

REPORT ON BOILERS.

No. 7813H

17 JAN 1952

Received at London Office

Date of writing Report 12.1.1952 When handed in at Local Office 12.1.1952 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 6th Sept. 1951 Last Survey 30th December 1951
 J. Book on the M.S. "KIRSTEN SKOU" (Number of Visits 14.) Tons { Gross Net
 Built at EL SINORE By whom built EL SINORE SHIPBUILDING & ENG. CO. LTD. Yard No. 308 When built
 Boilers made at ANNAN By whom made COCHRAN & CO. ANNAN, LTD. Boiler No. 17952 When made 1951
 Port belonging to

and VERTICAL DONKEY BOILER— No. one Description multitubular Manufacturers of steel Colvilles Ltd.
 Made at Annan By whom made Cochran & Co., Annan, Ltd. When made 1951 Where fixed - Working pressure 105 lbs.
 Tested by hydraulic pressure to 208 lbs. Date of test 20.12.51 No. of Certificate 23577 Fire grate area OF Description of safety valves double spring
 No. of safety valves 2 Area of each 3.14 sq. in. Pressure to which they are adjusted - If fitted with easing gear Yes If steam from main boilers can
 Enter the donkey boiler - Diameter of donkey boiler 5'-3" Length 13'-6" Material of shell plates steel Thickness $\frac{1}{2}$ ", 13/32"
 Range of tensile strength 28-32 tons Description of riveting long. seams D.R. Lap Diameter of rivet holes 25/32" Whether punched or
 Rivets 72.45 Drilled Pitch of rivets 2.67" 2.5" 2.59" Lap of plating 3.7" Per centage of strength of joint Working pressure of shell by
 Plates 69.8 lbs 117.7 lbs Thickness of shell crown plates 11/16" Radius of do. 2'-7 $\frac{1}{2}$ " No. of stays to do. none Diameter of stays - Diameter of
 Furnace—Top - Bottom 4'-6" Length of furnace - Thickness of furnace side plates $\frac{1}{2}$ " Description of joint seamless Working
 Pressure of furnace by rules 153 lbs Thickness of Ogee ring 11/16" Working pressure of Ogee ring by rules 108.9 lbs Thickness of furnace
 Crown plates $\frac{1}{2}$ " Radius of do. 2'-3" Stayed by hemisphere Diameter of uptake 13 $\frac{1}{2}$ " x 16 $\frac{1}{4}$ " Thickness of uptake
 Plates $\frac{1}{2}$ " Thickness of tube plates front 11/16" back 9/16" Mean pitch of stay tubes in nest as appvd. Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT 2.11/16" BACK 2.9/16" Working pressure of tube plates by rules F. 105.7 lbs. B. 110.2 lbs. Tubes: Material steel
 External diameter } 2 $\frac{1}{2}$ " Thickness } 11/32" No. of threads per inch 9 Pitch of Tubes 3.11/16" x 4"
 plain } 10 LSG
 Working pressure by rules 175 lbs Manhole compensation; Size of opening in shell plate 21" x 17" Section of compensating
 7" x 1" No. of rivets and diameter of rivet holes 40 of 25/32" Outer row pitch at ends 4.17"

The foregoing is a correct description, *gmb*
 E.A.R. Manufacturer.

Dates During progress of (1951) Sept. 6-14-25 Oct. 4-11-14-23 Nov. 1-7-15-27 Dec. 11-13-26 Drawing No. 37357
 Survey while building During erection on board vessel -
 Total No. of visits 14 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 in accordance with the Society's Rules and approved plans; the materials
 and workmanship are good.

Survey Fee ... £ 10 : - : - When applied for *Ann. A/c.* 19
 Travelling Expenses (if any) £ : : When received 19

Committee's Minute

GLASGOW 15 JAN 1952

Assigned

Deferred for completion

Engineer Surveyor to Lloyd's Register of Shipping.

TUES. 10 FEB 1953

003147-003153-0238