

THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

Machinery Particulars

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

of the ~~single, triple,~~ twin, quadruple S.S. "FORT SIMCOE"

PRELIMINARY PARTICULARS

Shipbuilders..... Burrard Dry Dock Co. Limited, North Vancouver, B.C. Yard No. 197
Enginebuilders..... Messrs. John Inglis & Co. Ltd., Strachan Ave., Toronto, Ont. Works No. 285

Boilermakers (Main)..... Works No.....
" (Donkey)..... Works No.....

Description of Propelling Machinery } Three Cylinder Triple Expansion Reciprocating Steam Engine

BOILERS

Boilers: Main No. SE DE Cylindrical Multitubular: No. Water Tube. Type W.P.

Int. diameter..... Int. 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 No. Diar. Rule diar.

Boilers: Aux. Donkey No. Type W.P.

Int. diameter..... length height..... Heating Surface each..... Grate Surface each.....

Safety valves No. Diar. Rule diar. Fuel

Main Steam Pipes: Material welded, brazed, seamless

Steam Engines: No. of sets 1 Cylinder diars. 24 1/2" x 37" x 70" Stroke 48"

IHP each 2500 at 76 RPM. Total capacity LP cylinder (each engine) 106.9 cub. ft.

Turbines: No. of sets HP IP LP Turbines on each shaft: Ahead Astern

SHP each at RPM. Astern SHP Type Impulse reaction

Gearing: Single Double reduction Speed reduction ratio

Oil Engines: No. of sets of Cylr. 4 cycle single double acting clutch 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.

PROPELLING MACHINERY

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

No. AC DC motors volts amps BHP each at RPM

Shafting: diars. crank motor 14.25" thrust 14.25" intermediate propeller

Rule diameters " " " " " " " "

Propeller: diar. pitch surface RPM continuous Tailshaft liner non-continuous oil lubricated

Date of Trial Trip. IHP SHP RPM Knots

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.

011805-011812-0219

Particulars of Auxilliary Machinery Ordered by Enginebuilders.

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

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

ITEMS WHICH ARE SUBJECT TO MATERIAL TESTS

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 -	5	O.H. I.S.	Canada Foundries & Forgings Ltd.	John Inglis Co.Ltd. Toro
„ „ Pins - -	3	I.S.	„ „ „ „	„ „ „ „
„ „ Webs - -	6	C.S.	Wm. Kennedy & Sons Limited	„ „ „ „
Piston Rods - -	3	I.S.	Montreal Locomotive Works Ltd.	„ „ „ „
Connecting Rods - -	3	C.S.	Canadian Car & Foundry Co, Ltd.	„ „ „ „
Crossheads - -	3	I.S.	„ „ „ „	„ „ „ „
Turbine Spindles - -				
„ Discs or Drums -				
„ Pinions - -				
Reduction Gear Shafts -				
Main Gear Shafts - -				
„ Motor Shafts - -				
„ Generator Shafts -				
Thrust Shafts - -	1	I.S.	Canada Foundries & Forgings Ltd.	John Inglis Co.Ltd. Toro
Intermediate Shafts -				
Propeller Shafts - -				
Steel Castings - -				
Aux. Eng. Crank Shafts -				
Propeller - -				
Pipes, Main Steam, Air, &c. -				

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