

REPORT ON MACHINERY.

No. 6194

TUE APR. 24 1923

Port of *Falmouth*

Received at London Office

Survey held at *Falmouth*

Date, first Survey *19th April* Last Survey *21st April 1921*

(Number of Visits *3*)

the *SS "Nowshera"*

Tons { Gross *7920*
Net *4875*

Built at *Belfast*

By whom built *Workman Clark and Co Ltd* When built *1919*

made at *Belfast*

By whom made *Workman Clark and Co Ltd* when made *1919*

made at *Belfast*

By whom made *Workman Clark and Co Ltd* when made *1919*

Horse Power

Owners *British India Steam Navigation Co Ltd* Port belonging to *Glasgow*

Power as per Section 28 *1138*

Is Refrigerating Machinery fitted for cargo purposes *No*

Is Electric Light fitted *Yes*

S, &c.—Description of Engines *Twin screw Triple Expansion* No. of Cylinders *6* No. of Cranks *6*

Cylinders *26 1/2 - 44 - 73* Length of Stroke *48* Revs. per minute *114.8* Dia. of Screw shaft as per rule *14.8* Material of screw shaft as fitted *15.75* *steel*

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

eller 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

bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive *✓* If two

lapped, is the shaft lapped or protected between the liners *✓* Length of stern bush *5ft 3in*

Dia. of shaft as per rule *13.7* Dia. of Crank shaft journals as per rule *13.875* Dia. of Crank pin as fitted *15.75* Size of Crank webs *15.75* Dia. of thrust shaft under

Dia. of screw *17.3* Pitch of Screw *18.0* No. of Blades *4* State whether moveable *Yes* Total surface *90ft*

pumps *2* Diameter of ditto *4 1/2* Stroke *24* Can one be overhauled while the other is at work *Yes*

pumps *2* Diameter of ditto *4 1/2* Stroke *24* Can one be overhauled while the other is at work *Yes*

key Engines *5* Sizes of Pumps *2. Wrens 15 1/2 x 11 1/2 x 24* No. and size of Suctions connected to both Bilge and Donkey pumps *1. Bilge 10 1/2 x 24 1/2 x 24*
2. Donkey 9 1/2 x 7 x 18

Room In Holds, &c.

Injections *2* sizes *13* Connected to condenser, or to circulating pump *Donkey pumps* a separate Donkey Suction fitted in Engine room & size

Bilge suction pipes fitted with roses Are the roses in Engine room always accessible Are the sluices on Engine room bulkheads always accessible

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

ed 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 *Below*

filled 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*

are carried through the bunkers *Fore hold suction* How are they protected

es, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times *Yes*

re Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges

mination of completion of fitting of Sea Connections *20/4/23* of Stern Tube *21/4/23* Screw shaft and Propeller *21/4/23*

Shaft Tunnel watertight *Yes* Is it fitted with a watertight door *Yes* worked from *Engine room top platform*

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

ing Surface of Boilers *1707sqft* Is Forced Draft fitted *Yes* No. and Description of Boilers *3 Double ended cylindrical*

pressure *200 lbs* Tested by hydraulic pressure to Date of test No. of Certificate

iler be worked separately *Yes* Area of fire grate in each boiler *146.667ft* No. and Description of Safety Valves to

Direct spring loaded Area of each valve *14.19* Pressure to which they are adjusted Are they fitted with easing gear *Yes*

ance between boiler uptakes and bunkers *9"* Mean dia. of boilers *16.3* Length *20.6* Material of shell plates *steel*

15" Range of tensile strength *28 to 32 tons* Are the shell plates welded or flanged *No* Descrip. of riveting: cir. seams *Lap. B & T*

Butt straps Diameter of rivet holes in long. seams *1 1/2"* Pitch of rivets *10 1/2"* Lap of plates or width of butt straps *22 1/2"*

of strength of longitudinal joint rivets *85.2* Working pressure of shell by rules *207 lbs* Size of manhole in shell *16" x 12"*

nsating ring *McNeil's* No. and Description of Furnaces in each boiler *8 Deighton* Material *steel* Outside diameter *44 1/4"*

ain part top *4"* Thickness of plates crown *3 1/2"* Description of longitudinal joint *Weld* No. of strengthening rings *-*

ssure of furnace by the rules *213 lbs* Combustion chamber plates: Material *steel* Thickness: Sides *1/16"* Back Top *1/16"* Bottom *1/16"*

s to ditto: Sides *9 1/2" x 8 1/2"* Back Top *7" x 6 1/4"* If stays are fitted with nuts or riveted heads *nuts inside* Working pressure by rules *211 lbs*

stays *Steel* Diameter at smallest part *2.07 to 2.4* Area supported by each stay *77 1/2"* Working pressure by rules *241 lbs* End plates in steam space:

steel Thickness *1 3/32"* Pitch of stays *21" x 16"* How are stays secured *Nuts inside* Working pressure by rules *201 lbs* Material of stays *Steel*

smallest part *7.06* Area supported by each stay *336"* Working pressure by rules *218 lbs* Material of Front plates at bottom *Steel*

Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules

tubes *2 1/2"* Pitch of tubes *3 3/4" x 3 7/8"* Material of tube plates *steel* Thickness: Front *1 1/4"* Back *3/4"* Mean pitch of stays *11 1/4" x 7 1/4"*

s wide water spaces *13 1/2"* Working pressures by rules *203 lbs* Girders to Chamber tops: Material *Steel* Depth and

girder at centre *(8 x 3/4) x 2* Length as per rule *52 1/2"* Distance apart *82.77* Number and pitch of stays in each *1 in 6 1/4" x 8 1/2"*

ssure by rules *235 lbs* Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked

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

Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

th rings Distance between rings Working pressure by rules End plates: Thickness How stayed

ssure of end plates Area of safety valves to superheater Are they fitted with easing gear

Lloyd's Register Foundation
1165-0052

