	820-834 (Elevation)
424-CA-28150	1941	FTT-1-2	5090-5099 (Elevation)
424-CA-28151	1941	FTT-1-2	5090-5099 (Section)
424-CA-31728	1944	1884-2	4020-4024 (Elevation)
424-Ca-31729	1944	4884-2	4020-4024 (Section)
424-CA-32125	1944	FEF-3	835-844 (Elevation)
424-CA-32126	1944	FEF-3	835-844 (Section)
424-CA-32376	1945	2882	3570-3599 (Front Elevation)
426-CA-20115	1924	S-5	4421-4752 (Elevation)
426-CA-20116	1917	S-5	4421-4752 (Section)
426-CA-20300	1936	TTT 1-3	5000-5529
426-CA-20301	1936	TTT 1-3	5000-5529
426-CA-21000	1936	TTT-4	5015-5039 (Elevation & Sections)
426-Ca-21200	1931	MT 1-2	7000-7869 (Elevation)
426-CA-21201	1931	MT 1-2	7000-7869 (Section)
426-CA-21300		Common Standard Elevation, Obsolete	
426-CA-21301		MK 63 26/28 SD (Sections)	
426-CA-21401		MK 9-10	2295-2564 (Sections)
426-CA-21550	1936	TTT-5	5400-5414

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 10 (cont)

Erecting Diagrams (cont)

426-CA-21640		MC 4-5	(Elevation)
426-CA-21860	1917	TTT-7	5515-5524
426-CA-23364	1917	S-6	4243-4480 (Elevation)
426-CA-23365	1917	S-6	4243-4480 (Section)
426-CA-24902	1936	CSA-A	3910-3914 (Elevation)
Exhaust Steam Injector (Sellers)			
426-CA-25500	1937	CSA-2	3915-3939 (Elevation)
Worthington F.W.H.			
426-CA-25700	1937	FEF-1	800-819 (Elevation)
426-CA-25701	1937	FEF-1	800-819 (Section)
434-CA-33028	1946	19C 1-2	101-225 (Elevation) – Tender

Drawings for M9-16, M36-41; T-10 thru T-19  
Drawings # prefixes 113-673

Performance Test

Includes Tests for Illinois Central Loco. #1742  
Baldwin Locomotive #6000  
Standing Test Loco. #7851

Soft Grease Lubrication 602

Welding Manual Drawings – Obsolete

Defective Machinery Sheets

Wiring Books 1 & 2

Relation Figures

Miscellaneous Drawings:

Western Electric & Mfg. Co., Pittsburgh Type M Graphic Instruc.#419964, n.d.	261-EE, Book 1
UP C. Std. Pulley for Speed Recorder, n.d. (obsolete, see 653-EE)	260-EE, Book 2
Headlight Armature Box, 1913	288-EE, Book 2

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 10 (cont)

Miscellaneous Drawings (cont)

Western Electric & Mfg. Co., Pittsburgh Type M Graphic Instruc.#419964, n.d.	261-EE, Book 1	
UP C. Std Pulley for Speed Recorder, n.d. (obsolete, see 653-EE)	260-EE, Book 2	
Headlight Armature Box, 1913	288-EE, Book 2	
Application of Headlight Guard Wedge Snow Plows	314-EE, Book 2	1915
Cab Lights for Engines, 1917	352-EE, Book 2	1917
Case for Transportation Headlight Dynamo Coils	362-EE, Book 2	1918
Wiring for Classification Lamps	367-EE, Book 2	1918
Loco. Dept. Organization, Council Bluffs Roundhs	479-EE, Book 2	1921
Organization, Junction City, KS Rndhs, 20 stall	480-Ee, Book 2	1921
Organization, Evanston, WY Terminal, rndhs 28 st.	481-EE, Book 2	1921
Location of Electric Headlight Equipment	210-EE, Book 2	1911
Car Arden Office of Electric Engine	9-EE, Book 1	1908
Wiring Motor Car #7	7-EE, Book 1	1908
MP&C Dept. Org., Green River, Wyoming	482-EE, Book 2	1921
MP&C Dept. Org., Rock Springs, Wyoming	483-EE, Book 2	1921
MP&C Dept. Org., Rawlings, Wyoming	484-EE, Book 2	1921
Application of Angle-Iron to Dynamo Car Lockers	485-EE, Book 2	1921
MP&C Dept. Org., Evanston, Wyoming	487-EE, Book 2	1921
MP&C Dept. Org., Council Bluffs, Iowa	488-EE, Book 2	1921
Wiring Diagram Electric Truck (see 483-EE, Book 2, 1924)	493-EE, Book 1	1921
Wiring Diagram Electric Truck	493-EE, Book 2	1924
Insulating Block Washer – signal Switch Cont.	502-EE, Book 2	1921
Floor Plan-Light Fixtures – Business Car #176	512-EE, Book 1	1922
Switchboard	516-EE, Book 2	1922

