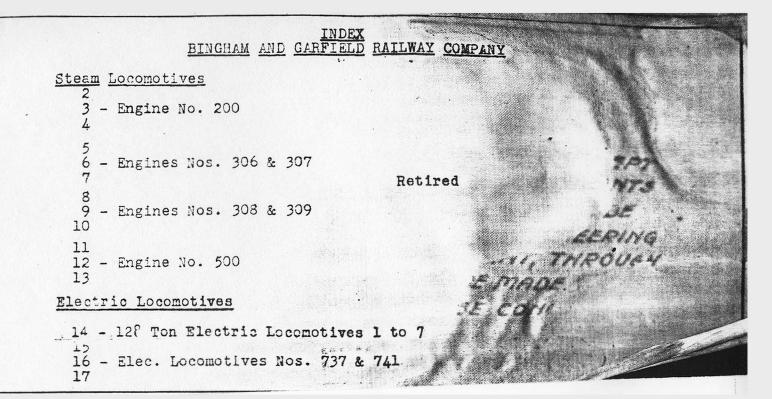
DIAGRAMS BINGHAM & GARFIELD RY. UTAH COPPER CO. LOCOMOTIVES AND TENDERS CARS

TO ALL CONCERNED

IN ORDER THAT THIS BOOK MAY BE KEPT UP-TO-DATE, ANY ADDITIONS, RETIREMENTS OR CHANGES IN SPECIFICATIONS ARE TO BE REPORTED TO THE MECHANICAL ENGINEERING DEPARTMENT, AT THE ARTHUR PLANT, THROUGH WHICH OFFICE CORRECTIONS WILL BE MADE AND REVISED PRINTS SENT TO THOSE CONCERNED



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Electric & Diesel Locomotives (Cont'd.)
 19 - Diesel Locomotive No. 800
                                         Retired
    - Diesel Locomotives Nos. 801 & 803
    - Diesel Locomotive No. 900
    - Diesel Locomotive No. 901
 29 - Diesel Locomotives No's 902 & 903
    - Flat Car No. 40
    - Flat Car No. 51
    - Flat Cars Nos. 56 - 58, 60 & 61
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Cranes
      - Wrecking Crane No. 01
   52
53 - 15 Ton Steam Loco. Crane No. 07 - Retired
     - 25 Ton Diesel Loco. Crane No. 08
Miscellaneous
  60 - Sand (Hopper) Cars Nos. 3200 to 3222 - Transfered to Ray Arizona
                                              Mines Division 7-5-51
  61 - Powder (Box) Cars Nos. 4000 to 4003 - Sold To Hercules Powder Co.
                                                11-10-49
      - Trolley Repair Car No. 03 (Sold to Ore Delivery Dept. 9/1-45) Retired
   66 - Jordan Spreader No. 02
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Caboose Cars 36 - Caboose Cars Nos. 012 & 016 - Caboose Car No. 014 38 - Caboose Equipment Concentrate Cars 41 - Concentrate Cars Nos. 2000 to 2149 Gondola Cars 43 - General Service Gondola Cars Nos. 3000 to 3049 Dump Cars 45 - 40-Yard Koppel Dump Cars Nos. 80 & 81 - Sent to Mines 5-3-51 Tank Cars 47 - Tank Car No. 6001

Miscellaneous (Cont'd.) 67 - Water Car No. 04 (Sold to the Mine 12/1-45) 68 - Derrick Outfit Gruck Car No. BG-56 69 - Derrick Outfit Cable Car (Flat) No. 60 - Derrick Outfit Block Car (Flat) No. 61 - Rodger Ballast Car No. 99 - Business Car No. 100 - Transferred to Mine - Rodger Ballast Car No. 101 - Transfered to Mine - Derrick Outfit Tool Car No. 527 - Anode Car 5000 to 5039

ORE DELIVERY DEPARTMENT

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Steam Locomotives
   102 - 100, 101, 102, 103, 105 a 106, mestred
       - Mallet Engines Nos. 100 to 106,-100, 101, 102, 103, 105 & 106
                                                        Retired
   105
   107 - Mallet Engines Nos. 107 & 108 - 108 Retired
   108
  109 -
  110 - Mallet Engines Nos. 109 & 110, Retired
  111
  112 -
Electric Locomotives
  117 - Electric Locomotive No. 600
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Electric 119	Locomotives (Cont'd.)	
120 - 121	Electric Locomotive No. 740	
122 123 -	Electric Locomotive No. 1000	
124 - 125 - 126 - 127 - 128 - 129 -		
131 - 132 - 133 - 134 - 135 - 136 -	Ore Cars UCCX 500 to 599 Ore Cars UCCX 600 to 1324 Ore Cars Nos. 1000X to 1399X	
137 - 138 -		

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Caboose Cars
140 - Caboose Cars Nos. 017, 019 to 021 Retired
141 - Caboose Cars Nos. 022 to 025
142 -
143 -
144 -
145 -
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Miscellaneous

- 150 Moly. Cars 1001X, 1006X, 1058X, 1065X, 1242X, 1264X, 1295X, 1358X, Scrap Cars 1129X and 1269X.
- 151 Bingham Brake Shoe Scrap Car No. 1150X
- 152 153 - Trolley Repair Car No. 03 (Purchased from B & G Railway Co. 9/1-45) Re
- 154 Trolley Repair Car No. 05

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- Sulphuric Acid Tank Car UCCX 6007
- Sulphuric Acid Tank Car UCCX 6008
   218
   219
Cranes
       - Industrial Brownhoist Locomotive Crane No. A-52
   222
       - Link-Belt Electric Locomotive Crane No. A-54
   224
         Industrial Brownhoist Locomotive Crane No. M-38
  226
         Industrial Brownhoist Locomotive Crane No. M-41
   228
          Industrial Brownhoist Electric Locomotive Crane A-5
          Browning Engineering Electric Locomotive Crane A-51
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DEPARTMENT OF NILLS

Flat Cars

202 - Foundry Flat Car UCCX 08

203 - Foundry Flat Car UCCX 11081

204 -

Ball Cars

205 - Ball Cars UCCX 1109X and 1114X

206 - Ball Car UCCX 1197X

207 -

Dump Cars

208 - Clark 30 Yard Steel Dump Cars UCCX 448 and 477 - Transfered to Mine

209 -

Concentrate Cars

210 - Precipitate Cars Nos. 1800 to 1819, 1816 & 1817

211 -

212 -

213

214 -

215 -

B. & G. RY. CO.

DEPT. OF MINES

2-8-0 CONSOLIDATED LOCOMOTIVE B&G No. 200 5-10" 13-64" 32'-G' Tender 71'-6" Total length Engine & Tender

2-8-0 CONSOLIDATED LOCOMOTIVE B&G No. 200

Tender Coupler-Type E Gx8x214 riveted Boiler Pressure -190 lbs./sq. in. Cyl. 21x30 Valves 11 Pistoh Engine Coupler - Type E 6x8 pilot Engine Truck Wheels -30" Steel Grate Area - 51.7 sq. ft. Air Brakes-Westinghouse 6-ET (improved) No. H.S. SA.FT. Firebox-69 widex 108 long 1-10x/2cyl. Tender 168 2-16x12cyl. Engine Air Reservoirs - 1-182x12-17885 cu in. 3 dia x 1/4 \$ long 4 30 1-18 \(\text{2} \) x 1/4-29009 cu. in.

Total Evaporative H.S. 2269 1-20 \(\text{2} \) x/20-31082 cu. in. 1-302 x 48-30032 cu.in. Superheater Units 12 dia. 28 471 Total Air 114008 cu. in. Driving Wheels dia. 51 Driving Journals 92 x12 Air Compressors - 2 Westinghouse 1500 820. Power Reverse Gear - Alco Type G Engine Journals 6 x12 Tender Journals 52x10 Grates - Rosebud rocker Superheater-Schmidt Firetube Type A Tender Truck Frames - Arch Bar Valve Gear - Walschaert TenderTruck Springs-Triple full elliptic Generator - Pyle National Type K2 Tender Draft Gear - Cardwell Chicago Flange Oiler Tender Wheels-33" Steel No.3

2-8-0 CONSOLIDATED LOCOMOTIVE B&G No. 200

Lubricators-Mechanical NathanType DVI Builder No. 54900

Hydrostatic Nathan Built - 7- 1914

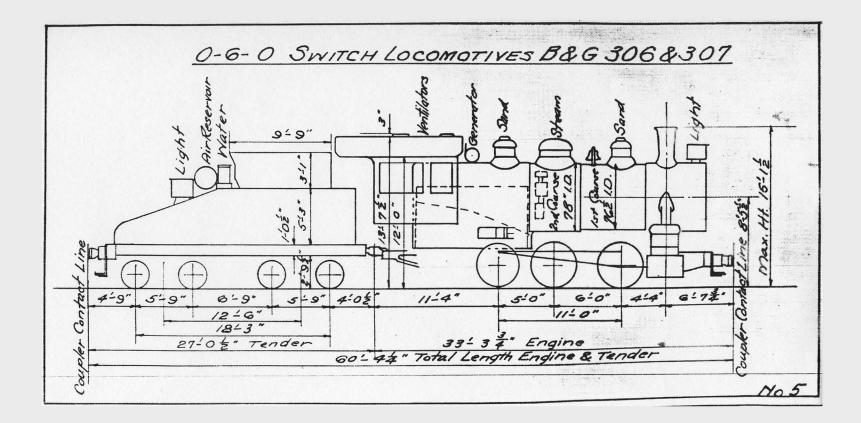
Air Compressor Westinghouse Received - 9-1914

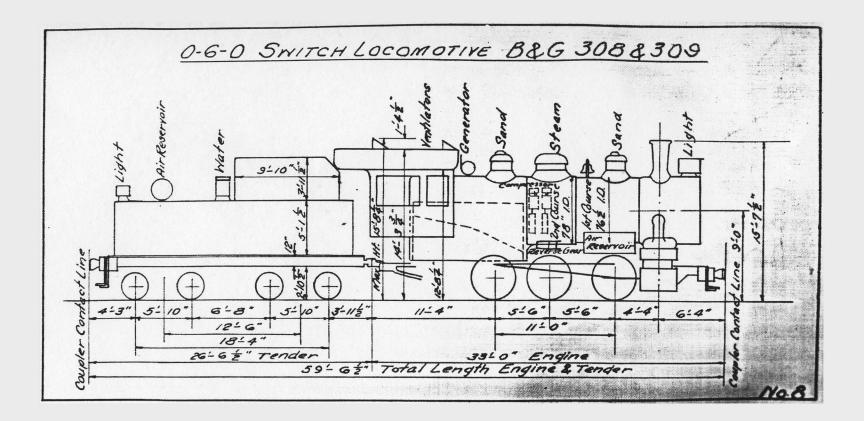
sight feed.

Cyclone Front End Weights in Working Order Engine & Tender 372780 lbs Eng. on drivers 181160 lbs. Eng. on engine truck 26300 lbs. Eng. total 201460 lbs. 201460 lbs. Tender loaded 165320 lbs. Tender empty 165. 165. Coal & Water Water 16s. - 9000 gals. Coal-Slack 165. tons Sand-Front cutt. Back Starting Tractive Force 41895 lbs. @ 90% cutoff

Builder - American Loco.

No 4





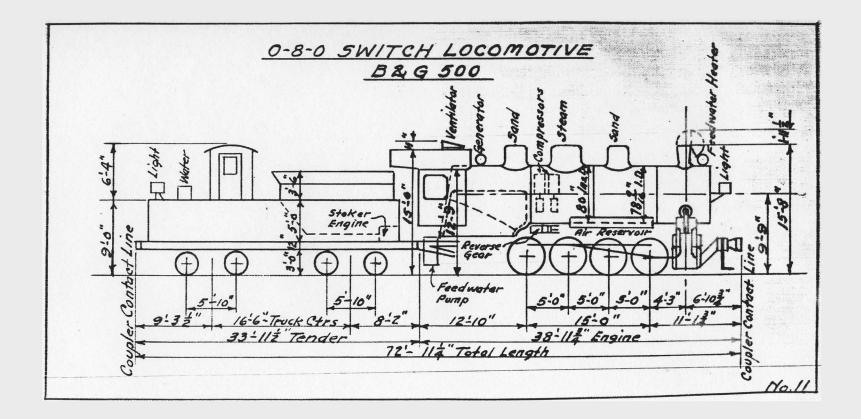
0-6-0 SWITCH LOCOMOTIVE B&G 308 & 309

Boiler Pressure 185 lbs./sq.in. Cyl. 22x26 Valves 11" Piston Tender Coupler-Type E 6x8x42 riveted Engine Coupler-Type 0 6x8x16=riveted Grate Area - 35 sq. ft. Engine Draft Gear-Westinghouse H.S. Air Brakes-Westinghouse 6-ET No. 1-10x12cyl. Tender 2-14x10cyl. Engine 50 FT. /96 Firebox 42 wide x 120 long Flues 2 dia x 126 long 194 1064 Air Reservoirs - 2-202 x48 28274 cu. in. 52 dia. x126 long 28 423 1-202 x60 17850 cu.in. Tubes 3 dia. x /3/4 long 1- 28 x 48 26862 cu. in. 2 17 Total Evaporative H.S. 1700 Total air 72986 cu.in. Air Compressors-2 Westinghouse 15008 tc.c. Superheater Units 12 dia. 335 Power Reverse Gear - Ragonett Driving Wheels dia. 51 Grates - Rosebud Rocker Driving Journals 9x12 Superheater-Schmidt Fire Tube Type A Tender Journals 52 x 10 Valve Gear-Walschaert Tender Truck Frames - Vulcan Generator-Pyle National Type K2 Tender Truck Springs-Triple full elliptic Lubricators-Mechanical Nathan Type OV Tender Draft Gear- Westinghouse Hydrostatic Nathan Tender Wheels - 33" Steel

0-6-0 SWITCH LOCOMOTIVE B&G 308 &309

Lubricators - Air compressor Westinghouse sight feed Weights in Working Order Engine & Tender 165. 165. Engine Tender loaded Ibs. Tender empty 163. Coal & Water 163. 165.-6100 gals. Water Coal- slack 165.tons Sand-Front cu.ft. Back ou.ff Starting Tractive Force - 38800/bs @ 90% cutoff Builder-Baldwin Loco. Eng. No. Builder No. Built Received 308 45/3/ 3-19/7 5-19/7 309 45/32 3-19/7 5-19/7

No.10



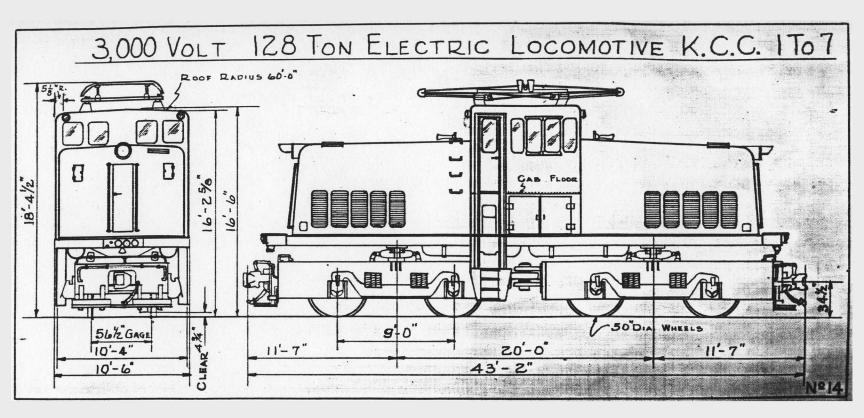
0-8-0 SWITCH LOCOMOTIVE B&G 500

Boiler Pressure -200 /bs / 59. in. CVI. 24x28 Valves 14" Piston Grate Area - 43 sq. ft. Firebox 664 wide x 102 long - 185 50. ft. H.S. 230 Flues - 2"dia x /86" long - /866 sq.ft. H.S. 36 Flues-52 dia. x 186 long - 803 sq.ft. H.S. 4 Tubes- 3" dia. x 1052" long - 28 sq. ft. H.S. Total evaporative heating surface = 2882 sq.ft. Superheater Units - 36-12 dia -601 sq. ft. H.S. Driving Wheels 51" dia. Driving Journals - Main 10x12 Others 9x12 Tender Journals 6x11 " Truck Frames-Vulcan Truck Springs-Triple full elliptic Draft Gears-Miner Wheels-33" Steel Coupler-Type E 6x8x214 riveted Engine Coupler-Type E 6x6 pilot

Air Brakes-Westinghouse 6-ET (Improved) 1-12x/2 cyl. Tender 2-10x 14 cyl. Engine Air Reservoirs-1-202x132 = 40928 cu.in. 1-16 x 84 = 15423 cu. In. Total Air = 56351 cu.in. Air Compressors 2-Westnahse 1500 82 C.C. Power Reverse Gear- Alco Type Q Grates - Rosebud Rocker Feedwater Heater & Pump-Elesco Type CF-1 Superheater-Schmidt Fire Tube Type A Valve Gear - Walschaert Stoker-Standard Type MB Generator-Pyle National Type K2 Lubricators - Mechanical Nathan Type Hydrostatic Nathantype 4F Air Compr. Nathan Type LB3 Gunderson Process Cyclone Front End

0-8-0 SWITCH LOCOMOTIVE

Stapax oilers in Tender journal boxes Chicago Flange Oiler Weights in working order Engine & Tender 411400 lbs
Engine 237940 lbs Engine Tender loaded 173500 165 Tender empty 155 Coal & Water 165 Water 75000 1bs - 9000 Gals. Coal-Slack Sand - Front cu.ft. Back cu.ft. Starting Tractive Force 53760 lbs @ 90% cutoff Builder-American Loco. Co. Builder Nº 65663 Built 6-1924 Received 6-1924



3.000 VOLT 128 TON ELECTRIC LOCOMOTIVE K.C.C. 1 To 7

TRACTION MOTOR

TWO BOX FRAME TRACTION MOTORS PER. TRUCK - 4 MOTORS PER. ENGINE -MODEL 5GE729CI- 4POLE-COMMUTATING POLE- SERIES WOUND - DIRECT CURRENT 1500 VOLT, 770 H.P. AT 960 R.P.M. - MAX. PERMISSIBLE SPEED, 1800 R.P.M. - MOTOR WEIGHT WITH PINION 10.625. LBS.

