

RETURN of DEFECTS found on the INSPECTION of BOILERS and FITTINGS in the Otago District during the Financial Year ended the 31st March, 1884.

| Description.                                                                                                                                                    | Dangerous. | Ordinary. | Total. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|--------|
| 1883 : May 8.—One multitubular boiler, loco make ; formerly used at the Green Island colliery for pumping and winding. Condemned                                | ...        | ...       | ...    |
| May 8.—Vertical field tubes : Slightly cracked in uptake and several rust holes ; and field-tubes gone                                                          | ...        | 1         | 1      |
| May 15.—Circular longitudinal tubular : Very dirty inside, endangering the shell (two stays to go in between crown of dome and shell) and seam leaking on crown | ...        | 1         | 1      |
| May 16.—Vertical field-tubes, field boiler : Ends of tubes burned off through sediment settling                                                                 | ...        | 1         | 1      |
| May 25.—Portable : Compensation-ring to go round man-hole. Waste through leakage                                                                                | ...        | 1         | 1      |
| June 15.—Vertical hoist : Uptake entirely gone. New uptake. Corrosion                                                                                           | ...        | 1         | 1      |
| June 25.—Cornish : Wasting inside. Corrosion                                                                                                                    | ...        | 1         | 1      |
| July 19.—Vertical : Slight laminated scale on uptake                                                                                                            | ...        | 1         | 1      |
| July 30.—Vertical : Slight waste internally. Corrosion                                                                                                          | ...        | 1         | 1      |
| August 4.—Return tubular : Laminated plate in crown of furnace                                                                                                  | ...        | 1         | 1      |
| August 10.—Steam digester : Angle-irons and crown considerably wasted through corrosion                                                                         | ...        | 1         | 1      |
| August 27.—Portable : Shell internally corroded. Will soon require to be replaced                                                                               | ...        | 1         | 1      |
| August 28.—Vertical : Fittings of pressure-gauge useless                                                                                                        | ...        | 1         | 1      |
| September 6.—Cornish : Plate wasted at blow-off. Corrosion                                                                                                      | ...        | 1         | 1      |
| September 24.—Cornish : Plates corroded a good deal where in contact with brickwork                                                                             | ...        | 1         | 1      |
| October 4.—Saw-mill tramway locomotive : Crown of firebox cracked through shortness of water. New crown                                                         | 1          | ...       | 1      |
| October 9.—Portable : Through-stays wasted, and plate round man-hole wasted                                                                                     | ...        | 1         | 1      |
| October 16.—Egg end : Fittings of water-gauge bad. New one                                                                                                      | ...        | 1         | 1      |
| October 16.—Drying cylinders : Safety-valve to be put on steam-pipe of drying cylinders                                                                         | ...        | 1         | 1      |
| November 5.—Lancashire : Several rivets corroded in No. 2 flue. To be renewed                                                                                   | ...        | 1         | 1      |
| November 9.—Fittings : Two stays to be put on steam-pipe to support stuffing-box                                                                                | ...        | 1         | 1      |
| November 23.—Circular longitudinal-tubular : Fittings of pressure-gauge done                                                                                    | ...        | 1         | 1      |
| 1884 : January 7.—Steam digester : Laminated plate on top, and angle-irons, considerably corroded                                                               | ...        | 1         | 1      |
| January 7.—Steam digester : Laminated plate on top, and angle-irons, considerably corroded                                                                      | ...        | 1         | 1      |
| January 12.—Vertical : Uptake corroded nearly through. Is now sheathed                                                                                          | ...        | 1         | 1      |
| February 5.—Vertical : Man-hole door done through corrosion. New door                                                                                           | ...        | 1         | 1      |
| February 12.—Cornish : Circular seam in tube sprung through overheating, and longitudinal seam partly depressed                                                 | 1          | ...       | 1      |
| March 10.—Longitudinal tubular : Tubes all gone through corrosion                                                                                               | ...        | 1         | 1      |
| March 10.—Longitudinal tubular : Tubes all gone through corrosion                                                                                               | ...        | 1         | 1      |
| March 10.—Cornish tubular : Tubes sprung through dirt                                                                                                           | ...        | 1         | 1      |
| March 19.—Portable : Tubes sprung through tear and wear                                                                                                         | ...        | 1         | 1      |
| March 28.—Portable : Considerably worn through tear and wear                                                                                                    | ...        | 1         | 1      |
| Totals                                                                                                                                                          | 2          | 29        | 31     |