

RETURN of DEFECTS found in BOILERS and FITTINGS in the AUCKLAND DISTRICT during the Financial Year ended the 31st March, 1885.

Description.	Dangerous.	Ordinary.	Total.
Furnaces and fire-boxes out of shape	1	4	5
Blistered plates	...	3	3
Fractured plates	...	1	1
Pitted and grooved plates	...	2	2
Corrosion, internal	...	5	5
Corrosion, external	1	11	12
Joints sprung	...	3	3
Tubes	...	5	5
Stays	1	3	4
Total defects in boilers	3	37	40
Defective fittings—			
Safety-valves	...	7	7
Pressure-gauges	...	7	7
Water-gauges	...	11	11
Blow-off taps	...	3	3
Spring-balances	...	2	2
Omissions—			
Boilers without water-gauges	...	1	1
Boilers without sludge-holes	...	1	1
Gross total	3	69	72

RETURN of NOTICES given to REPAIR BOILERS in the AUCKLAND DISTRICT during the Financial Year ended the 31st March, 1885.

Date of Notice.	Description of Boiler.	Nature of Repairs ordered.
1884.		
April 9 ...	Cylindrical ...	New top end, and vertical stay to be fitted.
May 3 ...	Portable ...	Screw-patch to be fitted, and other parts caulked in lower parts of fire-box.
May 28 ...	Cornish ...	New plate in bottom of boiler.
May 30 ...	Cornish ...	New plate in bottom of boiler.
June 4 ...	Cylindrical ...	One fore-and-aft stay to be fitted.
June 11 ...	Portable ...	Screw-patch to be fitted to the shell, and two stays to top of fire-box.
June 13 ...	Portable ...	Two patches fitted to fire-box, and new water-gauge.
June 16 ...	Cornish ...	New feed-pipe to be fitted, and safety-valve overhauled.
June 17 ...	Portable ...	To be re-tubed, and four stays and fusible plug fitted.
June 18 ...	Locomotive ...	About one-half of the fire-box to be renewed.
July 4 ...	Portable ...	New plate in the shell.
July 5 ...	Locomotive ...	Patch in fire-box renewed, and six new tubes fitted.
July 8 ...	Portable ...	New pressure- and water-gauges to be fitted.
July 14 ...	Portable ...	One of the malleable cast-iron stay-bars on top of fire-box broken through the middle; two wrought-iron ones have been fitted.
Aug. 9 ...	Cornish ...	Parts of the bottom which rested on the side walls reduced by corrosion to $\frac{1}{8}$ in. thick; the bottom to be renewed.
Aug. 14 ...	Vertical flue ...	Two patches to be fitted round sludge-holes.
Aug. 28 ...	Vertical tubular ...	Safety-valves and water-gauge to be overhauled.
Aug. 29 ...	Vertical tubular ...	New flue from crown of furnace to crown of boiler.
Sept. 3 ...	Vertical tubular ...	New top end tube-plate, and patch to the shell.
Oct. 14 ...	Cylindrical ...	Two riveted patches fitted to bottom.
Nov. 17 ...	Portable ...	New safety-valve, and two patches fitted to fire-box.
Nov. 28 ...	Cornish ...	Two angle-iron rings fitted to furnace-flue.
Dec. 12 ...	Vertical tubular ...	Re-tubed, and vertical flue repaired.
Dec. 23 ...	Longitudinal tubular ...	Two screw-patches to be fitted to the lower part of the fire-box.
1885.		
Jan. 3 ...	Portable ...	Patch fitted to fire-box, and new pressure- and water-gauges.
Jan. 7 ...	Vertical tubular ...	Re-tubed, and vertical flue fitted.
Jan. 20 ...	Portable ...	Three tubes renewed, and water-gauge fitted.
Jan. 26 ...	Cornish ...	Fractured part of end plate in flue taken out and renewed.
Mar. 10 ...	Cornish ...	One-half of the front end-plate to be renewed.