RETURN of DEFECTS found in Boilers and Fittings in the Auckland District during the Financial Year ended the 31st March, 1886.

Description.							Ordinary.	Total.	
Furnace-flues out of				1	1				
Blistered plates	···		• • •	•••	•••		$\overline{4}$	$\frac{-}{4}$	
Fractured plates						•••	3	3	
Pitted and grooved p						1	1		
Corrosion, internal						1	3	4	
Corrosion, external			•••	•••		2	10	12	
Joints sprung			• • •				$^2$	2	
Tubes			• • •		• • •		8	8	
Stays	•••	•••	•••	•••	•••	•••	7	7	
Total defects in boilers						3	39	42	
Defective fittings—					ļ				
Safety-valves	•••	• • •	***			•••	6	6	
Pressure-gauges	•••	• • • •	• • •	•••	• • •	•••	11	11	
Water-gauges		•••		• • •		•••	15	15	
Spring-balances	•••	• • • •	• • •				<b>2</b>	2	
Blow-off cocks and pipes				• • •		1	2	3	
Fusible plugs in fire-boxes		• • •				• • •	3	3	
Omissions—		•			}				
Boilers without sludge-holes			•••	• • •		•••	1	1	
Gross total .						4	79	83	

RETURN of Machinery inspected in the Auckland District during the Financial Year ended the 31st March, 1886.

Assaying	Description of	Machinery.	Steam.	Water.	Gas.	Description of Machiner	у.	Steam.	Water.	Gas.
Boiling-down	A		1			Tifts on clouding			5	,
Brick works    8    Lead works    1      Bone-mills    2    Locomotives    4      Bakeries    1    1    Mortar-mills    10      Breweries    10    Meat-canning factories    3      Boat-building    1    Oil, soap, and candle works    1      Block and pump works    2    Pumping and winding    19      Cabinet-making factories    3    Phormium-dressing    2      Cartridge factory    1    Potteries    4      Coach factories    2    Printing    3      Chair factory    1    Pile-driving    1      Chair factory    1    Pile-driving    1      Chair factory    1    Pile-driving    1      Coperage    1    Quartz-crushing    1      Chemical and manure works    1    Quartz-smelting    1      Coffee mills    2    Refrigerating works    2      Cement works    5    Road roller    1      Chaiff-cutting    14    Saw-mil			٦ .						_	
Bone-mills			0	1	1	If	ļ		1	
Bakeries    1    1    Mortar-mills    10      Breweries    10    Meat-canning factories    3      Boat-building    1    Oil, soap, and candle works    1      Block and pump works    2    Pumping and winding    19      Cabinet-making factories    3    Phormium-dressing    2      Cartridge factory    1    Potteries    4      Coach factories    2    Printing    3      Chair factory    1    Pile-driving    1      Cheses and butter factories    8    Paint factory    1      Cheses and butter factories    8    Paint factory    1      Cooperage    1    Quartz-crushing    1      Chemical and manure works    1    Quartz-smelting    1      Cordial works    3    Refrigerating works    2      Coment works    5    Rope works    1      Coffee-mills    2    Road roller    1      Chaff-cutting    14    Saw-mills    44      Dredging    <			9		]	т				
Breweries    10    Meat-canning factories    3      Boat-building    1    Oil, soap, and candle works    1      Block and pump works    2    Pumping and winding    19      Cabinet-making factories    3    Phormium-dressing    2      Cartridge factory    1    Potteries    4      Coach factories    2    Printing    3      Chair factory    1    Pile-driving    1      Chair factory    1    Paint factory    1      Chese and butter factories    8    Paint factory    1      Chair factory    1    Quartz-crushing    1      Coperage    1    Quartz-smelting    1      Coperage    1    Quartz-smelting    1      Cordial works    3    Refrigerating works    2      Cement works    5    Rope works    1      Coffee-mills    2    Road roller    1      Chaff-cutting    14    Saw-mills    44      Dredying    2    Sash and door factories			1	1		7.7	1	_		
Boat-building			10							
Block and pump works			-1					_		
Cabinet-making factories    3    Phormium-dressing    2       Cartridge factory    1    Potteries    4       Coach factories    2    Printing    3       Chair factory    1    Pile-driving    1       Cheese and butter factories    8    Paint factory    1       Cheese and butter factories    8    Paint factory    1       Coperage    1    Quartz-crushing    1       Chemical and manure works    1    Quartz-smelting    1       Cordial works    3    Refrigerating works    2       Cement works    5    Rope works    1       Coffee-mills    2    Road roller    1       Chaff-cutting    14    Saw-mills    44       Dredging    2    Sash and door factories    3       Flock-mill    1    Ship-building    3       Fill mongeries				•••		D			•••	