BLOWER MOTORS

Model 5CY300CI - 2-1500 VOLT MOTORS OPERATED IN SERIES FROM THE 3.000 VOLT LINE & IN PARALLEL FROM THE 750 VOLT LINE - 4 POLE -COMMUTATING POLE - SERIES WOUND - D.C. MOTOR. - 1200 R.P. M.-1,526.05 LBS.

AIR COMPRESSOR MODEL 7CP32B3-2-COMPRESSORS PER. ENGINE - PISTON DISPLACEMENT 75.7 CU. FT. PER. MIN. - 2 STAGE MACHINE. MOTORS Z-1500 VOLT-OPERATED ON SERIES FROM 3,000 VOLT & PARALLEL FROM 750 VOLT S.

AIR RESERVOIRS 4-TANKS-7-0"x1-6" DIA. -12.4 CU.Fr + AT 135 P.S.I.

MASTER CONTROLLERS 2 SPEED MOTORING ON 4 TRACTION MOTORS FROM EITHER A 3,000 VOLT TROLLEY OR A 750 VOLT TROLLEY SELECTOR & BRAKING HANDLE MAIN HANDLE "BRAKE" POSITION (9 SETTINGS) "OFF" POSITION "750 VOLT" POSITION
"3,000 VOLT POSITION
"BRAKING" POSITION POSITION MOTORING POSITION (28 SETTINGS)

Nº 14-A

3,000 VOLT 128 TON ELECTRIC LOCOMOTIVE K.C.C. 1 To 7

MASTER CONTROLLERS
REVERSE HANDLE
"OFF" POSITION
"FORWARD" POSITION
"REVERSE" POSITION

JR. BREAKER RESET LEVER
MECHANICAL INTERLOCKING OF HANDLES
EACH ENGINE CAN BE OPERATED FROM EITHER
SIDE - ALL 7 ENGINES CAN BE CONTROLLED
FROM ONE ENGINE.

TACHOMETER GENERATOR

TYPE 2CM4H - 6 STEEL WHEEL ACTUATES THE GENERATOR BYRIDING ON TOP OF THE 50 WHEEL

BRAKES

WESTINGHOUSE AIR BRAKES Nº 14-EL

DYNAMIC BREAKING

THE 4 TRACTION MOTORS ARE DISCONNECTED FROM THE TROLLEY POWER AND USED AS GENERATORS DRIVEN BY THE LOCOMOTIVE. THE ENERGY GENERATED IS GIVEN UP BY RESISTORS.

TRUCK FRAMES

HEAVY STEEL PLATE - WELDED FABRICATION
COMPLETE, 40 TONS PER. TRUCK - TWO TRUCKS PER. ENGINE - 80 TONS TOTAL

TRUCK SPRINGS

20 LARGE COIL SPRINGS (8821086P-2), - 20 SMALL COIL SPRINGS (8821086P-3)

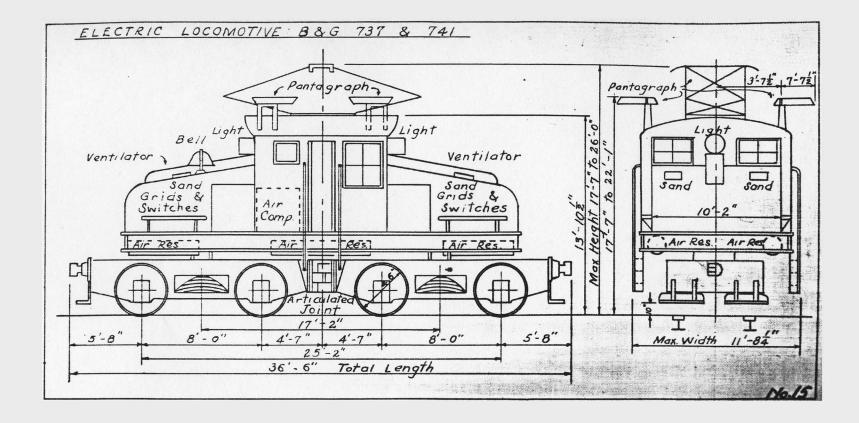
ON EACH TRUCK - TOTAL OF 40 LARGE & 40 SMALL COIL SPRINGS PER ENGINE.

COUPLERS

TYPE "E" - SWIVEL BUTT (33335C) N.M. & S.Co. - W. H. MINER INC. D9415 Nº14-8

3,000 VOLT 128 TON ELECTRIC LOCOMOTIVE K.C.C. 1 To7

DRIVE GEARS DRIVE GEAR ON AXLE 39 %" DIO. - 82 TEETH, 5 /2" WIDE -PINION ON DRIVE MOTOR 834" DIA. - 15 TEETH, 51/2" WIDE-8-WHEELS 50"DIA. STEEL AXLE DIA. AT CENTER 9"
AXLE DIA. AT JOURNALS 7" WHEELS JOURNALS 7" DIA. X13"LONG - BRASS FRAME - BABBITT LINING -PANTOGRAPH COLLECTOR Type 5-544-B - Double Shoe - Operating Range 129 16 DOUBLE SHUNT FOR HEAVY CURRENT - QUILL TYPE MAIN SHAFT WITH ROLLER BEARINGS - NORMAL WIRE PRESSURE OF 2016S - FOUR MAIN SPRINGS-AIR PRESSURE COLLAPSES THE COLLECTOR. WEIGHT IN WORKING ORDER. 128 TONS GENERAL ELECTRIC - ELECTRIC LOCOMOTIVE STARTING TRACTIVE FORCE 125,000 lbs. PER. 2 UNITS 62,500 lbs. PER. UNIT CONTINUOUS I Hr. CURRENT DRAW 425 AMPS. AT 30 M.P.H. MAXIMUM LOCOMOTIVE SPEED 35 MILES PER. HOUR SAND CAPACITY 4 SAND BOXES 1200 lbs. (+) PER. BOX 7- LOCOMOTIVES - BUILT (1946 \$ 1947) - MFG. Nº 29035 - 29036 - 29037 - 29038 - 29039 29119 - 29120. RECEIVED IN TWO SHIPMENTS 4-11-20-47 3-12-7-47 Nº 14-C



ELECTRIC LOCOMOTIVE: B&G 737 & 741

Traction Motors - 4 General Electric Type GE-HM-818-A direct current Continuous rating 280 amps-750 volts height variation Spring nose suspension Air Compressor - I General Electric type CP-35 Rating continuous 150 cuft./min. Master Controllers: 2 General Electric Type C-505A single unit three speed of cab. Throttles - electric Brakes Hand - ratchet drop lever Air-Westinghouse 14-EL 4-8x8 cylinders Air Reservoirs - 2 - 16 x 108 - 39974 cu.in. 4 - 16 × 60 - 43436 cu.in. Total air 83410 cu.in. Truck Frames. - Steel Plate sides & C.S. ends Truck Springs - Helical and semi-elliptic Sand Capacity - Builder - General Electric Couplers - Tipe E 6x6 pilot Droft Gears - None Wheels - 46" Steel 740 /0884 9-/929 Journals - 62 x 12

Pantagraphs - I General Electric type S-515-C overhead with 17'-3" to 26'-0" 2-General Electric type S-204 side arm pantagraphs. side arm pantagraphs. Loco. 740 has no side arm pantagraphs Dual operating controls from either side Weight in working order - 185380 lbs. Starting Tractive Force 55600 lbs. at 30% adhesion Cont. Thour " " 35000 165 at 1/20 A-9.4 mph.
Cont. I hour " 32000 165 at 21% adh. 9.7 mph.
Continuous " " 1/200 165 at 480 A. 13.2 mph. all the above at 675 volts Max Locomotive Speed 30 mph. Gear Ratio (85 gear & 18 pinion teeth) - 4.72 737 10881 8-1929 9-1929 10-1929 741 10885 9-1929 10-1929

ELECTRIC LOCOMOTIVE B&G 737 & 741

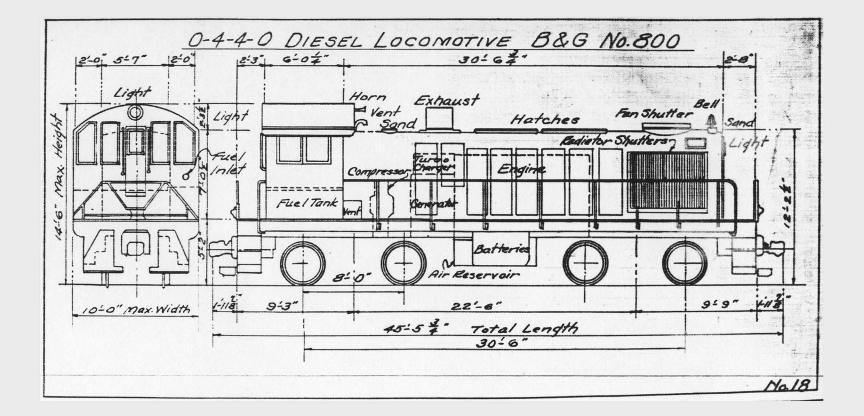
Loco 704 to 723 & 725 to 747 have I Cable reel

MVR-104-F2 carrying 2500 ft. No. 0 A.W.G. rubber

covered cable driven by I CY-21 series motor

Data 8-1945

No.17



0-4-4-0 DIESEL LOCOMOTIVE B&G No. 800 Diesel Engine - 1 Seymour & MacIntosh Master Controller-General Electric type G1382 6 cyl. - 4 cycle. Throttle - electrically operated 12 bore - 13 stroke Governor - Woodward Hydraulic Supercharged Fuel Injection - Bosch Supercharger - Buchi turbo Fuel Oil Filter-Cuno Auto-Klean & Bosch Cartag Generator - I General Electric G.T. 553-A Lubr. Oil Filter- Cuno Auto-Klean cartridge continuous rating 1350 amps. Brakes - Hand- Ajax power control type P single end single unit used with Air-Westinghouse E.L. -14 mechanically driven auxiliaries 4-10x 10 cyl. Traction Motors - 4 General Electric 731 Air Reservoir-2-22 x 84 - 60742 cu.in. rating 830 amps. Truck Frames-Commonwealth C.S. Equalized swing-motion spring nose suspension Air Compressor - I Westinghouse type 3-CD Truck Springs - Coiled & semi-elliptic 76.6 cu.ft./min. idling@250rpm Couplers - Type E 6x8 pilot 228 cu.ft. min. full speed Draft Gears - Miner Exciter - Auxiliary Generator Set-I General
Electric Type GMG-139 15 volt Wheels-40" Steel Journals-1x14 Shutters - manually operated No.19 Radiator Fan Gear Unit - Type GA-14-A

0-4-4-0 DIESEL LOCOMOTIVE B&G No. 800

Equipped with foot board lights Flange Oilers - Co. Shop make Weight in working order 228300 lbs. Starting Tractive Force-68500/bs @ 30% adhesion Continuous Tractive Force 34000 lbs. @8mph Rating @ sea level - 1000 B.H.P. Rating @ 4200 ft. elevation 817BHP(87.7%) Rating @ 6300ft elevation 192BHP(192%) Normal engine idling speed 250 rpm Normal engine running speed 740 rpm Maximum locomotive speed 60 mph Gear Ratio (75 Gear & 16 Pinion teeth)-4.69 Min. radius curvature (loco. alone) 50 ft. Batteries - 32 cells - 64 volt lead wet storage Cooling water capacity 240 gal. Engine oil capacity 85 gal. Fuel tank capacity 635 gal.

Sand capacity 27 cu.ft. Builder - American Loco. Builder No. -69908 Built - 6-1942 Recd. 8-1942

Data - 7-1945

No.20

0-4-4-0 DIESEL LOCOMOTIVE B&G 801 & 803 6-8" Light Engine Compressor Batteries Generator Air Reservoir Fuel 8-0" 84 0" 11-8" 25-6" 11-8" MaxWidth 10-2" 3346" 48'-10" Total Length

0-4-4-0 DIESEL LOCOMOTIVE B&G 801 & 803

Diesel Engine +DELAVergne Model VO 8cyl. - 4cycle 12 bore - 15 a stroke Generator - 1 Westinghouse type 487E continuous rating 1060 amps. Traction Motors - 4 Westinghouse type 362-C D.C. Series type Rating- cont. 1060 amps. spring nose suspension
Air Compressor - I compound 3 cyl. 2 stage. air cooled-80/ Gardner-Denver type NXO 803 Westinghouse type 300 air cooled 7/ cu.ft/min. Idling @ 250 r.pm. 176 cu.ft./min Full Speed @ 625 r.pm. Exciter-Auxiliary Generator Set / Westinghouse type YG-30-G Master Controller-Westinghouse electric-pneumatic Throttle-Westinghouse Air Brake DI pneumatic Governor-Woodward hydraulic relay

Fuel Injection - Bosch
Fuel Oil Filter - Cartridge
Lubr Oil Filter - Waste pack
Brakes - Hand National Power
Clasp

Air- Westindhouse 6-03 4 Duplex (8cyl.) 10x6 Air Reservoirs - 2-242x72 - 65144 cuin Truck Frames - General Steel Cata. Truck Springs-Helical & Semi-elliptic Couplers-Type E 6x8 swivel butt Draft Gears - Miner Wheels - 40" Steel Journals - 62 x 12 Shutters- Thermostatic automaticcontrol Kadiator assembly - Modine Equipped with foot board lights Flange oilers - Co. shop make.

No. 22

0-4-4-0 DIESEL LOCOMOTIVE B&G 801&803

Weight in working order- 236000 lbs. Starting Tractive Force - 70500 lbs @30% adhesion Continuous Tractive Force-34000 lbs. @8.3 mph Rating @ sea level 1000 BHP Rating @ 4200 ft. elevation 877 BHP (87.7%) Rating @ 6300ft. elevation 792 BHP (79.2%) Normal Engine idling speed 270 rpm Normal Engine running speed 625 rpm Max. locomotive speed 60 mph Gear Ratio - 4.75 (76 gear - 16 pinion teeth) Min. Radius Curvature (loco. alone) 75 ft. Batteries - 56 cells - 112 volt lead wet storage Cooling Water Capacity 290 gals. Engine Oil Capacity 105 gals.
Fuel Tank Capacity 700 gals.
Sand Capacity 30 cu.ft. Builder - Baldwin Loco.