Locomotive Counter Balance Folio

Piping Folio For Automatic Train Control

Heat Treatment of Steel, UPRR Std. Shop Practice Folio, 1929

Common Standard Tinware Folio Negatives (Destroyed, Target only)

Air Brake Tools & Gauges – UPRR – Obsolete, 1925-1931



RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 10 (cont)

Wiring & Special, Books 1-3 & Special Including:	
Pacific Coast Limited Drumhead Indicator, 1921	499-EE, Spec.
Sioux City Shrine Spec. Drumhead Indicator, 1922	517-EE, Spec.
Los Angeles Ltd. Lettering, Drumhead Indicator, 1913	1184-EE, Book 3
Overland Ltd Lettering, Drumhead Indicator, 1913	1185-EE, Book 3
Pacific Ltd Lettering, Drumhead Indicator, 1913	1186-EE, Book 3
Continental Ltd Lettering, Drumhead Indicator, 1920	462-EE, Spec.
Wiring – UP Car “Overland,” 10/1/1915	101
Colorado Special Drum Indicator	498-EE, Spec.
UP System Athletic Special Drum Indicator	
Index to Drawings Books 1-3 & Special	
Lettering for Drum Indicator, 1921	495-EE, Spec.
Lettering for Drum Indicator, 1921	496-EE, Spec.
Electric Wiring Locomotives, 1916	303-EE, Book 3
Plans of New Car Shops, Omaha, Nebraska, July 1, 1882	
McKeen Motor Car Wiring, 1924	554-EE, Book 3
Electric Wiring – Dining Cars, 1924	588-EE, Book 3
Electric Light Fixture – Passenger Cars	649-EE, Book 3
Portland Ltd, Lettering Drum Indicator, 1923	536 , Spec.
Colorado Express Lettering Drum Indicator, 1921	497 , Spec.

\*Drawings following mostly obsolete or not issued.

Valve Gear Diagrams & Gauges  
Method of Weighing Wheels, 1940 (2860-3181, etc.)  
097-CA-27420 Shop Tools, 1940  
Locomotive Counterbalance Folio L-95-2, 1940-1948  
Locomotive Valve Gear  
Diagrams – Gauges  
Spring Rigging  
Shop Tools Practices (incl. prefixes 931)  
Mars Signal Light Co. Drawings

775

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 10 (cont)

Miscellaneous, including:

Layout of Proposed Elect. Rotary Snowplow, 1953  
Tender Erecting Diagram 434-CA-33217, 20-C 1-2 (101-215), 1947  
Joslyn Art Gallery “D,” Floor Plan, n.d.  
Erecting Diagrams – Tenders:  
434-CA-26960 23-C 1-2 (101-210), 1939 (Elevation)  
434-CA-21851 12,000 Gal. Cyl. (Freight), 1924  
Utah Parks Spec. Drum Lettering, n.d.d 658-EE  
606-CA-26823, Oil Tank for 12,000 Gal. Tenders 2/4 & 6-Wheel trucks  
434-CA-31171, Tender Elevation, 1944  
with 6-wheel trucks increased to 15,000 Gal.

