

## No. 2.—RETURN of DEFECTS found on Inspection of Boilers during the Financial Year ended 31st March, 1911.

Description of Defects.	Dangerous.	Defective in Lesser Degree.	Total.
A number of rivets in furnace bad .. .. .	..	2	2
A number of rivets in shell bad .. .. .	..	1	1
All screwed stays in firebox bad .. .. .	4	..	4
Angle-iron collar on top end of uptake defective .. .. .	..	1	1
Back tube-plate bulged .. .. .	..	2	2
Back tube-plate corroded .. .. .	..	1	1
Badly pitted inside shell .. .. .	..	2	2
Boilers dirty inside .. .. .	..	58	58
Bolts in gusset-stays defective .. .. .	..	1	1
Bottom of combustion-chamber wasted .. .. .	..	1	1
Bottom of firebox thin .. .. .	..	2	2
Bottom of shell defective .. .. .	..	1	1
Bottom of shell thin .. .. .	1	5	6
Bottom row of tubes bad .. .. .	..	2	2
Brickwork-setting defective .. .. .	..	25	25
Bulged under bottom of shell .. .. .	..	9	9
Circumferential seams wasted .. .. .	..	2	2
Corroded internally .. .. .	..	7	7
Coupling-pins in longitudinal stays bad .. .. .	..	5	5
Cracked slightly in firebox .. .. .	..	3	3
Cracked slightly at a number of rivet-holes .. .. .	..	15	15
Cracked under bottom of shell .. .. .	..	1	1
Crown of boiler wasted .. .. .	..	3	3
Crown of firebox and girders buckled .. .. .	..	1	1
Crown of firebox pitted badly .. .. .	..	1	1
Crown of firebox slightly bulged .. .. .	..	7	7
Crown of firebox wasted .. .. .	1	8	9
Crown of firebox wasted (pressure reduced) .. .. .	..	2	2
Crown of steam-dome wasted .. .. .	..	1	1
Crown-plate pitting badly .. .. .	..	1	1
Eight rivets defective in shell .. .. .	..	1	1
Eight rivets in gusset-stay defective .. .. .	..	1	1
Eight screwed stays in firebox bad .. .. .	..	2	2
Eight tubes bad .. .. .	..	1	1
Eighteen screwed stays in firebox bad .. .. .	..	1	1
Eighteen tubes bad .. .. .	..	1	1
Eighty screwed stays in firebox bad .. .. .	1	..	1
Eleven rivets in front end plate defective .. .. .	..	1	1
Eleven screwed stays in firebox bad .. .. .	..	1	1
Fifteen rivets in shell bad .. .. .	..	1	1
Fifty screwed stays in firebox bad .. .. .	1	..	1
Firebox badly pitted .. .. .	..	1	1
Firebox, general waste .. .. .	4	2	6
Firebox sides bulged .. .. .	..	3	3
Firebox sides thin .. .. .	..	5	5
Firebox thin (pressure reduced) .. .. .	..	3	3
Firebox wasted on outside shell .. .. .	..	1	1
Five rivets in circumferential seam bad .. .. .	..	1	1
Five rivets in foundation-ring defective .. .. .	..	1	1
Forty screwed stays in firebox bad .. .. .	..	1	1
Foundation-rings round bottom of firebox defective .. .. .	..	4	4
Four rows of tubes bad .. .. .	..	1	1
Fourteen tubes bad .. .. .	..	1	1
Front tube-plate wasted .. .. .	..	2	2
Furnace-crowns wasted .. .. .	..	2	2
Furnace thin .. .. .	1	..	1
Furnace wasted at end over flanging .. .. .	..	1	1
Galloway tubes thin .. .. .	..	1	1
General deterioration (pressure reduced) .. .. .	..	56	56
Girders on crown of firebox wasted .. .. .	..	2	2
Girder-stays defective .. .. .	..	1	1
Grooved at end seams .. .. .	..	1	1
Grooved at foundation-ring .. .. .	..	4	4
Grooved on furnace-crown .. .. .	..	1	1
Grooved round uptake on crown of firebox .. .. .	..	1	1