

REPORT ON BOILERS.

No. 50973

Received at London Office 5 NOV 1930

16/1 31/ When handed in at Local Office 29. 10. 1930 Port of GLASGOW
 Date of reporting Report
 No. in Survey held at Annan & Odense Date, First Survey 10. 10. 30 Last Survey 24th October 1930
 Reg. Book. Boiler N^o 11842 / M^{rs} NIEL HÆRSK. (Number of Visits 3) Tons { Gross 3086.02
 1726 on the Net 3168.22
 Master Built at Odense By whom built Odense Skalskibsværft When built 1930
 Boiler made at Annan By whom made Messrs Cochran & Co. Annan L^d When made 1930
 Owners 2 1/2 Sverdrup of 1912 1/4 (A. P. Miller) Port belonging to Sveinborg.

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel The Steel Co of Scotland
 Made at Annan By whom made Cochran & Co. Annan L^d When made 1930 Where fixed in the motor room Working pressure 100
 tested by hydraulic pressure to 200 Date of test 24-10-30 No. of Certificate 18860 Fire grate area 100 lbs 12" Description of safety valves Enclosed spring
 No. of safety valves 2 Area of each 3.14" Pressure to which they are adjusted 100 lbs 12" If fitted with easing gear yes If steam from main boilers can
 enter the donkey boiler No main boilers. Diameter of donkey boiler 5'-0" Length 11'-3" Material of shell plates Steel Thickness 13/32, 15/32, 13/32
 Range of tensile strength 28'-32" Description of riveting long. seams D.R. Lap. Diameter of rivet holes 25/32 Whether punched or
 drilled drilled Pitch of rivets 2-6 1/4, 2-6 08, 2-4 25 Lap of plating 3 7/8 Per centage of strength of joint 74.15 Working pressure of shell by
 rules 119.9 Thickness of shell crown plates 2 1/32, 3 7/8 Radius of do. 2'-6" No. of stays to do. r Diameter of stays r Diameter of
 furnace—Top r Bottom 4'-3" Length of furnace r Thickness of furnace side plates r Description of joint r Working
 pressure of furnace by rules 162 Thickness of Ogee ring 2 1/32 Working pressure of Ogee ring by rules 103.7 Thickness of furnace
 crown plates 1/2 Radius of do. 2'-1 1/2" Stayed by Hemisphere Diameter of uptake 13" X 19 1/2" Thickness of uptake
 plates 1/2 Thickness of tube plates front 2 1/32, back 17/32 Mean pitch of stay tubes in nest 9.43 Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT stay 2 1/16 BACK stay 2 1/2 Working pressure of tube plates by rules 13.112.8 Tubes: Material Wrought Iron
 External diameter stay 2 1/2 Thickness stay 1 1/32 No. of threads per inch 9 Pitch of tubes 3 5/8 X 4"
 Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16" X 12" Section of compensating
 ring 6" X 5/8 No. of rivets and diameter of rivet holes 36 off: 25/32 Outer row pitch at ends 3 5/8

The foregoing is a correct description,
 For COCHRAN & CO., ANNAN, LIMITED.

Walter Beattie
 Works Manager.

Drawing No. 18384

Dates of Survey while building
 During progress of work in shops— 1930 Oct 10-15-24
 During erection on board vessel— 24/11-8/12-19/12-22/12.1930 & 5/1-6/1-13/1, 1931
 Total No. of visits 3 + 7.

Is the approved plan of boiler forwarded herewith Yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under survey, in accordance with the Rules and approved plan.

The materials and workmanship are good.

This boiler has been built to the order of Messrs Odense Skalskibsværft, and is intended for their ship N^o 38.

The donkey boiler has been fitted on board the vessel under my supervision and to my satisfaction and the safety valves have adjusted under steam to 100 lbs. per sq. in.
For feeding purposes a duplex feed pump, 115 x 70 x 100 mm, and a feed injector have been fitted and connected to the boiler.

Recommend the vessel to have installation of D.B. 100 lb. in the Register Book.

Chisholm

SURVEYOR TO LLOYD'S
 REGISTER OF SHIPPING

Survey Fee ... £ 4 : 4 :
 Travelling Expenses (if any) £ :

When applied for 19
 When received 19

MONTHLY ACCOUNT

Committee's Minute GLASGOW 4 - NOV 1930

Assigned TRANSMIT TO LONDON

See 6pm. J.C. 8420
 Engineer, Surveyor to Lloyd's Register of Shipping.

FRI. 30 JAN 1931