

RETURN of DEFECTS found on the INSPECTION of BOILERS and FITTINGS in the OTAGO DISTRICT during the Financial Year ended the 31st March, 1888.

| Description.                                    | Dangerous | Ordinary. | Total. |
|---|-----------|-----------|--------|
| Blow-off cocks ... ..                           | ...       | 3         | 3      |
| Bottoms of shells thin ... ..                   | 3         | ...       | 3      |
| Corrosion, internal ... ..                      | 2         | 5         | 7      |
| Corrosion, external ... ..                      | ...       | 1         | 1      |
| Fire-box, vertical boiler, thin ... ..          | 1         | ...       | 1      |
| Furnaces (Lancashire), corroded ... ..          | ...       | 4         | 4      |
| Furnace (Cornish), corroded ... ..              | ...       | 1         | 1      |
| Furnaces (Lancashire), injured expansion ... .. | ...       | 2         | 2      |
| Gauges, pressure ... ..                         | 3         | ...       | 3      |
| Gauges, water- and test-cocks ... ..            | ...       | 10        | 10     |
| Laminated plates, furnace ... ..                | 1         | ...       | 1      |
| Laminated externally over fire ... ..           | 1         | ...       | 1      |
| Manholes strengthened ... ..                    | ...       | 2         | 2      |
| Mud-holes repaired ... ..                       | ...       | 3         | 3      |
| Portable, barrel thin ... ..                    | 1         | ...       | 1      |
| Scale, accumulation of ... ..                   | 2         | ...       | 2      |
| Screwed stays corroded ... ..                   | 1         | ...       | 1      |
| Safety-valve out of order ... ..                | 1         | ...       | 1      |
| Tube-plate cracked ... ..                       | 1         | ...       | 1      |
| Tubes down through corrosion ... ..             | 2         | ...       | 2      |

RETURN of NOTICES given to REPAIR BOILERS in the OTAGO DISTRICT during the Financial Year ended the 31st March, 1888.

| Date of Notice. | Description of Boiler.     | Nature of Repairs ordered.   |
|-----------------|----------------------------|--|
| 1887.           |                            |  |
| July 2 ...      | Longitudinal tubular       | Test-cocks to be put on boiler as instructed.  |
| July 2 ...      | Longitudinal tubular       | Three water-gauges and test-cocks to be fitted on each boiler.   |
| July 12 ...     | Cornish tubular ...        | Blow-off cock to be removed and plate patched.   |
| July 30 ...     | Steam-digester ...         | Bolts to be fitted through the stays and angle-irons at top.   |
| Aug. 1 ...      | Longitudinal tubular       | Laminated plate over fire; piece to be cut out and patch rivetted on about 15in. square.   |
| Aug. 13 ...     | Cornish ... ..             | Bridge of angle-iron, 3in. x 3in. x $\frac{3}{8}$ in., properly fitted and rivetted, to support crown of furnace.  |
| Aug. 15 ...     | Longitudinal tubular (two) | To be immediately and thoroughly scaled in shells over fire.   |
| Aug. 16 ...     | Traction road-roller       | Five tubes to be taken out for examination and replaced.   |
| Aug. 17 ...     | Longitudinal tubular       | Full set of water-gauge mountings and test-cocks to be fitted.   |
| Aug. 20 ...     | Return tubular ...         | New crown to be put in furnace.  |
| Nov. 11 ...     | Steam-digester ...         | To have two stays fitted, of 1 $\frac{1}{2}$ in. diameter, properly secured by nuts with large washers; also safety-valve, of 2in. diameter, loaded to 30lb.; also steam-pressure gauge. |
| Nov. 12 ...     | Vertical ... ..            | New pressure-gauge and mudholes repaired at bottom by bolted patches as directed.  |
|                 | Semi-portable ...          | New pressure-gauge and spring-balance to be fitted on, and gauge test-cocks all done up.   |
| Nov. 17 ...     | Vertical ... ..            | Mudholes to be repaired by bolted patches as directed.   |
| 1888.           |                            |  |
| Feb. 23 ...     | Portable ... ..            | Patch of 4ft. x 2ft. to be fitted on barrel and fixed as directed.   |
| Mar. 12 ...     | Steam-digester (two)       | Four new stays in each, of 2in. diameter, secured with nuts, with washer outside of 2in. thick and 12in. diameter.   |

RETURN of NOTICES given to REMOVE DANGEROUS PARTS of MACHINERY in the OTAGO DISTRICT during the Financial Year ended the 31st March, 1888.

| Date of Notice. | Description of Machinery. | Nature of Machinery to be removed.                      |
|-----------------|---------------------------|---|
| 1887.           |                           |   |
| Aug. 9 ...      | Hydraulic lift ...        | Chain to be removed and replaced by a new proof-chain.  |
| Aug. 10 ...     | Hydraulic lift ...        | Chain to be removed and replaced by a new proof-chain.  |
| Aug. 18 ...     | Hydraulic lift ...        | Chain to be removed and replaced by a new proof-chain.  |
| Oct. 19 ...     | Saw-mill ... ..           | Top twin-saw to be removed and replaced by a sound saw. |