Drawings for Engines 3570-3599	540-891 prefixes
ibid	23, 171-172, 371-372
Drawings for Engines 3670-3674	171-373, 823-893
Miscellaneous Drawings	
Miscellaneous for 800's Engines	104-954
Drawings for Engines 3570-3599	841
Train Control Equipment	
Track Layouts	1821

Miscellaneous including:

433-CA-9075, Tender – Special Drawing, 9000 Gal. Rect. Tender  
433-CA-5167, Erection Diagram  
433-CA-5156, ?  
891-CO-644, 23,000 Gal. Tender, 3570-3599  
433-CA-5167, Tender Erection, 10,000 Gal. (poor condition)  
Mixed Drawings for Engines 3570-3599 & 3670-3674

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 11

Mixed Drawings (cont) including:

884-00-71, 21,000 Tender  
Tender Tanks, 21,000 & 23,000 Gal.  
18,000 Gal. 3670-3674  
16,000 Gal. 3670-3674  
23,000 Gal. 3570-3599

Drawings for Engines 2295-4757

Sheets 414-503  
51-54  
95 & 97  
142  
222-260  
324, 350, 355, 366  
413  
515-595  
603-2088

Drawings for Engines 2480-4757

Miscellaneous Drawings, All Classes, Sheets 40-2514 & CA-8600's  
Misc. CA-8700's-8919

Misc. Drawings for Engines 2480-4757, sheets 510-806  
ibid, Book C, Sheets 806-2522

Cock Rigging 283  
Engines 2480-4757 142-912  
Sheet 165-2523 (Oil Pipe Fittings)  
Sheet 37 (Piston Valve) – 421 (Bell)  
Sheet 443, Bk D (Smoke Stack) – 633 (Throat)  
Sheet 699, Bk D (Tank Well) – 2515, Bk D (Steam Chest Cover)

CA-2614 (30" Engine Truck Wheel) – A-2699 (Main Conn. Side Rod)  
CA-2704 (Steam Chest) – CA-2790 (Reverse Lever)  
CA-2817 (Smoke Box Front) – CA-2899 (Cylinder 22" x 30")  
CA-2900 & 2901 (Boiler Elevation) thru 2987 (Reverse Shaft)  
CA-3005 (Mud Ring) – CA-3059 (Steam Heat Hose)  
CA-3114 (Steam Heat Gauge) – CA-3190 (Mud Ring)

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 11

CA-3210 (Hand Rail Details) – CA-3298 (Boiler Lagging)  
CA-3304 (Steam Chest Valve) – CA-3397 (Foundation Brake)  
CA-3400 (Foundation Brake) – CA-3458 (Eng. Truck Boster)  
CA-3654 (Jacketing Tol Boiler) – CA-3698 (Air DlumLoegtional)  
CA-3734 (Boiler Bracing)  
CA-3848 (Guide Bearer & Knee) – CA-3862 (Grate Wro't Iron Detail)  
Ca-3897 (Oil Regulator)  
CA-3934 (Steam Pipes) – CA-3946 (Exhaust Pipe)  
CA-3949 (Driving Box) & CA-3963 (Electric Headlight Wiring)  
CA-4300 (Body Centre Plate) – CA-4397 (Driver Brake Details)  
includes: CA-4351 Erecting Diagram, 9,000 Gal. Tender  
CA-4400 (Guides Bearer Knee) – CA-4487 (Journal Bearing Wedge)  
includes: CA-4448 Erecting Diagram  
CA-4452, 7,000 Gal. Cyl. Tank  
CA-4453, 7,000 Gal. Erection  
CA-4500 (1/2" Reducing Valve Strainer) – CA-4595 (Oil Piping Arrg't)  
includes: CA-4594 Erecting Diagram  
CA-4604 (Handrail Arrg't) – CA-4694 (Low Pressure Connecting Rod)  
includes: CA-4594 Erecting Diagram  
CA-5487, Center Bearing Arch  
CA-5507 (Cab Bracket) – CA-5548 (Handrail Arrg't)  
CA-5146 & 47, Cy7lindrical Tanks  
CA-5525, Tender Frame  
CA-5154 (Vestidule Diagram) – 5193 (Rock Rod)  
CA-5585 (Slide Rigging) – CA-5597 (Cinder Hopper Pipe)  
CA-5617 (Engine Truck Box) – A-5699 (Jacketing for Boiler)  
CA-6240, Seat Angles  
CA-6241-6502, Missing  
CA-6503 (Engine Truck Brake Details) – CA-6591 (Air Drum Location)  
CA-6603 (Mud Ring) – CA-6698 (Dry Pipe Hanger)  
CA-6704 (Fire Pan Damper Rigging) – CA-6799 (Driver Brake Details)  
CA-6817 (Connecting Rods) - CA-6898 (Jacketing for Boiler)  
CA-6900 (Power Reverse) – C-6991 (Reverse Lever Rods)  
CA-7500 (Air Pump Throttle Valve – CA-7598 (Hose & Couplings)  
CA-7604 (Cylinder Heads) thru CA-7698 (Trailing Truck Box)  
CA-7709 (Casing for Snakes Box) – CA-7797 (Reverse Link Bearer)  
CA-7801 (Trailing Truck Box) – CA-7840 (Fire Brick Arch)

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 12

Oregon Railroad & Navigation Co.

