

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

Machinery Particulars

Required for Records, Register Book, Classification Certificate, &c.

of the single, triple, Screw Steamer.
twin, quadruple

Shipbuilders Furness Shipbuilding Co., Ltd.

Yard No. 364

Enginebuilders Richardson, Westgarth & Co., Ltd.

Works No. 2757

Boilermakers (Main)

Works No.

„ (Donkey)

Works No.

Description of

Propelling Machinery

Two Cylinder Turbine Engine Comprising H.P. Ahead Exhausting
To L.P. Ahead Turbine - Astern Turbine Incorporated in L.P.
Casing & both exhausting to Surface Condenser. Turbines are
Coupled to Double Reduction Gearing.

Boilers: Main No.

SE
DE

Cylindrical Multitubular : No.

Water Tube. Type

W.P.

Int. diameter

length

Heating Surface each

Grate Surface each

Fuel : Coal, Oil, Coal and Oil.

Draught : Natural, Closed Ashpit, Closed Stokehold, Induced.

Are Superheaters fitted?

Safety valves type

Diar.

Rule diar.

Boilers: Aux.
Donkey

No.

Type

W.P.

Int. diameter

length
height

Heating Surface each

Grate Surface each

Safety valves type

Diar.

Rule diar.

Fuel

Draught

Main Steam Pipes: Material

welded, brazed, seamless

Steam Engines: No. of sets

Cylinder diars.

Stroke

IHP each

at

RPM.

Total capacity LP cylinder (each engine)

Turbines: No. of sets One

HP

LP

Turbines on each shaft :

H.P.

& L.P.

Ahead

L.P.

Astern

SHP each 6800

at

116

RPM.

Astern SHP 3536

Type

Parsons

(H.P. 5.432

Impulse reaction

Gearing: Single
Double

reduction

Double Helical

Speed reduction ratio

1st (L.P. 3.918 2nd 6.3

Oil Engines: No. of sets

of

Cylr.

4 cycle

single

double

acting

clutch

direct

reversing.

Type

Cyl. diars.

Stroke

Bearing span

Total capacity cylrs. (each engine)

BHP each

at

RPM.

Mean Indicated pressure

Max. firing pressure

Flywheel : Weight

tons, Diameter

ft.

Balance Weights : Total weight at radius of gyration

tons at

ft.

Starting air reservoirs : No.

riveted,
seamless,
welded,

Internal diar.

W.P.

capacity each

cub. ft.

Electric Propulsion: No.

AC

generators

volts

amps

kW each at

RPM

No.

AC

motors

volts

amps

BHP each at

RPM

Shafting: diars. crank
motor

thrust

intermediate

propeller

Rule diameters

„

„

„

Propeller: diar.

pitch

surface

RPM

Propeller shaft liner

continuous
oil lubricated

Date of Trial Trip

IHP
SHP

RPM

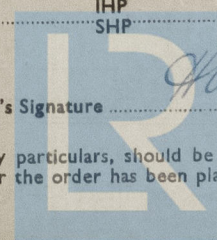
Knots

Class : MBS

See flyleaf in Register

Surveyor's Signature

NOTE.—This form, completed in respect of preliminary particulars, should be forwarded to the Head Office as soon as possible after the order has been placed.



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004710-004717-0099

Particulars of Auxiliary Machinery Ordered by Enginebuilders.

MAKERS		No., DESCRIPTION, SIZE, &c.
Superheater - -		
OF Burning Plant - -		
Evaporator - -		
Feed Heater - -		
„ Filter - -		
Air Compressors - -		
„ Reservoirs - -		
Dynamo - -		No.volts.....amps.....Total kW.....
„ Engine - -		
Electric Auxiliaries - -		

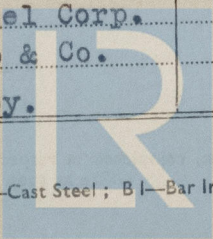
Particulars of Materials—Plates, Pipes, Forgings, and Castings.

Boilers and Air Reservoirs	MAIN	AUX. OR DONKEY
Makers of Plates (Shell) - -		
„ „ (Flanging) - -		
„ „ (Furnace) - -		
„ Stay Bars - -		
„ Rivets - -		
„ Tubes - -		
„ Furnaces - -		

Engine Forgings and Castings, &c.	No.	MATERIAL *	MADE BY	FINISHED BY
Crank Shaft Body Pieces - -				
„ „ Pins - -				
„ „ Webs - -				
Piston Rods - -				
Connecting Rods - -				
Crossheads - -				
Turbine Spindles - -	2	35/40 Stl.	English Steel Corp.	Richardson Westgarth.
„ Discs or Drums - -	2	Solid. 3 1/2"-5 1/2"	English Steel Corp.	Richardson, Westgarth.
„ Pinions - -	2	Ni.Stl.	English Steel Corp.	Richardson, Westgarth.
Reduction Gear Shafts - -	2	" 3 1/2"-38	W.J. Jessop & Co.	Richardson, Westgarth.
Main Gear Shafts - -	1	Ton Stl.	English Steel Corp.	Richardson, Westgarth.
„ Motor Shafts - -				
„ Generator Shafts - -				
Thrust Shafts - -			(Turbine pinions solid with shafts)	
Intermediate Shafts - -				
Propeller Shafts - -				
Steel Castings - -				
Aux. Eng. Crank Shafts - -				
Propeller - -				
Pipes, Main Steam, &c. - -				
Main Wheel Rims - -	2	31/35 Steel	English Steel Corp.	
Primary " " - -	2	31/35 Steel	W.J. Jessop & Co.	
Steam Pipes & expansion pieces - -		Weldless Steel	Aiton, Derby.	

* I—Scrap Iron ; S—Scrap Steel ; I S—Ingot Steel ; C S—Cast Steel ; B I—Bar Iron.

ITEMS WHICH ARE SUBJECT TO MATERIAL TESTS



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