

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

Machinery Particulars

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

the single, ~~triple~~,
~~twin, quadruple~~

"ASPHALION"

builders..... Yard No.....

rebuilders SCOTT'S SHIP BUILDING AND ENGINEERING CO. Works No.....

GREENOCK, SCOTLAND.

ermakers (Main) SCOTT'S S.B. AND ENG. CO., GREENOCK Works No.....

TO " (Donkey) --do-- Works No.....

59 Description of } BROWN CURTIS DOUBLE REDUCTION
58 } GEARED TURBINE
89 }
elling Machinery }

ers: Main No. 2 ~~XX~~ DE Cylindrical Multitubular : No. Water Tube. Type sq.in.
W.P. 220 lbs/

diameter 16 ft. 3 ins. length 19 ft. 0 ins. Heating Surface each (P. 5064 sq. ft.) Grate Surface each

4 : ~~Coal, Oil, Gas and Oil~~ Draught: ~~Normal~~ Forced. (S. 5064 sq. ft.) (North
Are Superheaters fitted? YES (Eastern
(Marine type

y valves type Diar. Rule diar.

ers: Aux. No. ONE Type MULTITUBULAR sq.in.
Donkey W.P. 220 lbs/

diameter 13'-4" length 9'-11.9/16" Heating Surface each 1581 sq. ft. Grate Surface each

y valves type Diar. Rule diar. Fuel Oil Draught

n Steam Pipes: Material Steel ~~stainless steel~~ seamless

um Engines: No. of sets Cylinder diars. Stroke

each at RPM. Total capacity LP cylinder (each engine)

bines: No. of sets ONE HP LP Turbines on each shaft one HP and LP HP & LP
60 Revs. Ahead H.P. and L.P. Astern /

each 4500 at 90 RPM. Astern SHP 2121 @/ Type BROWN CURTIS Impulse reaction

ring: ~~Double~~ reduction Speed reduction ratio 43.9 : 1 (overall)

Engines: No. of sets of Cylr. 4 cycle single acting clutch reversing. Type
double direct

diars. Stroke Bearing span Total capacity cylrs. (each engine)

each at RPM. Mean Indicated pressure Max. firing pressure

eel : Weight tons, Diameter ft. Balance Weights : Total weight at radius of gyration tons at ft.

ng air reservoirs : No. riveted, seamless, welded, Internal diar. W.P. capacity each cub. ft.

tric Propulsion: No. AC generators volts. amps. kW each at RPM

No. AC motors volts. amps. BHP each at RPM

ing: diars. crank thrust 15.25" intermediate 15.25" propeller 17"

diameters 15.47 14.72 16.3

eller: diar. 19'-0" pitch 16'-1 1/2" surface 108 sq. ft. RPM 90 Propeller shaft liner continuous
oil lubricated

f Trial Trip. IHP SHP RPM Knots

: MBS
at 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.

duplicate of those in Polydorus - for which set plans & calculations

002498-002505-0144

Particulars of Auxiliary Machinery Ordered by Enginebuilders.

	MAKERS	No., DESCRIPTION, SIZE, &c.
Superheater -	NORTH EASTERN MARINE	
OF Burning Plant -	CAIRD & RAYNER - WEIRS	TWO 25 Tons/Day
Evaporator -	G & J Weirs	ONE
Feed Heater -	HOCKING & CO.	TWO
„ Filter -		
Air Compressors -		
„ Reservoirs -	W. H. ALLEN	No. 2 volts 110 amps. Total
Dynamo -	W. H. ALLEN	TWO Compound D C
„ Engine -		TWO Enclosed F.L.
Electric Auxiliaries -	RECORD ENG. CO. & SUNDERLAND FORGE.	ONE Petrol Paraffin Compound D C

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

Boilers and Air Reservoirs	MAIN			AUX. OR DONKEY
Makers of Plates (Shell) -	SCOTTS	S.B.	& E. COMP.	
„ „ (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 -				
„ Discs or Drums -				
„ Pinions -				
Reduction Gear Shafts -				
Main Gear Shafts -				
„ Motor Shafts -				
„ Generator Shafts -				
Thrust Shafts -				
Intermediate Shafts -				
Propeller Shafts -				
Steel Castings -				
Aux. Eng. Crank Shafts -				
Propeller -				
Pipes, Main Steam, Air, &c. -				

ITEMS WHICH ARE SUBJECT TO MATERIAL TESTS

* I—Scrap Iron ; S—Scrap Steel ; IS—Ingot Steel ; CS—Cast Steel ; BI—Bar Iron.

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