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INES, &c.—Description of Engines *Triple Expansion with B.W. Surtinis* Revs. per minute *130.* ✓
of Cylinders *20' 3 1/2" 53'* ✓ Length of Stroke *36"* No. of Cylinders *3 each Eng.* ✓ No. of Cranks *3 each Eng.* ✓
k shaft, dia. of journals as per Rule *10.98* ✓ Crank pin dia. *12"* ✓ Crank webs Mid. length breadth *18 1/2"* ✓ Thickness parallel to axis *7 1/2"* ✓
as fitted *11 1/2"* ✓ Mid. length thickness *1 1/8"* ✓ shrunk Thickness around eye-hole *5 3/8"* ✓
mediate Shafts, diameter as per Rule *10.46"* ✓ Thrust shaft, diameter at collars as per Rule *10.98"* ✓
as fitted *11.0"* ✓ as fitted *11 1/2"* ✓
Shafts, diameter as per Rule *11.62"* ✓ Is the { tube } shaft fitted with a continuous liner { *4/16"* ✓
as fitted *12 1/2"* ✓ { screw }
ize Liners, thickness in way of bushes as per Rule *.65"* ✓ Thickness between bushes as per Rule *.48"* ✓ Is the after end of the liner made watertight in the
as fitted *13"* ✓ as fitted *3/16"* ✓
ller boss *4/16"* ✓ If the liner is in more than one length are the junctions made by fusion through the whole thickness of the liner ✓
e liner does not fit tightly at the part between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive. ✓
o liners are fitted, is the shaft lapped or protected between the liners. ✓ Is an approved Oil Gland or other appliance fitted at the after end of the tube
No. ✓ If so, state type *4 1/2" x 1 1/2"* ✓ Length of Bearing in Stern Bush next to and supporting propeller *5'-0"* ✓
peller, dia. *13'-0"* ✓ Pitch *14'-3"* No. of Blades *3* ✓ Material *bronze* ✓ Whether Moveable *4/16"* ✓ Total Developed Surface *51'-6"* sq. feet ✓
l Pumps worked from the Main Engines, No. *2* ✓ Diameter *14 1/2"* ✓ Stroke *15"* ✓ Can one be overhauled while the other is at work *4/16"* ✓
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d { No. and size *2 20 9x12x14: 1 20 4x6x12"* ✓ Pumps connected to the { No. and size *3 20 9x8x18 + 1 Emergency 2 45 tons/hr.* ✓
ps { How driven *Steam* ✓ Main Bilge Line { How driven *Steam* ✓ *9 lbs motor* ✓
ast Pumps, No. and size *1 20 9x8x18"* ✓ Lubricating Oil Pumps, including Spare Pump, No. and size *3 20 8x7x18"* ✓
two independent means arranged for circulating water through the Oil Cooler *4/16"* ✓ Suctions, connected to both Main Bilge Pumps and Auxiliary
e Pumps;—In Engine and Boiler Room *4 20 2 1/2": 2 20 3 1/2": 6 1/2" 1 20 2": 2 20 3 1/2" duct to ME pumps: 1 20 2 1/2"* ✓
ump Room *No. 1-2 20 3": 2 20 3": 2 20 2": No. 2-2 20 3": 4 1/2" 2 1/2"* ✓
No. 1-2 20 2 1/2": No. 3 1 20 3": 1 20 2": No. 4-2 20 2 1/2": 1 20 2": ✓

n Water Circulating Pump Direct Bilge Suctions, No. and size *2 D 11* **Independent Power Pump Direct Suctions to the Engine Room Bilges,**
and size *2 D 4 1/2* Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes *Yps.*
the Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges. *Yps.*
all **Sea Connections** fitted direct on the skin of the ship *part on outside* Are they fitted with Valves or Cocks *Both.*
they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates *Yps.* Are the Overboard Discharges above or below the deep water line. *Both.*
they each fitted with a Discharge Valve always accessible on the plating of the vessel. *Yps.* Are the Blow Off Cocks fitted with a spigot and brass covering plate. *Yps.*
at Pipes pass through the bunkers. *Towards hold Suctions* How are they protected *heavy wood casing.*
at pipes pass through the deep tanks Have they been tested as per Rule.
all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times *Yps.*
the arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one
compartment to another *Yps.* Is the Shaft Tunnel watertight *See hold appt.* Is it fitted with a watertight door *Yps.* worked from *upper decks*

IN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 131447
Forced Draft fitted y/s No. and Description of Boilers 4 Single Ended return Tube Working Pressure 220 lbs
A REPORT ON MAIN BOILERS NOW FORWARDED? y/s
A DONKEY BOILER FITTED? No. If so, is a report now forwarded? ✓
The donkey boiler intended to be used for domestic purposes only ✓

LA.NS. Are approved plans forwarded herewith for Shafting 13-11-36 Main Boilers y/s. Auxiliary Boilers — Donkey Boilers —
(If not state date of approval)
Superheaters — General Pumping Arrangements y/s. Oil fuel Burning Piping Arrangements —

SPARE GEAR.

Is the spare gear required by the Rules been supplied *Yes*.....

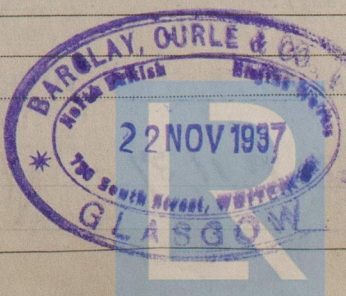
to the principal additional spare gear supplied.....

See List Attached.

The foregoing is a correct description,
FOR BARCLAY, CURLE & Co., LTD

Alexander Macmillan
Chief Draughtsman

Manufacturer.



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