A-4123 – Locomotive & Tender Pattern – Folio Sheet  
Index to Drawings for Engines 330-343 – Simple  
A-1006 (Smoke Stacks 16”) – A-1018 (Front Coupler Eng’s 25-26)  
A-1258 (Driving Spring, 25-26) – A-1279 (Pedestal Binder)  
A-2279 (Pilot Draw Bar Yoke, #s 339-343)  
A2461 (Driver Brake Details #s 710-724)  
A2476 (Crosshead Oil Cups, #s 300-314)  
A-3470 (Ash Pan) thru A-3497 (Fire Brick)  
A-3513 (Stack) – A-3599 (Wheel & Axle Dimensions)  
A-3600 (Smoke Stack)  
A-4026 (Trailing Box Pedestal) – A-4083 (Trailing Truck)  
A-4111 (Spring Stop) -0 A-4154 (C.S. Valve Yoke)  
A-3807 (Spring Gear) – A-3858 (Great Plug for Conn. Rods)  
A-4006 (Pilot sill step) – A-4026 (Training Box Pedestal)  
A-3606 (Swipe castings for Ash Pan) – A-3658 (Back Flue Sheet)  
A-3802 (Radius Bar Crosstie) – A-3806 (Trailing Truck Springs)  
A-4169 (Equalizing Beam) – A-4196 (Springs)  
A-4218 (Furnace Bearer – Coal Burning Locos. 339-343)  
A8646 (25” Piston & Rod) – A-8698 (Guide York Brace)  
B-2417 – Section of Tire – Tender Trucks  
B-3535 – Section of Engine Truck Tire  
B-3593 – Steam Hose & Piping for Tenders (Pass)  
B-4019 (Hand-holds, 9000 Gal. Rect. Tender) – A-4025 (ibid, 6000)  
B-3644 – Oil Tanks, Size & Capacity  
B-8673 – Coal Capacity of 4000 Gal. Switch Tender  
M-1807 – Back Header – Babcock & Wilcox Boilers  
M-3642 (Chain for Flue Cleaners)  
M-3498 – Raw Hide Pinion  
M-3665-Water Pump Piston Rod  
M-3667 – Valve Trams  
M-4212 – Flue Beading Tool  
D-8403 – Location of Retaining Valve & Signal Stop Cock  
A-8408 (Eng. & Fireman’s Seat) – A-8493 (Trailing Truck Ped.)  
A-8510 (Pipe Hanger) – A-8599 (Position of Steam Gauge)  
A-8610 (Wiltbonco Water Glass) – A-8699 (Flue)

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 12

Oregon Railroad & Navigation Co. (cont)

