



**Circular No. 380-S**  
**Freight Equipment**

**July 1, 1948**

**(Cancels Circular No. 380-R, November 1, 1946)**

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**The Atchison, Topeka and Santa Fe Railway System**

C O P Y  
M A D E

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Issued by  
**J. J. MAHONEY**  
General Superintendent of Transportation,  
CHICAGO, ILL.



# THE ATCHISON, TOPEKA & SANTA FE RY.—CONTINUED.

## FREIGHT EQUIPMENT—Continued.

Item Number. A. A. R. Wash. Designation	MARKINGS AND KIND OF CARS.	NUMBERS.	DIMENSIONS.															CAPACITY.		Number of Cars.									
			INSIDE.			OUTSIDE.									DOORS.				Cubic Feet Level Full.		Pounds or Gallons.								
			Length	Width	Height	LENGTH.			WIDTH.			HEIGHT FROM RAIL.			SIDE.		END.												
						ft.	in.	ft.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.		in.	ft.	in.						
Brought forward																				5265									
1 XAR	Auto Loader, (Note L) Slagg. Doors.	87350 to 87449	50	6	9 5	10 5	51	3	8	6	10	8	8	8	13	8	15	1	15	1	14	6	9	8	4501	80000 lb	100		
2 XAR	" " Note L	87450 to 87499	50	6	9 5	10 5	51	3	8	6	10	8	8	8	13	8	15	1	15	1	14	6	9	8	4527	80000 lb	50		
3 XMR	" " Note L	87500 to 87599	50	6	9 2	10 4	51	3	8	8	10	8	8	8	13	8	15	1	15	1	14	6	9	9	4527	80000 lb	90		
4 XM	Box	32001	40	6	8 6	9	41	5	9	4				12	8	13	9	14	4	6	8	6	1	0	3098	80000 lb	1		
5 XM	" "	32343 to 35600	36		8 6	8	37		9	8				12	5	13	2	14	8	6	7	6	2	0	8	2448	60000 lb	6	
6 XM	" "	35632 to 36501	36		8 6	8	37		9	7				12	6	13	2	15	1	6	7	6	2	0	8	2448	80000 lb	208	
7 XM	" "	36950 to 36988	40	6	8 6	8 6	41	1	8	11	8	11		12	5	13	2	13	9	6	7	10			3069	80000 lb	17		
11 XAP	Steel Sheathed	37000 to 37024	40	6	9 2	10	42	2	9	4	10	8	5	4	14	2	14	8	14	8	6	9	4			3712	80000 lb	25	
12 XAP	" "	37050 to 37072	50	6	9 4	10 6	51	1	9	6	10	9	8	8	14	5	15	1	15	1	8	9	10			4925	100000 lb.	51	
13 XAP	Steel Sheathed, Engines.	37100 to 37159	50	6	9 4	10 6	51	1	9	6	10	8	8	8	14	5	15	1	15	1	8	9	10			4925	100000 lb.	10	
14 XAP	" "	37175 to 37184	50	6	9 4	10 6	51	1	9	6	10	9	8	8	14	5	15	1	15	1	8	9	10			4923	100000 lb.	10	
15 XAP	" "	37188 to 37199	50	6	9 5	10 6	51	1	9	6	10	9	8	8	14	5	15	1	15	1	8	9	10			6018	100000 lb.	11	
16 XAP	" "	37210 to 37282	40	6	9 5	10 6	41		9	4	10	9	5	5	14	6	15	1	15	1	6	9	9			4827	100000 lb.	41	
17 XAP	" "	37300 to 37326	40	6	9 4	10 6	41		9	4	10	9	5	5	14	6	15	1	15	1	6	9	9			3995	100000 lb.	17	
21 XAP	" "	37370 to 37373	40	6	9 4	10 6	41		9	4	10	9	5	5	14	6	15	1	15	1	6	9	7			3995	100000 lb.	4	
22 XM	Brick	40006 to 40024	39	5	8 2	7 3	41	3																	2373	45000 lb.	4		
23 XI	" "	40100 to 40141	39	8	8 4	7 8	40	9	9	4				12	4	13	4	14	2	6	7	5			2725	80000 lb.	42		
24 XM	" "	41477 to 49697	36		8 6	8	37	1	9	8				12	7	13	4	14	8	6	7	7	2	0	8	2448	80000 lb.	193	
25 XM	" "	49713 to 49952	36		8 6	8	37	1	9	8				12	7	13	4	15	1	6	7	7	2	0	8	2448	80000 lb.	16	
26 XM	Double Sheathed	116000 to 120999	40	6	8 6	8 6	40	9	9	5				12	5	13	5	14	10	6	8					2929	80000 lb.	2776	
