

**DETAILS OF CONSTRUCTION**

**OILER**

Made of plates of homogeneous steel for a pressure of **200** lbs. per square inch, and tested with steam to at least 20 lbs. per square inch, above the boiler pressure, and with hot water to one-third above the boiler pressure. **Safety valves set to 180 lbs. working pressure.**

Waist **58** inches in diameter at smoke box end, made **extended wagon** top, with one dome placed **forward of fire box** Waist plates **5/8 in. & 11/16** inch thick. All longitudinal seams **butt jointed double covering strips**

**ome**

Of open-hearth steel **pressed out in one piece.**

**ubes**

Auxiliary dome **none** Dome cap of forged steel. No. **12** wire gauge, Of **Charcoal Iron** No. **-** wire gauge, Of **-** No. **-** wire gauge,

with copper ferrules and swaged at ends in firebox tube sheet. **200** in number **2** inches in diameter, } and **14** feet **9** inches in length  
**-** in number **-** inches in diameter, }

**ire Box**

**64-1/8** inches long and **42** inches wide inside, of homogeneous steel, side sheets **3/8** inch thick, crown sheet **3/8** inch thick, back sheet **3/8** inch thick, flue sheet **1/2** inch thick. **3** inches front, **3** inches sides and back. Water space frame **single** riveted.

**Water Space**

leaning Holes Located where necessary for proper cleaning of boiler. **two** Fusible plug **1** located in crown sheet. **One filling plug in top of boiler.**

**ire Brick Arch**

**Fire box lined with fire brick for oil burning.**

**stay Bolts**

Water space stay bolts of iron, screwed and riveted to inside and outside sheets.

**rown Staying**

Radial stay bolts of iron, screwed through crown sheet and roof of firebox.

**oilier Covering**

**and back head** Boiler **No. 22 W. G. Polished steel** lagged with approved magnesia boiler covering, neatly jacketed with **and secured by steel bands.**

**oilier Fittings**

Dome lagged with same material as boiler, with painted steel casing on body. Casing to have pressed steel top and bottom ring. Whistle **one 3.L.W.** Blow-off cock **one B.L.W. with** Blower valve **Electric** Safety valves **two Crosby 3" open** **7" Ashcroft** **one 3.L.W.** Steam gauge **7" Ashcroft** , Glass water gauge **one 3.L.W.** , with lamps, gauge cocks.

**eed Water**

Supplied by **Two Sellers 1887 Class "K" #7-1/2 injectors, self acting type, for use with hot water . Fuel sprinkler applied.**

**team Pipes**

**outside of** Of iron, in smoke box. Dry pipe of steel, inside of boiler.

**hrottle Valve**

Balance poppet throttle valve of cast iron, in vertical arm of dry pipe.

**ates**

**Fire brick pavements in pan** With dampers suitably located. **at front only.**

**ir Pan**

**Straight stack.**

**smoke Stack**

**Extended smoke box with spark hopper, low exhaust and cleaning pipe.**

**smoke Box**

**uperheater**

**None.**