

REPORT ON BOILERS.

No. 51220

Received at London Office 12 FEB 1931

Date of writing Report

When handed in at Local Office

9. 2. 1931 Port of Glasgow

No. in Reg. Book. 88929

Survey held at Glasgow on the *Swan Low M.V. Worcestershire*

Date, First Survey 23. 10. 29 Last Survey 6. 2. 31

(Number of Visits 154) Tons { Gross 11453. Net 4161.

Master Built at Glasgow By whom built *Langfield & Co. Eng. Co. Ltd.* When built 1931

Boilers made at - By whom made - When made -

Owners *Bithy & Co. Ltd.* Port belonging to -

Air Recaim
VERTICAL DONKEY BOILER No. *out.* Description - Manufacturers of steel *D. Bobillie & Sons Ltd.*

Made at *Glasgow* By whom made *Langfield & Co. Eng. Co. Ltd.* When made 1930 Where fixed *Eng. Room* Working pressure 350 lb.

tested by hydraulic pressure to *5 1/2 lb.* Date of test *1.5.30.* No. of Certificate *18120* Fire grate area - Description of safety valves *Direct Spring*

No. of safety valves *one* Area of each *1.77 sq. ft.* Pressure to which they are adjusted *350 lb.* If fitted with easing gear *No.* If steam from main boilers can enter the donkey boiler - Diameter of *donkey boiler* *69"* Length *15'-7 1/2"* Material of shell plates *S* Thickness *15/16"*

Range of tensile strength *28-37 tons* Description of riveting long. seams *DRS. TR.* Diameter of rivet holes *15/16"* Whether punched or drilled *drilled* Pitch of rivets *1 5/8"* Lap of plating - Per centage of strength of joint Rivets *90* Working pressure of shell by Plates *86*

rules *356 lb.* Thickness of *shell crown* plates *1 3/4" & 1 5/8"* Radius of do. *39"* No. of stays to do. - Diameter of stays - Diameter of furnace - Top - Bottom - Length of furnace - Thickness of furnace side plates - Description of joint - Working pressure of furnace by rules - Thickness of Ogee ring - Working pressure of Ogee ring by rules - Thickness of furnace crown plates - Radius of do. - Stayed by - Diameter of uptake - Thickness of uptake plates - Thickness of tube plates front - back - Mean pitch of stay tubes in nest - Pitch in outer vertical rows -

Diameter of tube holes FRONT *stay* - BACK *stay* - Working pressure of tube plates by rules - Tubes: Material -

External diameter *stay* - Thickness *stay* - No. of threads per inch - Pitch of tubes -

Working pressure by rules - Manhole compensation; Size of opening in shell plate - Section of compensating ring - No. of rivets and diameter of rivet holes - Outer row pitch at ends -

The foregoing is a correct description,

Manufacturer.

Drawing No.

Dates of Survey while building { During progress of work in shops - - During erection on board vessel - - Total No. of visits

SEE ACCOMPANYING MACHINERY REPORT.

Is the approved plan of *Recaim* boiler forwarded herewith *Yes*

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

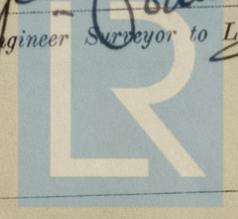
This Air Recaim has been built under special Survey and in accordance with the Rules. The materials & workmanship are good. It has been efficiently secured in position on board.

Survey Fee ... £ : : } When applied for 19
Travelling Expenses (if any) £ : : } When received 19

John Adams
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 11 FEB 1931

Assigned SEE ACCOMPANYING MACHINERY REPORT.



Lloyd's Register Foundation

003154-003161-0136

Certificate (if required) to be sent to the Registrar of Shipping (The Surveyors are requested not to write on or below the space for Committee's Minutes.)