27 XM	" "	121000 to 121499	40	6	8 7	8 7	41		9	7				12	2	13	4	14	1	6	8	1				3005	100000 lb.	21	
31 XM	" "	121500 to 122999	40	6	8 7	8 7	41		9	7				12	11	13	8	14	1	6	8	0				3005	100000 lb.	261	
32 XM	" "	123000 to 123999	40	6	8 7	8 7	41		9	7				12	11	13	3	14	6	6	8					3005	100000 lb.	207	
33 XM	Single Sheath.	124000 to 129499	40	6	9 2	9 6	41	10	3	10	10			13	2	14	4	14	4	6	8	11				3550	100000 lb.	3899	
34 XM	" "	129500 to 129799	40	6	9 1	10 6	41	8	9	4	10	8	4	7	14	5	15	15		6	9	10				3699	100000 lb.	298	
35 XM	" "	130000 to 130387	36		8 6	8	37		9	8				12	6	13	2	14	8	6	7	6				2481	80000 lb.	38	
36 XM	" "	133400 to 133634	36	5	8 6	8	37		9	8				12	6	13	2	14	8	6	7	6				2481	80000 lb.	32	
37 XM	" "	134403 to 134745	40	1	8 6	8	40	9	9	4				12	4	13	4	14	2	6	7	5				2776	80000 lb.	35	
41 XM	Single Sheath.	135000 to 135999	40	6	9 2	9 6	41		9	3	10	8		13	2	14	4	14	4	6	8	11				3550	100000 lb.	988	
42 XM	Steel Sheathed.	136000 to 136499	40	6	9 2	9 7	42	10	8	9	10	5	12	9	13	9	14	8	14	3	6	8	11				3557	100000 lb.	493
43 XM	" "	136500 to 138499	40	6	9 2	10	40	8	8	8	10	7			14	2	14	8	14	8	6	9	4				3712	100000 lb.	1979
44 XM	" "	138500 to 138699	40	6	9 2	10	42	2	8	10	8	5	4	4	14	2	14	8	14	8	6	9	4				3712	100000 lb.	198
45 XM	" "	138700 to 139199	40	6	9 4	10 6	41	10	9	5	10	8	5	9	14	5	15	1	15	1	6	9	10				3966	100000 lb.	499
46 XM	" "	139500 to 141300	40	6	9 2	10 4	42	2	9	8	10	8	5	4	14	6	15	15		6	9	8					3836	100000 lb.	1776
47 XM	" "	141301 to 144310	40	6	9 2	10 4	41	10	9	3	10	7	5	3	14	1	14	11	14	11	6	9	8				3837	100000 lb.	2087
51 XM	" "	144400 to 144699	40	6	9 1	10 6	41	8	9	4	10	8	4	7	14	5	15	15		6	9	10					3858	100000 lb.	300
52 XM	" "	145000 to 145499	40	6	9 2	10 4	42	2	9	4	10	8	5	4	14	5	14	11	14	11	6	9	8				3836	100000 lb.	493
53 XM	" "	145500 to 147499	40	6	9 2	10 4	41	10	9	3	10	7	5	3	14	1	14	11	14	11	6	9	8				3837	100000 lb.	1984
54 XM	" "	148000 to 148199	40	6	9 2	10	42	2	8	10	8	5	4	4	14	2	14	8	14	8	6	9	4				3712	80000 lb.	171
55 XM	" "	148200 to 149933	40	6	9 2	10 4	42	2	8	9	10	8	5	4	14	6	14	11	14	11	6	9	8				3836	80000 lb.	1720
56 XM	" "	150000	40	6	8 7	8 7	41	2	9	6				12	2	13	4	14	1	6	8	1					3023	80000 lb.	1
57 XM	Single Sheath.	150001 to 150500	50	6	9 2	10 2	51	2	10	1	10	10	5	6	13	9	14	11	14	11	6	9	5				4716	100000 lb.	493
61 XM	Steel Sheathed.	150601 to 151091	50	6	9 4	10 6	51	1	9	6	10	9	8	8	14	5	15	1	15	1	8	9	10				4925	100000 lb.	415
62 XM	Single Sheath.	151092 to 151491	50	6	9 1	10 6	50	8	9	5	10	8	5	7	14	5	15	15		8	9	10					4823	100000 lb.	399
63 XM	" "	210000 to 211049	40	6	9 2	10 6	41		9	6	10	9	5		14	5	15	1	15	1	6	8	11				3838	100000 lb.	677
64 XM	" "	211050	40	6	9 3	10 6	41		9	6	10	9	5		14	5	15	1	15	1	6	8	11				3942	100000 lb.	1
65 XM	" "	211051 to 214549	40	6	9 2	10 6	41		9	6	10	9	5		14	5	15	1	15	1	6	8	11				3838	100000 lb.	1817
66 XM	" "	226032 to 229529	36	5	8 6	8	37		9	7				12	5	13	2	14	8	6	7	6	2	0	8	2481	80000 lb.	346	
67 XM	" "	232105 to 235593	36	5	8 6	8	37		9	8				12	6	13	2	14	8	6	7	6	2	0	8	2481	80000 lb.	352	
71 XM	" "	235693	36		8 6	8	37	1	9	8																			





