

REPORT ON BOILERS.

No. 27182

1 FEB 1927

Received at London Office

Date of writing Report *Jan 14 1927* When handed in at Local Office *Jan 14 1927* Port of *New York*
 No. in Survey held at *Kearny h.f.* Date, First Survey *15 July 25* Last Survey *1st Dec. 1926*
 Reg. Book. *486* on the *STS "E.T. BEDFORD"* (Number of Visits *2*) Gross Tons *Not*
 Master *Kearny h.f.* Built at *Kearny h.f.* By whom built *Federal Sp & D Co* When built *1921-6.*
 Boilers made at *Kearny h.f.* By whom made *Federal Sp & D Co* When made *1926*
 Owners *Standard Oil Co (New Jersey)* Port belonging to *New York*

HEATING DONKEY BOILER No. *482* Description *Vertical Fire Tube* Manufacturers of steel *Carnegie Steel Co*
 Made at *Kearny h.f.* By whom made *Federal Sp & D Co* When made *1926* Where fixed *Engine Room Port Side* Working pressure *100 lb*
 Tested by hydraulic pressure to *200* Date of test *1-13-26* No. of Certificate *482A* Fire grate area *12.7* Description of safety valves *single*
 No. of safety valves *1-2* Area of each *3.14* Pressure to which they are adjusted *100* If fitted with easing gear If steam from main boilers can enter the donkey boiler
 Dia. of donkey boiler *4'7"* Length *9'2 1/2"* Material of shell plates *OH Steel* Thickness *400* Range of tensile strength *68740* Descrip. of riveting long. seams *DR LAP* Dia. of rivet holes *13/16"* Whether punched or drilled *drilled* Pitch of rivets *2 1/2"*
 Gap of plating *4"* Per centage of strength of joint Rivets *91* Working pressure of shell by rules *118 lb* Thickness of shell crown plates *5"*
 Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top *3'-7"* Bottom *3'-11"* Length of furnace *4'-0"*
 Thickness of furnace plates *1/2"* Description of joint *SR Lap* Working pressure of furnace by rules *100.5* Thickness of furnace crown plates *1/2"* Radius of do. Stayed by *tubes* Diameter of uptake *16"* Thickness of uptake plates *#8 USSG*
 Thickness of ~~fire~~ tubes *11 B.H.G.*

The foregoing is a correct description,
Federal Sp & D Co Manufacturer.
W. H. Muller Supt. Machinery

Dates of Survey while building
 During progress of work in shops - *1925 - July 15*
 During erection on board vessel - *1926 - Dec. 1st*
 Total No. of visits *2*

Is the approved plan of boiler forwarded herewith *Yes*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)
The workmanship and material are both of good quality.
This boiler has been erected on board and mountings fitted satisfactory.
Tested by hydraulic pressure and found satisfactory.
Safety valve adjusted under steam to blow freely at 100 lb SWP.

Survey Fee *\$45.00* : : When applied for, *21 Jan 27* 1927
 Travelling Expenses (if any) £ : : When received, 19

Alexander Mac Watt
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute *NEW YORK JAN 19 1927*
 Assigned *+ NDB 12.26*

Steam Pressure *100 lb 17"*

