

REPORT ON MACHINERY.

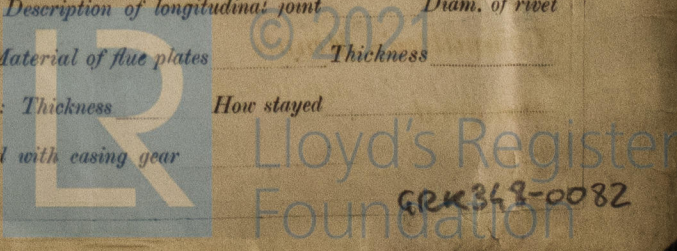
Port of Greenock.

Received at London Office 13

No. in Survey held at Port Glasgow Date, first Survey 3rd Aug^r 1899. Last Survey 13 Sept^r 1899.
Leg. Book. on the S.S. "Claverdon" (Hamilton & Co. No 144).
Master Built at Port Glasgow By whom built W. Hamilton & Co.
Engines made at Glasgow By whom made D. Rowan & Son when made 1899.
Boilers made at By whom made when made
Registered Horse Power Owners Port belonging to
Horse Power as per Section 28 Is Refrigerating Machinery fitted Is Electric Light fitted

GINES, &c.—Description of Engines
No. of Cylinders No. of Cranks
a. of Cylinders Length of Stroke Revs. per minute Dia. of Screw shaft as per rule as fitted Lgth. of stern bush
a. of Tunnel shaft as per rule Dia. of Crank shaft journals as per rule as fitted Dia. of Crank pin Size of Crank webs Dia. of thrust shaft under
a. of Feed pumps Diameter of ditto Stroke Can one be overhauled while the other is at work
a. of Bilge pumps Diameter of ditto Stroke Can one be overhauled while the other is at work
a. of Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps
Engine Room In Holds, &c.
a. of bilge injections sizes Connected to condenser, or to circulating pump Is a separate donkey suction fitted in Engine room & size
all the bilge suction pipes fitted with roses Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible
all connections with the sea direct on the skin of the ship Yes Are they Valves or Cocks Both
they fixed sufficiently high on the ship's side to be seen without lifting the stakehold plates Yes Are the discharge pipes above or below the deep water line
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
at pipes are carried through the bunkers How are they protected
all pipes, cocks, valves, and pumps in connection with the machinery and all boiler mountings accessible at all times
the bilge suction pipes, cocks, and valves arranged so as to prevent any communication between the sea and the bilges
were stern tube, propeller, screw shaft, and all connections examined in dry dock Before landing Is the screw shaft tunnel watertight
fitted with a watertight door worked from

Boilers, &c.— (Letter for record) Total Heating Surface of Boilers Is forced draft fitted
and Description of Boilers Working Pressure Tested by hydraulic pressure to
of test Can each boiler be worked separately Area of fire grate in each boiler No. and Description of safety valves to
boiler Area of each valve Pressure to which they are adjusted Are they fitted with easing gear
least distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length Material of shell plates
Range of tensile strength Are they welded or flanged Descrip. of riveting: cir. seams long. seams
eter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps
entages of strength of longitudinal joint rivets Working pressure of shell by rules Size of manhole in shell
of compensating ring No. and Description of Furnaces in each boiler Material Outside diameter
h of plain part top Thickness of plates crown Description of longitudinal joint No. of strengthening rings
ing pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom
of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules
ial of stays Diameter at smallest part Area supported by each stay Working pressure by rules End plates in steam space:
ial Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays
ter at smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom
ness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules
ter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays
across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and
ss of girder at centre Length as per rule Distance apart Number and pitch of Stays in each
oreign Sh ing pressure by rules Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked
ely Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
ned with rings Distance between rings Working pressure by rules End plates: Thickness How stayed
ing pressure of end plates Area of safety valves to superheater Are they fitted with easing gear



DONKEY BOILER— No. Description When made Where fixed

Made at By whom made

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 boiler

enter the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of

strength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets

Lap of plating Per centage of strength of joint Rivets 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

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:—

The foregoing is a correct description,
Manufacturer.

Dates { During progress of work in shops - - 1899 August 3. 8. 9. 16. 23. Sept 4. 13.
of Survey { During erection on board vessel - -
while building { Total No. of visits 7.

Is the approved plan of main boiler forwarded herewith
" " " donkey " " "

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

The stem tube, propeller, screw shaft, sea cocks, valves and their fastenings have been fitted in the vessel and found in order. Vessel is to receive her machinery in Glasgow.

See Gls. Report 14391

The amount of Entry Fee.. £ : : When applied for,
Special £ : :18.....
Donkey Boiler Fee £ : : When received,
Travelling Expenses (if any) £ : :18.....

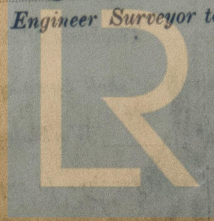
Committee's Minute

FRI, 20 OCT 1899

Assigned

R. Elliott

Engineer Surveyor to Lloyd's Register of British & Foreign Ships



Lloyd's Register
Foundation