# THE ATCHISON, TOPEKA & SANTA FE RY.—CONTINUED.

## FREIGHT EQUIPMENT—Continued.

ITEM NUMBER. A.A.R. Mech. Designation	MARKINGS AND KIND OF CARS.	NUMBERS.	DIMENSIONS.												CAPACITY.		Number of Cars.							
			INSIDE.			OUTSIDE.						DOORS.			Cubic Feet Full.	Pounds or Gallons.								
			Length	Width	Height	LENGTH.		WIDTH.		HEIGHT FROM RAIL.		SIDE.		END.										
						ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.		in.						
	Brought forward.....																		61181					
1 GS	Gond., Caswell Dump, (Fixed Ends...)	171000 to 174349	40	9	4	4	7	48	2								1710	10000 lb.	3275					
2 GS	" "	174350 to 174649	40	9	4	5	5	48	2								2022	10000 lb.	296					
3 GS	" Side Dump, (Fixed Ends...)	174650 to 175149	40	9	4	5	5	48	2			9	10		10	6	2022	10000 lb.	498					
4 GS	" "	175150 to 175874	40	7	9	1	5	42	7	9	5	10	2				2180	10000 lb.	728					
5 GS	" Mill Type, Drop Ends, Wood Floor.	176000 to 176599	48	6	9		3	50	6	9	9	10		6	5	7	9	1673	10000 lb.	596				
6 GS	" Auto Frame, One Drop End, Wood Floor.	176600 to 176649	50	4	9	1	5	53	3	9	2	10	5	10		1	13	2529	14000 lb.	40				
7 GS	" Gond., Sulphur, Fixed Ends, Wood Floor.	180000 to 180149	40	9			3	42	8									1875	14000 lb.	149				
11 GS	" "	180150 to 180299	40	1	9		4	42	8	9	5	10	10				8	4	1562	14000 lb.	148			
12 HM	Hopper.....	180400 to 180799	33	9	6 1/2			34		10	5	10	5 1/2	10	8 1/2	10	8	10	8 1/2	1970	10000 lb.	399		
13 HM	" "	180800 to 180999	33	10	4		7	34		10	5 1/2	10	7 1/2				10	7 1/2	2191	10000 lb.	154			
14	EMR " Note O	" " " " " "	"	"	"	"	"	"	"	"	"	"	"	12	1	12	1	"	"	"	45			
15 NTR	" "	181000 to 181074	41	3	10	1	9	41	4					12	1	12	1			2769	14000 lb.	50		
16 NTR	" "	181075 to 181149	38	10				38	1					12	1	12	1			2716	14000 lb.	75		
17 NTR	" "	181150 to 181199	41	3	10	1	9	42	3	10	3	10	3	10	8	10	8	12	1	2769	14000 lb.	50		
21 LO	Covered Hopper.....	181350 to 181674	29	3	9 1/2	8	7 1/2	35	2 1/2	9	4 1/2	10	1 1/2	11	9	12	2 1/2	12	9 1/2	12	11	1958	14000 lb.	
22 LO	" " Steel..	181675 to 181999	29	3	9	5								11	9	12	10			1966	14000 lb.	325		
23 LO	" " " "	182000 to 182099	29	3	9	5	11	34	2	8	11	10	1				11	9	2050	14000 lb.	10			
24 LO	" " " "	182010 to 182059	29	3	9	5								11	9	12	10			1958	14000 lb.	50		
25	HTR Hopper.....	182110 to 182134	41	3	10	1	9	41	4	10	2	10	4	9	5	11	4	11	10	12	2	2769	14000 lb.	25
26 HM	" "	183000 to 183424	40	8	10	4	7	41	8	10	5	10	5	10	8	10	8			2773	14000 lb.	225		
27	MWB Ballast.. Note GG	87136 to 87549	40	9	1	3	9	41	6										1980 1884 1847	10000 lb.	70			
31	MWB " Lidgerwood... (Rodger).	87572 to 87648	37	10	8	8	3	40	4										1186 1796	8000 lb.	4			
32	MWB " Note GB	87651 to 87999	41	4	8	8	2	41	6										1186 1796	10000 lb.	66			
33	MWB " Note GB	88901 to 89397	41	4	8	8	2	41	6										1186 1796	10000 lb.	145			
34	MWB " (Rodger).	89402 to 89800	37	8	9	4	8	41	6										1186 1796	10000 lb.	67			
35	MWB " (Rodger).	89880 to 89999	40	9	1	3	9	41	6										1884 1847	10000 lb.	81			
36	MWB " Note GG	98008						40												10000 lb.	1			
37	MWB " Note GG	98049 to 98133						41	6										1980	10000 lb.	4			
41	MWB " (Rodger).	98391 to 98490	40	9	1	5	5	41	6										1884 1847	10000 lb.	18			
42	MWB " (Rodger).	98826 to 98975	40	9	1	5	5	41	6										1884 1847	10000 lb.	94			
43 FM	Flat, Steel.....	90005 to 90499	50	8	10			50	9			9	8				3	8			10000 lb.	84		
44 FM	" " Note E	90501 to 90850	50	10				50	9			10	9 1/2				3	10			10000 lb.	314		
45 FM	" " " "	90851 to 90883	50	10	2			50	9			10	7 1/2				3	8			10000 lb.	20		
46 FM	" " " "	90901 to 90985	50	10	6			50	9			10	7 1/2				3	8			10000 lb.	76		
47 FM	" " " "	91000 to 91191	60	10	6			60	8 1/2			10	3 1/2				4	1			14000 lb.	191		
51 FMS	" " (Auto) (Frames)	91201 to 91230	50	10				50	9			10	9 1/2	3	8	13	10					10000 lb.	30	
52 FM	" " " "	91315 to 91499	53	6	10	6		54	3			10	7 1/2				3	8			10000 lb.	138		
53 FM	" " " "	91500 to 91699	53	6	10	6		54	2 1/2			10	1 1/2				3	5			14000 lb.	200		
54 FM	" " " "	91700 to 91874	53	6	10	6		54	3			10	7 1/2				3	8			10000 lb.	138		
55 FM	" " " "	92042 to 92175	40	4	8	10		41				9	7 1/2				3	10			8000 lb.	16		
56 LP	" " Note D	92176 to 92296	40	4	8	10		41				9	7 1/2				12	2			8000 lb.	116		
57 LP	" " Note D	92300 to 92320	50	8	10			50	9			9	8				3	8			10000 lb.	21		
61 FM	" " " "	92509 to 92520	50	8	10			50	9			9	8 1/2				3	11			8000 lb.	4		
62 FM	" " " "	93068 to 93079	40	1	9	2		40	9			9	10								8000 lb.	3		
63 FM	" " " "	93151 to 93250	44	6	8	10		45	2			9	8 1/2				3	11			8000 lb.	86		
64 FM	" " " "	93256 to 95000	40	4	8	10		41				9	7 1/2				3	10			8000 lb.	82		
65 FM	" " " "	96901 to 97000	44	6	8	10		45	2			9	6 1/2				3	11			8000 lb.	82		
66 FM	" " " "	97001 to 97500	44	6	8	10		45	2			9	8				3	8			8000 lb.	475		
67 FM	" " " "	97600 to 97999	44	6	8	10		45	2			9	6 1/2				3	11			8000 lb.	352		
71 TM	Tank, Steel.....	95002, 95003	33	4				36				8	4	4	6					13	7	Note HH	10000 lb.	2
72 TM	" " " "	95006	22	7	7	2	7	27		8	8	9	3	6						13	11	Note HH	6000 lb.	1
73 TM	" " " "	95007						36		8	6											Note HH	6000 lb.	1
	Forward.....																						61248	

