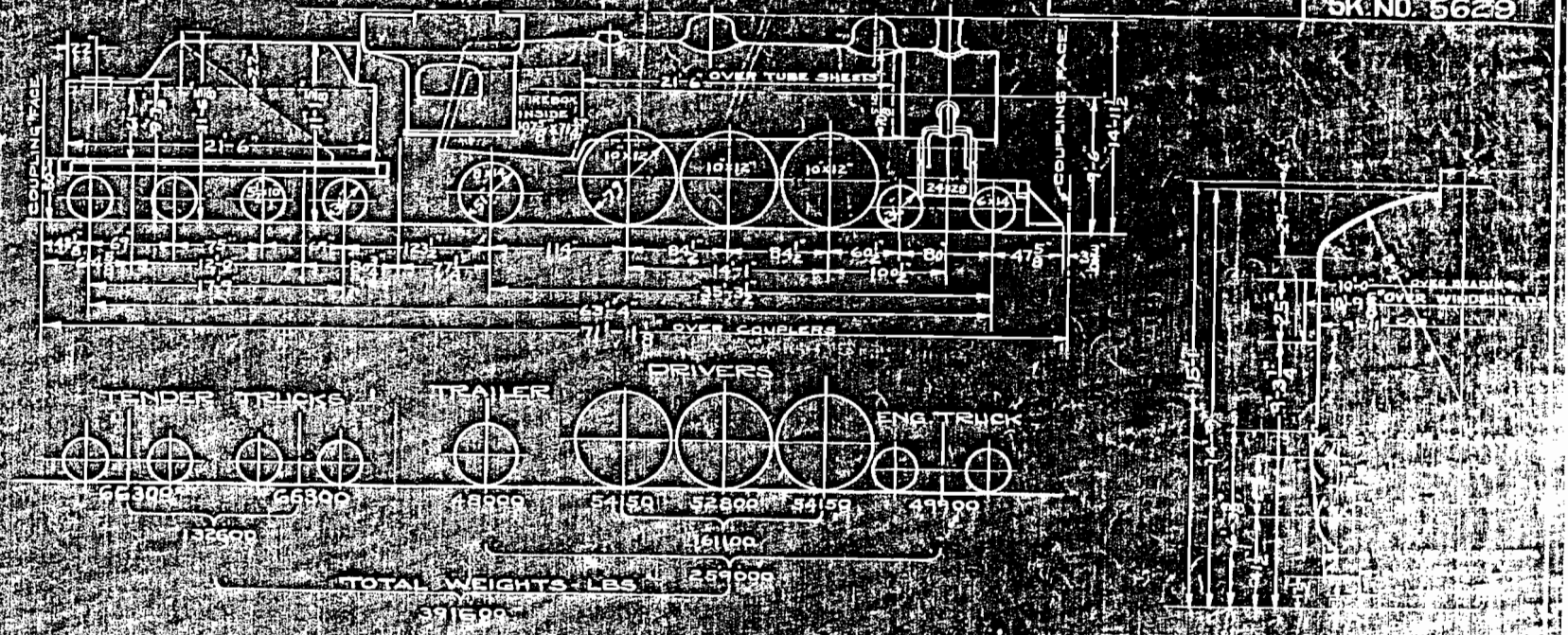
ENG: NO 910915 | CLASS I-3

DIAGRAM

SK. NO. 5629



ALL WEIGHTS FOR ENGINE AND TENDER IN WORKING ORDER

CORRECT

A.T.M.E.

	BOILER	HEATING SURFACE	LENGTH OVER TUBE SHEETS	DIA	GAUGE OR THICK
1	BOILER TUBES 180 SPACING 1 3/4	2240	21'-6"	2 1/4	12 MIN
2	BOILER FLUES 28 SPACING 3/4	863	21'-6"	5	10 MIN
3	TOTAL TUBES & FLUES	3132			
4	FIREBOX PROPER	184			
5	COMBUSTION CHAMBER				
6	ARCH TUBES 4	7.65	9'-5 1/4"	3	8 MIN
7	TOTAL FIREBOX	223			
8	TOTAL EVAPORATING HEATING SURFACE	3356			
9	TOTAL SUPERHEATING HEATING SURFACE	730			
10	TUBE SHEETS FT. 7/8 BK. 1/2				
11	GRATE AREA				
12	WEIGHT WATER 2 GAUGES				
13					
14					
15					

DESIGN DATA	
CALCULATED EVAPORATION LBS./HR.	
TUBES @ 8.44 LBS.	19160 LBS
FLUES @ 8.58 LBS.	8270 LBS
FIREBOX @ .55 LBS.	10670 LBS
COMBUSTION CHAMBER	
ARCH TUBES @ .65 LBS.	[illegible] LBS
TOTAL EVAPORATION	[illegible] LBS
STEAM CONSUMPTION (20% 1200)	43180 LBS
BOILER FACTOR	91.9 %
FIREBOX [illegible] GRATE AREA	4.29
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

GENERAL DATA	
BOILER PRESSURE	[illegible] LBS
TRACTIVE EFFORT	[illegible]
FACTOR OF ADHESION	[illegible]
MAX. CURVATURE	[illegible]
ENGINE TRUCK SWING	[illegible]
TRAILING TRUCK SWING	[illegible]
COAL CAPACITY	[illegible]
WATER CAPACITY	[illegible]
VALVE GEAR	[illegible]
STOKER	[illegible]
FEED WATER HEATER	[illegible]
[illegible]	[illegible]
MAXIMUM OUTLOOP	[illegible]