

Twp. Se. 4 Mt. "CERAMIC".

Alterations & Repairs.

Port & Starboard propellers renewed complete, brass in cast iron with 3 blades in manganese bronze "SCIMITAR" type. Mark :- LLOYD'S NO 31528.

• New 2-stage feed water heater fitted, taking steam from IP receiver, with all necessary new & altered piping. tested in shop before fitting.

Two air pumps converted from "Dual" to "Paragon" type by makers, vacuum augmenters fitted.

Two condensers altered from 2 flow to 3 flow regenerative type. tested on completion of work.

Two circulating pumps fitted with balance weights, eccentrics altered & engines speeded up to give flow of 6,150 gallons/min. each pump.

Port, Centre & Starboard stern bushes renewed at fore & after ends.

Port & Starboard HP. piston valve chambers bored, Lockwood & Carlisle rings fitted.

"Lambertland" system removed from boilers. Zinc plates with necessary studs fitted.

Throughout the boilers :-

About 60 screwed stays renewed, 65 stay tubes renewed, 410 plain tubes renewed, numerous C.C. stay nuts renewed.

Internal feed pipes renewed & end plates built up by S.W. in way where corroded.

Combustion chamber internal stool rivets through shell renewed where corroded or broken.

Corrosion at furnace sides cut out & built up by S.W. where necessary.

Boiler stools & chocks reinforced or part renewed where necessary.

18 safety valve spring locating washers renewed.

Forward boiler port, main check valve chest renewed.

After centre boiler, circulating valve chest renewed.

All mountings overhauled & parts renewed as found necessary.

W. D. Smith

Electrical equipment examined under working conditions: Generators, motors, cables, fittings on main & auxiliary switchboards & fuse boards & boxes examined. All found or put in good order.

Repair & additions.

Main generator removed to works for overhaul, Circuit breaker overhauled & repaired. New speed regulator fitted for each generator. All wiring in way of structural alterations removed & new wiring fitted in new accommodation & public rooms etc to Rule requirements. Remainders of electrical equipment, overhauled, repaired, or renewed as found necessary. On completion the whole installation was tested under full working conditions and found satisfactory.