Eng No Builder No Built Recd. 801 64731 12-1942 H943 803 64743 2-1943 3-1943

0-4-4-0 DIESEL LOCOMOTIVE B&G 900 9-112" 6-8" 6-0" Exhaust Exhaust Hatches Hatches Fan Light Sand Lub. Oil Rad. Shutters Register Sand Sand Shutter Shutter Batteries on oneside Switches on other side 8 - 00 Max Width 10-72" 9-7" 31-8" 50-10 Total Length No.24

0-4-4-0 DIESEL LOCOMOTIVE B&G 900

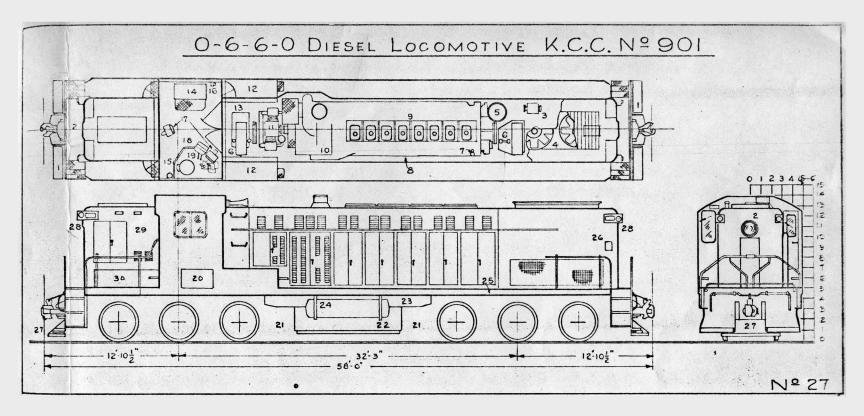
Diesel Endines - 2 Cooper Bessemer type GNL-6, turbocharged 6cyl. - 4cycle 102 bore - 132 stroke Turbocharger - Elliott - Buchi Generators - 2 General Electric Model 5GT545 B1 Continuous rating 850 amps. Traction Motors - 4 General Electric Model 5GE726E3 Max. rating 650 amps Spring nose suspension Air Compressors - 2 Westinghouse Single stage duplex Type 4ZB watercooled 132 cu.ft. /min. @ 730 rpm Exciter- Auxiliary Generator Set 2-General Electric model 5GMG 13784

Master Controllers - 2 General Electric Electric-pneu. Throttles- Hydraulic Governors-Woodward type 51 Fuel Injection - Cooper Bessemer triple disc valve Fuel Oil Filters - Purolator felt Lubr. Oil Filters - Nugent waste Type Cuno Auto-Klean cartridge Brakes- Hand-Ratchet drop lever Clasp Air - Westinghouse El-14 4 Duplex 8x7 cyl. Air Reservoirs-4-202x78-98000 cuin Truck Frames -Truck Springs - Helical Couplers - Type E 6x8 pilot Draft Gears - Miner

No.25

0-4-4-0 DIESEL LOCOMOTIVE B&G 900

Wheels-40" Steel Batteries - 32 cells - 64 volt Journals-7x13 lead wet storage Shutters - Thermostatic automatic control Cooling Water Capacity Equipped with foot board lights total 380 gals. Engine Oil Capacity Flange Oilers - Co. shop make Dual operating controls from either side of cab total 300 gals FuelTank Capacity 550 gals. Radiator Assembly - Panel Modine Sand Capacity 24 cu.ft. Weight in working order 271,420 lbs. Builder-General Electric Starting tractive force - 10250 lbs. @ 30% adhesion Builder No. - 15634 Continuous tractive force-5/000 lbs. @ 8.3 m.ph. 1500 BHP Rating @ sea level -Built - 3-1943 Rating @ 4200 ft. elevation 1315 BHP(87.7%) Received - 3-1943 Rating @ 6300 ft elevation 1188 BHP (79.2%) GENERAL ELECTRIC Normal Engine Idling speed-300 rpm Normal Engine running speed-750 rpm Max. Locomotive speed-40 mph Gear Ratio -4.53 tol, 68t. gear & 15t. pinion Min. radius curvature (loco. alone) 85 ft.



K.C.C.Nº 901 LOCATION OF PRINCIPAL PARTS 1. SWITCHMEN'S STEPS 16. HANDBRAKE 17. CAB HEATER 2. HEADLIGHT 3. HEAT EXCHANGER 18. OPER ATOR'S CONTROLS 4. COOLING SYSTEM, RADIATOR & FANSIA. OPERATOR'S SEAT 5. LUBE OIL FILTER 20 AIR BRAKE EQUIPMENT 6. TRACTION MOTOR BLOWER 21. MOTOR TRUCK 22. FUEL OIL TANK 7. LUBE OIL FILLER 8. ENGINE COMPARTMENT 23. FUEL OIL TANK FILLER 9. DIESEL ENGINE 24 AIR RESERVOIR 10. MAIN GENERATOR 25. WATER FILLER. DIESEL ENGINE 11. AIR COMPRESSOR 26 SAND BOX FILLER 27.PILOT 12. STORAGE BATTERIES

13 ELECTRICAL EQUIPMENT CABINET 28 MARKER & NUMBER LIGHT
14. HELPER'S SEAT
29. REAR COMPARTMENT
15. FIRE EXTINGUISHER
30. WATER TANK OR AUX. FUELTANK
Nº 28

0-6-6 DIESEL LOCOMOTIVE K.C.C. Nº 901

DIESEL ENGINE UNLOADING CONTROL SET AT 140 P.S.I BALDWIN VERTICAL, 1500 H.P., 8CYL. EXCITER

IN LINE, SUPERCHARGED, 4 CYCLE, AUXILIARY GENERATOR UNIT, 12 3/4" BORE, 15 1/2" STROKE DEVELOPING DRIVEN FROM MAIN GENERATOR

RATED POWER AT 625 R.P.M. MASTER CONTROLLER

ELECTRO-PNE UMATIC CONTROL GOVERNOR

HYDRAULIC RELAY TYPE GEAR DRIVEN, MANUALLY CONTROLLE

FUEL INJECTION SOLID INJECTION TYPE, SPRING LOADED MULTI-HOLE SPRAY NOZZLES

CONTINUOUS 930 AMPERS PER MOTOR CARTRIDGE TYPE LUB OIL FILTER 4 ELEMENT FILTER

FUEL OIL FILTER

BRAKES AUTOMATIC & STRAIGHT AIR Nº 29

GENERATOR 1-471 Type D.C., SEPARATELY EXCITED, INTERPOLE, SELF VENT-ILATING. TRACTION MOTORS, FORCE VENTILATED, 4-370 Type . SERIES WOUND. AXLE HUNG, SINGLE REDUCTION

GEARING TO AXLES, RATING

1-COMPOUND, 3 CYL., 2 STAGE DISPLACEMENT AT 625 R.P.M.

184 C.F.M., AT IDLING 74 C.F.M.

-AIR COMPRESSOR

0-6-6-0 DIESEL LOCOMOTIVE K.C.C. Nº 901

BRAKES 6-DS, ENDWHEELS. TOTAL WEIGHT CLASP TYPE, 75% ON 50LBS. CYL. IN WORKING ORDER 270,000 LBS. PRESSURE HAND BRAKE-LEVER TYPE CON-NECTED TO BACK TRUCK SUPERCHARGER TURBO TYPE JOURNAL BEARINGS FRICTION TYPE 6/2" x 12" WHEELS DRIVING 4 PAIRS IDELING Z RAIRS DIAMETER OF WHEELS 42" RUNNING GEAR LUBRICATING OIL 135 GALLONS SWIVEL TRUCKS, SWING BOLSTER FUEL OIL 1000 GALLONS WHEEL BASE EACH DRIVING TRUCK 11-6" TOTAL LOCOMOTIVE 43-9"

ON DRIVERS 186,500 LBS. LIGHT 249,500 LBS. FRONT TRUCK AT RAILS 135,000 LBS REAR TRUCK AT RAILS 135,000LBS MAXIMUMOVERALL DIMENSIONS WIDTH 9'-1114" HEIGHT 14'-0" LENGTH (INSIDE KNUCKLES) 58'-0" MINIMUM RADIUS CURVATURE LOCOMOTIVE WITH TRAIN 191 (30°) LOCOMOTIVE ALONE 151 (38°) SUPPLIES

ENGINE COOLING WATER 300GALLONS SAND 30 Cu. FT.

Nº 29-A

0-4-4-0 DIESEL LOCOMOTIVE K.C.C. Nº 901

GEAR RATIO 15: 63

STARTING TRACTIVE EFFORT
AT 30% ADHESION 55, 950 LBS.

CONTINUOUS RATING T.E. 42,800 LBS.

CONTINUOUS RATING SPEED 10.5 M.P.H.

MAXIMUM SAFE SPEED 65 M.P.H.

PER FOR MANCE 93002

TONNAGE RATINGS 93173

CLEARANCE DIAGRAM 93633

DESIGN 98-6-197
AIR BRAKE SCHEDULE 6-DS

BATTERIES 32 CELL-64 VOLTS

BLOWERS (2)

MECH. DRIVEN, EACH 6,000 C.F.M. AT 1870R.PM., 18 H.P. EACH.

RADIATOR FANS (2)

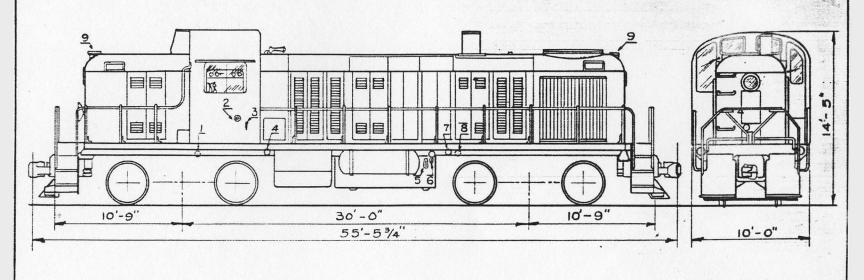
MOTOR DRIVEN, EACH 46,500 C.F. M AT 1,565 R.P.M., 38 H.P. EACH. TRUCK WEIGHT

50,000 LBS.

BUILDER BALDWIN LOCOMOTIVE WORKS
BUILDER NO. - 73474
BUILT JANUARY 15 1948
RECEIVED NOVEMBER 2 1948

Nº 29-B

0-4-4-0 DIESEL LOCOMOTIVE K.C.C. Nº 902



K.C.C. Nº 902 LOCATION OF PRINCIPAL PARTS

- 1. FUEL OIL TANK DRAIN
- 2. FUEL OIL TANK FILLER
- 3. FUEL OIL TANK GAGE
- 4. EMERGENCY FUEL OIL SHUTOFF
- 5. STEAM GENERATOR TANK GAGE (IF USED)
- 6. STEAM GENERATOR TANK FILLER
- 7. ENGINE OIL DRAIN 8. ENGINE WATER FILLER
- 9. SAND BOX FILLERS

DIESEL ENGINE ALCO G.E., 1500 H.P., 12 CYL. V TYPE 4 CYCLE, 9" BORE 101/2" STROKE, RATED ENGINE SPEED 1,000 R.P.M. AIR COMPRESSOR GENERATOR

1-G.E. 5GT564B1 TYPE, D.C. SEPARATELY EXCITED, INTERPOLE SELF VENTILATING.

AUX.GENERATOR TYPE GY-24B, DRIVEN FROM MAIN GENERATOR.

TRACTION MOTORS 4-G.E. TYPE GE- 752, SERIES WOUND

AXLE HUNG, SINGLE REDUCTION GEARING TO AXLES, RATING CONTINUOUS 900 AMPERS/MOTOR 1-COMPOUND, TYPE 3CDB, 3CYL

2 STAGE, CUTS IN AT 110 P.S.I. CUTS OUT AT 130 P.S.I TRAIN LINE PRESSURE 70 P.S.I.

EXCITER AM 807

MASTER CONTROL

G.E. TYPE "P" SINGLE END CONTROL VOLTAGE 75

Nº 29-D

0-4-4-0 DIESEL LOCOMOTIVE K. C. C. Nº 902

GOVERNOR WHEEL BASE HYDRAULIC RELAY, TYPE 17MG3, GEAR & TRUCK TO & TRUCK 30-0" DRIVEN. MANUALLY CONTROLLED WHEEL BASE 39'-4" EACH TRUCK RIGID 9'-4" FUEL OIL FILTER CARTRIDGE TYPE TOTAL WEIGHT WORKING ORDER 229,500 lbs. LUB. OIL FILTER 9 ELEMENT FILTER ON DRIVING WHEELS 229,5001bs. BRAKES ON TRUCKS 229,500169. WESTINGHOUSE AUTOMATIC & STRAIGHT MAXIMUM PERMISSIBLE SPEED AIR BRAKES 6-DS, END WHEELS, CLASP 65 M.D.H. MINIMUM RADIUS CURVATURE TYPE SUPERCHARGER 100 FEET GENERAL ELECTRIC TURBO TYPE MAXIMUM OVERALL DIMENSION JOURNAL BEARINGS WIDTH 10-0" HEIGHT 14-5" FRICTION TYPE 6/2 ×12" LENGTH (INSIDE KNUCKLES) 55-5%" WHEELS FUEL OIL TANK CAPACITY 800 GAL. LUBRICATING OIL SYSTEM CAPACITY 200GAL DRIVING 4 PAIRS COOLING WATER SYSTEM CAPACITY 250 GAL DIAMETER OF WHEELS 40 28cu' RUNNING GEAR SAND CAPACITY STARTING TRACTIVE EFFORT SWIVEL TRUCKS, SWING BOLSTER 57,375169. AT 25% ADHESION 29-E

0-4-4-0 DIESEL LOCOMOTIVE K.C.C.Nº 902

GEAR RATIO 18:74
Blowers
(2) FOR FORCED VENTILATION OF
TRACTION MOTORS

BATTERIES

EXIDE, 32 CELLS, 64 VOLTS

RADIATOR FANS

(1) DRIVEN FROM DIESEL ENGINE

BUILDER AMERICAN LOCOMOTIVE CO
GENERAL ELECTRIC
BUILDER NO. - 77563
BUILT NOVEMBER 15 1949
RECEIVED DECEMBER 9 1949

0-6-6-0 DIESEL LOCOMOTIVE K.C.C. Nº 903 5 10-9 10-9 35-0 60-82 10-8 Nº 29 G

0-6-6-0 DIESEL LOCOMOTIVE K.C.C. Nº 903 DIESEL ENGINE GENERAL MOTORS 1500 H.P. 16 CYLINDER ELECTRO PNEUMATIC CONTROL V Type 2 Cycle Model 567B BRAKES 82 BORE 10 STROKE RATED H.P. 800 R.P.M. GENERATORS MAIN 600 VOLT D.C. ALTERNATOR 3 PHASE 80 KW A C TRACTION MOTORS 6- MODEL D27 SERIES WOUND AXEL HUNG 950 VOLTS. AIR COMPRESSOR

MASTER CONTROLLER AIR AUTOMATIC 9 CYLINDER 565:1 LEVER RATIO 14 BRAKE SHOE FUEL INJECTORS SOLID TYPE SPRING LOADED SPRAY NOZZLE FUEL OIL FILTERS CARTRIDGE TYPE LUB OIL FILTER 4 ELEMENT FILTER G-D 6 CYLENDER 2 STAGE LOCO. ENGINE MAIN RESERVOIR DRIVEN RATED 356 CFM 800 RPM TWO 18 DIA x 99 STEEL TANKS CAPACITY 50,000 CUBIC INCHES

0-6-6-0 DIESEL LOCOMOTIVE K.C.C. Nº 903

STARTING TRACTIVE EFFORT

RADIATOR FANS (4) ELEC. DRIVEN 9 H.P. EACH

AT 25% ADHESION 84, 300 LBS.

62:15

CONTINUOUS RATING T.E. 67,000 LBS.

CONTINUOUS RATING SPEED O.6 M.P.H.

MAXIMUM SAFE SPEED 65 M.P.H.

PERFORMANCE SC-1839

TONNAGE RATINGS SD-7 CAT.

CLEARANCE DIAGRAMS No. 29 G

MODEL SD7

GEAR RATIO

AIR BRAKE SCHEDULE 6-BL

BATTERIES 32 CELL 64 VOLT.

BLOWERS (2)

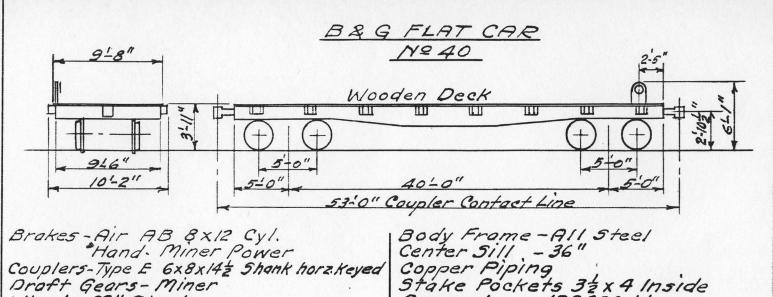
ELEC. DRIVEN 25 H.P. EACH

162 5N

0-6-6-0 DIESEL LOCOMOTI	VE K.C.C. Nº 903		
JOURNAL BEARINGS	MINIMUM RADIUS CURVETURE		
HYATT ROLLER BEARINGS 62 X12"	23° CURVE OR 250' RADIUS		
WHEELS	MAXIMUM OVERALL DIMENSIONS		
6 PAIR DRIVERS 40 DIAMETER	WIDTH 10'-8",		
RUNNING GEAR	LENGTH (INSIDE KNUCKLES) 60-82.		
6 WHEELED FULLY FLEXIBLE TRUCKS	HEIGHT 14-1176		
H SHAPED BOLSTER 4 SETS COIL	FUEL TANK CAPACITY 1200 GAL.		
SPRINGS 4 RUBBER CUSHINGS	LUB OIL SYSTEM CAPACITY 200 GAL.		
WHEEL BASE	COOLING WATER SYSTEM CAPACITY 260 GAL		
QNº I BOLSTER TO & Nº 2 BOLSTER	SAND CAPACITY 50 CU. ET.		
35-0 TRUCK RIDGED WHEEL BASE 13-7	BUILDER ELECTRO MOTIVE DIV.		
TOTAL WEIGHT	GENERAL ELECTRIC		
Working Order 342,880			
ON DRIVING WHEELS 342,880	BUILDER NO. 17411		
MAXIMUM PERMISSIBLE SPEED	BUILT DECEMBER 30 1952		
65 M.P.H.	RECEIVED JANUARY 5 1953		

