No. 2.—Return of Defects found on Inspection of Boilers during the Financial Year ended the 31st March, 1912.

A number of rivets in shell defective A number of rivets in shell defective All screwed stays in firebox bad Bottom of firebox wasted Buddy pitted Buddy pitt		THE	31st M	larch,	1912.		
All seing stays in firebox bad All sling stays defective 1	Description of Defe	ects.			Dangerous.		Total.
All sorewed stays in firebox bad All sling stays defective 1	A number of rivets in shell defective					1	1
All sling stays defective Angle collars on uptake wasted Back end of furnace wasted. Back end plate pitted Back end plate pitted Boltor dirty inside Bottom of firebox wasted Bulged slightly at back end Bulged slightly at back end Bulged under bottom of shell Corroded internally Corroded internally Corpoled int					1		1
Angle collars on uptake wasted Back end of furnace wasted. Back end of furnace wasted. Boilers dirty inside boilers decided Boilers dirty inside boilers decided Boilers dirty inside boilers decided Boilers dirty inside boilers dirty insid					1	.,	1
Back end-plate pitted							
Sadly pitted 1						1	
Doublers dirty inside	Back end-plate pitted						
Bottom of firebox wasted 2 2 2 2 2 2 3 3 3 3	Badly pitted						
Souttom of shell thin 1					2	1	
Shekwork-setting defective 10 10 10 10 10 10 10 1		• •		• •		1 1	
Sulged slightly at back end 3 3 3 3 3 3 3 3 3			• •	• •	1	1	
Sulged under bottom of shell		• •	• •	• •	• •	L i	
Dorroded internally			• •	• •	• •	1	
Coupling-pins in longitudinal stays defective		• •	• •		• •		
Cracked in firebox 1	Corroded internally	Jafaatirra		-	• •	l i	
Pracked slightly at a number of rivet-holes 18 18 18 18 170ss-tubes wasted 2 2 2 2 2 1 2 3 3 3 3 3 3 3 3 3		derecuve		1	• •	1	
Cross-tubes wasted 2 2 2 2 2 2 2 2 2	Oracked III HIEDOX	et-holes		• •	• •		
Crown of boiler wasted 3 3 3 3 3 3 3 3 3		eo-moies	••	••			
Crown of firebox bad		• •					
Crown of firebox badly bulged		• •	• •				
1		• •					
Prown of firebox slightly bulged			• •		• •	i t	
Crown of firebox wasted				i		I i	
Trown plate of boiler bad 1				1			
Eight screwed stays in firebox bad							
1				1		1	1
Fifty tubes bad				1	1		1
Fifty tubes bad						1	1
Firebox general waste 8 8 Firebox sides bulged 3 3 Firebox sides thin 2 3 5 Firedoor-ring cracked at corners 1						1	
Firebox sides bulged					8		
Firebox sides thin 2 3 5 Firedoor-ring cracked at corners 1 1 1 Five screwed stays in throat-plate broken 1 1 1 Flanging of furnace cracked . 1 1 1 Forty-three crivets in shell defective . 1	Firebox sides bulged					1	
Five screwed stays in throat-plate broken	Firebox sides thin				2	1 1	
Flanging of furnace cracked. 1	Firedoor-ring cracked at corners					-	
Forty-two screwed stays in firebox bad 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Five screwed stays in throat-plate l	oroken	• •		• •		
Forty-three rivets in shell defective		_ · :	• •		_	1	
Foundation-rings round bottom of firebox wasted			• •	• •	1		
Four stay-tubes bad	Forty-three rivets in shell defective	• • •		• •			
Fourteen screwed stays in firebox bad Front tube-plates wasted		firebox w	rasted	• •	• •		
Front tube-plates wasted			• •	• •	• •		_
Furnace-crowns down 1 2		ad	• •	• •	• •		
Furnace-crowns wasted (pressure reduced) 2 2 Furnaces thin at bottom 1 1 Galloway tube bulged 1 1 Galloway tubes thin 2 2 General deterioration (pressure reduced) 90 90 Girders on crown of firebox wasted 2 2 Girder-stays defective 1 1 Grooved at foundation-ring 2 2 Grooved on furnace-crowns 1 1 Grooved on tube-plates 1 1 Grooved on tube-plates 3 3 Hanger bracket for boiler defective 1 1 Lamination in bottom shell-plate 3 3 Lamination in furnace-plate 1 1 Leaking at corners of foundation-ring 2 2 Longitudinal stays wasted 1 1 Longitudinal stays wasted 1 1 Longitudinal stays wasted 2 2 Manhole-door spigots defective 7 7 Mudhole-door spigots defective 7		• •	• •				
Furnaces thin at bottom 1 2		ducad)	••			1	