A-8706 (Mandril for Bronzing) – A-8798 (Valve Stem Guide)  
A-8841 (Counter Balance Plates) – A-8824 (Crosshead)  
A-1330 (Firebrick)  
A-1497 – National Headlight Electric Co.  
A-1673 – Pipe for Valve Steam 179-184  
M-2966 – Standard Taper Loco. Frame Reamer  
A-2968 – Steam Chest Heads  
B-2974 (Capacity Chart for Oil Tank) – A-2993 (Female Center Cast.)  
A-2979 – Front Cylinder Head  
A-2986 – Oil Cup  
B-2993 – Female Center Casting  
A-3000 (Front Foot Plate) – A-3098 (Main Rods)  
A-3122 (Fire Brick) – A-3179 (Fire Box Support)  
A-3203 (Frame Brace & Boiler Support) – A-3299 (Piston rod nuts)  
A-3304 (Compression Dope Cup) – A-3391 (Ash Pan)  
A-3456 (Guide Yoke Knee)  
A-5225 (Extension Tap-) – B-5263 (Signal Lamp Boxes)  
B-5418 (Nut, Tank Hose) – F-5494 (Rod, Mudge-Adams Motor Car)  
B-5561 (Loco. Tender Manholes) –  
A-5621 – Draw Bar Pin (2100-3802)  
Piston Rods & Crank Pins Drawings  
Axle Drawings  
Misc. A742, A1031 – A1059  
Grates  
B-3201 – Oil Tanks, Corvallis & East. RR Eng. #1  
A-3202 (Ash Pan) – A3298 (Wade NickolsonHowwowBrich Arch)  
A-3301 (Wade Nickolson) – A-3333 (Cylinders)  
A-3804 (Ash Pan) – A-3838 (Bioler, Eng. 170-173)  
A-4065 (Ash Pan) – A-4098 (C.S. Shop Markings)  
A-4107 & 4108 – Saybolt, etc.  
A-4114 (Boiler) – A-4199 (Grates)  
A4200 (Boiler) – A-4297 (Boiler/Cross Section, old 170-173)  
A-4300 (Eccentrics) – A-4388 (Fire Brick Tubes)  
A-4401 (Boilers) – A-4486 (Smoke Box Arrg't)

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 12

Oregon Railroad & Navigation Co. (cont)

A-4500 (Boiler/Long. Section) – A-4568 (Ash Pan)  
A-4694 (Elec. Headlight Wiring) – A-4795 (Engine Truck Box)  
A-4808 (Brick Arch) – A-4860 (Brick Arch)  
A-4937 (Front Frames) – A-4998 (Ash Pan)  
A-5015 (Driver Brake) – A-5085 (Smoke Box arrg't)  
A-5200 (Smoke Box arrg't) – A-5245 (R.I. Smoke Box, 1114-1123)  
B-4012 (Tank Valve Arrg't) – B-4291 (Details of Oil Tank)  
B-5164 & 4192 – Tender Details  
B-5253 (Sloping Bottons) – B-5310 (Sloping Bottons)  
A-5431 (Driver Brake Details) – A-5495 (Oil Burning Arrg't)  
A-5559 (Front Frames) – A-5599 (Grate Arrg't)  
A-5600 (Ash Pan) – A-5694 (Smoke Box Arrg't)  
A-5700 (Smoke Box Arrg't) – A-5723 (Cab Bracket)  
A6697 (Rods) – A-6743 (Heffron Draft Regulator)  
A-6837 (Steam Pipes) – A-6997 (Frame)  
A-7036 (Tube) – A-7077 (Boiler Cross Section, 3200-3217)  
A-7119 (Steam Pipes) – A-7142 (Boiler Bearing)  
A-7373 (23 x 28 cylinder) – A-7399 (Steam Pipes)  
A-7403 (Fire Box) – A-7499 (Connecting Rods)  
A-7517 – Operating Valve for Smoke Stack Hood

San Pedro, Los Angeles & Salt Lake RR

Drawings A-3 thru A-2493  
Drawings A & B-2572 thru A-3798  
Drawings A-7021 thru A-8716  
Misc. Drawings in range A-534 – A-7432  
Misc. Drawings: A-5 (Bell & Yoke) – A-276 (Driver Brake)  
Misc. in range A-420 thru A-3842  
B-8165 – Tender Truck Spring, 12,000 Gal. Tender, 6-wheel truck  
B-5128-2 Full Capacity of Tender thru B-5129-1 (ibid)  
A-5046, 5069, 5071  
A-7207 & 08 – Baldwin Consolidation #741  
A-7213 & 14 – Baldwin 8-wheel #1106

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 12

San Pedro, Los Angeles & Salt Lake RR (cont)

