

Specification for One Engine, Class 27 1/2 C, No. 350

For Virginia City & Truckee R.R. Jan'y 13 th 1872 Drawing No. 20

Gauge of Road,	4' 8 1/2"		Pumps, No. & Kind, 2 Brass
Play,	3/4"		Top Chamber, "
Fuel,	Wood		Bottom " "
Boiler Material,	Steel	Drawing No. 235	Feed Cock, On each side
Diam.,	(46")		" Pipes, Iron
Plan,	Wagon Top		Check " Copper
Domes,	One		Checks, Brass Casting
Dome Casing,	Brass		Injectors, No. & Size, None
" Beads,	Iron		Steam Pipes, "
Mud Drum,	None		Feed " "
Jacket,	Russia Iron		Check " "
" Bands,	Brass		Check " "
Safety Valves,	M.B. & Co. Lock & Balance		Sand Box, Size, Large Round (27")
Gauge Cocks,	3.		Body, Brass
			Beads, Iron
Furnace Material,	Steel		Pipes, Iron seat(?)
Length,	65 3/8		Cab, Blackwalnut
Width,	34 1/2		Pilot, Iron Round Bars
Depth,	65"		Truck, Plan, Swing Bolster
Chamber,	None		Wheels, Diam., 26" (Taylor's)
Hollow Stays,	"		Kind, Plate B.T.
Fire Brick,	"		Journals, Diam., 4 1/2"
Tubes, Material,	Iron Copper Rings f.b. end		" Length, 7 1/2"
Number,	144		Wheel Covers, Brass pipe
Diam.,	2"		Tender Plan, 8 whls. Drawing No. (90)
Length,	10' 11 3/8		Frame, Square
Steam Pipe,	Wrt. Iron		Trucks, " Iron
Grates,	Cast Iron for Wood		Wheels, Diam., 26" (Taylor's)
Ash Pan,	6" Deep		Kind, High Bridge B.T.
Cylinders, Diam.,	16"		Journals, Diam. 3 1/2" Axles 6' 10" long
Stroke,	24"		" , Length, 6"
Steam Ports,	1 1/4" X 15		Brakes Both trucks - iron brake beam
Exhaust "	2 1/2" X 15		Safety Chains, Single
Bridge, width,	1"		Tool Boxes, Top & back
Valve Motion,	Link		Tank Capacity, 2200 gallons 40" high
Ecc. Throw,	5"		

Valve Travel,	5 1/8"	Run Board,	Wood
Lap,	5/8" O.S. 1/32" I.S.	Nosing,	Brass
Lead,	1/16"	Steam Gauge,	Brass
Exhaust,	Double	Stand,	"
Oilers,	In House	Bell "	C.&N.W. Style
Casing,	Brass	Flag Fixtures,	No. 1
Covers,	Brass	Hand Rail,	Brass
Stm.Chst.Casing,	Brass	Oil Cups,	M.B. & Co.
" " Covers,	Iron	Bumpers,	---
Piston Packing,	Spring	Number Plates,	Smoke Box Front
Guides,	Iron, Case hardened	Name and Number,	Reno No. 11
Crossheads,	Cast Iron		
Rock Shafts,	Wrt Iron		
Engine Frame,	Solid Brass(?) Capped	Painting,	best Passenger
Braces,	Welded in		
Drivers, Diam.,	56 3/4"		
Centre Diam.,	52 / *		
Journals "	7"	General Finish,	No. 2
" Length,	8"		
Tires, Kind,	Steel, All flanged. Special turning (see drawing)		
" Size,	5 1/2" X 2 1/2"		
Wheel Covers,	Monogram		Head Lamp
Throttle, Kind,	Balance		
Position,	Front Dome		
Smk. Stack, Kind,	M.B.& Co. Yankee		
Dia. Inside Pipe,	16"		
Height from Rail,			
Netting,	for Soft Coal		

* Note: Tires are tapered 4" away from flange and down by 3/16" from nominal 2 1/2" size. Center diameter is then given by $56 \frac{3}{4} - 2 \times (2 \frac{1}{2} - \frac{3}{16}) = 52 \frac{1}{8}$.