▲ Denotes additions.

◆ Denotes increase.

♣ Denotes reduction.

(See Page xviii.)

THE ATCHISON, TOPEKA & SANTA FE RY.—CONTINUED.

FREIGHT EQUIPMENT—Continued.

Table with columns: ITEM NUMBER, MARKINGS AND KIND OF CARS, NUMBERS, DIMENSIONS (INSIDE, OUTSIDE, DOORS), CAPACITY. Includes rows for Tank, Steel, and Logging equipment.

MISCELLANEOUS WORK EQUIPMENT.

Marked A. T. & S. F. and numbered 185000 to 199999..... 6392

This Company does not permit its Maintenance of Way car equipment to be used in Commercial Service.

REFRIGERATOR CARS.

Refrigerator cars are lettered "S. F. R. D." and are on mileage basis. The Maximum Loading of S. F. R. D. Refrigerator Cars is as follows:

Table with columns: SERIES, Marked Capacity, Load Limit Between Bulkheads, Load Limit. Lists various car series and their capacities.

Table with columns: Note BB—With floor racks down the inside height of refrigerator cars in these series is reduced as follows; Note DD—Load limits (bulkheads up or down) determined by subtracting the marked tare weight...

Table with columns: ITEM NUMBER, MARKINGS AND KIND OF CARS, NUMBERS, DIMENSIONS (INSIDE, OUTSIDE, DOORS), CAPACITY. Includes rows for Refrigerator and Forward cars.

▲ Denotes additions. ◆ Denotes increase. ♠ Denotes reduction (See Page xviii.)

