

Port of Glasgow Received at London Office 10th 22 MAY 1906  
 No. in Survey held at Glasgow Date, first Survey 11th Jan'y Last Survey 1st May 1906  
 Reg. Book. on the S.S. "WHEATEAR." (Number of Visits )  
 Tons } Gross  
 Net

Master Built at By whom built Ailsa S. B. Co. When built 1906

Engines made at Glasgow By whom made Muir & Houston Ltd. when made 1906

Boilers made at Glasgow By whom made do do when made 1906

Registered Horse Power Owners Port belonging to

Nom. Horse Power as per Section 28 84.89 Is Refrigerating Machinery fitted for cargo purposes No. Is Electric Light fitted Yes

ENGINES, &c.—Description of Engines Compound — Screw No. of Cylinders 2 No. of Cranks 2  
 Dia. of Cylinders 18" Length of Stroke 24" Revs. per minute 95 Dia. of Screw shaft 8.60" Material of iron  
 as fitted 8.34" screw shaft  
 Is the screw shaft fitted with a continuous liner the whole length of the stern tube none Is the after end of the liner made water tight  
 in the propeller boss yes If the liner is in more than one length are the joints burned ✓ If the 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 ✓ If two  
 liners are fitted, is the shaft lapped or protected between the liners ✓ Length of stern bush 2' 11"  
 Dia. of Tunnel shaft 7.59" Dia. of Crank shaft journals 7.94" Dia. of Crank pin 8.4" Size of Crank webs 5.4" Dia. of thrust shaft under  
 collars 8.4" Dia. of screw 9.6" Pitch of Screw 12' 6" No. of Blades 4 State whether moveable no Total surface 35 sq. ft  
 No. of Feed pumps 2 Diameter of ditto 2.5" Stroke 13.5" Can one be overhauled while the other is at work yes  
 No. of Bilge pumps 2 Diameter of ditto 3" Stroke 13.5" Can one be overhauled while the other is at work yes  
 No. of Donkey Engines 2 Sizes of Pumps 7" x 7" x 8" & 6" x 4.4" x 6" No. and size of Suctions connected to both Bilge and Donkey pumps  
 In Engine Room Two 2.4" dia. In Holds, &c. Two 2" dia.

No. of Bilge Injections 1 sizes 3" Connected to condenser, or to circulating pump pump Is a separate Donkey Suction fitted in Engine room & size yes 2.5"  
 Are all the bilge suction pipes fitted with roses yes Are the roses in Engine room always accessible yes Are the sluices on Engine room bulkheads always accessible none  
 Are all connections with the sea direct on the skin of the ship yes Are they Valves or Cocks both  
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates yes Are the Discharge Pipes above or below the deep water line above  
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel yes Are the Blow Off Cocks fitted with a spigot and brass covering plate yes  
 What pipes are carried through the bunkers none How are they protected ✓

Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times yes

Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges yes

Dates of examination of completion of fitting of Sea Connections before launch of Stern Tube do Screw shaft and Propeller do

Is the Screw Shaft Tunnel watertight none Is it fitted with a watertight dog ✓ worked from ✓

BOILERS, &c.—(Letter for record ( S ) Manufacturers of Steel Steel Co. of Scotland

Total Heating Surface of Boilers 1594 Is Forced Draft fitted no No. and Description of Boilers One single ended

Working Pressure 130 lbs Tested by hydraulic pressure to 260 lbs Date of test 20/3/06 No. of Certificate 8022

Can each boiler be worked separately ✓ Area of fire grate in each boiler 48.5 sq. ft No. and Description of Safety Valves to

each boiler 2 Patent springs Area of each valve 6.49" Pressure to which they are adjusted 135 lbs Are they fitted with easing gear yes

Smallest distance between boilers or uptakes and bunkers or woodwork 4' 6" Mean dia. of boilers 13' 0" Length 10' 6" Material of shell plates steel

Thickness 13/16" Range of tensile strength 28 to 32 Are the shell plates welded or flanged no Descrip. of riveting: cir. seams double

long. seams treble Diameter of rivet holes in long. seams 1.8" Pitch of rivets 7.5" Lap of plates or width of butt straps 14"

Per centages of strength of longitudinal joint rivets 96.7 Working pressure of shell by rules 130 lbs Size of manhole in shell 16" x 12"

Size of compensating ring McNeil's No. and Description of Furnaces in each boiler 3 plain Material steel Outside diameter 3' 4"

Length of plain part 6' 6" Thickness of plates 5" Description of longitudinal joint welded No. of strengthening rings 1 partial

Working pressure of furnace by the rules 134 lbs Combustion chamber plates: Material steel Thickness: Sides 9/16" Back 9/16" Top 9/16" Bottom 5/8"

Pitch of stays to ditto: Sides 8.34" x 9" Back 9" x 9" Top 8" x 8" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 135 lbs

Material of stays steel Diameter at smallest part 1.45" Area supported by each stay 81" Working pressure by rules 143 lbs End plates in steam space:

Material steel Thickness 15/16" Pitch of stays 16" x 18.5" How are stays secured nuts Working pressure by rules 131 lbs Material of stays steel

Diameter at smallest part 4' 11" Area supported by each stay 296" Working pressure by rules 138 Material of Front plates at bottom steel

Thickness 11/16" Material of Lower back plate steel Thickness 11/16" Greatest pitch of stays 12.5" x 9" Working pressure of plate by rules 137 lbs

Diameter of tubes 3.4" Pitch of tubes 4.5" x 4.5" Material of tube plates steel Thickness: Front 11/16" & Back 11/16" Mean pitch of stays 9" all

Pitch across wide water spaces 14" Working pressures by rules 182 lbs Girders to Chamber tops: Material steel Depth and

thickness of girder at centre 2-7" x 1" Length as per rule 2' 8" Distance apart 8" Number and pitch of stays in each 3-8"

Working pressure by rules 158 lbs Superheater or Steam chest; how connected to boiler none Can the superheater be shut off and the boiler worked

separately ✓ Diameter ✓ Length ✓ Thickness of shell plates ✓ Material ✓ Description of longitudinal joint ✓ Diam. of rivet

holes ✓ Pitch of rivets ✓ Working pressure of shell by rules ✓ Diameter of flue ✓ Material of flue plates ✓ Thickness ✓

If stiffened with rings ✓ Distance between rings ✓ Working pressure by rules ✓ End plates: Thickness ✓ How stayed ✓

Working pressure of end plates ✓ Area of safety valves to superheater ✓ Are they fitted with easing gear ✓



