

4.

# REPORT ON MACHINERY.

No. 39957  
WED. JUL. 7 1920

Received at London Office

Writing Report 25<sup>th</sup> April 1920 When handed in at Local Office 1-5-1920 Port of Glasgow  
Survey held at Ardrossan Date, First Survey Last Survey 19 April 1920  
Book on the S.S. "Poljana" (Number of Visits)  
Built at Ardrossan By whom built Ardrossan S.S. H.B.C. No. 309 When built 1920  
Engines made at Greenock By whom made Lincaid & Co when made 1920  
Boilers made at Greenock By whom made Lincaid & Co when made 1920  
Registered Horse Power Owners Port belonging to Christiania  
Horse Power as per Section 28 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

GINES, &c.—Description of Engines  
No. of Cylinders No. of Cranks  
Length of Stroke Revs. per minute Dia. of Screw shaft as per rule Material of screw shaft as fitted  
Is the after end of the liner made water tight  
If the liner is in more than one length are the joints burned If the liner does not fit tightly at the part  
If two  
Length of stern bush  
Dia. of Crank shaft journals as per rule Dia. of Crank pin Size of Crank webs Dia. of thrust shaft under  
Pitch of Screw No. of Blades State whether movable Total surface  
Diameter of ditto Stroke Can one be overhauled while the other is at work  
Diameter of ditto Stroke 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.

of Bilge Injections sizes Connected to condenser, or to circulating pump Is a separate Donkey Suction fitted in Engine room & size  
Are the roses in Engine room always accessible 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  
Is it fitted with a watertight door worked from

MANUFACTURERS, &c.—(Letter for record) Manufacturers of Steel  
Is Forced Draft fitted No. and Description of Boilers  
Date of test No. of Certificate  
Area of fire grate in each boiler No. and Description of Safety Valves to  
Area of each valve Pressure to which they are adjusted Are they fitted with easing gear  
Mean dia. of boilers Length Material of shell plates  
Are the shell plates welded or flanged Descrip. of riveting: cir. seams  
Pitch of rivets Lap of plates or width of butt straps  
Working pressure of shell by rules Size of manhole in shell  
No. and Description of Furnaces in each boiler Material Outside diameter  
Description of longitudinal joint No. of strengthening rings  
Thickness of plates crown bottom  
Working pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom  
If stays are fitted with nuts or riveted heads Working pressure by rules  
Area supported by each stay Working pressure by rules Material of stays  
How are stays secured Working pressure by rules Material of stays  
Greatest pitch of stays Working pressure of plate by rules  
Material of tube plates Thickness: Front Back Mean pitch of stays  
Girders to Chamber tops: Material Depth and  
Distance apart Number and pitch of stays in each  
% of strength of joint  
Diam. of rivet holes  
How stayed  
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

4040-181510-0404  
015183-015187-0404

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

" " " donkey " " "

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 19/4/20 Engines holding down bolts

Completion of pumping arrangements Boilers fixed Engines tried under steam

Completion of fitting sea connections 19/4/20 Stern tube 19/4/20 Screw shaft and propeller

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 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.)

The seacocks & stern tube have been fitted in a satisfactory manner.

Vessel is proceeding to Greenock for machinery.

See Mr. Bell's report on machinery arriving 7th J.D.

Certificate (if required) to be sent to  
The Surveyors are requested not to write on or below the space for Committee's Minute.

The amount of Entry Fee	... £	:	:	When applied for,
Special	... £	:	:	29/6/20
Donkey Boiler Fee	... £	:	:	When received,
Travelling Expenses (if any)	£	:	10/-	1/7/20

J. H. Bell

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 6 - JUL 1920

Assigned See GRK RML 17673

WRITTEN

Note & limit



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