

No. 2.—RETURN of DEFECTS found on Inspection of Boilers during the Financial Year ended the 31st March, 1909.

Description of Defects.	Dangerous.	Defective in Lesser Degree.	Total.
Adamson's welts in furnaces defective ... ..	...	2	2
All screwed stays in firebox bad	3	...	3
Angle iron on front end plate defective ... ..	...	1	1
Back tube-plates bulged ... ..	...	2	2
Back tube-plates corroded (pressure reduced) ... ..	...	4	4
Boilers dirty inside ... ..	...	94	94
Bottom of combustion-chamber bad ... ..	...	1	1
Bottom of firebox wasted ... ..	...	4	4
Bottom of shell defective (pressure reduced) ... ..	...	1	1
Bottom of shell pitting internally ... ..	...	1	1
Bottom of shell thin ... ..	...	9	9
Bottom row of tubes bad ... ..	...	3	3
Brickwork-setting defective ... ..	...	34	34
Bulged slightly at back end ... ..	...	1	1
Bulged under bottom of shell	1	10	11
Bulged under bottom of shell (pressure reduced) ... ..	...	2	2
Bulged under fire-door ... ..	...	1	1
Compensating-ring round manhole wasted ... ..	...	1	1
Corroded badly outside ... ..	...	1	1
Corroded internally ... ..	...	5	5
Corroded severely at bottom of uptake ... ..	...	1	1
Cracked at a number of rivet-holes (pressure reduced) ... ..	...	1	1
Cracked slightly on bottom of shell ... ..	...	1	1
Cracked slightly at a number of rivet-holes ... ..	...	12	12
Cracked slightly in firebox ... ..	...	4	4
Cracked slightly on shell-plate ... ..	...	4	4
Cracked under bottom of shell	1	...	1
Cracked under bottom for a length of 2 ft. through rivet-holes in circumferential seam	1	...	1
Cross tubes thin ... ..	...	2	2
Crown of boiler wasted ... ..	...	3	3
Crown of firebox badly bulged	2	1	3
Crown of firebox slightly bulged ... ..	...	8	8
Crown of firebox wasted (pressure reduced) ... ..	...	6	6
Crown of steam-dome wasted ... ..	...	1	1
Eight feet of top of flue defective, and 3 ft. of bottom of shell	1	...	1
Eighteen screwed stays in firebox bad ... ..	...	4	4
Eighty-one screwed stays in firebox bad	1	...	1
Eleven screwed stays in firebox bad ... ..	...	2	2
Fifteen screwed stays in firebox bad ... ..	...	1	1
Fifty screwed stays in firebox bad	1	...	1
Firebox badly pitted ... ..	...	1	1
Firebox general waste	7	1	8
Firebox overheated, stays leaking (pressure reduced) ... ..	...	1	1
Firebox-sides bulged ... ..	...	5	5
Firebox thin (pressure reduced) ... ..	...	5	5
Firebox wasted, and several rivets and screwed stays bad ... ..	...	1	1
Firebox wasted on outside shell ... ..	...	2	2
Forty screwed stays in firebox bad	4	...	4
Forty-six screwed stays in firebox bad	1	...	1
Forty-two screwed stays in firebox bad	1	...	1
Foundation-rings round bottom of firebox defective ... ..	...	6	6
Fourteen screwed stays in firebox bad ... ..	...	3	3
Front plate in bottom of shell bad	1	...	1
Front tube-plate wasted ... ..	...	5	5
Furnace-crown bulged ... ..	...	2	2
Furnace-crown bulged (pressure reduced) ... ..	...	1	1
Furnace-crown wasted ... ..	...	2	2
Furnace defective where connected to front of boiler ... ..	...	1	1
Furnace thin at bottom (pressure reduced) ... ..	...	1	1
Furnace thin at front right-hand side ... ..	...	1	1
Furnace weak; was strengthened ... ..	...	2	2
Galloway tubes thin ... ..	...	2	2
General deterioration (pressure reduced) ... ..	...	144	144
Girders on firebox-crown wasted ... ..	...	3	3