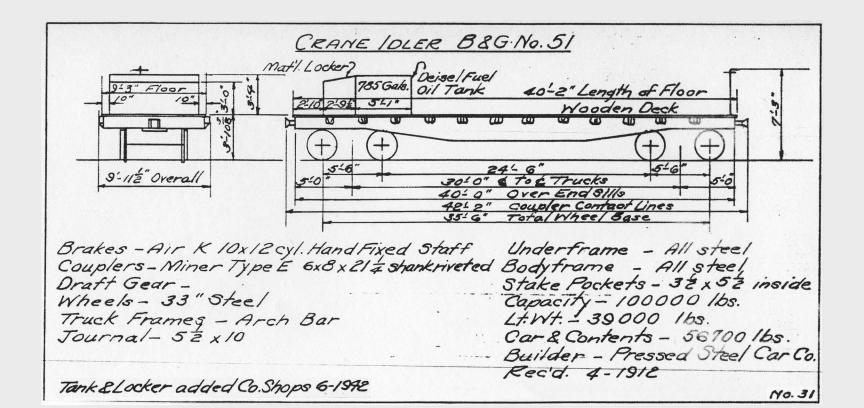
O-6-6-0 DIESEL LOCOMOTIVE K.C.C. Nº 903 EQUIPMENT

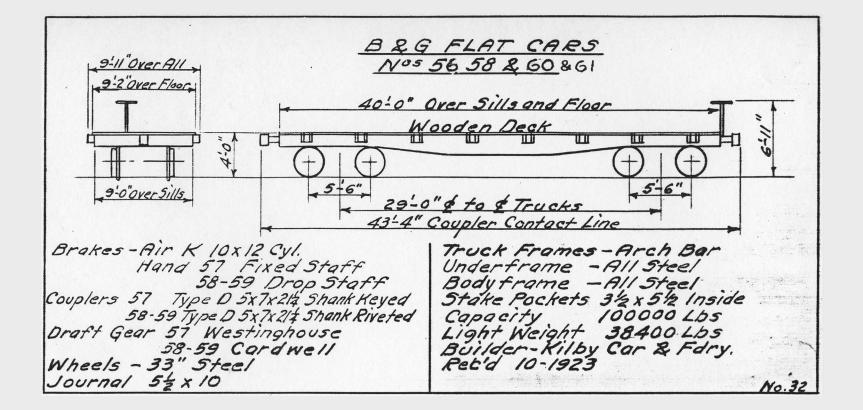
8 EMERGENCY FUEL CUTOFFS
2 36 FAN & MOTOR 9 BOILER WATER TANK 1200 GAL.
3 24 CU. FT. SAND BOX 10 FUEL TANK 1200 GAL.
4 AIR INTAKE ENGINE ROOM 11 MAIN RESERVOIR
5 HEAD LIGHTS TWIN SEAL BEAM 12 AIR INTAKE SHUTTERS
6 BOILER WATER FILLER 13 ENGINE WATER FILLER
7 FUEL FILLER

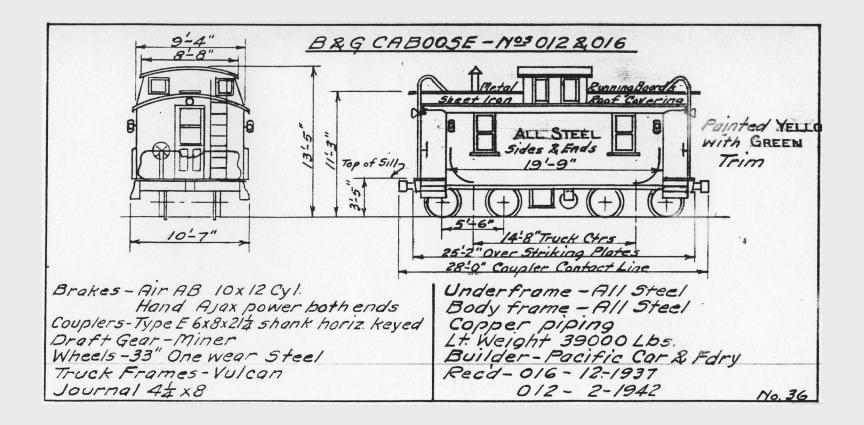


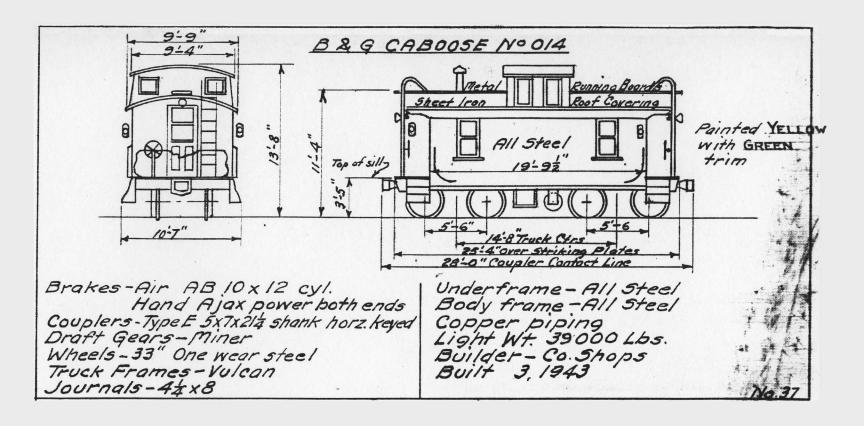
Wheels 33" Steel Truck Frames-Vulcan Journals - 6 x 10 Underframe - All Steel

Capacity 120000 Lbs. Light Weight 48200 Lbs. Builder - Company Shops - New Built 12-1943 No. 30









CABOOSES Nº 012,014 016, 022TO 025

REMODLED IN MAGNA CAR SHOP
1950 TO 1954
WOODEN SIDES & ENDS REPLACED
WITH STEEL

4 MARKER LIGHTS
2 FLOURSENT LAMP FIXTURES
24x12 TUBES 110 TO 125 VOLTS
55 GAL FUEL TANK

ONAN POWER UNIT INSTALLED IN

6 CABOOSES

ONAN POWER UNIT 2500 WATT CAP. 115 VOLT MODEL, A.C. DESIEL

ELECTRIC GENERATING PLANT

60 CYCLE 1800 R.P.M.

MODEL 205 D. S.P. IR

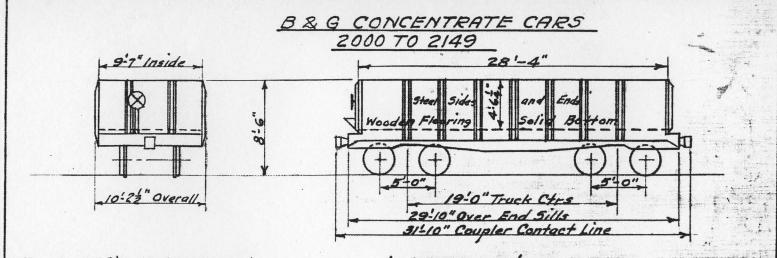
SINGAL PHASE
MOTOROLA TELEPHONE RADIO

COMMUNICATING SYSTEM AND

BATTERIES

2 HEAD LIGHTS

No. 38



Brakes-Air K 10x12 cyl.

Hand Ajax Power

Couplers-Type D&E 6x8x144 shank riveted

Draft Gears-Westinghouse & Miner

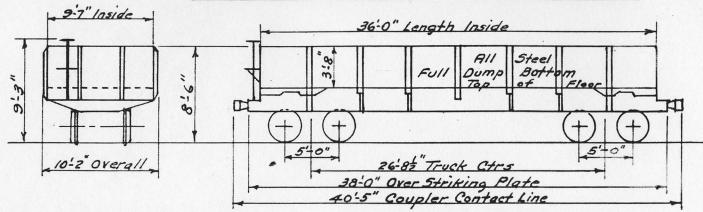
Wheels 33" Steel & Cast Iron

Truck Frame-Arch Bar (105 cars)

Vulcan (3 cars)

Journals 62×10
Capacity 120000 | bs-1228 Cu.Ft. level
Lt. Weight 393000 | bs-For all steel wheels
402000 | bs-For all cast wheels
Gross Wt. with max. load 214600 | bs.
Builder-Standard Steel Car Co.
Rec'd. 6-1917

B&G SERVICE CAR-NºS 3000 TO 3049



Brakes-Air K Empty 10x12 cyl.

Load 10x12 cyl.

Hand Staff

Couplers-Type D&E 6x8x214 shank riveted

Draft Gears-Westinghouse & Miner

Wheels -33" Steel

Truck Frames - Arch Bar

Journals-62×10

Doors-16 Corrugated-8 Each Side

Capacity 120000 | bs-1262 Cu.Ft. level

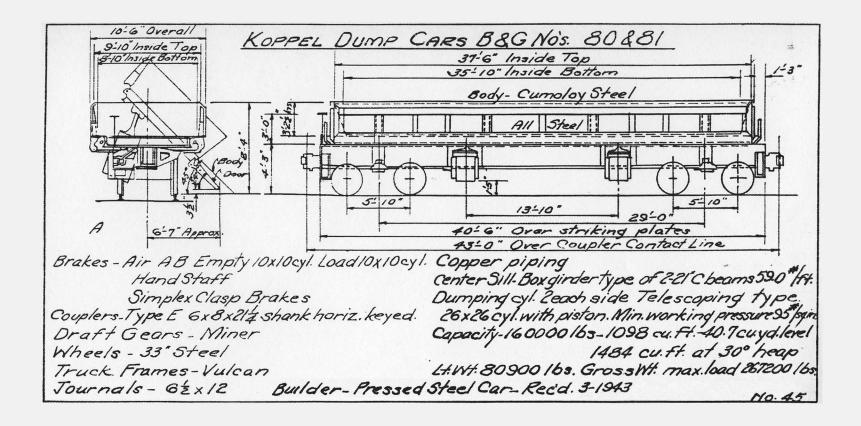
Lt. Weight 46/00 | bs

Gross Wt. with max. load 216800 | bs.

Builder-Pressed Steel Car Co.

Rec'd 3-1913

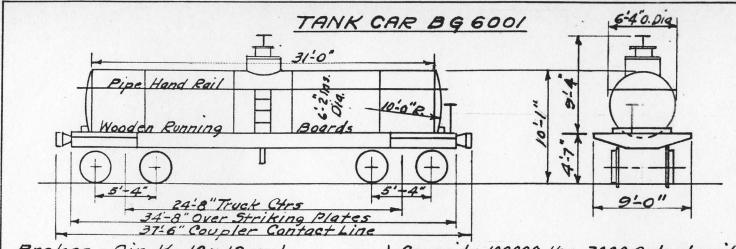
No.43



KOPPEL DUMP CARS B&G Nos. 80481

Note: U.C.Co. Mine purchased all B&G cars except 80 & 81 Oct. 1944

NOTE CARS 80+81 SENT TO MINES 5-3-51



Brakes - Air K 10x12 cyl.

Hand Staff

Couplers-A end Type E 5x7x214 shank riveted

Bend Sharon 5x7x214 shank riveted

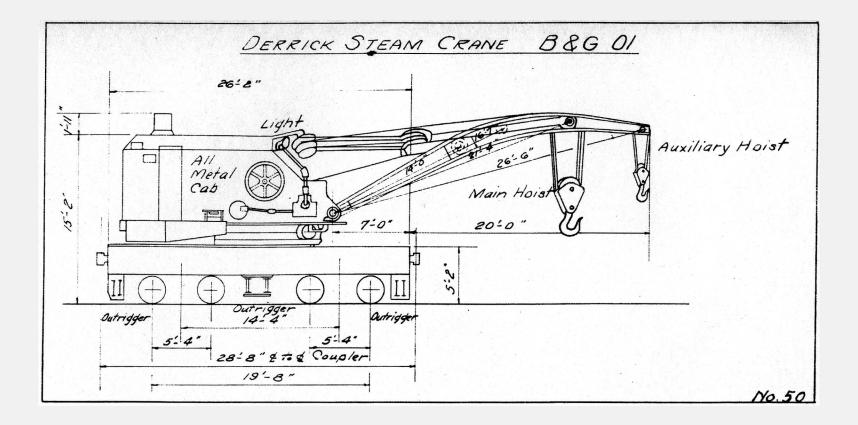
Draft Gears - Cardwell

Wheels - 33" Cast Iron

Truck Frames - Arch Bar

Journals 52x10

Capacity 100000 1/25-7000 Gals stenciled 7300 Gals without internal heating pipes Heater pipes disconnected but internal Lt. Wt. 39700 1/25 Gross Wt. with max. load-acid 135700 1/25 Purchased S.H. from Galena Signal Oil Co. Builder-American Car & Fdry Rec'd 10-1916



DERRICK STEAM CRANE B&G OI

Brakes - Air P2 12x12 2Cyl. 2 Triples
Hand none

Couplers - Simplex 5x7x14 shankriveted

Draft Gears - Tandem Double Spring

Wheels - 33" Steel

Truck Frames - Arch Bar

Tournals - 6 2" x 11

Boiler - 62" Dia. x 9-1" High

Tubes - 320 1 2 Dia.

Boiler Pressure 120/bs./sq.in.

Water Tank Capacity - 500 gals.

Coal Box Capacity - 2 tons

Lifting Capacity without outriggers Main Hoist 22 tons @ 16 ft. radius 16 tons @ 20ft radius Auxiliary Hoist 12 tons @ 25ft radius 7 tons @ 33ft.radius Lifting Capacity with outriggers
Main Hoist 120 tons @ 17ft radius 80 tons @ 20ft. radius Auxiliary Hoist 30 tons @ 32 ft. radius Main Hoist-Max Working Radius 20 ft. Min. Working Radius 16 ft. Weight - 230300 lbs. Builder - Industrial Works Builder No. - Industrial Works 2505 Received - 11-1911

LOCOMOTIVE STEAM CRANE B&G 07 All metal enclosed cab 40ft. Boom 10-10-Coupler antact Lines

LOCOMOTIVE STEAM CRANE B&G 07 Lifting Capacity (no outrigger) Brakes - Air Train line piped through Weight Radius Steam Jam 30000 lbs. Hand none 11 Ft. Couplers-Type D 5x7x214 shank riveted 15 22000 Draft Gears - Single spring 20 15500 Wheels - 33" Steel 25 11900 Truck Frames - Arch Bar 9200 30 Journals - 5x9 35 7500 Boiler - 48" Dia 9' High 6100 Tubes - 124 2" Dia. Working Radius - Max. 40ft. Min. 11ft.

Boiler Pressure - 120 lbs. sq. in. Water Tank Capacity- 800 gals.

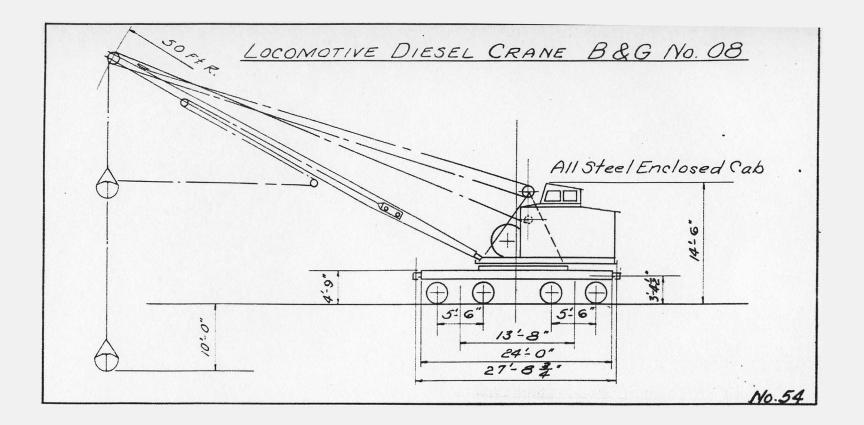
Coal Box Capacity- 2 tons

Builder No.- Industrial Works 3148 Received - 2-1917

Builder-Industrial Works

Weight with orange peel bucket 116500/bs

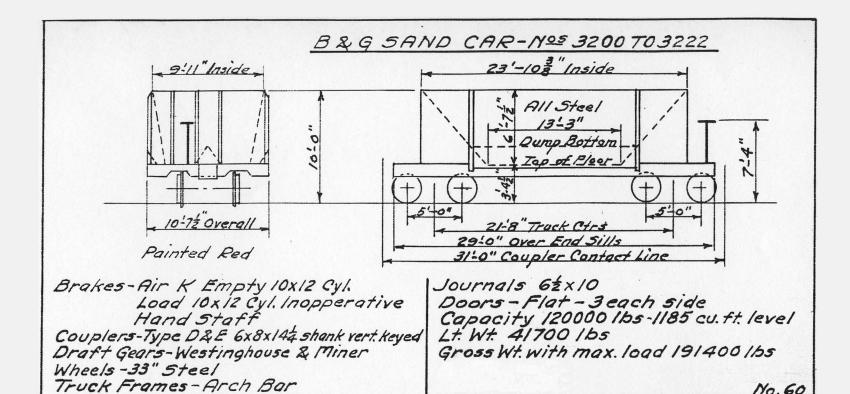
No.53



LOCOMOTIVE DIESEL CRANE	82	-G No. 08	
Brakes - Air K 8x12 cyl.	Gasolii	ne Electric General	for 1000 watt
Compressor-Curtis 3x3 2 350 rpm.			110 volt D.C.
Single cyl. Single Stage	Boom	extended from	45ft. to 50ft.
Hand-None			in 1944
Couplers - Type E 6x8x214 shank horz keyed	Liftin	of Capacity	
Draft Gears - Edgewater	Radius	Without outrigger	With outrigger
Wheels-33"Steel	12.	50000 1bs.	59100
Truck Frames - Bettendorf	15	38000	39500
Journals-52 x10	20	26300	29000
Equipped Simplex Snubbers	25	19800	22600
Caterpillar Diesel engine D1100-6 cyl.	30	15600	18400
H.P. 120 at sea level 54x8	35	13300	15400
No load gov. r.p.m. 1080	40	11100	13100
Fuel tank - 65 gals.	45	9400	11400
Water Radiator	50	8100	9600
Lub. oil -9 gals.	Max.	Working radiu	s 50 ft.
Air Reservoir - 42 cu ft.	Min.	Working radiu.	s 12 ft.
Equipped Ivanhoe oil cab heater			
			No.55

