

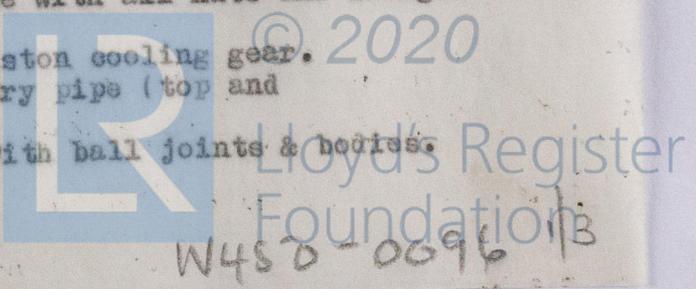
"ROTHESAY CASTLE"

NO. 944.

LIST OF SPARE PARTS.

MAIN ENGINES.

- 1 Pair connecting rod lower end bolts and nuts.
- 1 Pair connecting rod lower end bushes.
- 2 Pairs connecting rod upper end bolts and nuts.
- 1 Pair layshaft crankpin bushes
- 2 Pairs connecting rod upper end bushes.
- 1 Set bolts for layshaft crankpin bushes.
- 4 Main bearing bolts and nuts of each size (i.e. main crank and layshaft).
- 1 Pair main bearing bushes of each size (i.e. main Crank and layshaft)
- 1 Main piston, complete with rod and sleeve (no rings fitted).
- 3 Sets main piston rings (including scraper rings)
- 1 Cylinder, complete with top and bottom covers liner, water jacket, bolts, studs and nuts, but without valves (1 for 2 ships, not to be carried on board).
- 1 Set of studs and nuts for holding down cylinder cover valves.
- 1 Set of studs and nuts for valve stuffing boxes.
- 1 Exhaust piston valve complete for top cylinder, but with no rings fitted.
- 3 Sets of rings for one top exhaust piston valve
- 1 Exhaust piston valve complete for bottom cylinder, but with no rings fitted.
- 3 Set of rings (inner and outer) for 1 bottom exhaust piston valve.
- 2 Starting valves with casings, springs, etc., complete with attachment screws (1 top and 1 bott.)
- 1 Starting valve spindle.
- 8 Fuel valves for top cover with casings, springs etc., complete.
- 8 Fuel valves for bottom cover with casings, springs etc., complete.
- 8 Fuel valve spindles.
- 8 " " Nozzles.
- 8 " " Spindle cases.
- 1 Set of rotor wheels for scavenge air blower.
- 2 Cylinder relief valves complete (1 top and 1 Bott)
- 1 Set safety caps for one engine.
- 10 Chain links of each size fitted, for readily repairing chains.
- 1 Complete set of springs for one engine.
- 4 Additional springs for fuel valves.
- 4 " " " " pump.
- 4 " " " " starting valves (of each size)
- 3 Lbs. $\frac{1}{4}$ " Palmetto packing.
- 2 Lbs. asbestos cord.
- 2 Sheets of $\frac{1}{32}$ ", $\frac{1}{16}$ " thick permanite jointing-4'0"x4'0"
- 2 Sheets of $\frac{1}{8}$ " asbestos millboard 4'0"x 4'0"
- 1 Set of inlet pipes and fittings for piston cooling gear, complete with all nuts and flanges etc., fitted.
- 1 Set wearing parts for piston cooling gear.
- 2 Lengths fuel pump delivery pipe (top and bottom)
- 3 Fuel oil pump plungers with ball joints & bodies.



MAIN ENGINES: (CONTD.)

- 1 Fuel oil pump complete for one cylinder.
- 1 Complete set of working parts for one fuel pump plunger.
- 2 Fuel pump cam rollers.
- 1 Set rubber rings for one main engine, but not more than 100 of each size.
- 1 Lubricator pump unit complete.
- 1 Set sight delivery glasses for lubricator
- 1 Doz. ball valves " "
- 1 Doz. Springs " "
- 2 Guide wires " "
- 4 Jointing Rings " "
- 12 Springs " "
- 2 Ratchet pawls " "
- 1 Sight glass " "
- 1 Set pyrometer stems for one engine.

