

REPORT ON MACHINERY

No. 40794
WED. 19 JAN. 1921

Received at London Office

Date of writing Report 17-1-1921 When handed in at Local Office 17-1-1921 Port of GLASGOW

No. in Survey held at Paisley & Glasgow Date, First Survey 23-9-1919 Last Survey 14-1-1921
Reg. Book. on the Machinery of S.S. KERRY MORE. (Number of Visits 30)

Master Built at Larne By whom built Larne SBC's (78) Tons } Gross }
When built 1921

Engines made at Paisley By whom made Campbell & Calderwood N° 966 when made 1921

Boilers made at Paisley By whom made A. F. Craig & Co Ltd N° 680 when made 1921

Registered Horse Power Owners John Kelly, L^{td} Port belonging to Belfast

Nom. Horse Power as per Section 28 48 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

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

Dia. of Cylinders 13" 21" 34" Length of Stroke 24" Revs. per minute Dia. of Screw shaft as per rule 4.34 as fitted 4.2 Material of screw shaft 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'-6"

Dia. of Tunnel shaft as per rule 6.48 as fitted none Dia. of Crank shaft journals as per rule 6.8 as fitted 4" Dia. of Crank pin 4" Size of Crank webs 12 1/2 x 4 1/2 Dia. of thrust shaft under collars 4" Dia. of screw 9' 0" Pitch of Screw 11' 0" No. of Blades 4 State whether moveable No Total surface 33 1/2 sq ft

No. of Feed pumps 1 Diameter of ditto 3" Stroke 12" Can one be overhauled while the other is at work - } see London letter E. 24-6-20

No. of Bilge pumps 1 Diameter of ditto 3" Stroke 12" Can one be overhauled while the other is at work - }

No. of Donkey Engines 2 Sizes of Pumps Feed 7x5x12 Ballast 6x4x10 No. and size of Suctions connected to both Bilge and Donkey pumps In Engine Room Two at 2" In Holds, &c. For 2 at 2"

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 Yes 2"

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 None

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

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 spigot and brass covering plate Yes

What pipes are carried through the bunkers Bilge and Ballast suction How are they protected Wood casing

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

Is the Screw Shaft Tunnel watertight None Is it fitted with a watertight door - worked from -

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

Total Heating Surface of Boilers 1439 Is Forced Draft fitted No No. and Description of Boilers One S.E. Marine

Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 20-4-20 No. of Certificate 15235

Can each boiler be worked separately - Area of fire grate in each boiler 52 sq ft No. and Description of Safety Valves to each boiler Two direct sprung loaded Area of each valve 5.94 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

Per centages of strength of longitudinal joint rivets plate 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 bottom Thickness of plates crown bottom Description of longitudinal joint No. of strengthening rings

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

Pitch of stays to ditto: Sides Back Top If stays are fitted 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 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

Pitch 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

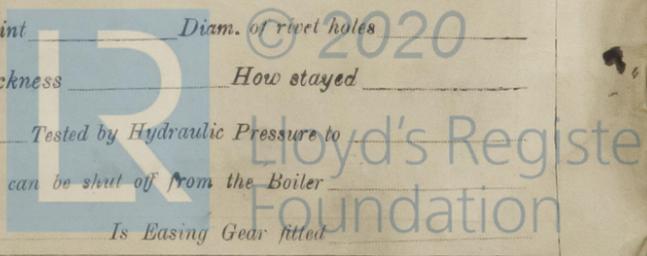
Diameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes

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:—

The foregoing is a correct description,

Campbell Walsby & Co
Manufacturers.

Dates of Survey while building { During progress of work in shops - - } 1919. Sep 23 Oct 22 31 Nov 14 18 25 Dec 11 (1920) Jan 12 Feb 2 11 20 Mar 4 10 19 May 26 Jun 1 8 Sep 13 1920
{ During erection on board vessel - - - } Dec 2 14 21 23 27 29 30 31 (1921) Jan 11 14
Total No. of visits 30

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

Dates of Examination of principal parts—Cylinders 14-11-19 Slides 12-1-20 Covers 12-1-20 Pistons 4-3-20 Rods 4-3-20
Connecting rods 4-3-20 Crank shaft 12-1-20 Thrust shaft 8-6-20 Tunnel shafts — Screw shaft 8-6-20 Propeller 8-6-20
Stern tube 12-1-20 Steam pipes tested 23-12-20 Engine and boiler seatings *See Report* Engines holding down bolts 30/12/20
Completion of pumping arrangements Boilers fixed 29.12.20 Engines tried under steam
Completion of fitting sea connections *See Report* Stern tube *See Report* Screw shaft and propeller *See Report*
Main boiler safety valves adjusted Thickness of adjusting washers

Material of Crank shaft Steel Identification Mark on Do. *966 D.C.B. 12-1-20* Material of Thrust shaft Steel Identification Mark on Do. *966 D.C.B. 8-6-20*
Material of Tunnel shafts None Identification Marks on Do. — Material of Screw shafts Steel Identification Marks on Do. *966 D.C.B. 8-6-20*
Material of Steam Pipes SD Copper Test pressure 360 lbs
Is an installation fitted for burning oil fuel No 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 machinery of this vessel is new built under Special Survey & workmanship is of a good quality and good quality. The machinery is eligible in our opinion for the record of + L.M.C. with date when the survey is completed as below

Safety valves adjusted under steam
Pumping arrangements tested under working conditions
Spare gear checked
Machinery tried under steam
The vessel is leaving this port for Larne in tow
Self and Surveyors advised

The amount of Entry Fee ... £ 2 : - :
Special ... £ 19 : 10 :
Donkey Boiler Fee ... £ : :
Travelling Expenses (if any) £ : :
When applied for, 17.1.1921
When received, 22.3.1921
W. Gordon Maclean & D. C. Barr.
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute Glasgow: 18 JAN 1921
Assigned Deferred

