REPORT ON MA

Port of Greenock

No. in Reg. Book. 505 Survey held at Port Glasgow Date, first Surv

on the S S "Chesapeake"

Master J. C. Payne Built at Port Glasgow By whom built D

Port Glasgow By whom made David J

do do By whom made do

Power 413 Owners Anglo American

as per Section 28 413 = NP

Description of Engines Inverted Direct Ac

ders 27. 43¾ & 70. Length of Stroke 51" Revol

shaft as per rule 12.3 as fitted 13½ Diameter of Crank shaft journals 14" D

No. of blades Four

Pitch of screw 17' 9"

Two Diameter of ditto 4¼ Stroke 25½ Can one be overh

ditto Diameter of ditto 4¼ Stroke 25½ Can one be overh

Three Sizes of Pumps Two 5" x 6. & One 5¼ x 6

Stokehold Four 3½ & Separate Donkey and ... In Holds

Two 12 x 12 & Two 8½ x 10. & No & size of Suction in

sizes 9" Connected to condenser, or to circulating pump 3.5 pump

ction pipes fitted with roses yes Are the roses in Engine room always access

with the sea direct on the skin of the ship yes Are the

ciently high on the ship's side to be seen without lifting the stokehold plates yes

with a discharge valve always accessible on the plating of the vessel yes

arried through the bunkers Scupper & exhaust tank pipe

ks, valves, and pumps in connection with the machinery and all boiler n

ction pipes, cocks, and valves arranged so as to prevent any communicatio

tube, propeller, screw shaft, and all connections examined in dry dock 5

a watertight door no door worked from Tunnel

&c.— (Letter for record S) Total Heati

ption of Boilers Two Round Multitubular double ended

5.25 Can each boiler be worked separately yes Area of fire grat

Direct Spring Area of each valve 11.11

yes Smallest distance between boilers or uptakes and bunkers

Material of shell plates Steel Thickness 1⅛" Description of rive

et holes in long. seams 1 3/32 Pitch of rivets 9. 4½ & 3

strength of longitudinal joint rivets 88. plate 87.1 Working pressure of shell b

ating ring 31 + 1½ No. and Description of Furnaces in each

in part top 9" bottom Thickness of plates crown ½" bottom ½" Description of longi

ure of furnace by the rules 170 lbs Combustion chamber plates: Material Ste

s to ditto: Sides 7½ x 7½ Back Top 7½ x 7½ If stays are fitted w

stays Steel Diameter at smallest part 1¼" Area supported by each s

Steel Thickness ⅞ Pitch of stays 15 x 14¾ How are stays secured Do

smallest part 2¼ Area supported by each stay 221 □" Working

Material of Lower back plate Thickness Greatest

f tubes 3½ Pitch of tubes 4¾ Material of tube plates Steel T

ss wide water spaces 14½ Working pressures by rules 192

f girder at centre 8¼ x 1" double Length as per rule 37½ Distanc

pressure by rules 179 lbs Superheater or Steam chest; how connected t

Diameter Length Thickness of shell plates

Pitch of rivets Working pressure of shell by rules Diam

d with rings Distance between rings Working pressure by rul

pressure of end plates Area of safety valves to superheater

Consett Iron Works 6 Nov 1894

Blackhill Co. Durham

To R. M. Kellar & Co. Glasgow

Bought of Consett Iron Co. LIMITED.

FOR (SIEMENS-MARTIN) STEEL ANGLES, BULBS, BARS &c. DELIVERED AS UNDER:-

No. of Bars	Length	Section	Thickness	Marks	Tons	Cwts.	qrs.	lbs.	Price	£	s.
4	19' 0"	Steel Round	1⅜								
					9	7					
						1	2				
							0	0			

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Del'd Greenock

Lloyd's Register of Shipping, Greenock, 1 DEC 94

Surveyor to Lloyd's

DONKEY BOILER— Description See attached Report.

