

EQUIPMENT NEEDED FOR PURCHASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
28	111A100W1	18,000+	Interior or Non-Coiled, In-Plant Service Only		11229
1	111A100W3	20,000	Exterior Coils, Insulated, Storage Only	Vegetable Oil	11022
3	111A100W3	20,000-26,000	Exterior or Interior Coils, Insulated, Inexpensive, Storage Only	Wax	11259
<i>ANY</i>	<i>111A100W1</i>	<i>20,000-30,000</i>	<i>Non-Coiled, Non-Insulated, Top & Bottom Unloading, 50 Year Cars</i>	<i>Various</i>	<i>11283</i>
10-20	111A100W3	23,500	Exterior Coils, Insulated	Asphalt	10989
ANY	112J340W	33,500	Non-Coiled, Insulated, Top Unload Only	LPG	10734, 11143
150	BOX	50'-60'	70 or 100 Ton Trucks, Plug Doors	Paper	11127
10-15	FLAT	53'-54'	Needs 53-54' Between Bulkheads, In Plant Only		11135
20-30	GONDOLA	52'+	52' 6" Inside Length, 4' 6" High Sides	Pipe	11237
20	GONDOLA	3,800-4,200	100 Ton Trucks		11112
150+	GONDOLA	4,000	100 Ton Trucks, Flat Bottom or Bath Tub		10841
6-10	HOPPER	1,800-3,200	Gravity Gates	Stone	11281
20	HOPPER	2,350	Rapid Discharge	Cement / Lime	10829
15	HOPPER	3,000+	Customer Will Modify	Grain	11103
50-150	HOPPER	4,000	100 Ton Trucks, 36% or More Slope Sheets	Aggregate	11033
10	LO	4,400-4,800	Trough Hatches, Gravity Gates, Inexpensive, Not For Interchange	Grain	11129
15	LO	4,650	Trough Hatches, Gravity Gates		11049
10-20	LO	4,750	Trough Hatches, Gravity Gates	Corn	11100
12-24	LO	4,750	Trough or Round Hatches, Gravity Gates	Small Aggregate	11042
25	LO	3,000	Trough Hatches, Gravity Gates	Cement	11099
1	LO	5,250	Round Hatches, Pneumatic Gates	Plastic Pellets	11065
20	PD	3,000	14.7 PSI	Cement	10960

Rails as We See Them Today, Part II

In the first part of this subject we had arrived at the use of rails made completely of iron. These first rails were only 3 feet long, were 4 inches wide and made use of a 3 inch upright flange on the inside edge to keep the wheels on the track. This type of rail worked well, but objections were raised to the difficulties in crossing these flanges.

This difficulty could be overcome by paving the roads to the level of the top of the flanges, but in the late seventeen hundreds, William Jessop, of the Butterley Iron Works near Derby, England, proposed to get over it by laying down two plates of iron, perfectly flat and level with the road but each having on its outside a groove 3/4 in. wide and 3/4 in. Deep. This was intended for use with wheels with an additional larger guide wheel attached to the outside of the load bearing wheel designed to run in the grooves.

These plans were used for the Nanpantan line and the rails were laid out with a distance of 5 feet between the guide wheels. Before the line was opened Jessop decided to place the guide wheel on the inside of the load wheel, and also to cast them together as one. This arrangement allowed the rails themselves to keep the wheels in position on the axles. In one change, he not only created what is in essence the modern flanged wheel, but some would argue, he also established the standard gauge, 4 feet - 8 inches or 5 feet minus the width of his two rails.

