

APPENDIX.

REPORT BY CHIEF INSPECTOR OF MACHINERY

Inspection of Machinery Office,

Wellington, 1st August, 1881.

Sir,—

I have the honor to submit my seventh report as Chief Inspector of Machinery, being that for the year ended the 31st March, 1881.

I have much pleasure in being able to state that, although the number of boilers has considerably increased, no explosion has occurred during the year.

There has been an increase of 100 boilers inspected, the number now being 1,250; of these, 82 were found defective in various parts, viz.: Furnaces out of shape, fractured and laminated plates, internal and external corrosion, grooving and pitting, also feed apparatus, water-gauges, safety-valves, and blow-off cocks out of order; all these defects have been repaired to the satisfaction of the inspectors.

In addition to the boilers, there have also been inspected 1,048 establishments of various kinds, in which either steam, water, wind, or gas is used as a motive-power, making the total number of inspections during the year 2,298.

The number of accidents reported was ten, two of which proved fatal; the machinery in each case was securely fenced. These accidents were all of the class which is not preventable by inspection.

The test steam-gauges imported, and the testers made in the colony, are of great service in ascertaining the condition and errors of steam-gauges in general. In many cases gauges have been condemned, and when possible tables have been supplied showing the correction to be supplied to each reading. All this is done free of charge.

I attach tables showing the number of boilers inspected, also tables showing the amount of revenue and expenditure, during the past year.

I have, &c.,

The Secretary, Marine Department,
Wellington.

J NANCARROW,
Chief Inspector.

STATEMENT showing the NUMBER of LAND BOILERS INSPECTED during the Financial Year ended
31st March, 1881.

Name of District.	Number of Portable Boilers.			Number of Stationary Boilers.			Total.
	Under 5 h. p.	5 to 10 h. p.	Over 10 h. p.	Under 5 h. p.	5 to 10 h. p.	Over 10 h. p.	
Otago	14	95	21	82	47	77	336
Canterbury ..	8	103	10	70	15	32	238
Auckland	12	33	24	67	42	99	277
Wellington	6	37	13	27	33	49	165
Marlborough ..	2	15	2	3	9	23	54
Taranaki ..	1	9	5	4	3	2	24
Nelson North	1	19	6	12	11	2	51
Nelson South	..	2	5	7	..	5	19
Westland ...	..	3	2	12	7	9	33
Hawke's Bay ...	...	26	5	9	10	3	53
Totals	44	342	93	293	177	301	1,250

RETURN showing the AMOUNT of FEES COLLECTED under the Inspection of Machinery Acts
during the Year ended 31st March, 1881.

Name of District.	Amount collected.
Otago	£ 665
Canterbury ..	473
Auckland	526
Wellington ..	325
Marlborough	108
Taranaki	49
Nelson North	99
Nelson South	62
Westland ...	55
Hawke's Bay ...	105
	£2,467