LOCOMOTIVE DIESEL CRANE B&G No. 08

Weight with bucket 151900 lbs.
Weight with line 147100 lbs.
Weight of bucket 4800 lbs.
Weight of scrap iron & concrete
ballast added to crane when
received new 26180 lbs.
Builder-Industrial Brownhoist Corp.
Builder No. 11221 Type No. 5
Received - 6-1942

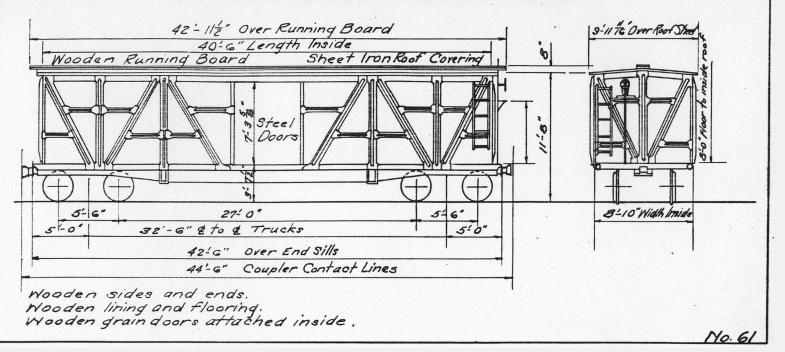


B&G 5AND CAR-Nº 3200 TO 3222

Builder - Co. Shops Built-4in1926, 9 in 1927, 10 in 1940

TRANSFERED TO KCC MINES
DIVISION RAY ARIZONA 7-5-51

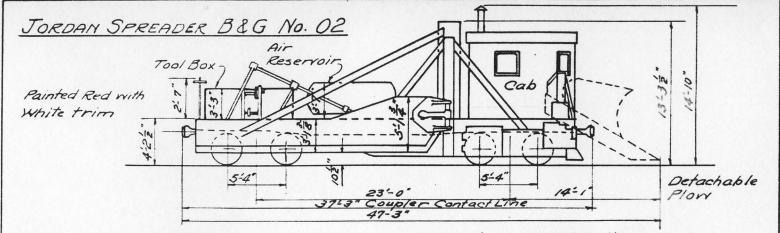
POWDER CARS B&G 4000 to 4003



POWDER CARS B&G 4000 to 4003

Brakes-Air K 10x12 cyl. Hand Ajax power Couplers-Type D and Type Simplex 5x1x21 = riveted Draft Gears - Westinghouse Wheels - 33" One Wear Steel Truck Frames - Yulcan Journals 52 x10 Underframe - All Steel Bodyframe-All Steel Capacity - 100000 lbs. - 2862 cu.ft. Lt. Wt. 47900 lbs. Gross Wt. 109800/bs. Builder - Pressed Steel Car Rec'd - last 11-1914

SOLD TO HERCULES POWDER COMPANY 11-10-49



Brakes - Air K 10x12cyl.

Hand Staff

Couplers - Type D 5x1x214 shank riveted

Draft Gears - A End Westinghouse

B End Cardwell

Wheels - 33" Steel

Truck Frames - Arch Bar

Journals-52×10

Capacity - 100000 lbs.

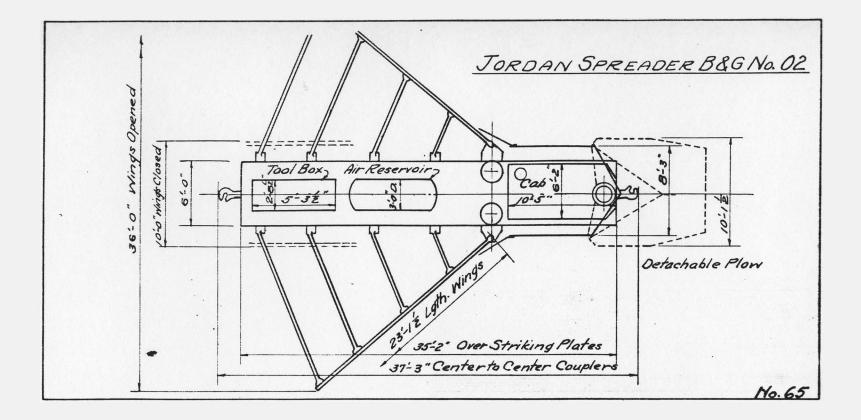
Lt. Wt. - 83200 lbs. with plow

75200 lbs. without plow

8000 lbs. weight of plow

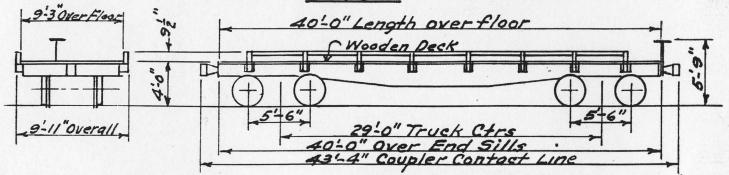
Builder - 0.F. Jordan Co.

Rec'd. - 8-1915



DERRICK OUTFIT TRUCK CAR

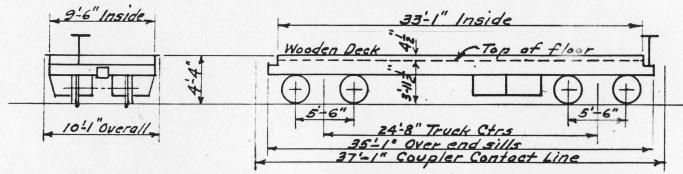
BG56



Brakes-Air K 10x12 cyl.
Hand Staff
Couplers-Type E 5x7x214 shank riv.
Draft Gears-Cardwell
Wheels-33" Cast Iron
Truck Frames- Arch Bar
Journals-52 x 10

Underframe & body-All Steel
Stake pockets 3 x 4 ½
Capacity 100000 lbs
Lt. Wt. 38300 lbs
Car & Contents 80400 lbs
Builder-Kilby Car & Fdry.
Rec'd 10-1923
No.68

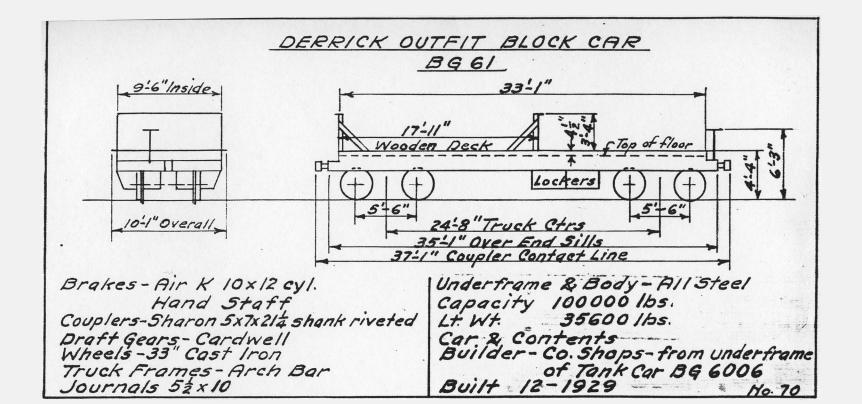
DERRICK OUTFIT CABLE CAR BG 60



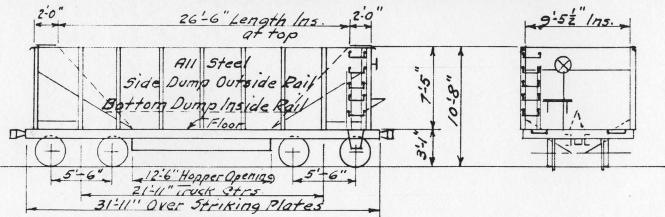
Brakes - Air K 10 x 12 Cyl.

Hand Staff
Couplers-Simplex 5x7x212 shank riveted
Draft Gears - Cardwell
Wheels -33" Cast Iron
Truck Frames - Arch Bar
Journals - 52 x 10

Underframe & Body - All Steel
Capacity - 100000 lbs
Lt. Wt. - 34700 lbs
Car & Contents 48700 lbs
Builder-Co. Shops - Underframe
from tank Car BG 6005
Built 12-1929
No. 69



RODGER BALLAST CAR BG99



Brakes-Air K 10x12 cyl.

Hand Ajax Power

Couplers-Type D 6x8x 2/4 shank horz keyed

Draft Gears-Westinghouse

Wheels-33" Steel

Truck Frames-Vulcan

Journals 52x10

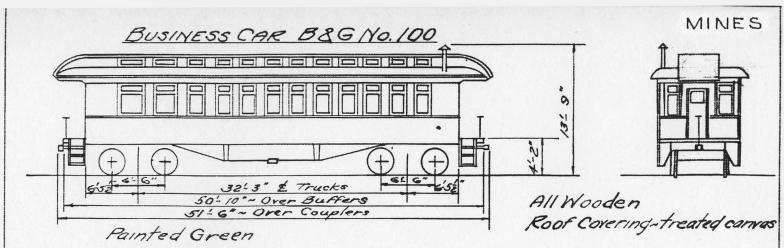
Capacity 100000 lbs 1433 cu.ft. level
Light Wt. 45400 lbs

Gross Wt. with max. load 175800 lbs

Builder-Rodger Ballast Car Co.

Rec'd 1-1925

No.71

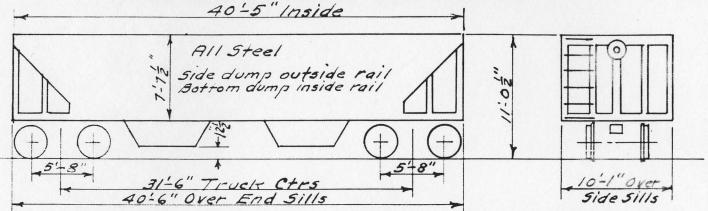


Brakes - Air K /2x/2cyl. Hand Staff both ends Couplers-Janney 5x 7x 214 shank riveted undercut Draft Gears - Tandem double spring Wheels 33" One wear steel Truck Frames - Wooden (oak) Pullman Standard Lt. Wf. 48000 lbs. Journals - 47x82

Baker Car Heater

Center Sill - Wooden (oak) Draft Sills - Steel Truss Rods - 4 Seating Capacity Purchased S.H. from Central Car & Loco Co. Chi. Rec'd. 4 1911. Builder - unknown

RODGER BALLAST CAR BG/0/



Brakes-Air K 10x12 cyl.

Hand Peacock power

Couplers-Type D 6x8x214 shank horz keyed

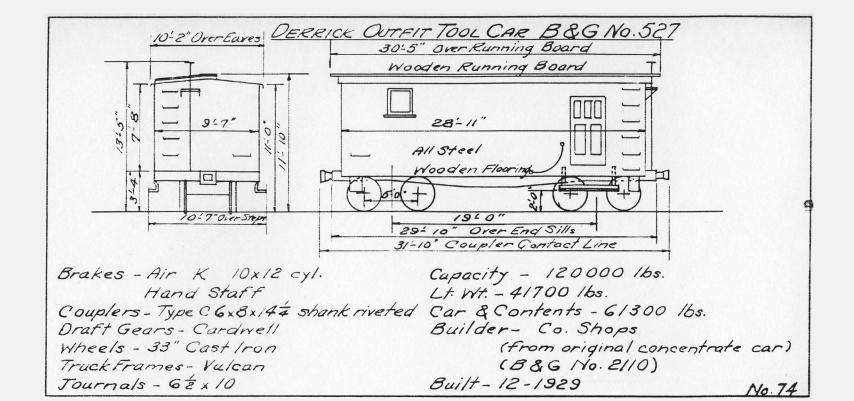
Draft Gears-Waugh Gould Farlow attach.

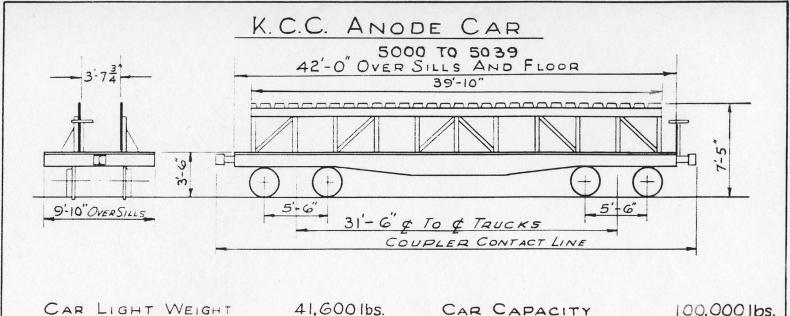
Wheels 33" Steel

Truck Frames - Vulcan

Journals 6x11

Equipped Simplex Snubbers
Capacity 140000 | bs-2845 cu.ft. level
Lt. Wt. 61800 | bs
Gross Wt. with max load 236000 | bs.
Purchased S.H. from Rodger Ballast Car
Builder-American Car & Fdry
Rec'd 5-1942 Built 10-1930 No.73





ANODES PER. CAR

41,600 lbs. 108

TOTAL ANODE WEIGHT

100,000 lbs. 86,400lbs.

ANODE CAR DETAILS 550B1

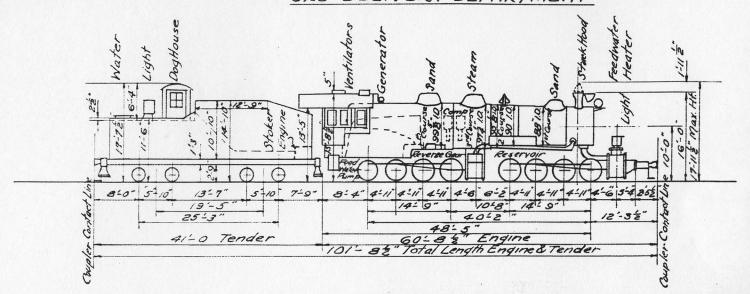
K.C.C. ANODE CAR

Brakes - Air Standard K-2
Triple 10"x 12" Cylinder
Hand-Miner Power
Couplers - Type "E" 6"x 8"x 214"
Shank Horz. Keyed
Draft Gears - Miner & Westinghouse
Wheels 33" Steel
Truck Vulcan-Bettendorf Type
Journals

UNDER FRAME - ALL STEEL
DECK OPEN WITH IRVICORETICULINE
TYPE "M" FLOORING 24" CAT WALK
ON EACH SIDE
RACK MOUNTED ON CENTER OF CAR
3'-11" HIGH.
BUILDER - RECONDITIONED DUMP
CARS IN CAR SHOP.
REMODELED - 1949 \$1950

ORE DELIVERY DEPT.

