

Received at London Office FRI. SEP 11 1914

Date of writing Report 26th Aug. 1914 When handed in at Local Office 26/8 1914 Port of Hull

No. in Survey held at Hull Date, First Survey 12-3-14 Last Survey 25-8-1914

Reg. Book. Sup on the steel sex "RELONZO." Ch 1066-11 (Number of Plates) Gross 245

Master Reverley By whom built Cook, Melton, Sumner & Co Tons Net 107

Engines made at Hull By whom made C.D. Holmes & Co when made 1914

Boilers made at Hull By whom made C.D. Holmes & Co when made 1914

Registered Horse Power 80 Owners G. F. Sleight Port belonging to Grimsby

om. Horse Power as per Section 28 80 Is Refrigerating Machinery fitted for cargo purposes no Is Electric Light fitted yes

GINES, &c.—Description of Engines Triple Expansion No. of Cylinders 3 No. of Cranks 3

dia. of Cylinders 12 1/2" 22" 35" Length of Strokes 24" Revs. per minute 9.27 Material of S.

the screw shaft fitted with a continuous liner the whole length of the stern tube yes Is the after end of the liner made water tight

the propeller boss yes If the liner is in more than one length are the joints burned yes 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

ners are fitted, is the shaft lapped or protected between the liners ✓ Length of stern bush 3'-0"

as per rule 6.54" Dia. of Tunnel shaft 7" as fitted 7" Dia. of Crank shaft journals 6.87" as fitted 7" Dia. of Crank pin 7" Size of Crank web 4' 8" x 3 1/2" of thrust shaft under

ollars 7" Dia. of screw 8-9" Pitch of Screw 10-9" No. of Blades 4 State whether moveable no Total surface 29.5

No. of Feed pumps 1 Diameter of ditto 2 3/8" Stroke 14 1/2" Can one be overhauled while the other is at work ✓

No. of Bilge pumps 1 Diameter of ditto 2 3/8" Stroke 14 1/2" Can one be overhauled while the other is at work ✓

No. of Donkey Engines 1 Sizes of Pumps 6" x 4" x 6" duplex No. and size of Suctions connected to both Bilge and Donkey pumps

Engine Room 2-2" One forward one aft. In Holds, &c. 2-2" Forecastle and

slushwell. 2 1/2" ejector from all bilges.

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 2 1/2" ejector

re 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

re all connections with the sea direct on the skin of the ship yes Are they Valves or Cocks Both

re 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

re 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

That pipes are carried through the bunkers Hold Suctions How are they protected Wood casing

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

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

ates of examination of completion of fitting of Sea Connections 8.5.14. of Stern Tube 8.5.14. Screw shaft and Propeller 8.5.14.

the Screw Shaft Tunnel watertight ✓ Is it fitted with a watertight door ✓ worked from Phoenix R. of Harde

ILERS, &c.—(Letter for record S. Manufacturers of Steel Phoenix R. of Harde

otal Heating Surface of Boilers 1402 Is Forced Draft fitted no No. and Description of Boilers One single-ended.

orking Pressure 190 lbs. Tested by hydraulic pressure to 380 lbs. Date of test 15.6.14 No. of Certificate 8097

an each boiler be worked separately ✓ Area of fire grate in each boiler 45.6 No. and Description of Safety Valves to

ch boiler 2 Spring Area of each valve 4.9 Pressure to which they are adjusted 195 lbs. Are they fitted with easing gear yes

allest distance between boilers or uptakes and bunkers or woodwork 6" Mean dia. of boilers 13'-6" Length 10'-6" Material of shell plates S.

ickness 1 1/8" Range of tensile strength 29 tons Are the shell plates welded or flanged ✓ Descrip. of riveting: cir. seams D.R.L.

g. seams T.R.D.B. Diameter of rivet holes in long. seams 1 1/2" Pitch of rivets 7 7/8" Lap of plates or width of butt straps 17"

er centages of strength of longitudinal joint 92.6 Working pressure of shell by rules 193 Size of manhole in shell 16 x 12"

se of compensating ring 7" x 1 1/8" No. and Description of Furnaces in each boiler 3 plain Material S. Outside diameter 40"

length of plain part top 6' 4 3/4" bottom 6' 4" Thickness of plates top 1 1/8" bottom 1 1/4" Description of longitudinal joint welded No. of strengthening rings ✓

orking pressure of furnace by the rules 191 Combustion chamber plates: Material S. Thickness: Sides 1 1/8" Back 3/32" Top 1 1/8" Bottom 1 1/8"

itch of stays to ditto: Sides 8' x 9 1/4" Back 9' 8" x 8 1/4" Top 8' x 10" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 202

aterial of stays S. Diameter at smallest part 2.07 Area supported by each stay 87.03 Working pressure by rules 229 End plates in steam space

aterial S. Thickness 1 1/2" Pitch of stays 18' x 18" How are stays secured INSIDE Working pressure by rules 196 Material of stays S.