A-7219 & 20 – Pittsburg & Rome Eight Wheel #s 1122-1123  
A-7221 & 22 – Manchester 10-wheel #s 1704-1707  
A-7256 & 46 – Baldwin Mikado #2133  
A-7251 & 52 – Baldwin Mikado #2133  
A-7255 & 56 – Baldwin Pacific #3200  
A-7281 – American Loco. Works Mallet #3620-3629; 3803-3805  
A-7289 (Cooke Switch for #4900)  
A-7959 thru 7961 – Crank Pins  
A-8068 & 69 – Baldwin Atlantic with Booster #3510  
A-8410 – Trailing Truck Spring  
A-8738 (Driving Spring) – A-8746 (Lateral Motion Spring)  
A-357 – Details Misc. #1207-1215  
A-2946 – O.R. & N. Co. Locomotives  
A-3394 (Coal Gate) – A-3399 (Coal Gate)  
A-3400 (Coal Gate) – A-3409 (Coal Gate)  
A-4349 – Crank Pins  
A-6708 – Loco. Driving Springs, #700-704  
A-7022 (Enginemen's Seat Cushion Spring) – 7040 (Driving Spring)  
A-7361 (Driving Spring) – A-7364 (Spring)  
A-7824 (Driving Spring) – A-7936 (Driving Spring)  
B-8165 – Tender Truck Spring for 12,000 Gal. tenders – 6-wheel  
A-8306 – Cradle  
A-8337 – Booster Arrg't  
A-8430 – Boiler, #3800-3802  
A-8435 – Spring Rigging, 2100-2171  
A-8452 – Cradle, 2100-2171  
A-8487 – Feed Water Heater, 5400-5414  
A-8571 – ibid  
Misc. Drawings in range A-1245 – A-8267



RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 1 Steam Locomotive Drawings

Roll 13

Oregon, Washington, RR & Navigation Co. Drawings

Includes:

- B-1077 – Details for 4,000 Gal. Tender
- B-1087 – 4,000 Gal. Tender
- B-1120 – Standard 2600 Gal. Tank
- A-1150 – Standard Lettering for Loco. Car Full Size
- B-1223 – Standard Figures for Loco. Tender Back
- B-1224 – Standard Figures for Loco. Tender Sides
- B-1225 – Standard Figures for Loco. Sides
- A-1231 – Boiler, Standard 10-wheel Engine
- A-1233 – Cab
- A-1242 – Cab, Standard 10-wheel Engines
- Drawings in range A-3844 thru A-8845

NOTE: A more detailed roll by roll description is available shelved with the collection.

Series 3 Miscellaneous Rolls 1-3

Drawings arranged numerically by Drawer numbers & alpha by subject

Roll #1

- Common Standard & Research & Mech. Standard Drawings
- Drawers #1, Drawing #1 thru Drawer #5, Drawing #668

Drawer #1, Drawings, 1904-c.1940's

Includes:

- Comm. Std. Lettering/Medallions, 1904-1936

Drawer #4 includes:

- #22: General Design, 10-Wheel Compound, 1901, Drawing 100, Bk Special  
: Union Pacific Locomotive Car, January 31, 1903
- #32: Loco. Boilers, Nos.& Working Pressures, 1922, #5526-A, Bk Spc.
- #33: UP Pilot Snow Plow, 2/3/1917; #4489, Bk Special
- #45: UP 30'-6" Double Track Snow Plow Car, 8/14/1917; #5000, Bk Spec.

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 3

Roll 1 (cont)

Drawer #4 (cont)

#48: Wedge Snow Plow/Flat Cars, 3/15/1913; #4545, Bk Special

#53: Snow Plow, November 21, 1907; #3335-A, Book 463

Drawer #4 also includes other Snow Plow Equipment

Drawer #5 includes Comm. Std & Research & Mech. Std Drawings arranged alphabetically by subject. Of special mention is:

#126: Signal Whistle for P 7-13 & MT 1-2, May 23, 1943 (Research & Mech. Standard)

#175: C.S., Bell Stand for FTT-1, September 8, 1922

#415 begins A subjects over, c.1940's

Roll #1

Union Pacific Railroad Company Drawings, 1901-1927

Drawer #5, #668 thru Drawer #8, #62

Of special interest:

Drawer #5

#805: Application of 9000 Gal. Cyl. Tenders to Light Pacifics, 6/14/1918

#808: Drawing #903, Bk 307; 10 Horse Power Pump Boiler, 4/10/1903

#809: Drawing #904, Bk 307; 20 Horse Power Pump Boiler, 4/10/1903

Gas Motor Car Drawings

Snow Plow Equipment

#s 949-998: Omaha Shop Drawings, 1906-1911

#999: Laramie Rolling Mill, 1906

#1000: Kearney Shops, 1906

#1002: End of Drawer #5

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 3

Roll 1 (cont)