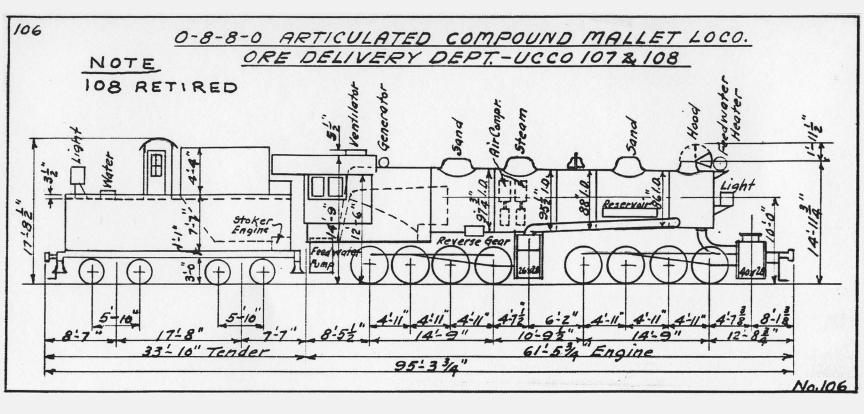
0-8-8-0 ARTICULATED COMPOUND MALLET LOCOMOTIVE U.C.Co.100 to 106 (Total-7) ORE DELIVERY DEPARTMENT



0-8-8-0 ARTICULATED COMPOUND MALLET LOCOMOTIVE U.C. CO.100 to 106 (Total-7)								
ORE DELIVERY DEPARTMENT								
	Eng. 100		Eng. 101		Eng. 102		Eng.103	
						H.S.		
						sq.ft.		
Firebox 1/4 wide x 126 long		351		351		351		351
Flues 24 dia. x 288 long								3732
5 to dia. x 288 long							42	1451
Tubes 32 dia. x157 long							4	48
32 dia x 160 long	/	1.2	/	12	/	12	/	12
Total Evaporative H.S.		5566		5594		5481		5594
	End. 104 End. 105 End. 106							
Firebox 114 wide x126 long		351		351		35/		
Flues 24 dia x 288 long		3718	255	3605	265	3746		
52 dia x 288/ong	42	1451	42	1451	42	1451		
Tubes 32 dia x157 long								
32 dia. x160 long								
Total Evaporutive H.S.		5580		5467		5608		
								No.103

0-8-8-0 ARTICULATED COMPOUND MALLET LOCOMOTIVE UCCO. 100 to 106 ORE DELIVERY DEPARTMENT (Total-7) Eng. 100 Eng. 101 Eng. 102 Eng. 103 No. H.S. No. H.S. 5d. Ft. sq.ff. sq.ft. Superheater Units 12 dia 42 /577 42 1577 42 1577 End. 105 Eng. 106 Superheater Units 12 dia. 42 1577 42 1577 42 1577 Boiler Pressure 220 lbs. /sq. in. Tender Coupler-Type E 6x8x214 riveted H.P.cyl. 26x28 Valves 14 in. Piston 3 L.P. cyl. 40 x28 Valves 31 Tc x5 Tcx 124 Slide Engine Coupler-Type E 6x8 pilot Air Brakes - Westinghouse G-ET (Improved) Grate Area -96 sq.ft. 1-12x12 cyl. Tender Driving Wheels dia. 51 4-14x 10 cyl. Engine Driving Journals 10x12 Air Reservoirs-2Westinghouse 1500 82 CC. Tender Journals 62x12 Air Aftercooler - Wilson Tender Truck Frames-Vulcan Power Reverse Gear - Alco Type G Tender Truck Springs-Helical Grates - Rosebud Rocker Feedwater Heater & Pump-Elesco Type CEI Tender Draft Gear-Miner Tender Wheels -33"Steel Superheater - Elesco Type HA

0-8-8-0 ARTICULATED COMPOUND MALLET LOCOMOTIVE UCCO. 10010106 ORE DELIVERY DEPARTMENT (Total 7) Stoker-Standard Type MB Weights in Working Order Engine & Tender 699940 lbs. Generator - Pyle National Type E Engine 462840 lbs. Tender loaded 2371 00 lbs. Lubricators-Mechanical NathanTypeOV Tender empty <u>88000 lbs.</u> Coal & Water 149 100 lbs. Hydrostatic Nathan Type Air Compressor Nathan Type LB3 Water-13200 dals. 110400 lbs. Gunderson Process Stapax Oilers in Tender journal boxes Coal-Slack-19tons. 38700 lbs Chicago Flange Oiler Sand-Front cuft-Back cutt. Eng. No. Builder No. Built Received Starting Tractive Force Compound 97575/bs. @90/cutoff 100 49998 7-1911 9-1911 Simple 1/77/5 /bs. 101 50019 7-1911 9-1911 102 50483 Builder - American Loco. 10-1911 12-1911 103 51710 8-1912 10-1912 104 56788 3-1917 5-1917 105 56965 3-1917 5-1917 59492 12-1918 106 11-1918



0-8-8-0 ARTICULATED COMPOUND MALLET LOCO. ORE DELIVERY DEPT.-UCCO 1072 108

Boiler Pressure 230 /bs/sq.in. | Tender Wheels-33" Steel H.P. cyl. 26x28 Valves 14"Piston L.P. cyl. 40x28 Valves 3176x576x124 5lide Grate Area 121 x 964 - 77 sq. ft. Eng. 107 Eng. 108 H.5. Mº H.5. 5g.Ft 5g.Ft. Fire box 964 wide x 150 long 315 315 Flues - 24 dig x 276 long 235 3184 230 3116 52 dia. x 276 long 50 1656 50 1656 Tubes 32 dia. x157 long 5 60 5 60 Total Evaporative H.S. 5215 5147 Superheater Units 12 dia. 50 1850 50 1850 Driving Wheels dia 51 Driving Journals 102x13 Tender Journals 6 x 11 " Truck Frames-Vulcan

Truck Springs-Triple full elliptic

Draft Gear-Miner

" Coupler-Type E 6x8x214 horz. keyed Engine Coupler-Type E 6x8 pilot Air Brakes-Westinghouse 6-ET (Improved) 1-14x12 cvl. Tender 1-14×10 cvl. Engine Air Reservoirs 2-20 1 x /20 - 74200 cu.ins. Air Compressors-2 West. 1500 82" C.C. Air Aftercooler - Wilson Power Reverse Gear-Alco. Type G Grates Rosebud Rocker Feedwater Heater & Pump-Elesco Type CF-1 Superheater-Elesco Type HA Valve Gear-Walschaert Stocker-Standard Type MB

No.10-

O-8-8-0 ARTICULATED COMPOUND MALLET LOCO. ORE DELIVERY DEPT. UCCO. 107 & 108

Gunderson Process
Stapax oilers in Tender Journal Boxes
Chicago Flange Oiler
Weights in working order
Eng. & Tender 693200 lbs.
Eng. 474100 lbs.
Tender loaded 219100 lbs.
Tender Empty 80800 lbs.
Coal & Water 138300 lbs.
Water 100200 lbs. 12000 Gals.
Coal-Slack 38100 lbs. 19 Tons
Sand-Front cuft-Back cuft.

Lubricators-Mechanical Nathan Type DV
Hydrostatic Nathan
Air Compr Nathan Type LB3

Starting Tractive Force
Compound 102000 | bs.@90% cutoff
Simple 123065 | bs.
Builder- American Loco. Co.
Purchased S.H. from Boston & Maine R.R.

Eng. No. Builder Nº Built Rec'd 107 63455 10-1922 5-1929 108 63456 10-1922 5-1929

2-8-8-2 ARTICULATED COMPOUND MALLET LOCOMOTIVE U.C.CO.1098/10 ORE DELIVERY DEPARTMENT 13-9" 4 6 4 6 4 2 3 3 8 6 2 5 2 512 5-2 22-113-8-85 9-105" 15-6" 15-6" 14-1 57-4" 31-113" 97-23" 41-2 à Tender 66-03" Engine 107-3" Total Length Engine & Tender

2-8-8-2 ARTICULATED COMPOUND MALLET LOCOMOTIVE.U.C.CO. 109&110 ORE DELIVERY DEPARTMENT Eng. 109 Eng. 110 No. H.S. No. H.S. 39.ft ______ 59.ft. Firebox - 964 wide x 144 long 437 437 Flues - 22 dia. x 288 long 285 4029 285 4029 5½ dia. x 288 long 53 1832 53 1832 Tubes 3" dia. x 154 long 5 50 5 50 Total Evaporative H.S. 6348 6348 Superheater Units 1½ dia. 53 2004 53 2004 Boiler Pressure - 240 lbs. sq. in. TenderTruck Frames - Norfolk & West design HP. cyl. 25 x 32 Valves 14 in. Piston TenderTruck Springs - Double full elliptic L.P. cyl. 39 x32 Valves 14 in. Piston Tender Draft Gear - National Driving Wheels dia. 56 Driving Journals 11x12 Endine Tournals Tender Wheels - 33" Stee! Tender Coupler-Type E 6x8x214 horz. keyed Engine Coupler - Type E 6x8 pilot Engine Truck Wheels - 30" Steel Engine Journals 6x10 Trailer Journals 62x12 Trailer Truck Wheels - 30" Steel Air Aftercooler- Wilson Tender Journals 6x11 No. 110

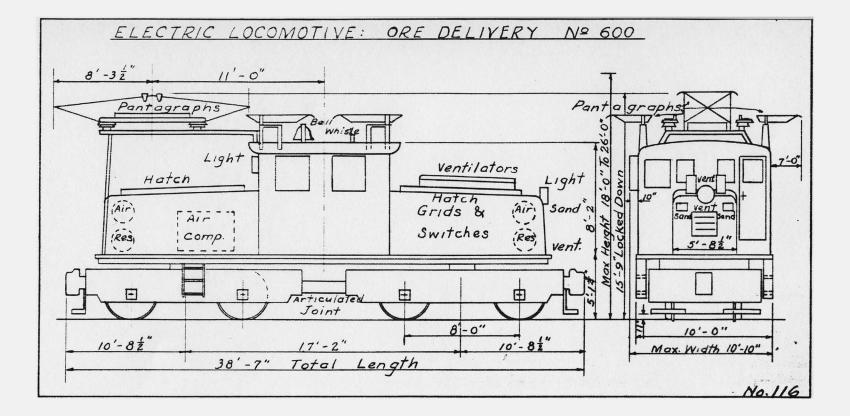
2-8-8-2 ARTICULATED COMPOUND MALLET LOCOMOTIVE UCCO.1098/10

Air Brakes - Westinghouse 6 ET (Improved) 1-18x12 cyl. Tender 4-14x10 cyl. Engine Air Reservoirs-2-20 x 96-58780 cu.in. Air Compressors - 2 Westinghouse 1500 85"C.C. Power Reverse Gear- Norfolk & West. design Grates - Rosebud Rocker * Feedwater Heater & Pump-Elesco Type CF-1 Superheater- Elesco-Type HA Valve Gear-Baker Stoker-Standard Type MB Generator - Pyle National Type E Lubricators - Mechanical Nathan Type DV Air Compressor Nathan Type LB3 Gunderson Process Stapax oilers in Tender journal boxes Chicago Flange oiler * Engine 110 only.

2-8-8-2 ARTICULATED COMPOUND MALLET LOCOMOTIVE UCCO 1098/10 ORE DELIVERY DEPARTMENT

Weights in Working Order End. & Tender Eng. on drivers 472000 lbs. Eng on engine truck 26500 lbs. Eng. on trailer truck 27500 lbs. Eng. total 526000 163.526000 Tender Loaded Tender Empty Coal & Water Water Coal-slack Sand-Front cuft. Back Starting Tractive Force - Compound 103295 to 90%c. Simple 125000/68.

Builder-Baldwin Loco-Purchased S.H. Norfolk (West. Eng. No. Builder No. Built Received 109 51936 7-1919 6-1943



ELECTRIC LOCOMOTIVE ORE DELIVERY Nº 600

Traction Motors - 4 General Electric Type GE-GHM-818-02 Direct current-series type Continuous rating 680 amps. 600 volts Air Compressor - 1 General Electric type, CP-35 Rating continuous 150 cu.ft/min. Master Controllers - 2 General Electric type M single unit-three speed Throttles - electric Brakes Hand - Ratchet drop lever Air - Westinghouse EL-14 4 Duplex 8 x 6 cylinders Air Reservoirs - 4-24 x 54 - 92287 cu.in. Truck Frames - Steel plate Truck Springs - Helical Couplers - Type E 64 x8 swivel shank Draft Gears - Miner Wheels - 46" Steel Journals - 6 x 12

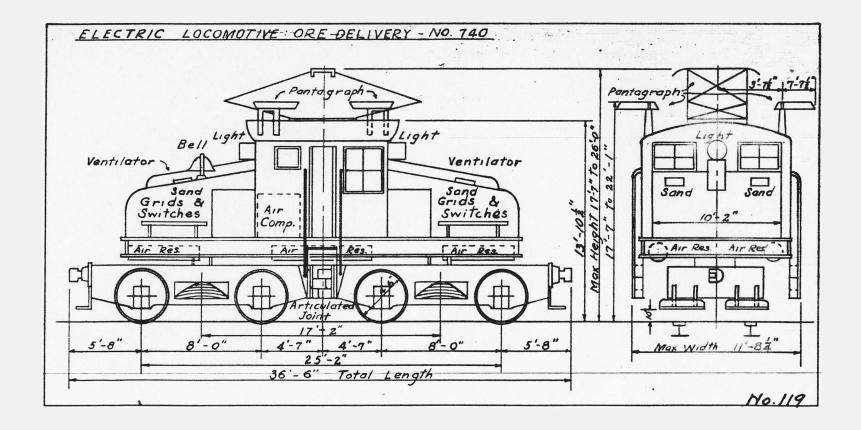
Pantagraph - Loco. 600 & 761 to 764 1-General Electric type \$544A overhead with 18ft. to 26 ft height variation Loco. 761 to 764 2 General Electric type S 204 B2 Side arm. Loco. 600 has overhead pantagraph located as in drawing no side arm pantagraph Loco. 761 to 764 have overhead pantagraph on top of cab Equipped with foot board lights Dual operating controls from either side of cab Weight in working order Loco. 600 201200 lbs. Loco. 761 to 764 171800 lbs. Starting Tractive Force

Loco. 600 50300/6s. at 25% adh.

Loco . 761 to 764

ELECTRIC LOCOMOTIVE ORE DELIVERY Nº 600

Continuous I hour Tractive Force Loco. 600 32000 /bs. of 1080 amps. of 8.8 m.p.h. Loco. 761 to 764 35000 lbs. of 1/20 amps. at 9.4 m.p.h. Continuous Tractive Force Loca 600 /7080 /bs. at 680 amps. at 10.5 m.p.h. Loco. 761 to 764 11200 lbs. at 480 amps. at 13.2 m.p.h. Max. Locomotive Speed 35 m.p.h. Gear Ratio Loco 600 (76 Geor & 17 Pinion Teeth) - 4.47 Loc8. 761 to 764 (85 Gear & 18 Pinion Teeth) - 4.72 Builder General Electric Builders No. Loco 600 - 15105 Built " " 3-1942 Received " 3-1942 Loco. 761 to 764 have I cable reel carrying 1000ft. No. 0 rubber covered cable driven by 1 CY-21 series motor.



ELECTRIC LOCOMOTIVE : ORE DELIVERY - NO. 740

Traction Motors - 4 General Electric Type G.E-HM-818-A Direct Current Continuous Rating 280 amps. - 750 volts Spring nose suspension Air Compressor - I General Electric type CP35 Rating continuous 150 cu ft/min Moster Controllers - 2 General Electric type C-505A Single unit - three speed Throttles - electric Brakes Hand-ratchet drop lever Air - Westinghouse 14-EL 4-8X8 cylinders Air Reservoirs - 2 - 16x 108 - 39974 Cu. in. 4-16 x 60 - 43436 Cu. In. Total air 83410 cu.in. Truck Frames · Steel plate sides & C.S. ends. Truck Springs - Helical and semi-elliptic Couplers = Type E 6x6 pilot Draft Gears - None Wheels - 46" Steel Journals - 62 x 12 Pantagraphs - I General Electric type S-515-C overhead with 17:3" to 26'-0" height variation

Pantagraphs Side orm-2 Gen Elect type S-204 Dual operating controls from either side of cab Loco 740 has no side arm pantagraphs. Weight in working order 185380 lbs. Starting Tractive Force-55600 at 30% adhesion Cont: I hour " "-35000 tot | 120 A-9.4 mph.

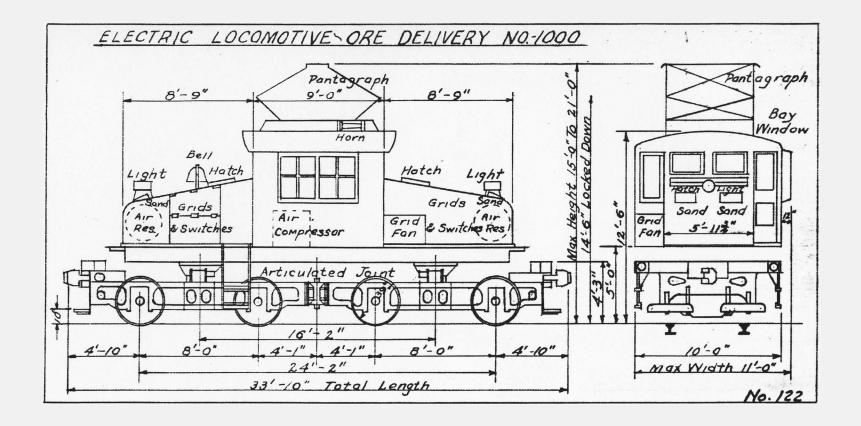
Cont: | " "32000 tot | 21% adhs. 9.7 mph.