1. www.1911Encyclopedia.org Railways article

Items Highlighted In Italics Designate New Listings

THE INSIDE TRACK



RAILWAY EQUIPMENT LISTING
Published By: **TRANSMATRIX, INC.**

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EQUIPMENT AVAILABLE FOR LEASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	LAST CONTENTS	REF #
6	105J300W6	13,900	Stainless Steel, Non-Coiled, Insulated, Top Unloading Only	Chlorosulfonic Acid	11231
7	105A100W3	20,000	Non-Coiled, Insulated, Top Unloading, Gauging Devices		10695
2	111A100W5	20,000	Non-Coiled, Non-Insulated, Top Unloading Only, Natural Rubber Lined	Hydrochloric Acid	11279
6	105A300W	20,500	Non-Coiled, Non-Insulated, Top Unloading Only, 2 Year Minimum	Anhydrous Ammonia	10310
<i>4-7</i>	<i>111A100W1</i>	<i>23,500</i>	<i>Non-Coiled, Non-Insulated, Top Unloading Only</i>	<i>Toluene</i>	<i>11299</i>
15-20	112J340W	33,500	Non-Coiled, Insulated, Top Unloading Only, Summer Months Only	Propane	10236
11	BOX	50'	100 Ton Trucks, 6,100 Cubic Foot, Plate F, Double Plug Doors		11230
14	BOX	50'	100 Ton Trucks, Plug Doors, Plate C, Nailable Steel Floors		11168
50	BOX	50'	70 Ton Trucks, Single Plug Doors		10942
56	BOX	50'	70 Ton Trucks, 1 Year Full Service Lease		10752
40	FLAT	51' 6"	Bulkheads, 70 Ton Trucks		10927
50	FLAT	60'	70 Ton Trucks, 57' Between Bulkheads		10926
28	FLAT	60'	100 Ton Trucks, Bulkheads, 5 Year Minimum		11148
<i>55</i>	<i>GONDOLA</i>	<i>4,000</i>	<i>Flat Bottom, Rotary Couplers, Coal Only</i>	<i>Coal</i>	<i>11301</i>
2	LO	4,600	Trough Hatches, Gravity Gates, 5 Year Minimum		11285
<i>200</i>	<i>LO</i>	<i>4,750</i>	<i>Trough Hatches, Gravity Gates</i>		<i>11311</i>
7	PD	2,785	15 PSI, Short Term	Gypsum	11211
1	PD	3,000	15 PSI, 5 Compartments	Cement	11117

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EQUIPMENT NEEDED FOR LEASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
20-30	111A100W3	13,000	Exterior Coils, Insulated, Lined, Top Unloading Only	Molten Sulfur	11201
3	105J600W3	13,500	Non-Coiled, Insulated, Top Unloading Only	Anhydrous Hydrogen Chloride	11268
50	111A100W2	13,500	Non-Coiled, Non-Insulated, Top Unloading, Lined or Lineable	Sulfuric Acid	11125
10-20	111A100W3	16,000	Exterior Coils, Insulated, Top & Bottom Unloading	Sodium Silicate	10995
2-3	111A100W3	16,000+	Exterior Coils, Insulated, Lined, Top & Bottom Unloading	Calcium Chloride	11252
ANY	111A100W3	16,500	Exterior Coils, Insulated, Lined, Short or Long Term	Caustic Soda	11039 11256
100-150	105A500W	17,300	5-10 Year Lease	Chlorine	11186
8	105J500W	17,500	Must be 1990 Built or Newer, Long Term Lease	Chloro Silane	11081
ANY	105S200W 112S200W	20,000	Will Line, Long Term Lease	Chlorinated Solvents	10903
2	111A100W1	20,000	Non-Coiled, Non-Insulated	Amines	11190
1	111A100W1	20,000	Exterior or Interior Coils, Top & Bottom Unloading	Lignin Liquor	11167
20-30	111A100W1	20,000	Non-Coiled, Non-Insulated, Top & Bottom Unloading, Lined	Calcium Chloride	11169
1-2	111A100W1	20,000-25,000	2 or 3 Compartments, Exterior or Interior Coils, Top & Bottom Unloading	Hydraulic Oil	11126
10	111A100W3	23,000-26,000	Exterior Coils, Insulated, Bottom Unloading, 3 Year Minimum	Tallow	11274
10	111A100W3	23,500	Exterior Coils, Insulated, 1 Year Term	Vegetable Oil	11146
6-8	111A100W3	23,500-27,000	Exterior Coils, Insulated, 6-12 Month Lease	Petroleum Wax	11194
80	111A100W1	26,000	Non-Coiled, Non-Insulated, Top & Bottom Unloading	Crude Fuel Oil	11228
3	111A100W1	26,000-30,000	Non-Coiled, Non-Insulated, Top & Bottom Unloading	Lube Oil	11314
20-30	111A100W1	30,000	Non-Coiled, Non-Insulated, Open Term	Diesel	11253
25-30	111A100W1	30,000	5 Year Term	Ethyl Alcohol	11089
25-50	111A100W1	30,000	5 Year Term	Ethanol	11009
20-30	112J340W	33,500	Non-Coiled, Insulated, Top & Bottom Unloading, 2-3 Years	LPG	11316
10-20	112J340W	33,500	September, 2005 Through March	LPG	11094
50	BOX	50'-60'	100 Ton Trucks, Plate C, Plug Doors		11278
60-80	BOX	50' - 60'	100 Ton Trucks		11226
ANY	BOX	60'	100 Ton Trucks	Rock Pellets	11016
2-3	BOX	60'	Plate C, Load Dividers, Long Term Lease	Bagged Clay	11015
100	FLAT	89'	100 Ton Trucks, Short or Long Term		11149
15-20	GONDOLA	65'	Flat Bottom		11170
100	GONDOLA	4,000+	Rotary Dump	C & D	11272
100	GONDOLA	6,100+	Flat Bottom, 6,100 Cubic Foot or Larger	Construction Debris	11250
190	HOPPER	2,000	Rapid Discharge Gates, 1-5 Year Lease	Limestone	11093