AUXILIARY ENGINES.

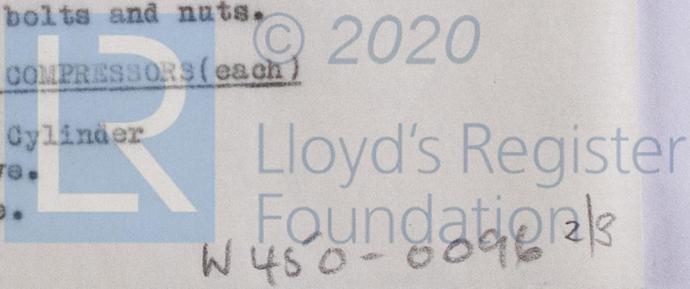
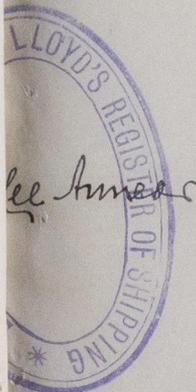
- 1 Cylinder cover, complete with cylinder liner water jacket, studs and nuts but without valves.
- 1 Piston complete with gudgeon pin, but without rings.
- 1 Gudgeon pin bush
- 1 Pair connecting rod lower end bushes.
- 1 Pair connecting rod lower end bolts.
- 1 Main bearing bush (top and bottom halves)
- 4 Main bearing studs and nuts.
- 4 Complete sets piston rings for one engine.
- 4 Fuel valves with casings complete.
- 4 " valve Spindles.
- 4 " " body nozzles
- 4 " " Spindle cases
- 3 Exhaust valves with casings complete
- 3 Exhaust valve spindles.
- 1 Inlet valve with casing complete.
- 2 Starting valves with casings, complete.
- 1 Cylinder safety valve complete
- 1 Complete set of springs for one engine.
- 2 Governor springs
- 6 Additional exhaust valve springs
- 3 Fuel pump plungers and sleeves.
- 6 N.R. valves fuel pump delivery.
- 1 Complete set of working parts for one fuel pump plunger.
- 10 Chain links of each size fitted for readily repairing chain.
- 1 Set of rubber rings for one auxiliary engine, but not more than 50 of each size.
- 2 H.&.W. filter cartridges for lubricating pump.

SHAFTING AND PROPELLER.

- 1 Propeller shaft.
- 1 set tunnel shaft coupling bolts and nuts.
- 1 Propeller, cast iron.
- 1 Set crankshaft coupling bolts and nuts.

STARTING AIR AND EMERGENCY AIR COMPRESSORS (each)

- 1 Delivery valve for L.P. Cylinder
- 1 Spring for delivery valve.
- 1 Guide for delivery valve.



STARTING AIR AND EMERGENCY AIR COMPRESSORS (each) Contd.

- 1 Valve for H.P. cylinder cover.
- 1 Spring for valve.

BOILER.

- 1 Spring for safety valve.
- 1 Valve for feed check valve
- 6 Water gauge glasses and 24 packing rings.
- 6 Manhole or handhole joints.

OIL FUEL INSTALLATION FOR BOILER.

- 1 Complete burner.
- 1 Lighting-up torch.
- 1 Set firebrick quarls

BOILER FEED PUMPS.

- 1 Set suction valves.
- 1 " Set delivery valves.
- 1 " Steam rings
- 1 " water rings
- 1 Steam chest complete
- 1 Piston rod and bucket rod, complete with
Crosshead.

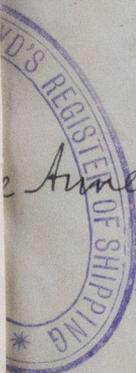
OIL PURIFIERS.

Usual spares supplied by makers.

IMPELLER AND SPINDLE

One to be supplied for each of the following pumps:-

- Bilge Pump.
- Main fresh water circulating pump.
- Sanitary pump.
- Ballast pump.
- Fresh water pump.



Amelia