Drawer #6, Drawings #1 thru #282

Special Interest:

	<u>Engine Nos.</u>	<u>Dates</u>	<u>Drawing #</u>	<u>Book</u>
#72 thru #92 – Boilers				
#72: Illegible				
#73: Boiler	476-492		715	458
#74: Boiler	1320-1359	1927-1928	133-L-360	
#75: Boiler Cross Sec.	1320-1359	1902-1927	361-A	458
#76: Boiler Sections	1320-1359		361-B	458
#77: Boiler	4900-4947	1913	133-L-605D	
#78: Boiler	478-499	1927	716-C	458
#79: Boiler	1360-1369	1903-1937	133-L-821	458
#80: Boiler Cross Sec.	1360-1369	1903	822-B	458
#81: Boiler Sections	1360-1369	1927	822-C	458
#82: Stationary, 100-Horse Std		1903-1910	918-C	458
#84: Boiler UPRR	150-158	1903	18032	458
#85: Boiler	150-158	1903	1032	458
#86: Boiler	150-158	1927	1033-B	458
#87: Boiler	400-477	1903-1927		
#88: Boiler Sections	421-477	1927	1063-D	458
#89: Boiler Cross Sec.	421-477	1903	1063-C	458
#90: Boiler Cross Sec.	402-419	103	1194	458
	(old #s 1622-1639)			
#91: Boiler	402-419	1903-1928	1193-E	158
#92: Boiler	402-419	1927	1194-A	458

#93-#105: Shop Drawings, Omaha, North Platte

#142-#149: Gas Motor Car Drawings

#241-#240: Shop Signs

RG3761.AM Union Pacific Railroad Company  
Subgroup 10 Mechanical Department

Subject Index – 16mm microfilm

Series 3

Roll 1 (cont)

Drawer #7, 1901-1920's

#1: 4-Wheel Gas Weed Burner 02900, 1905 thru

#306: Franklin Automotive Adj. Wedge, 1925

Special Interest:

#40 thru #60: Lettering, Book 259 (40-47, 50-57 missing)

#147: Whistle (Freight), #83-A, Book 266

#166 thru #169: Motor Car Whistles

#282-#298: Frames (end of Drawer #7)

Drawer #8:

#1: Cheyenne Round House, 1907 thru #6, Location of Signal Fixtures, 1916

#1: Lettering & Numbering – Furniture Cars, Drawing #303-C-3629 thru #58

Lettering & Numbering – Freight Cars (C-834/35, 1904)

#59 thru #75: Car Drawings

#59: Business Car 106 (Wood), 1919

Car Drawings:

