

Date of writing Report 10 JUN 1918 Port of *Simdand*  
No. in Survey held at *Simdand* Date, First Survey *11 Aug. 17* Last Survey *28 May 1918*  
Reg. Book. on the *S/S WAR BATTERY* (Number of Visits *2352*)  
Master *Reff* Built at *Simdand* By whom built *Astrum. Graham & Co. Ltd.* Tons *1343*  
Engines made at *Simdand* By whom made *Macmillan & Partners Ltd.* when made *1918*  
Boilers made at *Do* By whom made *Do* when made *1918*  
Registered Horse Power Owners *Shipping Controller (Bd. & Samsfield)* Port belonging to *London*  
Nom. Horse Power as per Section 28 *416 430* Is Refrigerating Machinery fitted for cargo purposes *No* Is Electric Light fitted *Yes*  
ENGINES, &c.—Description of Engines *Triple* No. of Cylinders *3* No. of Cranks *3*  
Dia. of Cylinders *25 41 68* Length of Stroke *45* Revs. per minute *76* Dia. of Screw shaft as per rule *13.4* Material of *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 *Yes* 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 *Yes* If two  
liners are fitted, is the shaft lapped or protected between the liners *Yes* Length of stern bush *5-0*  
Dia. of Tunnel shaft as per rule *12.4* Dia. of Crank shaft journals as per rule *13.02* Dia. of Crank pin *13 1/2* Size of Crank webs *8 1/2* Dia. of thrust shaft under  
collars *13 1/2* Dia. of screw *15.6* Pitch of Screw *17.0* No. of Blades *4* State whether moveable *No* Total surface *75.5*  
No. of Feed pumps *2* Diameter of ditto *3 1/2* Stroke *24* Can one be overhauled while the other is at work *Yes*  
No. of Bilge pumps *2* Diameter of ditto *3 1/2* Stroke *24* Can one be overhauled while the other is at work *Yes*  
No. of Donkey Engines *4* Sizes of Pumps *2 1/2, 2, 1 1/2, 1 1/2* No. and size of Suctions connected to both Bilge and Donkey pumps  
In Engine Room *3, 3" dia.* In Holds, &c. *Fore hold 2, 3" dia. After hold 3, 3" dia.*  
No. of Bilge Injections *1* sizes *8"* Connected to condenser or to circulating pump *Yes* Is a separate Donkey Suction fitted in Engine room of size *Yes 3"*  
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 *No*  
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 *Yes*  
Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges *Yes*  
Dates of examination of completion of fitting of Sea Connections *13.3.18* of Stern Tube *15.4.18* Screw shaft and Propeller *15.4.18*  
Is the Screw Shaft Tunnel watertight *Yes* Is it fitted with a watertight door *No* worked from *across from trunk from Deck*  
BOILERS, &c.—(Letter for record *5*) Manufacturers of Steel *John Brown & Co. Ltd.*  
Total Heating Surface of Boilers *6106* Is Forced Draft fitted *Yes* No. and Description of Boilers *Two single ended*  
Working Pressure *180 lbs* Tested by hydraulic pressure to *360 lbs* Date of test *22.12.18, 4.1.19* No. of Certificates *3070, 3471*  
Can each boiler be worked separately *Yes* Area of fire grate in each boiler *75.9* No. and Description of Safety Valves to  
each boiler *2 Spring valves* Area of each valve *12.5* Pressure to which they are adjusted *185 lbs* Are they fitted with easing gear *Yes*  
Smallest distance between boilers or uptakes and bunkers or woodwork *14 1/2* Mean dia. of boilers *16-6* Length *11-9* Material of shell plates *S*  
Thickness *1 1/2* Range of tensile strength *28-33* Are the shell plates welded or flanged *No* Descrip. of riveting: cir. seams *Lap riv.*  
long. seams *1 1/2* Diameter of rivet holes in long. seams *1 3/8* Pitch of rivets *9 3/8* Lap of plates or width of butt straps *20 1/2*  
Per centages of strength of longitudinal joint rivets *87.2* Working pressure of shell by rules *204* Size of manhole in shell *12 x 16*  
Size of compensating ring *None* No. and Description of Furnaces in each boiler *4 Duplex* Material *S* Outside diameter *3-8 1/2*  
Length of plain part top *—* Thickness of plates crown *7/8* Description of longitudinal joint *Welded* No. of strengthening rings *—*  
bottom *—* Working pressure of furnace by the rules *198* Combustion chamber plates: Material *S* Thickness: Sides *3/4* Back *3/4* Top *2 3/4* Bottom *3 1/2*  
Pitch of stays to ditto: Sides *10 1/2 x 8 3/4* Back *10 1/2 x 9* Top *10 1/2 x 8 3/4* If stays are fitted with nuts or riveted heads *Nuts* Working pressure by rules *200*  
Material of stays *S* Diameter at smallest part *2 1/2* Area supported by each stay *88.6* Working pressure by rules *206* End plates in steam space  
Material *S* Thickness *1 1/2* Pitch of stays *24 x 22 1/2* How are stays secured *At 22 1/2* Working pressure by rules *180* Material of stays *S*  
Diameter at smallest part *8.46* Area supported by each stay *490.0* Working pressure by rules *180* Material of Front plates at bottom *S*  
Thickness *1 1/2* Material of Lower back plate *S* Thickness *7/8* Greatest pitch of stays *13 3/4 x 9 1/2* Working pressure of plate by rules *196*  
Diameter of tubes *2 3/4* Pitch of tubes *32 x 4* Material of tube plates *S* Thickness: Front *1 1/2* Back *3/4* Mean pitch of stays *9 1/2*  
Pitch across wide water spaces *13 3/4* Working pressures by rules *191* Girders to Chamber tops: Material *S* Depth and  
thickness of girder at centre *2.2 10 x 1 1/2* Length as per rule *35 1/2* Distance apart *10 1/2* Number and pitch of stays in each *3, 8 3/4*  
Working pressure by rules *192* Superheater or Steam chest; how connected to boiler *—* Can the superheater be shut off and the boiler worked  
separately *—* Diameter *—* Length *—* Thickness of shell plates *—* Material *—* Description of longitudinal joint *—* Diam. of rivet  
holes *—* Pitch of rivets *—* Working pressure of shell by rules *—* Diameter of flue *—* Material of flue plates *—* Thickness *—*  
If stiffened with rings *—* Distance between rings *—* Working pressure by rules *—* End plates: Thickness *—* How stayed *—*  
Working pressure of end plates *—* Area of safety valves to superheater *—* Are they fitted with easing gear *—*



