

# REPORT ON MACHINERY.

No. 31342  
THU. OCT. 1919

Received at London Office

Date of writing Report 19 When handed in at Local Office

26/9/19 Port of Hull.

No. in Survey held at Hull.

Date, First Survey 16.12.18 Last Survey 9-9 1919

Reg. Book. on the S.S LIMESLADE late JOHN ASHLEY (No. 409)

Number of Visits 8. Tons Gross 290 Net 127 When built 1919.

Master Built at Beverley. By whom built Cook Welton & Gemmell

Engines made at By whom made when made

Boilers made at By whom made when made

Registered Horse Power Owners Rhondda Fishing Co. Port belonging to Swansea.

Nom. Horse Power as per Section 28 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

Engines, &c.—Description of Engines No. of Cylinders No. of Cranks

No. of Cylinders Length of Stroke Revs. per minute Dia. of Screw shaft as per rule as fitted Material of screw shaft

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

the propeller boss 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

axles are fitted, is the shaft lapped or protected between the liners Length of stern bush

Dia. of Tunnel shaft as per rule as fitted Dia. of Crank shaft journals as per rule as fitted Dia. of Crank pin Size of Crank webs Dia. of thrust shaft under

flanges Dia. of screw Pitch of Screw No. of Blades State whether moveable Total surface

No. of Feed pumps Diameter of ditto Stroke Can one be overhauled while the other is at work

No. of Bilge pumps Diameter of ditto Stroke Can one be overhauled while the other is at work

No. of Donkey Engines Sizes of Pumps No. and size of Suctions connected to both Bilge and Donkey pumps

in Engine Room In Holds, &c.

No. of Bilge Injections sizes Connected to condenser, or to circulating pump Is a separate Donkey Suction fitted in Engine room & size

Are 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

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

Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Discharge Pipes above or below the deep water line

Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Are the Blow Off Cocks fitted with a spigot and brass covering plate

What pipes are carried through the bunkers forward suction How are they protected wood casings.

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

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

Is the Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

MILERS, &c.—(Letter for record) Manufacturers of Steel

Total Heating Surface of Boilers Is Forced Draft fitted No. and Description of Boilers

Working Pressure Tested by hydraulic pressure to Date of test No. of Certificate

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

each boiler Area of each valve Pressure to which they are adjusted Are they fitted with easing gear

Smallest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length Material of shell plates

Thickness Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams

Long. seams Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps

Percentages of strength of longitudinal joint Working pressure of shell by rules Size of manhole in shell

Size of compensating ring No. and Description of Furnaces in each boiler Material Outside diameter

Length of plain part top Thickness of plates crown Description of longitudinal joint No. of strengthening rings

bottom Thickness of plates bottom Working pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom

Working pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom

Working pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom

Material of stays Area at smallest part Area supported by each stay Working pressure by rules End plates in steam space:

Material Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays

Area at smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom

Thickness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules

Diameter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays

Clearance across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and

Thickness of girder at centre Length as per rule Distance apart Number and pitch of stays in each

Working pressure by rules Steam dome: description of joint to shell % of strength of joint

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

Pitch of rivets Working pressure of shell by rules Crown plates Thickness How stayed

SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to

Date of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler

Diameter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

*(Faint handwritten notes and scribbles, mostly crossed out)*

The foregoing is a correct description,

For AMOS & SMITH LTD.

*A. Robinson*

Manufacturer.

Dates of Survey while building: During progress of work in shops -- 1918: Dec 16, 24, 1919: Mar 7, May 3, 13, 19, Aug 1, Sep 9  
During erection on board vessel ---  
Total No. of visits 8

SECRETARY

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders  Slides  Covers  Pistons  Rods  *donkey*

Connecting rods  Crank shaft  Thrust shaft  Tunnel shafts  Screw shaft  Propeller

Stern tube  24/12/18 Steam pipes tested  Engine and boiler seatings  1/8/19 Engines holding down bolts

Completion of pumping arrangements  Boilers fixed  Engines tried under steam

Completion of fitting sea connections  7/3/19 Stern tube  7/3/19 Screw shaft and propeller  7/3/19

Main boiler safety valves adjusted  Thickness of adjusting washers

Material of Crank shaft  Identification Mark on Do.  Material of Thrust shaft  Identification Mark on Do.

Material of Tunnel shafts  Identification Marks on Do.  Material of Screw shafts  iron Identification Marks on Do.  2983 WNS

Material of Steam Pipes  Test 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  no If so, state name of vessel

General Remarks (State quality of workmanship, opinions as to class, &c. The screw shaft, stern tube, & sea connections were made & fitted under my Survey, the rest of the machinery & boiler were built & fitted under the Survey of the British Corporation, see certificate dated 8/9/19 attached.)

Certificate (if required) to be sent to Hull

The amount of Entry Fee ... £	:	:	When applied for,
Special ... £	:	:	19
Donkey Boiler Fee ... £	:	:	When received,
Travelling Expenses (if any) £	:	:	19

*W. R. Stone*  
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 10. OCT. 1919

Assigned