Items Highlighted In Italics Designate New Listings

EQUIPMENT NEEDED FOR LEASE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	PRODUCT	REF #
40-80	HOPPER	2,000+	45 Degree Slope, 4 Gates, Long Term Lease	Aggregate & Sand	11012
100	HOPPER	3,850	Gravity Gates	Aggregate	11257
30-40	HOPPER	6,000+	Needs End Gates	Woodchips	11120
40-60	LO	2,800-3,500	100 Ton Trucks, Round or Trough Hatches, 2 Compartments	Sand	11059
10-20	LO	3,000+	Round Hatches, Gravity Gates	Cement	11121
4-5	LO	4,100+	Trough Hatches, Gravity Gates, Short or Long Term	Ruminant Meat & Bone Meal	11152
4	LO	4,650	Trough Hatches, Gravity Gates, Lined	Urea	11200
40-50	LO	4,650	Round Hatches, Gravity Gates	Calcium carbide	10965
50	LO	4,750	Trough hatches, Sliding Gravity Gates	Fertilizer	11305
ANY	LO	4,750	Trough Hatches, Gravity Gates, Long Term	Ammonium Sulfate	11180
50-100	LO	4,750	Trough Hatches, Gravity Gates, 5 Year Lease	Pebble Lime	11144
12	LO	5,250	Trough or Round hatches, Gravity Gates	Distillers Grain	11312
1	LO	5,250+	Round Hatches, Pneumatic Gates, Lined	Plastic Pellets	11210
75	LO	5,750+	Round Hatches, Pneumatic Gates	Plastic Pellets	10919
20-60	PD	3,000	15 PSI, 1 Year Term	Cement	10864
15	PD	3,500+	15 PSI, 3 Year Term	Cement	11047
3	PD	4,000+	15 PSI, 1-5 Year Lease	Silicon Dioxide	11184

EQUIPMENT AVAILABLE FOR SALE

# OF CARS	DOT / CLASS	CAPACITY	COMMENTS	LAST CONTENTS	REF #
15	111A100W1	11,650	Insulated, Sparger System	Titanium Dioxide	11162
29	111A100W2	13,500	Non-Coiled, Non-Insulated, Lined, Top Unloading Only	Sulfuric Acid	11134
11	111A100W1	14,000	Insulated	Clay Slurry	11161
1	111A100W1	22,500	Interior Coils, Non-Insulated, In Plant Service Only	Vegetable Oil	11270
1	112J340W	33,500	Non-Coiled, Insulated, Top Unloading Only, Storage or In-Plant Service Only	Anhydrous Ammonia	11213
185	BOX	50'	70 Ton Trucks, Plate B, Rigid Underframes, Single Sliding Door		11276
30	BOX	50'	70 Ton Trucks, Double Sliding Doors		11214
50	BOX	50'	286,000 Capacity		10908
3	BOX	60'	100 Ton Trucks, Sliding Doors		11083
45	FLAT	50'	With Log Bunkers	Pulpwood	11040
2	HOPPER	7,000	Gravity Gates	Wood Chips	11114
27	LO	4,566	Airslides, 2 Compartment, 10 Round Hatches	Starch	11271

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