

Baldwin Specification Sheets  
for  
Holman Locomotives #1 and #10-12

Images from SMU.Libraries

<https://www.smu.edu/libraries/digitalcollections>



# Specification for Engines, Class 8-30 C Nos. 473

SEE EXTRA ORD. 11 6/2/98  
SEE EXTRA ORDER 2480 10/1/95  
" " " 2065 11/1/95

For *W. J. Holman* Sold to Buffalo & Susquehanna R.R. Co. 11/2/95

1895

DRAWING No. 46

Gauge of Road, 4 Ft 8 1/2 In., Play 3/4" / Longitud. seams butt joints.

Fuel, S. C.

Boiler Material, Steel, Thick 1/2", Bill 21116.

Dia. 58", Plan Wagon top, Fire Door 16"

Dome Dia. 32", Position Over wagon top.

" Casing, Iron painted Plain finish

Jacket Iron, Planished - Bands Iron Style 9.

Fire Box, Length 73 1/16 Width 31 1/8, Depth 13 7/8

" Material Steel, Crown 3/8", Tube 1/2", Sides 7/16", Back 9/16"

Water Space, Front 4", Sides 3", Back 3"

Crown Bars, 5 1/2 x 3/4 Placed 1 1/2" above Crown

" Bolts, 7/8" screwed thro. crown with heads below.

Combustion Cham. None, Hollow Stays None.

Tubes, Material Iron, Ends Swaged for cop. rings f b ends.

" No. 2114, Dia. 2", Length 10' 11 3/8"

Heating Surface, Tubes, Fire Box, Total

Smoke Box Extension With, Cleaning Hole and Cap R. & L.

Spark Ejector, Hopper With

Netting & Deflec. Plts. With

Working Steam Pres. 165 Lbs., Boiler to be tested to { 185 Lbs. Steam Pressure  
205 Lbs. Water Pressure

Safety Valves 2 Richardson Encased 3 / With Relief Lev., to Blow off at 165 Lbs.

Gauge Cocks, 3 Back, Surface Valve None

Water Gauge, Wis. Cen. style, With, with lamp Blow off Cock L. S.

Dry Pipe, Wrot. Iron, Fire Bricks With

Cleaning Plugs, Fire Box Sides, front back

" " Waist Under front.

Grate, Rocking & drop

Ash Pan, Dampers, Front & back Depth 12" 1/4" thick

Total Wheel Base of Eng. & Tend. not to exceed

Wheel Base, Rigid 8' 9", Driving 8' 9", Total 22' 10"

Weight { Working order } On Drivers 64,000 Lbs. Total 100,000 Lbs.

Charge as Limit of height as low as possible, say not over 13' 6"

Jack Screws long.

Cylinders, Dia. 18", Stroke 24", Oilers Nathan's 8 Light feed Lub. cap pipes.

Steam Ports, Length 16", Width 1 1/4", Bridges 1"

Exhaust " " 16" " 2 1/2"

Valves, Travel 5 1/2", O. S. Lap 3/4", I. S. Lap —, Lead 3/32"

Eccentric Throw, 5", Exhaust Nozzles Double height.

Cyl. Casings, Iron painted, Head Covers Steel finished.

St. Chest " " Beads, Iron

" " Valves, Balanced with vac valves.

W. S. Met. Pkg for piston rods & valve stems.

Frame, Solid, Braces Welded.

Guides, Double bar Steel, Oil Cups Needle

Crossheads, Cast Steel, yoke, Brass, Rod Oil Cups Spindle.

Wrist Pins, Steel

Pistons, Cast iron rings sprung into solid head.

Throttle, Balance, Position Dome.

Side rods I section solid ends.

Drivers, Dia. 63", Cen. Dia. 56" Tires flat without taper

Tires, Kind, Steel Held by Shrinkage.

" Flanged, Position all, Size 3 1/2" x 5 1/2"

" Plain, " " "

Driving Boxes, Steeled cast iron.

Journal, Dia. 8", Length 8 1/2", Spring Staples Wrot Iron.

Wheel Covers, Iron pipe

Brake, Kind Sch. W. Westg Auto, Position On draw, tend. & train

Air Pump, Pos. L. S. Train Signal Sch. J.

Stack, Kind, Straight Cast iron top, Dia. 18"

Hght. above Rail, Not over 13' 6"

Pumps, Kind None, Position —

Chambers Top, Bottom —

Feed Cock —, Feed Pipes —

Check —, Check " —

Heater —

Injectors 2 Sellers 1887, No. 8 1/2, Position R. & L.

Pipes, Steam Cop., Check Cop., Feed Iron.

Check, C. & W., Position R. & L.

Sand Box, Dia. 28", Pipes Iron.

Body Iron ptd. Plain finish.

Cab, Material Ash ptd. Ventilator in roof.

Pilot Wood \* Bumper, Oak.

Drawhead { Cen. above Rail

Pushing Shoes With, Steps None, Bumper Plate With

Bumper Blocks, None.

Foot Plate Heavy.

\* Use Holman's present pilot & engine truck, keeping pilot & eng. trk of 8-30C473 for use hereafter when sold as a stock engine.

Truck, \* 11 Wheeled Swing bolster

Rad. Bar None, Wheel Cover Iron pipe.

Wheels, Dia. 30", Tread 4 1/4", Kind Plate, Flat tread

Journals, " 5", Length 10"

Tires, Kind —, Cen. Diam. —, Size — Held by —

Tender 8 Wheeled, Frame OAK & YELLOW PINE Drawing No. 356

Tank 3300 Gallons, Bill 735

Trucks Wood bolster, Chan. bar, laid flat Springs Elliptic.

Wheels, Dia. 33", Tread 4 1/4", Kind Plate

Journals, " 3 3/4", Length 7" M. C. B. Ore, Box, Brass & Key

Tires, Kind —, Cen. Diam. —, Size — Held by —

Tool Boxes Top, Safety Chains Single

Drawhead { Cen. above Rail } 35" Janney Coupler.

Brakes, on Both, Trucks Westg Auto. { M. C. B. Christie } Brake Heads

Bumper Blocks None National Hollow brake beams

Arrange for blocking tank up 31"

Running Boards Wood, Nosing Angle Iron

Lamp Shelf Iron, Iron ptd., Headlight Steps

Headlight WITH SIDE NOS. 23 Reflector, to burn Kerosene. Paint

Handrail Iron, Colms, placed Radial, Clock None

Bell Stand Iron, Bell 92 lbs.

Steam Gauge Stand Iron, Gauge Iron 7", Maker

Flag Fixtures Iron on bumper.

Finish N1 { EXCEPT SIDE RODS PTD. IN QUANT. FIN. ON EDGE. } Shipment By rail

Junior Laws to 7 30 95

Painting, Style No. 212, Engine Olive green & aluminum

" " " " " " " " " " " "

Mark on Tank { HOLMAN FRICTION-GEARED LOCOMOTIVE ATTACHMENTS.

Class No. Road No. Name None