Cartridge factory    1    Potteries    4	Block and pum	p works		•••		Dhamairan Janaria			•••	***
Coach factories    2    Printing    3      Chair factory    1    Pile-driving    1      Cheese and butter factories    8    Paint factory    1      Cooperage    1    Quartz-crushing    1      Chemical and manure works    1    Quartz-smelting    1      Cordial works    3    Refrigerating works    2      Cement works    5    Rope works    1      Coffee-mills    2    Road roller    1      Chaff-cutting    14    Saw-mills    44      Dredging    2    Sash and door factories    3      Dock    1    Ship-building    3      Flour-mills    8    Stone-breaking    2      Flow-mill    1    Sausage-machines    3      Fellmongeries    2    Sugar works    1      Fish- and fruit-preserving    2    Soap works    3      Fire-engine    1    Threshing-machines    10      Gas works    3    Tanneries    5	Cabinet-making	; lactories		•••		TD •		_	•••	• • •
Chair factory    1    Pile-driving    1       Cheese and butter factories    8    Paint factory    1       Cooperage    1    Quartz-crushing    1       Chemical and manure works    1    Quartz-smelting    1       Cordial works    3    Refrigerating works    2       Cement works    5    Rope works    1       Coffee-mills    2    Road roller    1       Coffee-mills    2    Saw-mills    44       Dredging    14    Saw-mills    44       Dredging    2    Sash and door factories    3       Flour-mills    8    Stone-breaking    2       Flow-mill    1    Sausage-machines    3       Flow-mills    1    Sausage-machines    3       Flow-mills    2    Sugar works    1       Flow-mills    1    Sausa				•••		1		_	'''	•••
Cheese and butter factories    8    Paint factory    1 <t< td=""><td></td><td></td><td></td><td>• • • •</td><td></td><td></td><td>••••</td><td></td><td></td><td>•••</td></t<>				• • • •			••••			•••
Cooperage    1    Uguartz-crushing    1    Uguartz-smelting    1    Uguartz-smelting				• • • • • • • • • • • • • • • • • • • •				_		• • •
Chemical and manure works    1    Quartz-smelting    1       Cordial works    3    Refrigerating works    2       Cement works    5    Rope works    1       Coffee-mills    2    Road roller    1       Chaff-cutting    14    Saw-mills    44       Chaff-cutting    2    Sash and door factories    3       Dock    1    Ship-building    3       Flour-mills    8    Stone-breaking    2       Flow-mill    1    Sausage-machines    3       Fellmongeries    2    Sugar works    1       Fish- and fruit-preserving    2    Soap works    3       Fire-engine    15    Tobacco factory    1       Fire-engine    1    Threshing-machines    10       Gas works    3    Tanneries    5       Hoisting    17    Wo				• • • • • • • • • • • • • • • • • • • •			į.	_		• • •
Cordial works    3    Refrigerating works    2       Cement works    5    Rope works    1       Coffee-mills    2    Road roller    1       Chaff-cutting    14    Saw-mills    44       Dredging    2    Sash and door factories    3       Dock    1    Ship-building    3       Flour-mills    8    Stone-breaking    2       Flock-mill    1    Sausage-machines    3       Fellmongeries    2    Sugar works    1       Fish- and fruit-preserving    2    Soap works    3       Fire-engine    15    Tobacco factory    1       Fire-engine    1    Threshing-machines    10       Gas works    3    Tanneries    5       Hoisting    17    Vinegar factory    1       Hauling    7    Wool-dumping			•	• • • •	•••		- 1			• • •
Cement works    5    Rope works    1					• • • • • • • • • • • • • • • • • • • •	Quartz-smelting		_		• • •
Coffee-mills    2    Road roller    1       Chaff-cutting    14    Saw-mills    44       Dredging    2    Sash and door factories    3       Dock    1    Ship-building    3       Flour-mills    8    Stone-breaking    2       Flock-mill    1    Sausage-machines    3       Fellmongeries    2    Sugar works    1       Fish- and fruit-preserving    2    Soap works    3       Firewood-cutting    15    Tobacco factory    1       Fire-engine    1    Threshing-machines    10       Gas works    3    Tanneries    5       Hoisting    17    Vinegar factory    1       Hauling    7    Wool-dumping    2       Iron works and foundries    20    Water works    2							••••	_	4	• • •
