

AUG 1927

Date of writing Report 10 AUG 1921 When handed in at Local Office 8 AUG 1921 Port of DUNDEE

No. in Survey held at Lundu Date, First Survey 16th Oct. 1919. Last Survey 2nd Feb. 1921.
Reg. Book. on the Steel screw steamer "Salcombe Regis" (Number of Visits 20)
Tons } Gross 610
Net 277

Master _____ Built at Lowesloft By whom built J. Chambers & Co. Ltd. When built 1921

Engines made at Scudde By whom made Yaman & Baggesen when made 1921

Boilers made at Glasgow By whom made Jas. Neilson & Son Ltd. when made 1921

Registered Horse Power *1* Owners *Harrison Bros* Port belonging to *Wabon*

Nom. Horse Power as per Section 28 96 ✓ Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

ENGINES, &c.—Description of Engines			No. of Cylinders	No. of Cranks
Triple Expansion			3	3
Dia. of Cylinders	14 · 23 · 38	Length of Stroke	24	Revs. per minute
		Dia. of Screw shaft	as per rule as fitted	Material of screw shaft
			7.8 8 1/2	Steel

Is 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

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'-9" ✓

Dia. of Tunnel shaft as per rule. 4.11 ✓ Dia. of Crank shaft journals as per rule. 4.44 ✓ Dia. of Crank pin $4\frac{3}{4}$ " Size of Crank webs $5 \times 14\frac{1}{2}$ " Dia. of thrust shaft under

collars $7\frac{3}{4}$ " Dia. of screw 9-3" Pitch of Screw 10'-0" No. of Blades 4 State whether moveable ☒ Total surface 35

No. of Feed pumps	2	Diameter of ditto	2 3/4"	Stroke	1/4"	Can one be overhauled while the other is at work	Yes
No. of P.H.	1	Diameter of ditto	2 3/4"	Stroke	1/4"	Can one be overhauled while the other is at work	Yes

No. of Buge pumps	2	Diameter of ditto	$\frac{1}{4}$	Stroke	$\frac{1}{4}$	Can one be overhauled while the other is at work	Yes
No. of Donkey Engines	2	Sizes of Pumps	$5\frac{1}{2} \times 3\frac{1}{2} \times 5$ General $4 \times 4 \times 8$ Ballast			No. and size of Suctions connected to both	

In Engine Room *+ one 2" B.R. Two 2"* *+ In Holds, &c. A.P. one 2" Cold two 2" Hot tank three 2" Hot three 2"*

No. of Bilge Injections *one* sizes *3"* Connected to condenser. or to circulating pump *Yes* Is a separate Donkey Suction fitted in Engine room & size *Yes*

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 ✓

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

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 sniot and brass covering plate Yes

What pipes are carried through the bunkers Hold large suction How are they protected Strong wood casings

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*

In the Stern Shaft Tunnel, watertight ☒ Is it fitted with watertight doors ☒ Is it closed from the inside ☒

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

BOILERS &c.—(Letter for record) **Manufacturers of Steel**

Total Heating Surface of Boilers 1666 $\frac{1}{2}$ Is Forced Draft fitted No No. and Description of Boilers

Working Pressure 180 Lb sq. in. Tested by hydraulic pressure to _____ Date of test _____ No. of Certificate 9

Can each boiler be worked separately		Area of fire grate in each boiler	No. and Description of Safety Valves to
1 boiler	Area of each grate	Pressure to which they are fitted	Area of each valve

each boiler	Area of each plate	Pressure to which they are adjusted	Area in contact 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 _____

Per centages of strength of longitudinal joint	Working pressure of shell by rules	Size of manhole in shell
Size of manhole in shell	Material	Outside diam.

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

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

Pitch of stays to ditto: Sides *Back* *Top* *If stays are fixed with nuts or riveted heads* *Working pressure by rules*

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 the 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 *Latex* 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 stay
Pitch across wide water spaces	Working pressures by rules	Girders to Chamber tops: Material			

thick across wide water spaces	Working pressures of valves	Stirrers to Chamber tops	Exhaust 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 barrel			

Thickness of shell Working pressure of shell by rules Crown plates Thickness How sagged

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

[illegible]

IS A DONKEY BOILER FITTED?

Yes

If so, is a report now forwarded?

Yes

SPARE GEAR. State the articles supplied: Two top end bolts & nuts. 2 main bearing bolts & nuts. 2 Bottom end bolts & nuts. Set of coupling bolts & nuts. Spare valves for air, circulating, feed & bilge pumps. 6 pump ring studs. Main and donkey check valves. Assorted bolts & nuts, & iron of various sizes.

The foregoing is a correct description,

Yaman & Baggesen

Manufacturer.

Dates of Survey while building
During progress of work in shops -- 1919 OCT. 16. NOV. 19. 1920 MAR. 22. MAY. 28. JUNE 22. JULY 12. AUG. 26. SEP. 2. 8. 20.
During erection on board vessel -- 1920 OCT. 22. NOV. 2. 24. 26. DEC. 4. 14. 1921 JAN. 19. 25. 31. FEB. 2.
Total No. of visits 20. } 14 } 34

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders 2-12-20 Slides 28-12-20 Covers 2-12-20 Pistons 17-12-20 Rods 24-11-20
Connecting rods 24-11-21 Crank shaft 26-8-20 Thrust shaft 26-9-20 Tunnel shafts ✓ Screw shaft 26-9-20 Propeller 26-9-20
Stern tube 26-9-20 Steam pipes tested 4-5-21 Engine and boiler seatings 5-4-21 17-8-21 Engines holding down bolts 79-3-21
Completion of pumping arrangements 29-7-21 Boilers fixed 17-3-21 Engines tried under steam 29-7-21
Completion of fitting sea connections 15-11-20 Stern tube 15-11-20 Screw shaft and propeller 30-12-20
Main boiler safety valves adjusted 29-7-21 Thickness of adjusting washers P. 4. S. 5.
Material of Crank shaft Steel Identification Mark on Do. 898 J.H.M. Material of Thrust shaft Steel Identification Mark on Do. 898 J.H.M.
Material of Tunnel shafts ✓ Identification Marks on Do. ✓ Material of Screw shafts Steel Identification Marks on Do. 898 J.H.M.
Material of Steam Pipes Copper Test pressure 360 lbs.
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.)

This engine has been built under special survey. The materials & workmanship are sound & good.

It has been dispatched to Lowestoft, where it will be fitted on board.

The engines & boilers examined whilst being installed in the vessel, afterwards tried under working conditions & found satisfactory & is now eligible in our opinion for the record of + L.M.C. 8-21 in the Register Book.

It is submitted that this vessel is eligible for THE RECORD. + L.M.C. 7-21 C.L.

The amount of Entry Fee ... £ 2 : 0 :
Special Fitting on Board Donkey Boiler Fee ... £ 9 : 12 :
Travelling Expenses (if any) £ 4 : 16 :
When applied for, 8/2/1921
When received, 19-3-21

Committee's Minute

Assigned

MACHINERY DEPT
WRITTEN

FRI. 12 AUG. 1921

+ L.M.C. 7-21

C.L.

John H. Mackintosh
Engineer Surveyor to Lloyd's Register of Shipping
A.E. Farmer & P. 1921

TUE. NOV. 29 1921

TUE. FEB. 20 1923

Lloyd's Register Foundation