#60: Box Car – Class B 30-3, 1901

#61: Stock Car – S30-1, 1901

#62: All Steel Box Car, 1906

Roll 2 - Miscellaneous

RG3761.AM Union Pacific Railroad Company

STEAM LOCOMOTIVE ERECTION DRAWINGS

0-6-0	426 CA 20115	Elevation	S-5	4421-4450; 4748-4752
	425 CA 20116	Section	S-5	4421-4450; 4748-4752
	426 CA 23364	Elevation	S-6	4451-4480
	426 CA 23365	Section	S-6	4451-4480
2-8-2	424 CA 7860	Elev. & Sec.	MacA-1	1900-1929; 2000-2014; 2100-2140
	424 CA 8918	Elev. & Sec.	MacA-3	2200-2209
	424 CA 9494	Elev. & Sec.	MK-5-7	2726-2732; 2700-2715; 2733-2735
	424 CA 9494	Elev. & Sec.	MK-4-6	2210-2259; 2504-2527; 2726-2732; 2700-8
(film only)	424 CA 9830	Elevation	MASA-2	reversed drawing SellarsExh. St. In.
	424 CA 20410	Elev. & Sec.	MacA-7	2260-2279; 2528-2532; 2709-2715; 2733-5
	424 CA 20525	Elev. & Sec.	MK 63 26/28 214 SS	
	424 CA 20588	Elev & Sec.	MK 63 26/28 214 SD OWRN MK 8	2166-2177
	424 CA 21400	Elev. & Sec.	MK9-10	2293-2310; 2555-2564
	424 CA 22747	Elevation	MC-6A	3664
	424 CA 21401	Elev. & Sec.	MK9-10	2295-2304; 2555-2564
	426 CA 21640	Elevation	MC4 MC5	
	426 CA 21641	Section	MC4-5	3634-3643; 3704-3705; 3803-3805
2-10-0	426 CA 32112	Elev. & Sec.		Alteration
2-10-2	426 CA 20300	Elev. & Sec.	TTT1-2-3	5000-5014; 5300-5305; 5525-5529
	426 CA 20301	Section	TTT1-3	
	426 CA 21000	Elev. & Sec.	TTT 4	5015-5039
	426 CA 21550	Elev. & Sec.	TTT 5	5400-5414
	426 CA 21650	Elev. & Sec.	TTT 6	5040-5089; 5306-5313; 5500-5514
	426 CA 21860	Elev. & Sec.	TTT 7	5515-5524
2-8-8-0	426 CA 21300	Elevation	MC-57 26-41/32 464SD	
	426 CA 21301	Section	MC-57 26-41/32 464SD	
2-8-8-2?	424 CA 28490	Section	SA-C-2-6	3500-3564; 3704-3705; 3803-3805
2-8-8-2?	424 CA 28489	Elevation	SA-C-2-6	3500-3564; 3565-3566; 3567-3569
2-8-8-2	424 CA 32376	Elevation		3500-3599
4-6-2	424 CA 9493	Elev. & Sec.	P-7-10	
	424 CA 20480	Elev. & Sec.	P-13	2900-2909
4-8-2	426 CA 21200	Elevation	MT-1-2	7000-7039; 7840-7869
	426 CA 21201	Section	MT-1-2	7000-7039; 7850-7869
4-8-4	426 CA 25700	Elevation	FEF-1	800-819
	426 CA 25701	Section	FEF-1	800-819

	424 CA 26970	Elevation	FEF-2	820-834
	424 CA 26971	Section	FEF-2	820-834
	424 CA 33600	Elevation	FEF-2	824 (replacement 1 <sup>st</sup> & 2 <sup>nd</sup> boiler cours)
	424 CA 32125	Elevation	FEF-3	835-844
	424 CA 32126	Section	FEF-3	835-844
	424 CA 28600	Elevation	4884-1	4000-4019 (no film)
	424 CA 31728	Elevation	4884-2	4020-4024, Big Boy
	424 CA 31729	Section	4884-2	4020-4024, Big Boy
4-6-6-4	426 CA 24902	Elevation	CSA-1	3920-3914 (renumbered to 3800 class)
	426 CA 24903	Section	CSA-1	
	426 CA 25500	Elevation	CSA-2	2915-3939
	426 CA 33735	Elev. & Sec.	CSA1-2	3800-3839 (front end arrangement)
4-10-0	424 CA 28150	Elevation	FTT-1-2	5090-5099
	424 CA 28151	Section	FTT-1-2	5090-5099
4-12-2	426 CA 22400	Elevation	UP-1	9000
	426 CA 22401	Section	UP-1	9000
	426 CA 32120	Elevation	UP1-2	9000-9014 location of air pumps, res. et.
	426 CA 23051	Section	UP-2	
	426 CA 23550	Elevation	UP-3	9015-9029; 9055-9062
	426 CA 24301	Section	UP-3	9078-9087; 9500-9514

## TENDERS

Drawing #	Type	Class	Used on
434 CA 20432		10000 gal.with duplex stoker	
434 CA 20470		9000 Gal Cyl.	Passenger Service
434 CA 20586		10000 gal.cyl. with duplex stoker MK-63 26/28 214SD (prior to 1/1/1920)	2295-23
434 CA 20850		12000 gal.cyl.	
434 CA 20990		10000 gal.cyl.	
434 CA 21193		12000 gal.	Passenger Service
434 CA 21282		12000 gal. Freight Service duplex stoker, 1923 Equip.	
434 CA 216_? (21001 written in corner) (poor condition)		12000 gal.dated 7/3/1928, 1/26/1925/ 8/9/1921	
434 CA 21820		12000 gal.cyl.	Passenger Service
434 CA 28604		25000 gal.cyl. 4900-4914	Big Boy
434 CA 33028	Elevation	19C-1; 19C-2, 3800 Series 101-115; 201-225	(Challenger)
436 CA 34070	Elev. & Sec.	20-C-2-205 (film only)	