





"STANROYAL" (1)

Superheaters, and Safety valves adjusted under steam to 206 lbs/sq. in.

Steam pipes all removed, normalised, and hydraulically tested to 450 lbs/sq. in.,

afterwards examined internally & found satisfactory. Valves & Strainers

of pumping arrangements opened out & examined: Steering engine and

Windlass: On completion of repairs, the main & Auxiliary machinery,

Steering engine & Windlass examined under working conditions both

alongside quay and at sea and found satisfactory.

Oil Fuel Installation:-

The vessel has at this time been fitted for oil fuel burning in accordance with Approved Plans and Secretary's letters. The control of the oil fuel

unit, Transfer pump, & Steam smothering installation in accordance with

Rule requirements, and the Oil Fuel suction & pressure lines, and steam

heating coils hyd. tested after jointing as required by the Rules.

Steam smothering system installed and tested on completion with

satisfactory results. Tunnel damper secured in "open" position as

required by the Rules for vessels fitted for burning oil or coal.

Repairs now effected:-

Y.S. renewed with spare (previously used); stem bush renewed;

HP & I.P. cylinders rebored ( $34\frac{5}{8}$ " &  $53\frac{1}{16}$ " respectively) HP piston modified & fitted

with Lockwood & Carlisle type ring: barrier ring fitted to IP piston with

Ramsbottom type rings: HP & IP valve liners rebored & rings renewed: LP

slide valve face machined, and chest false face renewed: All piston rods

& valve spindles dressed & patent packing reconditioned: All main

bearings remounted and crankshaft rebored & aligned: Bottom end

bearings remounted, bedded & adjusted: Driving half of oil clutch

for L.P. Exhaust turbine renewed: Main Condenser retubed, and all inlet

flanges renewed at both ends, & water box division plate renewed:

Attached pumps suction & delivery valves overhauled: For'd & Aft Feed

pump water end liners renewed, buckets machined & piston & bucket rings

renewed. Aft pump bucket rod machined & neck & gland bushes renewed,

Suction & delivery valves & shuttle valve chest reconditioned:

Harbour feed pump piston & bucket rods machined & neck & gland bushes

renewed, suction & delivery valves & shuttle valve chest reconditioned:

Feed pipes annealed & hyd. tested to  $2\frac{1}{2}$  w.p. & found satisfactory:

Ballast Pump cylinder & chamber rebored & piston & bucket rings renewed,

suction & delivery valves reconditioned: Circulating pump cylinder &

valve chest rebored, piston rings and piston valve renewed, main bearings

remounted & journals dressed, Impeller shaft renewed & Impeller machined

in way of sealing rings & sealing rings renewed: Air pump water

end liner & bucket rings renewed, Piston rod renewed & Bucket rod

machined & neck & gland bushes renewed, For'd, Head, & Bucket valves

reconditioned & Shuttle chest & middle gear overhauled:

A few tubes renewed in the main boilers, and a number expanded and

bedded, and combustion chamber seams caulked where leakage

evident: Centre box of air heater tubes renewed in each boiler:

Approximately 40% of combustion chamber back & wrapper plate stays

0250 <sup>2</sup>/<sub>3</sub>



"STANROYAL" (2).

and all combustion chamber top dog stays renewed: Boilers examined under hydraulic test of 210 lbs/sq" on completion of repairs and found tight: Superheater Headers & Elements removed and reconditioned by N.E. Marine Eng Co., Wallsend: Water gauges <sup>double</sup> shut off valves removed and replaced with cocks as per Rule requirements: "Y" piece originally fitted to take main & auxiliary feed checks now dispensed with and the feed checks refitted to the boilers with separate entries from the main & auxiliary lines: All mountings overhauled & reconditioned: Windlass bearings adjusted, intermediate shaft bearing keep studs renewed & piston rings renewed: Steering engine piston valve chambers rebored & piston valves renewed, slight ridges buffed off cylinders, and bearings dressed & adjusted: Other minor repairs effected as recommended

*AB*  
SURVEYOR TO LLOYD'S REGISTER  
NEWCASTLE-ON-TYNE

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