Continuous " "-1/200 tot | 480 A.-/3.2 mph. all the above at 675 volts Max. Locomotive Speed - 30 m.p.h. Gear Ratio (85 gear & 18 pinion teeth) - 4.72 Sand Capacity -Builder - General Electric <u>Loco.No.</u> <u>Builder No.</u> <u>Built</u> <u>Received.</u> <u>737</u> <u>10881</u> <u>8-1929</u> <u>9-1929</u> 740 | 10884 9-1929 | 10-1929 741 | 10885 9-1929 | 10-1929 Loco. 704 to 723 & 725 to 747 have 1-cable reel MVR-104-F2 Carrying 2500 ft. No. O A. W.G. rubber covered cable driven by I CY-21 Series motor

ELECTRIC LOCOMOTIVE: ORE DELIVERY NO. 740

Loco. 700 - 702 - 703 - 724 are battery type
with 120 cell Type MVA 41 plate
in 40 trays

Motor Generator: motor type RF13 amp 78
form AA
generator type DC113 shuntmore
amp 133 form AA



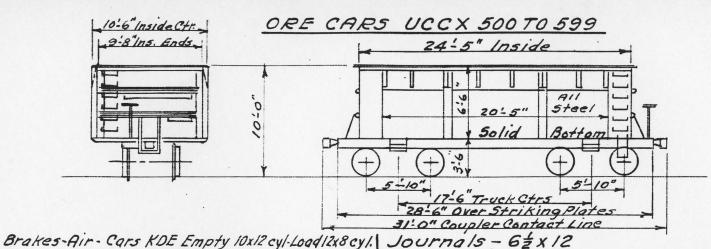
ELECTRIC LOCOMOTIVE - ORE DELIVERY NO-1000

Traction Motors - 4 General Electric Type-G.E.-69-C direct current control hour rating 280 amps. 600 volts Air Compressor - I General Electric-Type CP-26 Master Controllers - 2 General Electric Type M multiple unit Throttles - electric Brakes - Hand Ratchet droplever Air-General Electric schedule LT 4-10X10 cylinders Air Reservoirs - 2 - 34 x 46 - 81090 cu. in. Truck Frames - C.S. Truck Springs - Semi-elliptic Couplers - A end - Type E 6X8X2/4 riveted B end-Type E 5X7X/62 riveted Draft Gears - A end - Rubber pads (Co. shop make) Bend-Twin spring-single pocket Wheels - 39" Steel Tires Journals - 6X/3 Pantagraph-General Electric Type S.169 overhead

with 15ft. to 21ft height variation

Equipped with foot board lights Weight in working order 165740 lbs. Starting Tractive Force 40000/bs at 450 A. at 25% adhesion Control hour Tractive Force 22200168 at 1/20 amps. - 6.3 m.p.h. Max. Locomotive Speed 40 m.p.h. Gear Ratio (68 gear + 18 pinion teeth) 3.77 Min. radius of curvature 100 ft. Sand Copacity -Builder - General Electric Builder No. Loco. 1000 - 6363* Loco. 1001 - 2463 Built 12-1917. Purchased S. H. from Manufactures Ry. Supply Co. ST. Louis. Received - 6-1924

dota 7-1945



Brakes-Air-Cars KDE Empty 10x12 cyl-Load 12x8 cyl.

Cars AB Empty 8x12 cyl-Load 10x10 cyl.

Hand Staff
Simplex Clasp Brakes

Couplers-Type D&E 6x8x214" shank horz keyed

Draft Gears-Westinghouse & Miner

Wheels - 33" Steel

Truck Frames - Dalman Vulcan

Journals - 6 ± x 12

Copper Piping in cars with AB Air

Capacity 200000 lbs-1645 Cu.Ft. Level

1845 Cu.Ft. 30°Heap

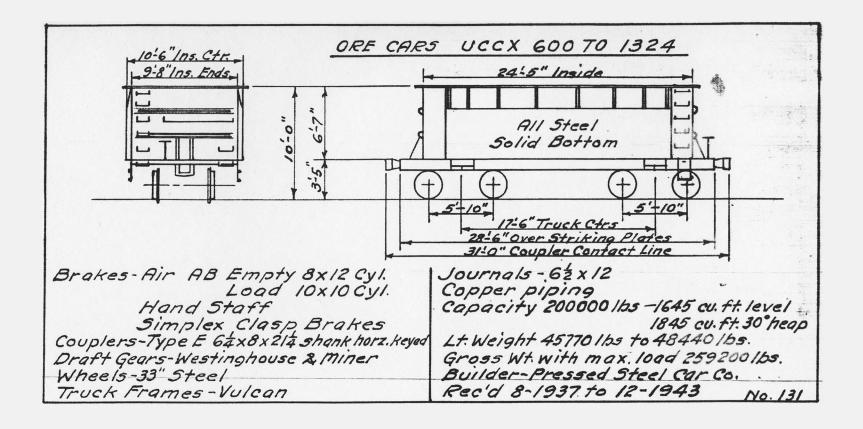
Lt. Weight 54800 lbs

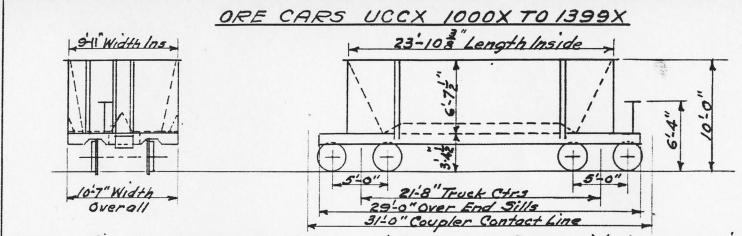
Gross Wt with Max. Load 267400 lbs.

Builder-Pressed Steel Car Co.

Rec'd 9-1929

No. 130





Brakes-Air K Empty 10x12 cyl.

Load 10x12 cyl.

Hand Staff

Couplers Type D&E 6x8x144 shank vert keyed

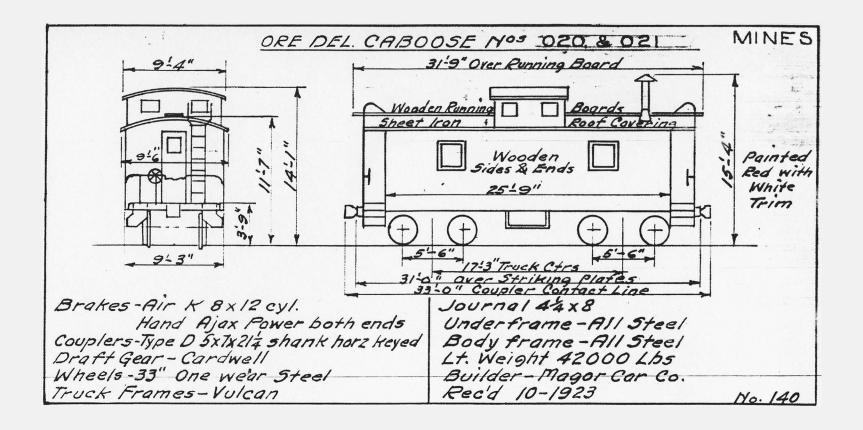
Draft Gears-Westinghouse & Miner

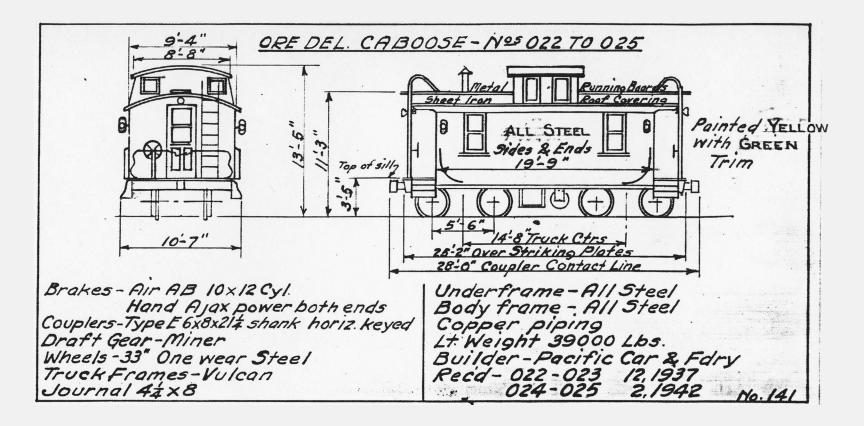
Wheels 33" Steel & Cast Iron

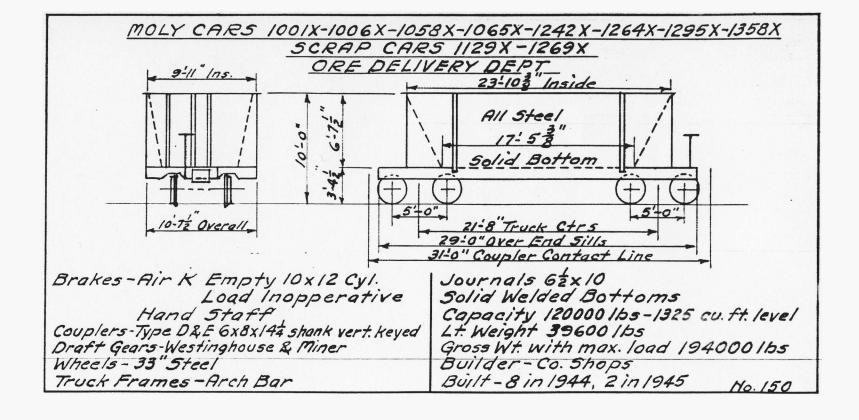
Truck Frames - Arch Bar

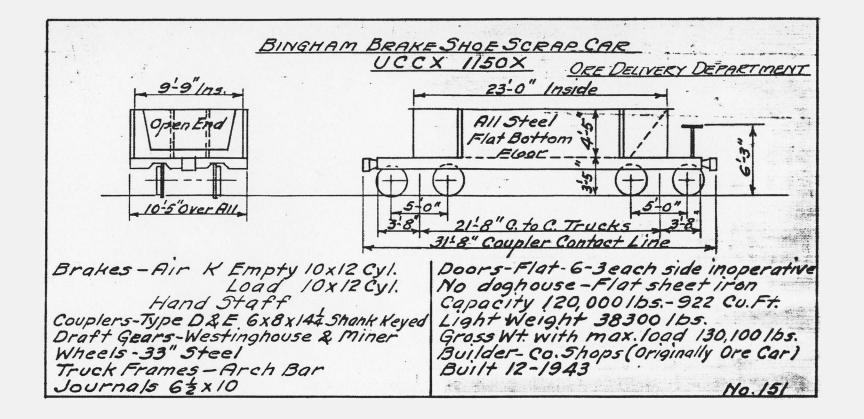
Journals - 62x10

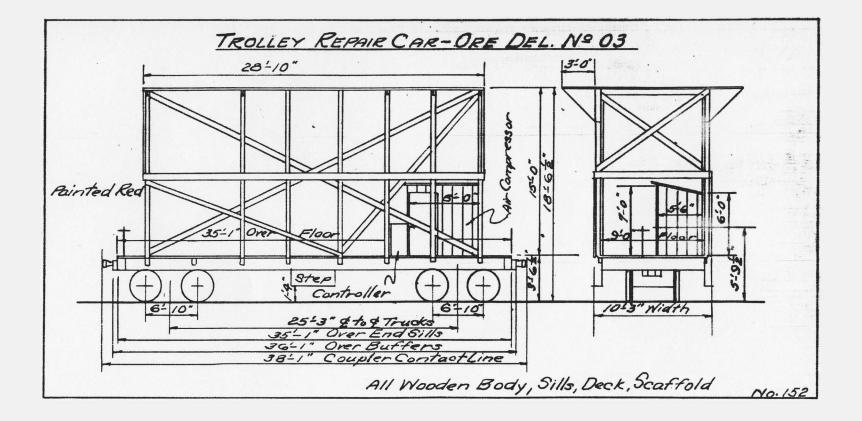
Doors-Flat-3 each side (Inopperative)
Capacity-120000Lbs-1290 cu.ft. level
1490 cu.ft. 30° heap
Lt. Weight 42200 Lbs.
Gross Wt. with max. load-ore 207600Lbs
Builder-Pressed Steel Car Co.
Recid 9,1917
No. 132











TROLLEY REPAIR CAR- ORE DEL. Nº 03

Brakes - Air K 10x12 cyl.

Compressor

Hand Staff

Couplers - A End Tower 54x6x24 shank

B End Latrobe 5x5x214 shank

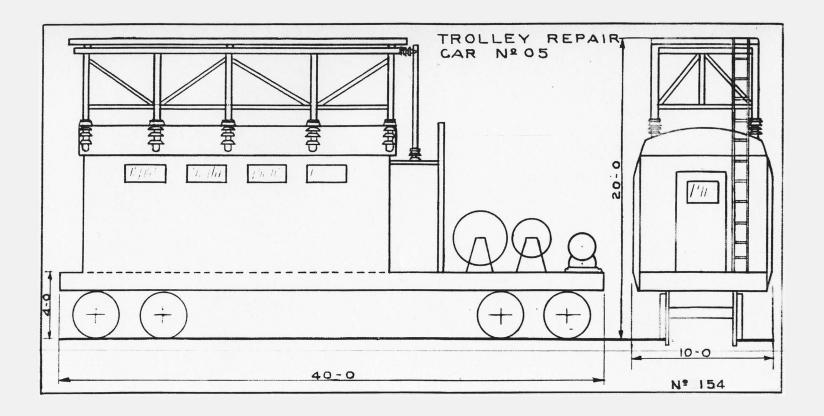
Draft Gears - Miner Tandem DoubleSpring
Wheels - 30" Cast Iron

Trucks - Metal Electric Traction Motors

Journals - 3-3/4x7

Brake Beams - Metal outside hung 5" I-beam

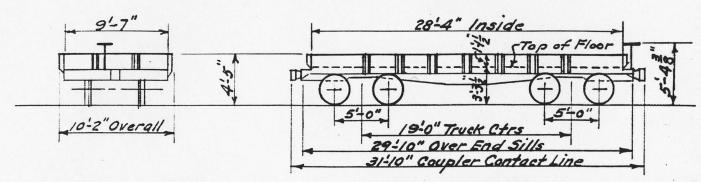
Electric Driven Compressor 35 min Controller-Westinghouse A.C. Rheostatic Drum Type K No. 50 8/2749 Motors - 4 Model 54 G.E 25 H.P. 250 volt Capacity - 40000 16s. Car & Contents-48000 lbs. Builder-Co. Shops - Body from old Flat Car B&G No. 43 B&G No.43 Recid - 3-1916 Traction Motors from UCCo. Mine underground elec. loco. Built- 9-1924



TROLLEY REPAIR CAR Nº 05 BUILT IN MAGNA CAR SHOP JULY 1947 LIGHT WEIGHT 53,140 LBS.

DEPT. OF MILLS

FOUNDRY FLAT CAR UCCX 08, 0× DEPT OF MILLS



Brakes-Air K 10x12 cyl.

Hand Staff

Couplers-Simplex 6x8x144 shank riv.

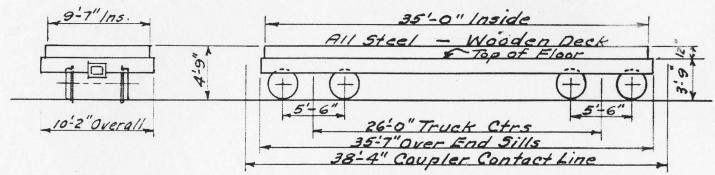
Draft Gears-Westinghouse

Wheels-33" Cast Iron

Truck Frames-Vulcan

Journals 62x10
Capacity 120000 lbs
Lt. Wt. 33900 lbs
Builder-Co. Shops (Originally
Concentrate Car BG 2108)
Built 9-1929
No. 202

FOUNDRY FLAT CAR UCCX 11081 DEPT OF MILLS



Brakes-Air K Empty 10x12 Cyl.

Load 10x12 Cyl.

Hand Staff

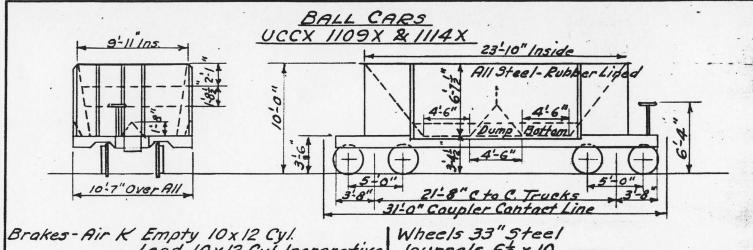
Couplers-Sharon 5x7x212 shank riveted

Draft Gears-Spring & follow, double pocket

Wheels 33" Cast Iron

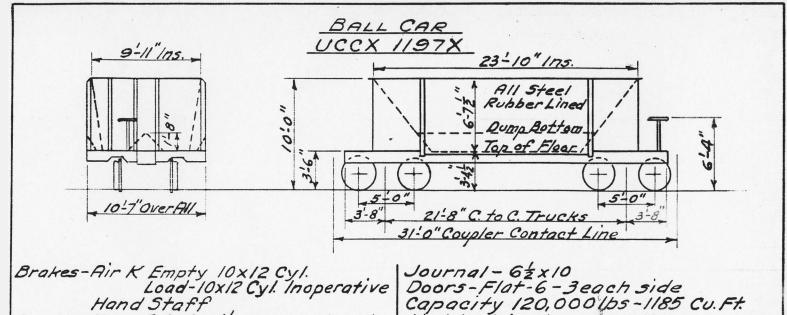
Truck Frames - Arch Bar

Journals 52x10
Capacity 100000 lbs
Lt. Wt. 30000 lbs approx.
Purchased S.H. from Copper River &
Northwestern R.R. (Alaska)
Builder-Unknown
Rec'd- 11, 1938
No. 203



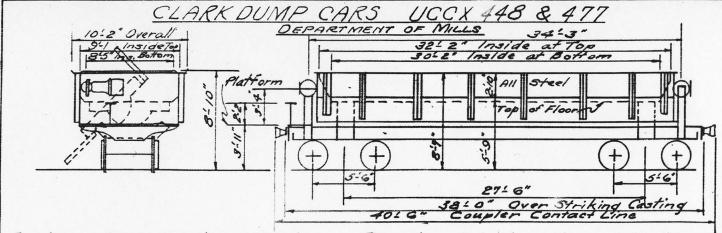
Load 10 x 12 Cyl. Inoperative
Hand Staff.
Couplers-1109 A End Simplex 5x7x144 Shank Riv.
B End Type E 6x8x144 Shank Keyed
1114 A End Type D 6x8x144 Shank Keyed
B End Type D 6x8x144 Shank Riv.
Draft Gears-Westinghouse & Miner
Truck Frames - Arch Bar

Wheels 33" Steel
Journals 62 x 10
Doors-Flat 4 - 2 each side
Capacity 120,000 lbs 1128 Cu.Ft.
Light Weight -1109-44800 Lbs
Gross Wt. with max. load - 226900 Lbs.
Builder-Co.Shops (Originally Ore Cars)
Built -8-1929
No. 205



Couplers-Type E 6x8x/44 Shank Keyed
Draft Gears-Westinghouse & Miner
Wheels - 33" Steel
Truck Frames - Arch Bar

Doors-Flat-6-3each side Capacity 120,000/bs-1185 Cu.Ft. Light Weight 44200/bs Gross Wt. with max. load 226900/bs Builder-Co.Shops (Originally Ore Car) Built 5-1943



Brakes - Air K Empty 10x12 cyl.