# THE ATCHISON, TOPEKA & SANTA FE RY.—CONTINUED.

## REFRIGERATOR CARS—Continued.

Item Number. A. A. R. Mech. Designation.	MARKINGS AND KIND OF CARS.	NUMBERS.	DIMENSIONS.																CAPACITY.					Number of Cars.		
			INSIDE.						OUTSIDE.						DOORS.		Capacity of Ice Tanks.			Capacity of Car.						
			Length.			Width.			Height from Rail.			Side Doors.		Pounds.	Capacity Measure.	Cubic Feet Level Full.	Pounds.									
			Between Ice Tanks— Bulkheads in Place.	Between Lining Clear (Bulkheads Collapsed).	Width, Inside.	Height, Inside.	Length.	Width at Bases.	Extreme Width.	To Extreme Width.	To Bases.	To Top of Running Board.	To Extreme Height.	Width.	Height.	Total Capacity for Crushed Ice.	Total Capacity for Course Ice.	Total Capacity for Chunks Ice.	Cubic Feet.	Depth.	Between Ice Tanks— Bulkheads in Place. Clear Capacity (Bulkheads Collapsed).					
ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	ft.	in.	lbs.	lbs.	lbs.	ft. in.	ft.	lbs.			
		Brought for ward.	Note 88																							448
		S. F. R. D.																								
1 RS	Refrigerator. Notes F, J	4200 to 4248	33 11	8 2 7	9 4 1	5 9	2 10	12 11	13 3	14 2	5 6	8 8	12700	12200	11500	311	1975	77000	49							
2 RS	Notes F, J	4249	33 2 1/2	8 2 7	9 4 1	5 9	2 10	13	13 4	14 1	5 6	8 8	12700	12200	11500	311	1975	77000	1							
3 RS	Notes F, J	4250	33 1 1/2	8 2 7	9 4 1	5 9	2 10	12 11	13 3 1/2	14 1 1/2	5 6	8 8	12700	12200	11500	311	1975	77000	1							
4 RS	Notes F, J	4251 to 4750	33 1 1/2	8 2 7	9 4 1	5 9	2 10 1	13	13 4	14 3	5 6	8 8	12700	12200	11500	311	1948	77000	490							
5 RS		5000	40 1 1/2	8 8 1/2	6 1/2	5 10	8 10	3 10 8	12 7	13 5	13 7	5 6	6 6	16000	15400	14500	395	2300	90000	1						
6 RS		5001	42 1 1/2	8 8 1/2	6 1/2	5 10	8 10	3 10 8	12 7	13 5	13 7	5 6	6 6	12100	11700	11000	310	2414	90000	1						
7 RS		5002 to 5009	40 1 1/2	8 8 1/2	6 1/2	5 10	8 10	3 10 8	12 9	13 4	13 10	5 6	6 6	16000	15400	14500	395	2300	85000	8						
11 RS		5010 to 5019	40 1 1/2	8 8 1/2	6 1/2	5 10	8 10	3 10 8	12 9	13 4	13 10	5 6	6 6	16000	15400	14500	395	2300	90000	10						
12 RS	Note F	5020 to 5089	42 1 1/2	8 8 7	7 5 2	4 10	2 10 9 1/2	12 11 3/4	13 6	14 4 1/2	5 6	6 7 1/2	16000	15400	14500	402	2592	100000	48							
13 RS		5070 to 5144	40 1 1/2	8 8 1/2	6 1/2	5 10	8 10	3 10 8	12 9	13 4	13 10	5 6	6 6	16000	15400	14500	395	2300	88000	75						
14 RS		5145 to 5244	40 1 1/2	8 4 1/2	7 5 1/2	6 10	2 10 8	11 7 1/2	12 7 1/2	13 6	14 3	5 6	7 1/2	14800	14300	13500	386	2347	96000	100						
15 LRC		6012	25 1 1/2	6 9 6	1 1/4	6 10	6 10	10 6	12 7	13 4	13 7	2 4	3 4						73000	13						
16 RS	Note J	7000, 7001	34 1 1/2	8 10 1/2	2 1/2	7 9 1/2	4 1 5	9 2 10 1 1	2 13	13 4	14 3	5 6	6 8	12100	11700	11000	304	1989	2266	77000	2					
17 RS	Note J	7002 to 7026	34 1 1/2	8 10 1/2	2 1/2	7 9 1/2	4 1 5	9 2 10 1 1	2 13	13 4	14 3	5 6	6 8	12100	11700	11000	304	1995	2264	77000	26					
21 RS	Note J	7027, 7028	33 1 1/2	8 9 1/2	2 1/2	7 9 1/2	4 1 5	9 2 10 1 1	1 13	13 4	14 8	5 6	6 8	14900	13800	13000	354	1943	2261	77000	2					
22 RS	Notes F, J	7029 to 7360	33 1 1/2	8 8 1/2	2 1/2	7 9 1/2	4 1 5	9 2 10 1 1	2 13	13 4	14 3	5 6	6 8	12500	12000	11300	306	1933	2276	72000	381					
23 RS	Notes F, J	7529 to 7888	33 1 1/2	8 8 1/2	2 1/2	7 9 1/2	4 1 5	9 2 10 1 1	2 13	13 4	14 3	5 6	6 8	12500	12000	11300	306	1933	2276	72000	358					
24 RS	Notes F, J	7900 to 8069	33 1 1/2	8 8 1/2	2 1/2	7 9 1/2	4 1 5	9 2 10 1 1	2 13	13 4	14 3	5 6	6 8	12500	12000	11300	306	1933	2276	72000	170					
25 RS	Notes F, J	8100 to 9869	33 1 1/2	8 8 1/2	2 1/2	7 9 1/2	4 1 5	9 2 10 1 1	2 13	13 4	14 3	5 6	6 8	12500	12000	11300	306	1933	2276	72000	1110					
26 RS	Notes F, J	13000	33 1 1/2	8 2 1/2	7 10 4 1 1/2	9 11 11 2	3 13 1 1	13 6 14 5	6 6 8					12700	12200	11500	310	1973	2316	80000	1					
27 RS	Notes F, J	14280 to 15399	33 1 1/2	8 2 1/2	7 9 1/2	4 1 5	9 2 10 1 1	1 13	13 4	14 3	5 6	6 8	12700	12200	11500	311	1943	77000	1055							
