

REPORT ON BOILERS.

No. 1588

TUE. 20 AUG. 1918

REC'D NEW YORK

Received at London Office

Writing Report July 18th 1918 When handed in at Local Office July 19th 1918 Port of Newport News
No. in Survey held at Newport News Date, First Survey Dec 14th 1917 Last Survey July 12th 1918
g. Book. 66 on the STEEL S.S. "H.M. FLAGLER" (Number of Visits 61) Gross 8207 Tons Net 6183.
ster Built at Newport News By whom built Newport News S.B. & D. Co When built 1918-7
gines made at Newport News By whom made Newport News S.B. & D. Co When made 1918
lers made at Newport News By whom made Newport News S.B. & D. Co When made 1918
istered Horse Power 533 Owners Standard Oil Co & N.Y. Port belonging to Bayonne

ULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel LUKENS 10 S Co

atter for record S. Total Heating Surface of Boilers 12234 Is forced draft fitted No No. and Description of
lers One S.E. Scotch Working Pressure 180 Tested by hydraulic pressure to 270 Date of test Feb 21
of Certificate 191 Can each boiler be worked separately Yes Area of fire grate in each boiler 394 No. and Description of
ety valves to each boiler Two 2 1/2" Spring Area of each valve 4.90 Pressure to which they are adjusted 180
e they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No
allest distance between boilers or uptakes and bunkers or woodwork 20" Mean dia. of boilers 10' 11" Length 10' 10 1/2"
aterial of shell plates S. Thickness 3 1/2" Range of tensile strength 28-32 Are the shell plates welded or flanged No
scrip. of riveting: cir. seams L.D.R. long. seams I.B.S.T.A. Diameter of rivet holes in long. seams 1 3/8" Pitch of rivets 6 3/8"
of plates or width of butt straps 17 3/4" Per centages of strength of longitudinal joint rivets 103 plate 81.3 Working pressure of shell by
es 184 Size of manhole in shell 16" x 12" Size of compensating ring 38 x 34 No. and Description of Furnaces in each
ler 2 Morrison Material S. Outside diameter 43 7/8" Length of plain part top ✓ Thickness of plates crown 1 7/8" bottom 1 3/2"
scription of longitudinal joint Weld No. of strengthening rings ✓ Working pressure of furnace by the rules 190 Combustion chamber
tes: Material S. Thickness: Sides 9/16 Back 9/16 Top 9/16 Bottom 7/8 Pitch of stays to ditto: Sides 7 1/2 x 7 1/2 Back 7 1/2 x 7 1/2
4. p 7 1/2 x 7 If stays fitted with nuts or riveted heads Nuts Working pressure by rules 194 Material of stays STEEL Area at
4.4.allest part 148 Area supported by each stay 56 Working pressure by rules 210 End plates in steam space: Material S. Thickness 3 1/2"
ch of stays 4 x 14 How are stays secured I.N. Working pressure by rules 188 Material of stays S. Area at smallest part 24"
ea supported by each stay 194 Working pressure by rules 211 Material of Front plates at bottom S. Thickness 3/4 Material of
wer back plate S. Thickness 3/4 Greatest pitch of stays 7 1/2 x 7 1/2 Working pressure of plate by rules 326 Diameter of tubes 2 3/4
ch of tubes 4 x 3 3/4 Material of tube plates S. Thickness: Front 3/4 Back 3/4 Mean pitch of stays 9 3/4 Pitch across wide
ter spaces 12 3/4 Working pressures by rules 212 Girders to Chamber tops: Material S. Depth and thickness of
der at centre 4 x 9 3/4 Length as per rule 33" Distance apart 7" Number and pitch of Stays in each 3-7 1/2"
orking pressure by rules 204 Steam dome: description of joint to shell None % of strength of joint
iameter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
ch of rivets Working pressure of shell by rules Crown plates Thickness How stayed
PERHEATER. Type ✓ Date of Approval of Plan Tested by Hydraulic Pressure to
e of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
meter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

VERTICAL DONKEY BOILER—No. ✓ Description Manufacturers of steel

chle at By whom made When made Where fixed Working pressure
led by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves
of safety valves Area of each Pressure to which they are adjusted If fitted with easing gear If steam from main boilers can
r the donkey boiler Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile
ngth Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets
of plating Per centage of strength of joint Rivets Working pressure of shell by rules Thickness of shell crown plates
lius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace
ckness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown
es Radius of do. Stayed by Diameter of uptake Thickness of uptake plates
ckness of water tubes

Newport News foregoing is a correct description,

By

Assistant to the President

Dec 14th 1917 Jan. 3rd 1918 July 6th 1918
July 12th 1918

Is the approved plan of main boiler forwarded herewith

" donkey "

Lloyd's Register Foundation

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

The boiler has been built in accordance with the approved plan and rules for the intended pressure 180 lbs. The workmanship & materials are good and under the vessel capable to have the U.B. 180 lbs. in the Register Book.

Certificate (if required) to be sent to

The amount of Entry Fee .. £ : : When applied for,
 Special .. £ : :
 Donkey Boiler Fee .. £ : : When received,
 Travelling Expenses (if any) £ : :

Committee's Minute New York JUL 30 1918

Assigned See other report

W. H. Depressden
 Engineer Surveyor to Lloyd's Register of Shipping