Galloway tube bulged 1 1 Galloway tubes thin 2 2 General deterioration (pressure reduced) 90 90 Girders on crown of firebox wasted 2 2 Girder-stays defective 1 1 Grooved at foundation-ring 2 2 Grooved on furnace-crowns 1 1 Grooved on tube-plates 1 1 Grooved on tube-plates 3 3 Hanger bracket for boiler defective 3 3 Hanger bracket for boiler defective 1 1 Lamination in bottom shell-plate 3 3 Lamination in furnace-plate 1 1 Leaking at corners of foundation-ring 2 2 Longitudinal seams wasted 1 1 Longitudinal stays wasted 6 6 Manhole-doors bad 15 15 Manhole-door spigots defective 7 7 Mudhole-door doors bad 5 32 37 Mudhole-door dogs bad 2 2			• •			1	
Galloway tubes thin 2 2 General deterioration (pressure reduced) 90 90 Firders on crown of firebox wasted 2 2 Grider-stays defective 1 1 Grooved at foundation-ring 2 2 Grooved on furnace-crowns 1 1 Grooved on tube-plates 1 1 Hanger bracket for boiler defective 1 1 Hamper bracket for boiler defective 1 1 Lamination in bottom shell-plate 3 3 Lamination in furnace-plate 1 1 Leaking at corners of foundation-ring 2 2 Longitudinal seams wasted 1 1 Longitudinal stays wasted 6 6 Manhole-doors bad 15 15 Manhole-door spigots defective 7 7 Mudhole-door spigots defective 7 7 Mudhole-door dogs bad 5 32 37			• •	1	• •	1	
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Girder-stays defective 1 1 Frooved at foundation-ring 2 2 Frooved on furnace-crowns 1 1 Frooved on tube-plates 1 1 Fusset-stays defective 3 3 Hanger bracket for boiler defective 1 1 Lamination in bottom shell-plate 3 3 Lamination in furnace-plate 1 1 Leaking at corners of foundation-ring 2 2 Longitudinal seams wasted 1 1 Longitudinal stays wasted 6 6 Manhole-doors bad 15 15 Manhole-door spigots defective 2 2 Mudhole-doors bad 5 32 37 Mudhole-door dogs bad 2 2	Firders on crown of firehox wested		• •			1	
Strooved at foundation-ring 2 2 2 3 3 3 3 3 3 3							
Arooved on furnace-crowns 1 1 Brooved on tube-plates 1 1 Busset-stays defective 3 3 Hanger bracket for boiler defective 1 1 Lamination in bottom shell-plate 3 3 Lamination in furnace-plate 1 1 Leaking at corners of foundation-ring 2 2 Longitudinal seams wasted 1 1 Longitudinal stays wasted 6 6 Manhole-doors bad 15 15 Manhole-door riveting defective 2 2 Mudhole-door spigots defective 7 7 Mudhole-door dogs bad 5 32 37 Mudhole-door dogs bad 2 2	Proved at foundation-ring		• •			i i	
Grooved on tube-plates 1 1 Grosved on tube-plates 3 3 Hanger bracket for boiler defective 1 1 Lamination in bottom shell-plate 3 3 Lamination in furnace-plate 1 1 Leaking at corners of foundation-ring 2 2 Longitudinal seams wasted 1 1 Longitudinal stays wasted 6 6 Manhole-doors bad 15 15 Manhole-door riveting defective 2 2 Mudhole-door spigots defective 7 7 Mudhole-door dogs bad 5 32 37 Mudhole-door dogs bad 2 2						1	
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Hanger bracket for boiler defective				1		3	3
Lamination in bottom shell-plate 3 3 Lamination in furnace-plate. 1 1 Leaking at corners of foundation-ring 2 2 Longitudinal seams wasted 1 1 Longitudinal stays wasted 6 6 Manhole-doors bad 15 15 Manhole-door riveting defective 2 2 Manhole-door spigots defective 7 7 Mudhole-doors bad 5 32 37 Mudhole-door dogs bad 2 2	langer bracket for boiler defective					1	
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Leaking at corners of foundation-ring 2 2 Longitudinal seams wasted 1 1 Longitudinal stays wasted 6 6 Manhole-doors bad 2 2 Manhole-door riveting defective 7 7 Mudhole-door spigots defective 5 32 37 Mudhole-door dogs bad 2 2			• •			· ·	
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Longitudinal stays wasted 6 6 Manhole-doors bad <td>Longitudinal seams wasted</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Longitudinal seams wasted						
Manhole-doors bad <td></td> <td></td> <td></td> <td> </td> <td></td> <td></td> <td></td>							
Manhole-door riveting defective 2 2 Manhole-door spigots defective <td>Manhole-doors bad</td> <td></td> <td>• •</td> <td></td> <td>• •</td> <td></td> <td></td>	Manhole-doors bad		• •		• •		
Manhole-door spigots defective	Manhole-door riveting defective				• •		
Mudhole-doors bad. 5 32 37 Mudhole-door dogs bad 2 2	Manhole-door spigots defective		• •		_		
Mudhole-door dogs bad	Mudhole-doors bad		• • •		5		
Mudhole-door studs bad 6	Mudhole-door dogs bad		• •		• •		
	Mudhole-door studs bad					-6	6