Chaff-cutting    14    Saw-mills    44       Dredging    2    Sash and door factories    3       Dock    1    Ship-building    3       Flour-mills    8    Stone-breaking    2       Flock-mill    1    Sausage-machines    3       Fellmongeries    2    Sugar works    1       Fish- and fruit-preserving    2    Soap works    3       Firewood-cutting    15    Tobacco factory    1       Fire-engine    1    Threshing-machines    10       Gas works    3    Tanneries    5       Hoisting    17    Vinegar factory    1       Hauling    7    Wool-dumping    2       Iron works and foundries    20    Water works    2	•	•••		1			• • • •	-		•••
Dredging    2     Sash and door factories    3       Dock     1     Ship-building        Flour-mills    8     Stone-breaking    2       Flock-mill    1     Sausage-machines    3       Fellmongeries    2     Sugar works    1       Fish- and fruit-preserving    2     Soap works    3       Firewood-cutting    15     Tobacco factory    1       Fire-engine    1     Threshing-machines    10       Gas works    3     Tanneries    5       Hoisting    17    Vinegar factory    1       Hauling    7     Wool-dumping    2       Iron works and foundries    20     Water works    2		•••	-			1	•••	_		• • •
Dock    1    Ship-building    3       Flour-mills    8    Stone-breaking    2       Flock-mill    1    Sausage-machines    3       Fellmongeries    2    Sugar works    1       Fish- and fruit-preserving    2    Soap works    3       Firewood-cutting    15    Tobacco factory    1       Fire-engine    1    Threshing-machines    10       Gas works    3    Tanneries    5       Hoisting    17    Vinegar factory    1       Hauling    7    Wool-dumping    2       Iron works and foundries    20    Water works    2				···						• • •
Flour-mills    8    Stone-breaking    2       Flock-mill    1    Sausage-machines    3       Fellmongeries    2    Sugar works    1       Fish- and fruit-preserving    2    Soap works    3       Firewood-cutting    15    Tobacco factory    1       Fire-engine    1    Threshing-machines    10       Gas works    3    Tanneries    5       Hoisting    17    Vinegar factory    1       Hauling    7    Wool-dumping    2       Iron works and foundries    20    Water works    2			–	• • • •			3		•••	• • •
Flock-mill    1     Sausage-machines    3       Fellmongeries    2     Sugar works    1       Fish- and fruit-preserving    2     Soap works    3       Firewood-cutting    15     Tobacco factory    1       Fire-engine     1     Threshing-machines    10       Gas works    3     Tanneries    5       Hoisting    17     Vinegar factory    1       Hauling    7     Wool-dumping    2       Iron works and foundries    20     Water works    2		• • • • • • • • • • • • • • • • • • • •		•••			•••		··· [	•••
Fellmongeries  2   Sugar works   1     Fish- and fruit-preserving  2   Soap works   3     Firewood-cutting   15   Tobacco factory   1     Fire-engine   1   Threshing-machines   10     Gas works   3   Tanneries   5     Hoisting   17   Vinegar factory   1     Hauling   7   Wool-dumping   2     Iron works and foundries   20   Water works   2							• • •			444
Fish- and fruit-preserving    2     Soap works     3        Firewood-cutting     15     Tobacco factory     1       Fire-engine     1     Threshing-machines     10       Gas works     3     Tanneries     5       Hoisting     17     Vinegar factory     1       Hauling     7     Wool-dumping     2       Iron works and foundries     20     Water works     2					• • • • • • • • • • • • • • • • • • • •			-	•••	
Firewood-cutting   15   Tobacco factory   1     Fire-engine   1   Threshing-machines   10     Gas works   3   Tanneries   5     Hoisting   17   Vinegar factory   1     Hauling   7   Wool-dumping   2     Iron works and foundries  20   Water works   2							• • • •	_	•••	• • •
Fire-engine   1    Threshing-machines   10      Gas works   3    Tanneries   5      Hoisting   17    Vinegar factory   1      Hauling     Wool-dumping   2      Iron works and foundries   2					•••		• • • •	_		
Gas works   3    Tanneries   5      Hoisting   17    Vinegar factory   1      Hauling   7    Wool-dumping   2      Iron works and foundries  20    Water works   2		ıg					• • •	_	•••	
Hoisting   17    Vinegar factory   1      Hauling   7    Wool-dumping   2      Iron works and foundries  20    Water works   2			-				•••			
Hauling 7 Wool-dumping 2 Iron works and foundries 20 Water works 2				• • • •				_		•••
Iron works and foundries 20 Water works 2	Hoisting			• • • •	• • • •	Vinegar factory				
			- 1					_		
Toingring		foundries	1			Water works		$\sim 2$		
Joineries 2	Joineries		$\cdot \mid 2$				1			