

# THE BRITISH CORPORATION REGISTER OF SHIPPING AND AIRCRAFT

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ANSWERED

## Machinery Particulars Required for Records, Register Book, Classification Certificate, &c.

of the ~~single, triplex~~ ~~twin, quadruple~~ S.S. "CRYSTAL PARK"

Shipbuilders. Messrs. North Van Ship Repairs Limited, Vancouver, B.C. Yard No. 140

Enginebuilders. Messrs. John Inglis Co. Limited, Strachan Ave., Toronto, Ont. Works No. 290

Boilermakers (Main) Works No.

" (Donkey) Works No.

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

Boilers: Main No. SE 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. 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

IHP each at RPM. Astern SHP Type Impulse reaction

Gearing: Single reduction Speed reduction ratio

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)

IHP 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. 14.25" thrust 14.25" intermediate propeller

Shaft diameters. " " " " " "

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

Date of Trial Trip. IHP SHP RPM Knots

Surveyor's Signature H. W. Morris per Register

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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# Particulars of Auxiliary Machinery Ordered by Enginebuilders.

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

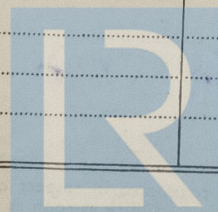
# Particulars of Materials—Plates, Pipes, Forgings, and Castings.

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

ITEMS WHICH ARE SUBJECT TO MATERIAL TESTS

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.	Toront			
„ „ Pins -	3	I.S.	„ „ „ „	„	„	„	„	„
„ „ Webs -	6	C.S.	Wm. Kennedy & Sons Limited	„	„	„	„	„
Piston Rods -	3	I.S.	Montreal Locomotive Works Ltd.	„	„	„	„	„
Connecting Rods -	3	I.S.	Canada Foundries & Forgings 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.	Toront			
Intermediate Shafts -								
Propeller Shafts -								
Steel Castings -								
Aux. Eng. Crank Shafts -								
Propeller -								
Pipes, Main Steam, Air, &c. -								

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



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