31 RS		15457 to 17950	33 1 1/2	8 2 1/2	7 5 4 1 1/2	5 9 5	12 5	13 1	14 7					12100	11700	11000	307	1982	75000	279						
32 RS		17951 to 19949	33 1 1/2	8 2 1/2	7 5 4 1 1/2	5 9 5	12 6	13 2	14 8					12100	11700	11000	307	1982	75000	615						
33 RS		19951 to 21950	33 1 1/2	8 2 1/2	7 5 4 1 1/2	5 9 5	12 6	13 3	14 8					12100	11700	11000	307	1982	75000	836						
34 RS		21951 to 22450	33 1 1/2	8 2 1/2	7 5 4 1 1/2	5 9 5	12 6	13 3	14 8					12100	11700	11000	307	1982	75000	169						
35 RS		22451 to 23450	33 1 1/2	8 2 1/2	7 5 4 1 1/2	5 9 5	12 6	13 3	14 8					12100	11700	11000	307	1982	75000	323						
36 RS		23451 to 24350	33 1 1/2	8 2 1/2	7 5 4 1 1/2	2 9 6	12 5	13 2	14 1	5 6	6 5	11600	11100	10500	316	1927	75000	396								
37 RS		24451 to 24950	33 1 1/2	8 2 1/2	7 5 4 1 1/2	2 9 6	12 5	13 2	14 6	5 6	6 4	11600	11100	10500	316	1927	75000	491								
41 RS		24951 to 25450	33 1 1/2	8 2 1/2	7 5 4 1 1/2	2 9 6	12 5	13 2	13 8	5 6	6 4	11600	11100	10500	316	1927	75000	490								
42 RS		25451 to 25950	33 1 1/2	8 2 1/2	7 5 4 1 1/2	2 9 6	12 5	13 2	13 8	5 6	6 4	11600	11100	10500	316	1927	75000	490								
43 RS		25951 to 26350	33 1 1/2	8 2 1/2	7 5 4 1 1/2	2 9 6	12 6	13 8	13 7	5 6	6 5	12100	11700	11000	307	1982	75000	370								
44 RS		26351 to 26450	33 1 1/2	8 2 1/2	7 5 4 1 1/2	2 9 6	12 5	13 2	14 6	5 6	6 4	12700	12200	11500	316	1927	75000	86								
45 RS	Note P													11600	11100	10500	286			14						
46 RS		31100 to 31253	33 1 1/2	8 2 1/2	7 5 4 1 1/2	5 9 2	10	12 11	13 4	14	5 6	12700	12200	11500	315	1969	78000	153								
47 RS		31254, 31255	33 1 1/2	8 2 1/2	7 9 4 1 1/2	4 9 2	10	12 11	13 3 1/2	14 1 1/2	5 6	6 8	12700	12200	11500	316	1975	75000	2							
51 RS		31256 to 31375	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10	12 11	13 3 1/2	14 1 1/2	5 6	6 8	12700	12200	11500	311	1975	75000	119							
52 RS	Note J	31376	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10	12 11	13 3 1/2	14 1 1/2	5 6	6 8	12700	12200	11500	311	1975	75000	1							
52 RS		31377 to 31655	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10	12 11	13 3 1/2	14 1 1/2	5 6	6 8	12700	12200	11500	311	1975	75000	276							
54 RS	Note J	31656 to 33155	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10	12 11	13 3 1/2	14 1 1/2	5 6	6 8	12700	12200	11500	311	1975	75000	1487							
55 RS	Note J	33156 to 33655	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10	13	13 4	14 1	5 6	6 8	12700	12200	11500	311	1975	77000	488							
56 RS	Note J	34000 to 34499	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10	12 7	13 5	14	5 6	6 8	12700	12200	11500	311	1975	77000	494							
57 RS	Note J	34500 to 34950	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10	13	13 4	14 3	5 6	6 8	12700	12200	11500	311	1975	77000	444							
61 RS	Note J	35000 to 35999	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10	13	13 4	14 3	5 6	6 8	12700	12200	11500	311	1975	77000	985							
62 RS	Note J	36000 to 36300	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10	12 7	13 5	14	5 6	6 8	12700	12200	11500	311	1975	77000	298							
63 RS	Note J	36301 to 36645	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10 1	13	13 4	14 3	5 6	6 8	12700	12200	11500	311	1975	77000	341							
64 RS	Note J	36646 to 36850	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10 1	13	13 4	14 3	5 6	6 8	12700	12200	11500	311	1975	75000	5							
65 RS		37000 to 37087	42 1 1/2	9 1 1/2	5 4 5 0	8 10 3	10 8	12 6	13 5	13 7	5 6	6 5 1/2	13800	13300	12500	348	2724	95000	5							
66 RS	Note F	37090 to 37389	42 1 1/2	9 1 1/2	5 4 5 0	6 10	2 10 8	12 7	13 6	14 3	5 6	6 8	13800	13300	12500	342	2730	100000	200							
67 RS	Note J	38012 to 39149	33 1 1/2	8 2 1/2	7 9 4 1 1/2	5 9 2	10 1 1	1 13	13 4	14 3	5 6	6 8	12700	12200	11500	311	1948	77000	60							
71 BR	Pass, Refrig., Express.	4000 to 4049	44 2	8 8 7	6 5 3	9 10	10 2	4 9	12 8	13 8	13 8	5 6	6 5				14071	883	2716	60000	48					
	Total																						14652			
	Grand Total																						79832			

