

REPORT ON BOILERS.

No. 1586

Received at London Office

WEST HARTLEPOOL

pt. 5a.

When handed in at Local Office 4/11 1921. Port of West Hartlepool
 Date, First Survey 23rd Sept/19. Last Survey 31st Dec/1920
 Survey held at West Hartlepool (Number of Visits) } Gross 5321
 on the S.S. City of Glasgow. (No 897) } Net 3405
 Built at West Hartlepool By whom built Wm Gray & Co Ltd When built 1920
 By whom made Central Marine Engine Works When made 1920
 Owners Ellerman (Hall) Line Ltd Port belonging to Liverpool

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel J Spencer & Sons Ltd
 Total Heating Surface of Boilers See other report. Is forced draft fitted yes No. and Description of
 Working Pressure 225 lb Tested by hydraulic pressure to 450 lb Date of test 11.5.20
 Area of fire grate in each boiler 42.64 sq ft No. and Description of
 Area of each valve 7.066 sq ft Pressure to which they are adjusted 230 lb
 Mean dia. of boilers 13'-6" Length 12'-6"
 Thickness of shell plates Steel Thickness 1 13/32" Range of tensile strength 27/31 Are the shell plates welded or flanged yes
 Diameter of rivet holes in long. seams 1 13/32" Pitch of rivets 9 3/8"
 Working pressure of shell by plate 85%

No. and Description of Furnaces in each
 Size of manhole in shell 16" x 20" Size of compensating ring 2'-8 1/2" x 3'-0 1/2" x 1 1/32"
 Outside diameter 4'-2" Length of plain part 4'-2" Thickness of plates 1 1/16"
 Working pressure of furnace by the rules 226.5 Combustion chamber
 Material Steel Thickness: Sides 23/32" Back 23/32" Top 23/32" Bottom 1" Pitch of stays to ditto: Sides 8 5/8" x 9" Back 8 1/4" x 9 1/4"
 Working pressure by rules 229 Material of stays Steel Diameter at smallest part 6.65"

Material of Front plates at bottom Steel Thickness 1 1/16" Material of
 Working pressure of plate by rules 237 Diameter of tubes 2 1/2"
 Material of tube plates Steel Thickness: Front 1 1/16" Back 1 3/16" Mean pitch of stays 11 1/4" x 7 1/2" Pitch across wide
 Working pressures by rules 225 Girders to Chamber tops: Material Steel Depth and thickness of
 Distance apart 8 5/8" Number and pitch of Stays in each Three 9"
 Working pressure by rules 226 Superheater or Steam chest; how connected to boiler None 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 ✓
 Working pressure by rules ✓ End plates: Thickness ✓ How stayed ✓
 Area of safety valves to superheater ✓ Are they fitted with easing gear ✓

FOR THE CENTRAL MARINE ENGINE WORKS,
 The foregoing is a correct description,
 R.D. Shilston, Manufacturer.
 MANAGING DIRECTOR, C.M.E.W.

Is the approved plan of boiler forwarded herewith yes
 Total No. of visits

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
The three boilers are all considered to be main boilers, but super heaters are fitted to the large wing boilers only.

Survey Fee ... £ ✓ : When applied for, 191
 Travelling Expenses (if any) £ ✓ : When received, 191

R.D. Shilston
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. JAN. 11 1921
 Assigned