iameter at smallest part 6.3 Area supported by each stay 34.2 Working pressure by rules 203 Material of Front plates at bottom S.

ickness 7/8" Material of Lower back plate S. Thickness 1 1/8" Greatest pitch of stay 15' x 9 1/8" Working pressure of plate by rules 191

iameter of tubes 3 1/2" Pitch of tubes 4 3/4" x 4 3/4" Material of tube plates S. Thickness: Front 7/8" Back 7/8" Mean pitch of stays 9 1/2"

itch across wide water spaces 15" Working pressures by rules 190 Girders to Chamber tops: Material S. Depth and

ickness of girder at centre 10 3/8" x 1 1/4" Length as per rule 2-11 7/8" Distance apart 10" Number and pitch of stays in each 3 at 8"

orking pressure by rules 194 Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked

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

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

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

IS A DONKEY BOILER FITTED?

No.

If so, is a report now forwarded?

SPARE GEAR.

State the articles supplied: - Two each top and bottom end connecting rod bolts & nuts. Two main bearing bolts & nuts. A set of coupling bolts for set each feed & bilge pump valves. A quantity of assorted bolts & nuts. Iron of various sizes.

The foregoing is a correct description,

p. pro CHARLES D. HOLMES & CO. LTD.

Arthur Holmes

DIRECTOR

Manufacturer.

Dates of Survey while building

During progress of work in shops - -
During erection on board vessel - - -
Total No. of visits

1914: - Mar 12. 26. 31 Apr 18. 24. 27 May 1. 4. 6 8 13. 14. 20 25 26 Jun 8. 12. 16. 29 Jul 6. 21. 30. 31. Aug 7. 11. 13. 20. 21. 25

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts - Cylinders

13.5.14. Slides

13.5.14. Covers

20.5.14. Pistons

20.5.14. Rods

25.5.14. Connecting rods

25.5.14. Crank shaft

5.6.14. Thrust shaft

6.7.14. Tunnel shafts

✓ Screw shaft

1.5.14. Propeller

1.5.14. Stern tube

1.5.14. Steam pipes tested

31.7.14. Engine and boiler seatings

8.5.14. Engines holding down bolts

11.8.14. Completion of pumping arrangements

25.8.14. Boilers fixed

11.8.14. Engines tried under steam

13.8.14. Main boiler safety valves adjusted

13.8.14. Thickness of adjusting washers

PV 3/16" SV 5/16"

Material of Crank shaft

Identification Mark on Do.

1217. Material of Thrust shaft

S. Identification Mark on Do.

1217. Material of Tunnel shafts

Identification Marks on Do.

Material of Screw shafts

S. Identification Marks on Do.

1217. Material of Steam Pipes

Copper solid drawn

Test pressure

38 lbs. hyd. pressure

Is an installation fitted for burning oil fuel

✓

Is the flash point of the oil to be used over 150°F.

✓

Have the requirements of Section 49 of the Rules been complied with

✓

Is this machinery duplicate of a previous case

yes. If so, state name of vessel

"REMARKS"

General Remarks

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

The engines & boiler of

vessel have been constructed under special survey in

accordance with the Rules. The materials and

workmanship are sound and good. The boiler tested

by hydraulic pressure and with the engines secured

on board and tested under steam they are now in good

order and safe-working condition and respectfully

submitted as being eligible in my opinion to be

classed with the notation of +hmc 8.14 in the

Register book.

It is submitted that

this vessel is eligible

THE RECORD, +hmc 8.14.

JWD. JWR

11/9/14

The amount of Entry Fee

£ 1 : 0

Special

£ 12 : 0

Donkey Boiler Fee

£ 2 : 0

Travelling Expenses (if any)

£ 2

When applied for,

9.9.14

When received,

1.10.14

Committee's Minute

FRI. SEP 18. 1914

Assigned

+hmc 8.14

MACHINERY CERTIFICATE

WRITTEN.

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