

REPORT ON MACHINERY.

No. 13234

Port of West Hartlepool

Received at London Office 19th April 1907

No. in Survey held at West Hartlepool Date, first Survey 8th Oct, 1906 Last Survey 19th April, 1907
 Reg. Book. 6148 on the Ned Neamu Grof Serenyi Bela (Number of Visits 82)
 Master W Reay Built at West Hartlepool By whom built W King & Co When built 1907
 Engines made at West Hartlepool By whom made Central Machine Co Ltd when made 1907
 Boilers made at West Hartlepool By whom made Central Machine Co Ltd when made 1907
 Registered Horse Power _____ Owners Atlantica Tengerhajozasi Resenyi Jarsasag Pori Belonging to Siume
 Nom. Horse Power as per Section 28 292 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted No

Central 740

ENGINES, &c.—Description of Engines Triple Compound No. of Cylinders Three No. of Cranks Three
 Dia. of Cylinders 24" 40" 65" Length of Stroke 42 Revs. per minute 65 Dia. of Screw shaft 1 1/2" Material of screw shaft 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 No 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 55"
 Dia. of Tunnel shaft 1 1/2" Dia. of Crank shaft journals 12 1/2" Dia. of Crank pin 12 1/2" Size of Crank webs 19 1/2" x 7 1/2" Dia. of thrust shaft under
 collars 12 1/2" Dia. of screw 16.6" Pitch of Screw 15.3" No. of Blades 4 State whether moveable No Total surface 82 sq ft
 No. of Feed pumps Two Diameter of ditto 3 1/2" Stroke 26" Can one be overhauled while the other is at work Yes
 No. of Bilge pumps Two Diameter of ditto 4" Stroke 26" Can one be overhauled while the other is at work Yes
 No. of Donkey Engines Three Sizes of Pumps 12x10" 12x6" 6x6" No. and size of Suctions connected to both Bilge and Donkey pumps
 In Engine Room Three 3 1/2" In Holds, &c. One 3" 1 1/2"
 No. of Bilge Injections Two sizes 6 1/2" Connected to condenser, or to circulating pump Yes Is a separate Donkey Suction fitted in Engine room & size Yes 3 1/2"
 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 _____ 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 24/3/07 of Stern Tube 9/4/07 Screw shaft and Propeller 9/4/07
 Is the Screw Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from Up Staircase

BOILERS, &c.—(Letter for record S) Manufacturers of Steel J Spencer Sons
 Total Heating Surface of Boilers 4424 sq ft Is Forced Draft fitted No No. and Description of Boilers Two Single Ended
 Working Pressure 180 lb Tested by hydraulic pressure to 360 lb Date of test 5/3/07 No. of Certificate 3097
 Can each boiler be worked separately Yes Area of fire grate in each boiler 54 sq ft No. and Description of Safety Valves to
 each boiler Two Spring Area of each valve 8.29 sq in Pressure to which they are adjusted 185 lb Are they fitted with easing gear Yes
 Smallest distance between boilers or uptakes and bunkers or woodwork 17" Mean dia. of boilers 15.6" Length 10.6" Material of shell plates Steel
 Thickness 1 5/16" Range of tensile strength 27 to 30 Are the shell plates welded or flanged Both Descrip. of riveting: cir. seams _____
 long. seams double strap 3 double Diameter of rivet holes in long. seams 1 5/16" Pitch of rivets 9" Lap of plates or width of butt straps 19 1/2"
 Per centages of strength of longitudinal joint rivets 85.18% Working pressure of shell by rules 189 lb Size of manhole in shell 16 x 12"
 plate 85.4% Size of compensating ring Hanged No. and Description of Furnaces in each boiler 3 Annular Material Steel Outside diameter 44 1/2"
 Length of plain part top _____ bottom _____ Thickness of plates top _____ bottom _____ Description of longitudinal joint welded No. of strengthening rings Ribbed
 Working pressure of furnace by the rules 189 lb Combustion chamber plates: Material Steel Thickness: Sides 1 9/16" Back 1 9/16" Top 1 9/16" Bottom 1 1/4"
 Pitch of stays to ditto: Sides 8 7/16" 8 4/16" Back 9 1/16" 8 1/16" Top 9 1/16" If stays are fitted with nuts or riveted heads Multi Working pressure by rules 181 lb
 Material of stays Steel Diameter at smallest part 1 1/2" Area supported by each stay 9 1/2" x 8" Working pressure by rules 190 lb End plates in steam space:
 Material Steel Thickness 1 5/16" Pitch of stays 22 1/16" How are stays secured All nuts Working pressure by rules 180 lb Material of Front plates at bottom Steel
 Diameter at smallest part 3.16" Area supported by each stay 22 1/16" Working pressure by rules 193 lb Material of Front plates at bottom Steel
 Thickness 1" Material of Lower back plate Steel Thickness 1 5/16" Greatest pitch of stays 1 1/2" Working pressure of plate by rules 180 lb
 Diameter of tubes 3 1/2" Pitch of tubes 1 1/2" Material of tube plates Steel Thickness: Front 1" Back 1 1/16" Mean pitch of stays 9"
 Pitch across wide water spaces 14 1/16" Working pressures by rules 189 lb Girders to Chamber tops: Material Steel Depth and
 thickness of girder at centre 8 3/4" x 1 1/2" Length as per rule 29 7/8" Distance apart 8" Number and pitch of stays in each Two 9"
 Working pressure by rules 193 lb 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 _____