▲ Denotes additions. ◆ Denotes increase. ♣ Denotes reduction. (See Page xviii.)



# THE ATCHISON, TOPEKA & SANTA FE RY.—CONTINUED.

**Note A—LOAD LIMITS:**

All cars may be loaded 1,000 pounds above marked load limits, or may be loaded as provided in Rule 86 of A. A. R. Interchange Rules, if latter will permit a greater load.

**LIGHT WEIGHT INFORMATION.**

Request for light weight of cars should be addressed to Superintendent of Car Service, Topeka, Kan.

**Note B—Cars in series 6751 to 6999 and 7150 to 7199** are equipped with floor tubes which contain hold-down chains for handling truck shipments.

**Note C—Individual numbers of automobile cars in series 9623 to 9887** not equipped with end doors and differing in outside dimensions from other cars in same series; height from rail to extreme height, 15 ft. 7 in.

9636 9818 9820

**Note D—Cars in series 92176 to 92296 and 92300 to 92320** are equipped with racks to handle pulpwood. Not serviceable as flat cars while equipped for pulpwood loading.

**Note E—Cars in series 90501 to 90580** designed so that concentrated load may equal load limit capacity, provided load is supported at crossbearers 7 ft. 1 in. each side of the center line of car.

**Note F—Cars numbered 3500 to 3849, 4200 to 4750, 5045 to 5099, 7029 to 7360, 7529 to 7888, 7900 to 8069, 8100 to 9869, 13000, 14280 to 15399 and 37365 to 37389** are equipped with Preco Fans.

**Note G—Individual numbers of cars in series 99500 to 99699** differing in pounds capacity from balance of numbers in same series; capacity 60,000 pounds:

99512 99518 99520 99523 99512 99627 99629 99658 99661 99664 99665  
99618 99619 99621 99636 99621 99628 99650

**Note H—Individual numbers of cars in series 99500 to 99699** differing in pounds capacity from balance of numbers in same series; capacity 100,000 pounds:

99610 99665

**Note J—Cars in series shown below** are equipped with half stage icing grates. When in position the capacity of bunkers is as follows:

	Crushed Ice	Coarse Ice	Chunk Ice
	6,000 Pounds	5,800 Pounds	5,500 Pounds
3000 to 3009	6,000	5,800	5,500
3500 to 3849	6,000	5,800	5,400
4200 to 4249	6,900	6,700	6,800
4250	6,600	6,400	6,000
4251 to 4750	6,900	6,700	6,800
7000 to 7028	6,900	6,700	6,800
7029, 7028	7,200	6,900	6,500
7029 to 7888	6,000	5,800	5,400
7900 to 8069	6,000	5,800	5,400
8100 to 9869	6,000	5,800	5,400
13000	6,700	6,500	6,000
14280 to 15399	6,900	6,700	6,800
31376	6,900	6,700	6,800
31656 to 33155	6,600	6,400	6,000
33156 to 33655	6,900	6,700	6,800
34000 to 34499	6,600	6,400	6,000
34500 to 34950	6,900	6,700	6,800
35000 to 35999	6,900	6,700	6,800
36000 to 36900	6,900	6,700	6,800
36901 to 36950	6,900	6,700	6,800
38012 to 39149	6,900	6,700	6,800

**Note L—Cars in series 5200 to 5599, 9000 to 9199, 9200 to 9455, 10800 to 10999, 63000 to 63254, 63255 to 63504, 63505 to 63750, 67151 to 67350, 67351 to 67499, 67450 to 67499, 67500 to 67599** are equipped with Evans Auto Loaders. Inside height and cubical capacity as follows:

SERIES	With Auto Loaders in position for loading automobiles.		With Auto Loaders raised in stored position against roof of car for loading other commodities.	
	Inside Height	Capacity	Height	Capacity
L ① 5200 to 5599	10 ft. 6 in.	4,017 cu. ft.	9 ft. 9 in.	3,738 cu. ft.
L ② 9000 to 9199	10 ft. 6 in.	5,008 cu. ft.	9 ft. 9 in.	4,633 cu. ft.
L ③ 9200 to 9455	10 ft. 6 in.	4,950 cu. ft.	9 ft. 6 in.	4,557 cu. ft.
L ④ 10800 to 10999	10 ft. 6 in.	4,950 cu. ft.	9 ft. 6 in.	4,557 cu. ft.
L ⑤ 63000 to 63254	10 ft. 4 in.	3,876 cu. ft.	9 ft. 9 in.	3,626 cu. ft.
L ⑥ 63255 to 63504	10 ft. 5 in.	3,738 cu. ft.	9 ft. 4 in.	3,515 cu. ft.
L ⑦ 63505 to 63750	10 ft. 5 in.	3,382 cu. ft.	9 ft. 9 in.	3,672 cu. ft.
L ⑧ 67151 to 67350	10 ft. 5 in.	4,995 cu. ft.	9 ft. 10 in.	4,730 cu. ft.
L ⑨ 67351 to 67449	10 ft. 5 in.	5,001 cu. ft.	9 ft. 4 in.	4,652 cu. ft.
L ⑩ 67450 to 67499	10 ft. 5 in.	4,827 cu. ft.	9 ft. 4 in.	4,516 cu. ft.
L ⑪ 67500 to 67599	10 ft. 4 in.	4,827 cu. ft.	9 ft. 8 in.	4,516 cu. ft.

