

DEFECTIVE FITTINGS FOUND ON INSPECTION OF BOILERS, FOR WHICH NOTICE WAS GIVEN TO RENEW OR REPAIR DURING THE FINANCIAL YEAR ENDED THE 31ST MARCH, 1913.

|                                                               |                                                                  |
|---------------------------------------------------------------|------------------------------------------------------------------|
| 1 Bends of blow-off cocks defective : were renewed.           | 10 Mudhole-door studs bad : were renewed.                        |
| 2 Bends of main steam-pipe defective : were renewed.          | 1 New cylinders fitted to engine.                                |
| 9 Blow-off cocks bad : have been renewed.                     | 1 Pipe for feed-pump bad : was renewed.                          |
| 1 Blow-off cocks defective : were repaired.                   | 1 Reducing-valves fitted.                                        |
| 12 Blow-off pipes bad : have been renewed.                    | 19 Safety-valves bad : were renewed.                             |
| 4 Brake gear defective : has been put in order.               | 3 Safety-valves defective : were put in order.                   |
| 1 Crank-shaft of engine bent : was straightened.              | 5 Safety-valve springs bad : were renewed.                       |
| 1 Crank-shaft of engine broken : new one made.                | 4 Spring balances defective : new ones fitted.                   |
| 3 Feed check-valve chests and valves bad : have been renewed. | 2 Steam-pipes defective : were renewed.                          |
| 4 Feed check-valves defective : were renewed.                 | 42 Steam-pressure gauges defective : were renewed.               |
| 1 Feed-pump defective : put in order.                         | 5 Steering-gear of traction-engine defective : was put in order. |
| 14 Ferrules fitted under spring-balance safety-valve levers.  | 1 Steering-gear worms defective : were renewed.                  |
| 1 Fly-wheel bracket defective : was repaired.                 | 1 Steering-gear worm-wheel defective : was renewed.              |
| 1 Fly-wheel of engine defective : was repaired.               | 3 Stop-valves defective : have been renewed.                     |
| 21 Fusible plugs defective : were renewed.                    | 4 Tapered mud-plugs defective : new ones fitted.                 |
| 38 Guards fitted to water-gauge glasses.                      | 10 Test-cocks bad : have been renewed.                           |
| 2 Injectors defective : were renewed.                         | 1 Test-cocks defective : were repaired.                          |
| 1 Injector steam-pipes defective : were renewed.              | 1 Valve-chest for feed-pump cracked : new one fitted.            |
| 1 Main steam-pipe bad : was renewed.                          | 20 Water-gauge mountings bad : were renewed.                     |
| 2 Main stop-valves defective : were renewed.                  | 9 Water-gauge mountings defective : put in order.                |
| 14 Manhole-doors bad : have been renewed.                     | 1 Water-gauge pipes bad : were renewed.                          |
| 3 Manhole-door dogs bad : were renewed.                       |                                                                  |
| 8 Manhole-door studs bad : were renewed.                      |                                                                  |
| 46 Mudhole-doors bad : have been renewed.                     |                                                                  |
| Total .. ..                                                   | 335                                                              |

NO. 3.—RETURN OF NOTICES GIVEN TO REPAIR BOILERS DURING THE FINANCIAL YEAR ENDED THE 31ST MARCH, 1913.

| Number. | Type.              | Description of Repairs.                                                                                             |
|---------|--------------------|---------------------------------------------------------------------------------------------------------------------|
| 1       | Cornish .. ..      | End of furnace repaired.                                                                                            |
| 2       | " .. ..            | Expansion-rings repaired.                                                                                           |
| 1       | " .. ..            | Furnace repaired.                                                                                                   |
| 2       | " .. ..            | Patch riveted over crown of furnace.                                                                                |
| 1       | " .. ..            | Several rivets renewed in furnace.                                                                                  |
| 1       | " .. ..            | Stays fitted between crown of boiler and furnace.                                                                   |
| 1       | Cornish tubular .. | Gusset-stays repaired.                                                                                              |
| 1       | " .. ..            | Patch fitted on shell under blow-off cock.                                                                          |
| 1       | " .. ..            | Retubed.                                                                                                            |
| 1       | " .. ..            | Two circumferential landings caulked.                                                                               |
| 1       | Dryback marine ..  | Compensating-ring fitted under blow-off cock.                                                                       |
| 1       | " .. ..            | Patch fitted on furnace-crown.                                                                                      |
| 1       | " .. ..            | Retubed.                                                                                                            |
| 1       | " .. ..            | Thirty new tubes and patch on back tube-plate.                                                                      |
| 1       | Lancashire .. ..   | A number of rivets renewed in shell, and landings caulked.                                                          |
| 1       | " .. ..            | Several rivets renewed in furnace.                                                                                  |
| 1       | " .. ..            | Strengthening-rings fitted and riveted to furnace.                                                                  |
| 1       | " .. ..            | Two gusset-stays re-riveted.                                                                                        |
| 1       | Lancashire tubular | A number of rivets renewed in furnaces.                                                                             |
| 1       | " .. ..            | Retubed.                                                                                                            |
| 1       | " .. ..            | Three new rivets fitted in gusset-stay.                                                                             |
| 1       | " .. ..            | Two stay-nuts renewed.                                                                                              |
| 1       | Locomotive .. ..   | Compensating-ring fitted to manhole-opening.                                                                        |
| 2       | " .. ..            | Compensating-ring fitted to mudhole-opening                                                                         |
| 1       | " .. ..            | Eleven new tubes fitted.                                                                                            |
| 1       | " .. ..            | Four longitudinal stays fitted in tube-space.                                                                       |
| 1       | " .. ..            | Fourteen new screwed stays fitted in firebox, and a patch fitted under fire-door.                                   |
| 1       | " .. ..            | New studs fitted in manhole-door.                                                                                   |
| 1       | " .. ..            | Patch in firebox renewed, twenty-six new screwed stays fitted in firebox, and compensating-ring on mudhole-opening. |