

RETURNS.

No. 1.

(a.) RETURN showing NUMBER of LAND BOILERS and MACHINERY INSPECTED for which CERTIFICATES are issued, for the Financial Year ended 31st March, 1902.

Boilers—

Stationary—Five-horse power and under, 981; 10-horse power and over 5-horse power, 595; over 10-horse power, 1,194; digesters, 223: total, 2,993.

Portable—Five-horse power and under, 143; 10-horse power and over 5-horse power, 1,049; over 10-horse power, 194: total, 1,386.

Machinery—

Hydraulic lifts, 127; gas lifts, 17; gas and water lifts, 8; oil lifts, 4; electric lifts, 7; steam and water lifts, 3; gas and hydraulic hoists and electric motors, 67; water engines, water motors, and water wheels, 118; Peltons, 56; turbines, 53; gas engines, 461; oil engines, 72; steam machinery, 31: total, 1,024.

Grand total, 5,403.

(b.) RETURN showing FEES PAYABLE for the INSPECTION of BOILERS and MACHINERY and for the ISSUE of ENGINE-DRIVERS' CERTIFICATES during the Financial Year ended 31st March, 1902.

Fees payable.—On boilers, £4,906 10s.; on machinery, £141 17s. 6d.; for engine-drivers' certificates issued, £543 5s.: total, £5,591 12s. 6d. Government boilers and lifts inspected, but not charged for, represent the further sum of £20.

(c.) RETURN showing NUMBER of SERVICE and COMPETENCY CERTIFICATES ISSUED to WINDING-, TRACTION-, and LOCOMOTIVE-ENGINE DRIVERS, and to STEAM-STATIONARY-ENGINE DRIVERS, during the Financial Year ended 31st March, 1902.

Steam winding: Service 1, fees 2s. 6d.; competency 27, fees £13 10s.: total fees, £13 12s. 6d.

Traction and locomotive: Service 14, fees £1 15s.; competency 152, fees £76: total fees £77 15s.

Steam stationary: Service—First class 685, fees £85 12s. 6d.; second class 386, fees £48 5s.: total service, 1,071; total fees, £133 17s. 6d. Competency—Extra first class, fees £6; first class, fees £119; second class 386, fees £193: total competency, 511; total fees, £318.

Summary of certificates issued: Service—Steam winding, 1; traction and locomotive, 14; stationary, 1,071: total service, 1,086; total fees, £135 15s. Competency—Steam winding, 27; traction and locomotive, 152; stationary, 511: total competency, 690; total fees, £407 10s.

Totals: Steam winding certificates, 28; fees, £13 12s. 6d. Traction and locomotive certificates, 166; fees, £77 15s. Stationary certificates, 1,582; fees, £451 17s. 6d. Total certificates, 1,776; total fees, £543 5s.

The cash actually received and paid into the Public Account for drivers' fees amounts to £599 13s. 6d. for the financial year ended 31st March, 1902. This includes fees for certificates not yet issued.

No. 2.—RETURN of DEFECTS found on INSPECTION of BOILERS during the Financial Year ended 31st March, 1902.

Four hundred and seven defects were found out, forty-eight of which were dangerous. Sixty-eight defective fittings were found on inspection, of which two were dangerous.

No. 3.—RETURN of NOTICES given to REPAIR BOILERS during the Financial Year ended 31st March, 1902.

Three hundred and ninety-three notices were given to repair boilers, and include boilers of the following types: Cornish, Lancashire, marine, portable, multitubular, semiportable, semitubular, traction, vertical flue, and water-tube.

No. 4.—RETURN of NOTICES given to FENCE DANGEROUS PARTS of MACHINERY, &c., during the Financial Year ended 31st March, 1902.

One hundred and forty-six notices were given to fence dangerous parts of machinery, and included fly-wheels, gearing, spindles, emery-wheels, driving-belts, ends of shafts, scutchers, and pulleys.

Examples of Notices given.

To protect main driving-belt, three lengths of shaft, and fly-wheel, and vacuum pump. (At Pelton water-wheel of crushing plant at gold-mine.)

To fence belting. (Seed-cleaning gas-engine.)

To fence winding-engine and main driving-belt, first counter-shaft and pulleys, also platform from which shafting is reached, shafting in battery-room and opening in floor of same, also shafting and fans in fan-room. (At machinery of freezing-works.)

To fence fly-wheel of the engine, the pulleys and gearing of the washing-machine, the gearing that projects into passage, also the pulleys and gearing of the mangle. (Machinery in a hospital.)