

Are the stays drilled at the outer ends NO ✓ Margin stays: Diameter { At turned off part, 1 1/8 ✓ or Over threads

No. of threads per inch 9 ✓

Tubes: Material L.W. Steel External diameter { Plain 3" Stay 3" Thickness { 8 W.G. 3/8" - 7/16" No. of threads per inch 9

Pitch of tubes 4 1/4 x 4 3/8 ✓ Manhole compensation: Size of opening in shell plate None. Section of compensating ring _____ No. of rivets and diameter of rivet holes _____

Outer row rivet pitch at ends _____ Depth of flange if manhole flanged _____ Steam Dome: Material _____

Tensile strength _____ Thickness of shell _____ Description of longitudinal joint _____

Diameter of rivet holes _____ Pitch of rivets _____ Percentage of strength of joint { Plate Rivets

Internal diameter _____ Thickness of crown _____ No. and diameter of stays _____ Inner radius of crown _____

How connected to shell _____ Size of doubling plate under dome _____ Diameter of rivet holes and pitch of rivets in outer row in dome connection to shell _____

Type of Superheater Smoke tube type Manufacturers of { Tubes Stewarts & Lloyds Steel forgings Appleby Products & Steel Co Steel castings

Number of elements 177 Material of tubes S.W. Steel Internal diameter and thickness of tubes 15 MM 2 1/2 MM

Material of headers Forged Steel Tensile strength 26-30 Thickness 1 1/8" Can the superheater be shut off and the boiler be worked separately yes Is a safety valve fitted to every part of the superheater which can be shut off from the boiler yes

Area of each safety valve 3.14 Are the safety valves fitted with easing gear yes

Pressure to which the safety valves are adjusted 225 lbs Hydraulic test pressure: tubes 1500 lbs forgings and castings 660 lbs and after assembly in place 440 lbs Are drain cocks or valves fitted to free the superheater from water where necessary yes

Have all the requirements of Sections 14 to 22 inclusive for boilers been complied with yes

THE NORTH EASTERN MARINE ENGINEERING CO. (1938) LTD.
The foregoing is a correct description,
John Nell Manufacturer.
DIRECTOR

Dates of Survey { During progress of work in shops - - } See machy Rpt. Are the approved plans of boiler and superheater forwarded herewith (If not state date of approval.) _____

while building { During erection on board vessel - - } _____ Total No. of visits _____

Is this Boiler a duplicate of a previous case yes. If so, state Vessel's name and Report No. Empire Eudoy Nave 100961

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers & Superheaters have been constructed under Special Survey in accordance with the approved Plans the Requirements of the Rules & the Specification

The materials & workmanship are good & the boilers proved sound & tight under hydraulic test & satisfactory under working conditions

Survey Fee £ See Machy Rpt. : When applied for, 19

Travelling Expenses (if any) £ See Machy Rpt. : When received, 19

Re Moffatt
Engineer Surveyor, Lloyd's Register of Shipping.

Committee's Minute TUES. 25 MAY 1943

Assigned See fe. machy rpt.

