

MON 14 MAY 1917

N.Y. No 1165-

# REPORT ON BOILERS.

No. 2743

No 2473.

REC'D NEW YORK

April 24 1917

Received at London Office

Date of writing Report 2-12-1916 When handed in at Local Office 12-12-1916 Port of Philadelphia.

No. in Reg. Book. Survey held at East Stroudsburg, Pa. Date, First Survey 22-11-16. Last Survey 1-12-1916.  
(NEW) on the Donkey boiler for Newport News S B Co. SS N° 200. IS "DELTA" Tons { Gross Net  
Master N.A. VIELSEN 1917 Built at Newport News. By whom built Newport News S B Co. When built 1917-4  
Boilers made at Newport News By whom made Newport News S B Co When made 1917  
Owners NELSON S S LINES Port belonging to New York

VERTICAL DONKEY BOILER— No. 109 Description Vertical Manufacturers of steel Lukens, Coatesville, Pa.  
Made at Stroudsburg By whom made International Boiler Wks. When made 1916. Where fixed Stockhold Working pressure 120.  
tested by hydraulic pressure to 180 Date of test 1-12-16 No. of Certificate 109 Fire grate area 4.3 Description of safety valves Spring  
No. of safety valves 1 Area of each 3.14 Pressure to which they are adjusted 120 If fitted with easing gear 46 If steam from main boilers can enter the donkey boiler No Dia. of donkey boiler 34 1/8 Length 48 Material of shell plates S Thickness 5/16 Range of tensile strength 28/32 Descrip. of riveting long. seams D R L Dia. of rivet holes 3/4 Whether punched or drilled d Pitch of rivets 2 3/4  
Lap of plating 3 7/8 Per centage of strength of joint Rivets 100 Plates 48 Working pressure of shell by rules 130 Thickness of shell crown plates 1/2  
Radius of do. No. of tubes to do. 60. Dia. of tubes 2 Diameter of furnace Top and Bottom 28 7/8 Length of furnace 23 1/2  
Thickness of furnace plates 3/8. Description of joint S L Working pressure of furnace by rules 154. Thickness of furnace crown plates 7/16. Radius of do. Flat Stayed by 60-2 tubes Diameter of uptake Thickness of uptake plates  
Thickness of water tubes

The foregoing is a correct description,  
The International Boiler Works Co Manufacturer.  
for Geo. W. Watts

Dates of Survey while building { During progress of work in shops - 22-11-16. 1-12-16.  
During erection on board vessel - 16.4.17  
Total No. of visits 3

Is the approved plan of boiler forwarded herewith Yes.

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

This boiler has been constructed under special survey and in accordance with the approved plan.

The materials and workmanship are good.

The boiler has been forwarded to Newport News, Va. to be fitted on board the vessel.

The boiler has been installed and safety valves adjusted under steam as above, rendering the vessel eligible, in my opinion to have the record I.B. 1214.

Survey Fee ... .. \$25.00. : When applied for, 12-12-1916.  
Travelling Expenses (if any) \$6.55 : When received, 18.1.1917

W. H. Madden

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute New York APR 26 1917

Assigned

See other report