

REPORT ON MACHINERY.

No. 75085

Received at London Office SAT 31 DEC. 1921

Report made at North Shields Date, First Survey 29 Nov Last Survey 23 December 1921
 Survey held at S.K. "Othello" (Number of Visits 11)
 By whom built bachman & Sons when made 1907
 By whom made G.D. Holmes & Co when made 1921
 By whom made Messrs Riley Bros Ltd Port belonging to Grimshy
 Owners A. Bannister Is Electric Light fitted
 Horse Power Is Refrigerating Machinery fitted for cargo purposes
 Power as per Section 28

Engines.—Description of Engines
 Length of Stroke Revs. per minute Dia. of Screw shaft as per rule as fitted Material of screw shaft
 Is the after end of the liner made water tight
 If the liner does not fit tightly at the part
 If two
 Length of stern bush
 Dia. of thrust shaft under
 Total surface
 State whether moveable
 No. of Blades
 Dia. of Crank pin
 Size of Crank webs
 Can one be overhauled while the other is at work
 Can one be overhauled while the other is at work
 No. and size of Suctions connected to both Bilge and Donkey pumps
 In Holds, &c.
 Is a separate Donkey Suction fitted in Engine room & size
 Are the sluices on Engine room bulkheads always accessible
 Are they Valves or Cocks
 Are the Discharge Pipes above or below the deep water line
 Are the Blow Off Cocks fitted with a spigot and brass covering plate
 How are they protected
 Are the roses in Engine room always accessible
 Are the connections with the sea direct on the skin of the ship
 Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates
 Are they each fitted with a Discharge Valve always accessible on the plating of the vessel
 How are they protected
 Are the pipes carried through the bunkers
 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 it fitted with a watertight door
 worked from

Boilers.—(Letter for record) Manufacturers of Steel See Middlethorpe Report No 11135.
 Is Forced Draft fitted No. and Description of Boilers No. of Certificate
 Tested by hydraulic pressure to Date of test No. and Description of Safety Valves to
 Area of fire grate in each boiler Are they fitted with easing gear
 Pressure to which they are adjusted 185 lb
 Mean dia. of boilers Length Material of shell plates
 Descrip. of riveting: cir. seams
 Lap of plates or width of butt straps
 Size of manhole in shell
 Material Outside diameter
 No. of strengthening rings
 Back Top Bottom
 Working pressure by rules
 End plates in steam space:
 Working pressure by rules Material of stays
 How are stays secured Working pressure by rules Material of Front plates at bottom
 Working pressure of plate by rules
 Greatest pitch of stays Thickness Mean pitch of stays
 Thickness Material of Lower back plate Thickness: Front Back Depth and
 Girders to Chamber tops: Material
 Number and pitch of stays in each
 % of strength of joint
 Diam. of rivet holes
 How stayed
 Thickness
 Crown plates
 Tested by Hydraulic Pressure to
 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
 Is Easing Gear fitted
 Pressure to which each is adjusted
 Date of Approval of Plan
 Date of Test
 Diameter of Safety Valve

THE SURVEYORS ARE REQUESTED NOT TO WRITE

IS A DONKEY BOILER FITTED?

If so, is a report now forwarded?

SPARE GEAR. State the articles supplied:—

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building
During progress of work in shops --
During erection on board vessel ---
Total No. of visits

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders

Slides

Covers

Pistons

Rods

Connecting rods

Crank shaft

Thrust shaft

Tunnel shafts

Screw shaft

Propeller

Stern tube

Steam pipes tested

Engine and boiler seatings

Engines holding down bolts

Completion of pumping arrangements

Boilers fixed

Engines tried under steam

Completion of fitting sea connections

Stern tube

Screw shaft and propeller

Main boiler safety valves adjusted 25/12/21

Thickness of adjusting washers

For 1/16"

Aft 1/16"

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

Identification Marks on Do.

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

If so, state name of vessel

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

Owing to the distance between boiler and port bunker being only 2", a suitable baffle plate has been fitted inside the bunker.

This boiler which has been constructed under special survey has now been efficiently installed on board & its safety valves adjusted under steam to the above pressure.

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

Committee's Minute

TUE JAN. 10 1922

TUE JAN. 20 1923

Assigned

J. McCullin
Engineer Surveyor to Lloyd's Register of Shipping.

TUES. 30 AUG 1927

TUES. 19 JAN 1926

TUES. 2 NOV 1920

TUES. 4 MAY 1926

TUE FEB. 20 1923

TUES. 7 OCT 1924

FRI. 25 SEP 1925

FRI. 24 JUL 1926

FRI. 12 APR 1929

FRI. 9 MAR 1926

Lloyd's Register
Foundation