Made at ____ By whom made ____ When made ____ Where fixed ____

Working pressure ____ tested by hydraulic pressure to ____ No. of Certificate ____ Fire grate area ____ Description of safety valves ____

No. of safety valves ____ Area of each ____ Pressure to which they are adjusted ____ If fitted with easing gear ____ If steam from main boilers can enter the donkey boiler ____ Diameter of donkey boiler ____ Length ____ Material of shell plates ____ Thickness ____

Description of riveting long. seams ____ Diameter of rivet holes ____ Whether punched or drilled ____ Pitch of rivets ____

Lap of plating ____ Per centage of strength of joint Rivets ____ Plates ____ Thickness of shell crown plates ____ Radius of do. ____ No. of Stays to do. ____

Dia. of stays. ____ Diameter of furnace Top ____ Bottom ____ Length of furnace ____ Thickness of furnace plates ____ Description of joint ____ Thickness of furnace crown plates ____ Stayed by ____ Working pressure of shell by rules ____

Working pressure of furnace by rules ____ Diameter of uptake ____ Thickness of uptake plates ____ Thickness of water tubes ____

SPARE GEAR. State the articles supplied :— ⅓ length Crank Shaft. 1 propeller Shaft & nut. 2 propeller bronze blades. 1 set studs & nuts for one blade. 1 Air pump rod. 1 do for Circulating pump. 1 I.P Valve Spindle with head & Quadrant block. 1 Eccentric strap with bolts & nuts. 1 pair crank pin brasses. 2 do for Crosshead. 2 Connecting rod bottom end bolts & nuts.

The foregoing is a correct description,

David J. Dunlop
Manufacturer.

General Remarks (State quality of workmanship, opinions as to class, &c.)

These Engines and Boilers have been specially surveyed during construction, workmanship good, Shafts examined when being turned & found apparently sound. Main steam pipes tested by hydraulic pressure to 320 lbs per □". and found satisfactory. The Engines & Boilers are satisfactorily fitted in vessel, and tested under full steam. they are now in good order and safe working condition and are in my opinion eligible to be noted in Register Book ✠ LMC, 8, 95,

Spare gear Continued.

Four Connecting rod top end bolts & nuts. 2 Main bearing bolts, 1 set of Coupling bolts. 8 piston rod gland studs. 8 do for valve rod glands. 12 do for Cylinder Covers. ½ set junk ring pins. ⅓ set Metallic Valves for Air pump. 1 set rubber Valves for Circulating pump. 1 set of feed & bilge pump Valves. 1 set of Valves for each Oil pump. 25 tubes for Main Boilers. 5 do for Donkey Boiler. 25 do for Surface Condenser with 100 ferrules & packings. 2 safety valve springs for Main Boilers. 1 do for Donkey Boiler. 2 HP Escape Valve springs. 2 do for IP, 2 do for LP. 1 IP & 1 LP. do for receiver. 2 do for feed pumps. 1 set of Ramsbottom piston rings for HP & 1 do for IP. 3 Boiler Manhole door Studs. 1 set of fire bars & bridge bearers for make up Boiler. 1 do for Donkey Boiler, and a quantity of bolts nuts & iron assorted.

It is submitted that this vessel is eligible for THE RECORD + L.M.C. 8.95

A.S.
27.8.95.

Certificate (if required) to be sent to Greenock

The amount of Entry Fee.. £ 3 : " :
Special .. .. .. £ 41 : 13 : "
Donkey Boiler Fee .. .. £ " : " : "
Travelling Expenses (if any) £ " : " :

When applied for, 21/8/1895
When received, 26.8.95 — G.B.M.

MACHINERY CERTIFICATE WRITTEN

C. A. L. Heron,
Engineer Surveyor to Lloyd's Register of British & Foreign Shipping.
Greenock District.

Committee's Minute TUES. 27 AUG 1895

Assigned +2 LMC 8, 95

The Surveyors are requested not to write on or below the space for Committee's Minute.)