

# REPORT ON BOILERS.

No. 15169.

Received at London Office **TUE 26 OCT 1915**

Date of writing Report 22<sup>nd</sup> Oct 1915 When handed in at Local Office 25/10/15 Port of West Hartlepool

Survey held at West Hartlepool Date, First Survey 26<sup>th</sup> July Last Survey 17<sup>th</sup> Oct 1915

No. in Reg. Book. 5.5. SPIRAL (Number of Visits 40) Tons { Gross  
Net

on the S.S. SPIRAL

Master \_\_\_\_\_ Built at \_\_\_\_\_ By whom built \_\_\_\_\_ When built \_\_\_\_\_

Boilers made at \_\_\_\_\_ By whom made \_\_\_\_\_ When made \_\_\_\_\_

Owners Casper Edgar & Co (Lugs) Minnie 55 & L. Port belonging to \_\_\_\_\_

**VERTICAL DONKEY BOILER** No. \_\_\_\_\_ Description Vertical (erect) Manufacturers of steel \_\_\_\_\_

Made at Christiansburg By whom made Nylands Værksted When made 1906 Where fixed Stokkelund Working pressure 80<sup>th</sup>

tested by hydraulic pressure to 160<sup>th</sup> Date of test 16/10/15 No. of Certificate 2 Fire grate area 23.5<sup>sq</sup> ft Description of safety valves Direct spring

No. of safety valves one Area of each 9.60 Pressure to which they are adjusted 80<sup>th</sup> If fitted with easing gear yes If steam from main boilers can enter the donkey boiler no

Dia. of donkey boiler 4'-0" Length 12'-0" Material of shell plates steel Thickness 7/16" Range of tensile strength \_\_\_\_\_

Descrip. of riveting long. seams lap & R. Dia. of rivet holes 3/32" Whether punched or drilled \_\_\_\_\_ Pitch of rivets 2 3/8"

Lap of plating 3 1/8" Per centage of strength of joint \_\_\_\_\_ Rivets 72.5 Working pressure of shell by rules 80<sup>th</sup> Thickness of shell crown plates 4/16"

Radius of do. 7'-0" No. of Stays to do. five Dia. of stays 2 3/8" Diameter of furnace Top 5'-11 3/4" Bottom 5'-11 3/4" Length of furnace 6'-6"

Thickness of furnace plates 5/8" Description of joint lap & R. Working pressure of furnace by rules 84<sup>th</sup> Thickness of furnace crown plates 3/4"

Radius of do. 4'-11" Stayed by crank stays Diameter of uptake 20" Thickness of uptake plates 1/2"

Thickness of water tubes 3/8"

The foregoing is a correct description.

W. H. H. H. Manufacturer.

Dates { During progress of work in shops - - -  
of Survey { During erection on board vessel - - -  
while building { Total No. of visits \_\_\_\_\_

Is the approved plan of boiler forwarded herewith yes

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.)

This Donkey Boiler has been efficiently repaired & tested by Hydraulic pressure to 160<sup>th</sup> per sq. inch & all the mountings tested to 400<sup>th</sup> per sq. inch together with its steam pipe to deck & has been well secured on board & its safety Valve adjusted under steam to 80<sup>th</sup> pressure & Easing gear fitted, rendering this vessel eligible in our opinion to have the record of DONKEY BOILER Examined 10/15 80<sup>th</sup> in the Register Book.

Survey Fee ... £ \_\_\_\_\_ When applied for, ... 19 \_\_\_\_\_

Travelling Expenses (if any) £ \_\_\_\_\_ When received, ... 19 \_\_\_\_\_

W. H. H. H.  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute FRI. 29 OCT. 1915

Assigned \_\_\_\_\_