

Received at London Office **WED. 17 MAR. 1920**  
Date of writing Report 19 When handed in at Local Office 13.3.20 Port of **Glasgow**  
No. in Survey held at **Glasgow** Date, First Survey 23/5/19 Last Survey 5<sup>th</sup> March 1920  
Reg. Book. on the **S. S. "Syxier"** (Number of Visits 68)  
Master Built at **Whiteinch** By whom built **Lloyd Royal Belge No 13** Tons Gross Net When built 1920  
Engines made at **Glasgow** By whom made **McKie & Baxter No 942** when made 1920  
Boilers made at **Paisley** By whom made **A & J Craig 656/7** when made 1920  
Registered Horse Power Owners **Lloyd Royal Belge Ste Anvers** Port belonging to **Antwerp**  
Nom. Horse Power as per Section 28 99 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted **None**

**ENGINES, &c.—Description of Engines** Triple Expansion No. of Cylinders 3 No. of Cranks 3  
Dia. of Cylinders 15-25-40 Length of Stroke 27 Revs. per minute 95 Dia. of Screw shaft as per rule 7.87 7.83 Material of Steel  
Is the screw shaft fitted with a continuous liner the whole length of the stern tube No liner Is the after end of the liner made water tight  
in 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  
liners are fitted, is the shaft lapped or protected between the liners Length of stern bush 42 1/2  
Dia. of Tunnel shaft as per rule 7.52 7.45 Dia. of Crank shaft journals as per rule 7.89 7.83 Dia. of Crank pin 8 Size of Crank webs 15 x 5 1/2 Dia. of thrust shaft under  
collars 8 Dia. of screw 12 1/2 Pitch of Screw 9 1/2 No. of Blades 4 State whether moveable No Total surface 50 sq. ft.  
No. of Feed pumps 2 Diameter of ditto 2 1/2 Stroke 13 1/2 Can one be overhauled while the other is at work Yes  
No. of Bilge pumps 2 Diameter of ditto 2 1/2 Stroke 13 1/2 Can one be overhauled while the other is at work Yes  
No. of Donkey Engines 1 No Sizes of Pumps Feed 6 x 4 x 6 Ballast 6 x 7 1/2 x 6 No. and size of Suctions connected to both Bilge and Donkey pumps  
In Engine Room 3-2 1/2 In Holds, &c. Fore hold 2-2 1/2 After hold 2-2 1/2  
Jumelhell 1-2 1/2  
No. of Bilge Injections 1 Sizes 4 1/2 Connected to condenser, or to circulating pump Yes Is a separate Donkey Suction fitted in Engine room & size Yes 2 1/2 dia  
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 Yes  
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 None How are they protected  
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 Yes Is it fitted with a watertight door Yes worked from Top platform

**BOILERS, &c.—(Letter for record)** Manufacturers of Steel  
Total Heating Surface of Boilers 1630 sq ft Is Forced Draft fitted No No. and Description of Boilers 2 Single Ended water tubular  
Working Pressure 185 Tested by hydraulic pressure to Date of test No. of Certificate  
Can each boiler be worked separately yes Area of fire grate in each boiler 24 sq. ft. No. and Description of Safety Valves to  
each boiler 1 In double spring Area of each valve 3 1/4 sq in Pressure to which they are adjusted 190 lbs Are they fitted with easing gear Yes  
Least distance between boilers or uptakes and bunkers or woodwork 18" 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  
Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps  
Percentages of strength of longitudinal joint rivets 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 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 See Separate Report Attached 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 **Schmidt's** Date of Approval of Plan 5<sup>th</sup> July 1920 Tested by Hydraulic Pressure to 555 lbs  
Date of Test 19-2-20 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler Yes  
Diameter of Safety Valve 1" Pressure to which each is adjusted 193 lbs Is Easing Gear fitted No Not designed for  
easing gear



Lloyd's Register  
Foundation