Load 10x12 cyl.

Hand Staff

Couplers-Type D 6x8x214 shankriveted

Draft Gears - Westinghouse

Wheels - 33" Steel

Truck Frames - Vulcan

Journals - 62x10

Dumping Cyl. I each end 16x30 cyl.

Min. working pressure 80 sq.in.

Capacity-12000001bs.-772 cu.ft.-28.5 cu.yd level

1042 cu.ft. 30° heap

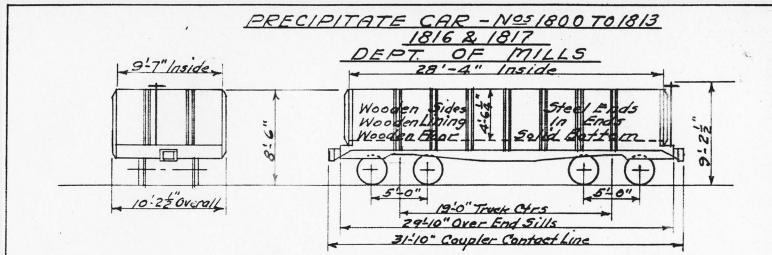
Lt. Wt. 673001bs. Gross Wt. With max load 1924001bs

No. 208

CLARK DUMP CARS UCCX 448 & 477

Builder - 448 Standard Steel Car Mfgr. 411 Bethlehem Steel Co. Rec'd. 448 - 8-1916, 477 - 11-1923

TRANSFERED TO MINES



Brakes-Air K 10x12cyl.

Hand Ajax & Miner Power

Couplers-Type D&F 6x8x144 shank riv.

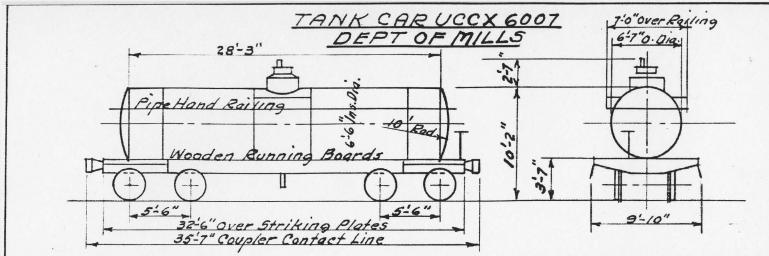
Draft Gears-Westinghouse & Miner

Wheels 33" - Cast Iron & Steel

Truck Frames-Vulcan

Journals - 63x10

Capacity 120000 155-1151 Cu.Ft Level
Lt Weight 43600 155.
Gross weight with max load 188200 155
Builder - Co. Shops
Built 8 in 1942. 2 in 1943
4 in 1944 2 in 1945
No. 210



Brakes-Air AB 10x12 cyl.

Hand Staff

Couplers-Type D&E 5x7x144 shank riv.

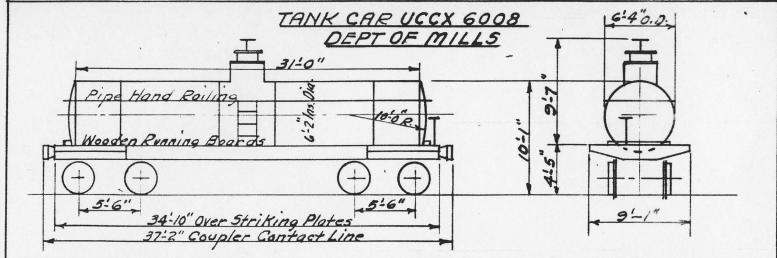
Draft Gears-Westinghouse

Wheels-33" Cast Iron

Truck Frames-Vulcan

Journals-52x10

Capacity-100000 lbs-7000 Gals stenciled 7500 Gals without internal heating pipes Heater pipes connected Lt. Wt. 40400 lbs Gross Wt. with max.load-oil 90000 lbs Builder-General American Tank Car Rec'd 6-1917



Brakes-Air K 10x12 cyl.

Hand Staff

Couplers-Sharon 5x7x214 shank riv.

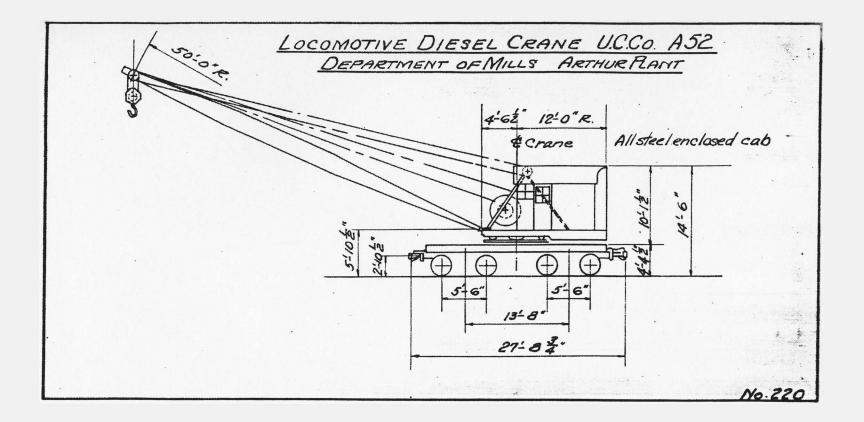
Draft Gears-Cardwell

Wheels 33" Cast Iron

Truck Frames-Arch Bar

Journals 52x10

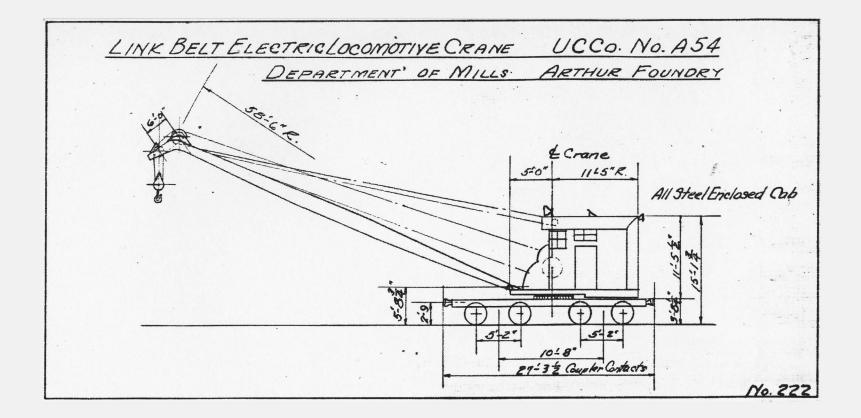
Capacity 100000 Lbs 7000 Gals Stenciled
7300 Gals without internal heating pipes
Heater pipes disconnected but internal
Lt. Wt. 41400 lbs
Gross Wt. with max. load
Builder-General American Tank Car
Rec'd 6-1917



LOCOMOTIVE DIESEL CRANE U.C.Co. A52

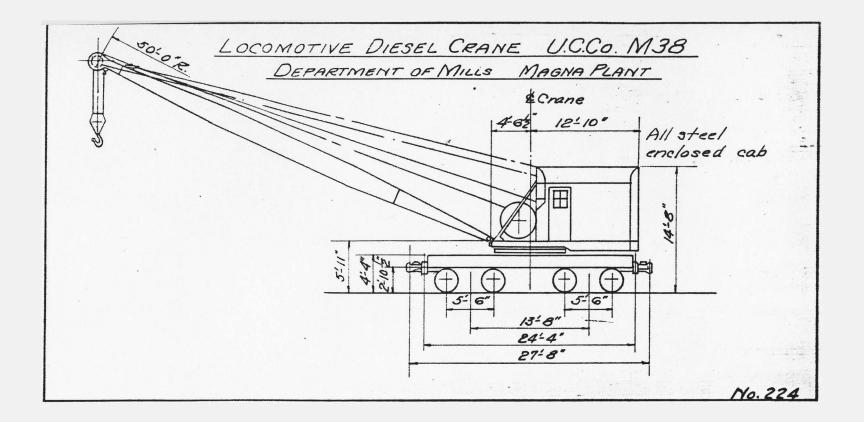
DEPARTMENT OF MILLS ARTHUR PLANT

Electric Generator-Westinghouse 250 v. Brakes - Airtrain line piped through Compressor-Westinghouse type Y Equipped to handle magnet-self powered Brakes on one truck only Lifting Capacity (no outrigger) Radius Weight Hand-None 50000 163. Couplers - Type D 6x8x214 shank horz. keyed 12 ft. Draft Gears-Edgewater 15 37800 Wheels - 33" Cast Iron 20 26400 Truck Frames - Bettendorf 25 20000 Journals - 5 2 x 10 16000 Fairbanks Morse Diesel engine 35 13200 Model 36-A-52 6cyl- 4cycle. 11200 Bore 52 Stroke 72 45 9600 144 B.H.P. at 1160 r.p.m. at sealevel 50 8400 Lub. oil capacity 6 gals. Working Radius-Max. 50ft. Min. 12ft. Modine cooling system-capacity 30 gals. Weight with block & hook 144000 lbs. Air Reservoir - 4 cu. Ft. Builder - Industrial Brownhoist Corp. Fuel Tank capacity - 65 dals. Builder No. 10884 Recid. 3-1937



LINK BELT ELECTRIC LOCOMOTIVE CRANE UCCO. No. A54 DEPARTMENT OF MILLS ARTHUR FOUNDRY. Brakes - Air none Lifting Capacity Hand none Radius No Outridger Couplers - Simplex 5x7x214 shank riveted 15 ft. 36000 lbs. Draft Gears - Single Spring Pocket 20 27000 Wheels - 33" Steel 25 20000 Truck Frames - Bettendorf 30 16000 Journals - 57 x10 35 13000 Electric power furnished through cable 11000 Motor - G.E. type C.O. class 2007 form G 70 H.P. 460 R.P.M. 230 Volt D.C. 45 9200 7800 Controller - G.E. 3100 Drum type Max. Working Radius 50ft. Min. Working Radius 15ft Weight with block & hook 159900/bs. Builder - Link Belt Builder No. 500 . Rec'd. 2 1918

No. 223

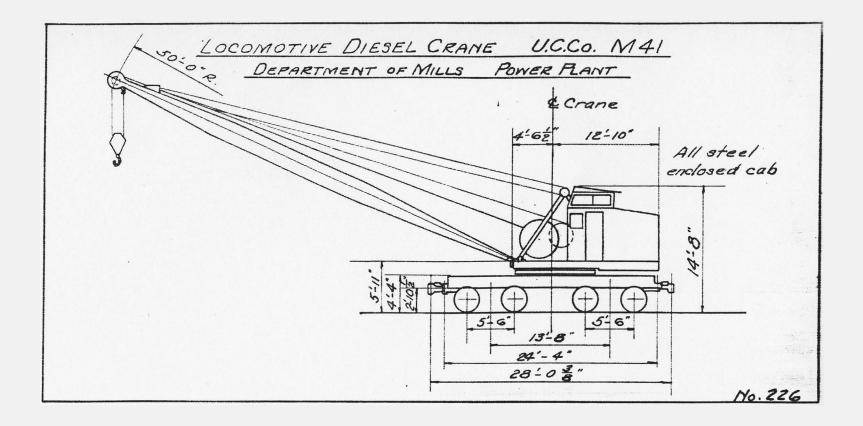


LOCOMOTIVE DIESEL CRANE U.C.CO. M38 DEPARTMENT OF MILLS MAGNA PLANT

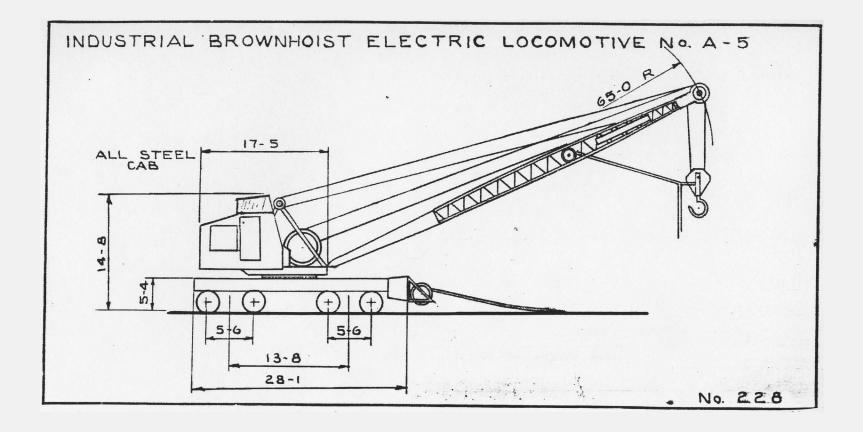
Brakes-Air 8x12cyl. Train line piped through Lifting Capacity (no outrigger) Compressor-West indhouse type Y Radius Weight Brakes on one truck only 12 ft. 50 000 /ba. Hand none 15 38200 Couplers - Type D 6x8x214 shank horz. keyed 20 26500 Draft Gears - Edgewater 25 20000 Wheels-33 "Steel outside-One wear steel inside 30 15800 Truck Frames - Bettendorf 35 13500 Journals-52x10 40 11300 Caterpillar Dieselengine D13000-6cyl. -4cycle 45 9 600 Bore 54 Stroke 8 50 8400 132 BHP at 1000 r.p.m at sealevel Weight with square bucket 150000/6 Lub. oil capacity - 8 gals. Weight with block & hook 145 00 lbs Modine cooling system-capacity 30 gals. Builder-Industrial Brownhoist Corp. Air Reservoir - 4 cu.ft. Builder No. 10989 Type No.5 Fuel Tank Capacity - 65 gals. Received -1-1940

Working Radius-Max. 50ft. Min. 12ft.

No. 225



LOCOMOTIVE DIESEL O	CRANE U.C	.Co. M41	,
DEPARTMENT OF MILLS POWER PLANT			
Brakes - Air 8x12cyl. Train line piped throu	gh Lifting C	apacity Cno outr	igger)
Compressor-Curtis Model F	Radius	Weight	
Single stage-single cyl.	12 ft.	50000 lbs.	
Brakes on one truck only Hand Staff	15	38000	and the second s
Hand Staff			
Couplers - Type E 6x8x21 shank horz.	25	20000	
keyed- Undercut	30	15800	
Draft Gears - Edge water	35	13200	
Wheels - 33" Steel	40	11000	
Truck Frames - Bettendorf	45	9500	
Journals - 52 x 10	50	8200	
Caterpillar Diesel engine D1100 - 6cyl.	Working Radius-Max 50ft. Min. 12ft.		
120 HP. at sealeyel 54x8	Weight with bucket 148300 lbs.		
No load gov. r.p.m. 1080	Weight with line		
Fuel Tank 65 gals.	Weight of bucket		
Water radiator	. Builder-Industrial Brownhoist Corp.		
Lub. Oil 9 gals.	Builder No. 11390 Type No.5		
Air Reservoir - 42 cu ft.	Received 2	- 1944	No. 227



No. A-5 INDUSTRIAL BROWNHOIST	ELECTRIC LOCOMOTIVE No. A-5		
CRANE No. 11908, MOTOR MODEL 29827	TAKE UP REEL, SINGLE SHEAVE		
25 TON SINGLE D.C. MOTOR	HOOK BLOCK		
94 H.P. 435 R.P.M. 230 VOLT.	MOTOR DRIVEN TAKE UP REEL 600 FT.		
345 AMPERS SERIES WOUND MOTOR	SINGLE CONDUCTOR TIREX CABLE		
65FT SPLICE BOOM & CENTER INSERTS	TO SUPPLY CRANE		
BOOM HOIST CABLE \$ x 450 FT.	NIGHT LIGHTS TWO 100 WATT LIGHTS		
TWO INDEPENDENTLY OPERATED	ON THE BOOM TWO 300 WATT LIGHTS		
HOIST DRUMS	ON CAB THREE LIGHTS IN CAB &		
ANTI FRICTION BEARINGS	TROUBLE LIGHTS		
TAKE IN CURRENT BY PLUG IN	24000 LBS. BALLAST		
AIR COMPRESSOR AIR COOLED	LIFTING CAPACITY		
AIR OPERATED MAIN HOIST TRAVEL &	RADIUS LBS RADIUS LBS		
SWING CLUTCHES	17 FT. 31900 45 FT. 9000 25 19400 50 1700		
STRAIGHT AIR BRAKES TO EIGHT WHEELS	35 12600 55 6700 40 10500 60 5800		
MAGNET CONTROL, MAGNET CABLE &	G5: 5100		
	RECEIVED FEB,1949 No 229		