**Note M—Individual numbers of cars in series 169200 to 169499** equipped with automobile frames for handling automobile bodies:

169205 169237 169260 169289 169320 169356 169381 169430 169452 169469  
169206 169238 169264 169290 169325 169358 169385 169421 169454 169470  
169215 169240 169266 169292 169328 169360 169380 169423 169456 169471  
169219 169242 169268 169298 169337 169364 169383 169424 169457 169476  
169221 169245 169269 169306 169343 169367 169394 169428 169458 169481  
169223 169252 169272 169309 169344 169369 169399 169432 169459 169483  
169225 169253 169277 169310 169345 169376 169401 169433 169462 169487  
169230 169256 169278 169313 169347 169378 169402 169435 169465 169490  
169232 169257 169282 169317 169348 169379 169408 169439 169467 169492  
169233 169259 169288 169318 169349 169380 169416 169440 169468 169493

**Note N—Cars in series 64200 to 64699** (except cars shown under **Note Q**) are equipped with Evans Auto Loaders. Inside height and cubical capacity as follows:

With Auto Loaders in position for loading automobiles—Inside height 10 ft. 6 in. Capacity 3,972 cu. ft.

With Auto Loaders raised in stored position against roof of car for loading other commodities—Inside height 9 ft. 8 in. Capacity 3,712 cu. ft.

**Note O—Individual numbers of cars in series 180800 to 180999** differing in A. A. R. Mech. Designation and dimensions from other cars in same series; A. A. R. Mech. Designation HMR, outside height from rail to top of running board 12 ft. 1 in., to extreme height 12 ft. 1 in.:

180800 180817 180842 180861 180885 180904 180913 180922 180954 180973  
180801 180818 180845 180867 180886 180905 180918 180928 180962 180981  
180806 180827 180846 180881 180889 180908 180919 180933 180965 180989  
180807 180811 180840 180882 180890 180911 180920 180945 180972 180992  
180810 180836 180859 180883 180903

**Note P—Individual numbers of cars in series 26351 to 26450** differing in ice tank capacity from other cars in same series; ice tank capacity 11,600 pounds crushed ice, 11,100 pounds coarse ice, 10,500 pounds chunk ice, 286 cu. ft. measure of capacity:

26400 26407 26412 26416 26426 26427 26429 26434 26435 26439 26442

**Note Q—Individual numbers of cars in series 64200 to 64699** differing in A. A. R. Mech. Designation from other cars in same series; A. A. R. Mech. Designation XM. (As these cars pass through shops they will be equipped with Evans Auto Loaders and when so equipped will be included with other cars in this series, similarly equipped, covered by **Note N**.)

64234 64270 64313 64330 64383 64409 64422 64427 64532 64619 64681  
64253 64304 64319 64372 64389

**Note GB—Upper capacity shown is without extensions; lower capacity is with extensions.**

**Note GG—These convertible steel underframe cars have capacity as Gondola 1,980 cubic feet; as Ballast without extensions, 1,284 cubic feet; with extensions, 1,847 cubic feet.**

**Note HH—For reference to tariff showing gallonage of tank cars see note page ii.**

All S. F. R. D. refrigerator cars (except RB type, series 2000 to 2021) placed on mileage basis effective August 31, 1920.

Include all repairs to cars of the following initials in one monthly bill versus The Atchison, Topeka & Santa Fe Railway: A. T. & S. F.; S. F. R. D.; Association of American Railroads, Rule 93, should govern in the rendition of bills.

**SPECIAL SERVICE AND MAINTENANCE OF WAY CAR EQUIPMENT**

A.A.R. Mech. Desig.	KIND OF CARS.	NUMBERS.	No. of Cars	A.A.R. Mech. Desig.	KIND OF CARS.	NUMBERS.	No. of Cars
.....	Clark Air Dump, 30 yard.....	185000 to 185099	100	.....	Ballast Plows.....	199275 to 199324	13
.....	Mazor Air Dump, 30 yard.....	185500 to 185599	100	.....	Snow Plows.....	199350 to 199399	27
.....	Western Air Dump, 30 yard.....	185701 to 185800	100	.....	Pile Drivers.....	199450 to 199499	23
.....	" " " " 20 yard.....	185801 to 186001	109	.....	Steam Shovel.....	199550 to 199599	.....
.....	Water Cars.....	189000 to 189999	572	.....	Locomotive Cranes.....	199600 to 199699	28
.....	Tool and Material.....	190001 to 191599	1415	.....	Steam Derrick.....	199700 to 199799	44
.....	Tool (Old Pass.).....	191600 to 191834	21	.....	Hand Derrick.....	199800 to 199819	3
.....	Storehouse Supply.....	191835 to 191899	27	.....	Rail Loaders.....	199820 to 199839	3
.....	Boat Flats.....	191700 to 191749	19	.....	Track Machinery.....	199870 to 199879	3
.....	Shop Cars.....	191750 to 192499	438	.....	Weed Burners.....	199890 to 199909	12
.....	Cinder Cars.....	192500 to 192899	155	.....	Test Weight.....	199910 to 199929	3
.....	Commissary, Diner, Living, Recreation.....	192900 to 193999	968	.....	Scale Repair.....	199930 to 199949	7
.....	Bunk.....	194000 to 198899	2082	.....	Air Compressors, sand blast and paint.....	199950 to 199964	5
.....	" (Old Pass.).....	198900 to 199199	80	.....	Special Machines.....	199969 to 199989	14
.....	Ballast Unloader.....	199201	1	.....	Ditchers.....	199990 to 199999	5
.....	Ballast Cleaning.....	199210	1	.....	Total.....		6392
.....	Ballast Spreader.....	199225 to 199274	19				