

REPORT ON BOILERS.

No. 49284

Received at London Office 5 JUN 1929

Writing Report 19 When handed in at Local Office 29. 5. 19 29 Port of *Glasgow*
 Survey held at *Annan* Date, First Survey 26. 4. 29 Last Survey 24. 5. 19 29
 on the *BOILER No 11130.* (Number of Visits 5) Gross Tons Net
 Built at *Annan* By whom built *Messrs. Cochran & Co. Annan Ltd.* When built 1929
 made at *Annan* By whom made *Messrs. Cochran & Co. Annan Ltd.* When made 1929
 Port belonging to

VERTICAL DONKEY BOILER— No. *One* Description *Vertical* Manufacturers of steel *J. Colville & Sons Ltd.*
 at *Annan* By whom made *Cochran & Co. Annan Ltd.* When made 1929 Where fixed Working pressure 100.
 by hydraulic pressure to 200. Date of test 24. 5. 29. No. of Certificate 8308. Fire grate area 114. Description of safety valves *Encl. & spring*
 safety valves *Two* Area of each 3.14 Pressure to which they are adjusted If fitted with easing gear *Yes* If steam from main boilers can
 be donkey boiler *No* Diameter of donkey boiler 4. 9 Length 11. 9. Material of shell plates *Steel* Thickness 3/8, 7/16, 3/8
 of tensile strength 28-32. Description of riveting long. seams *D.R. lap* Diameter of rivet holes 23/32 Whether punched or
 drilled Pitch of rivets 2.385, 2.333, 2.468 Lap of plating 3 3/4 Per centage of strength of joint Rivets 72. Plates 69.4 Working pressure of shell by
 117.2. Thickness of shell crown plates 1/2 Radius of do. 2. 4 1/2 No. of stays to do. Diameter of stays Diameter of
 pressure—Top Bottom 4. 0 Length of furnace 2. 10 Thickness of furnace side plates Description of joint Working
 test of furnace by rules 172. Thickness of Ogee ring 4/64 Working pressure of Ogee ring by rules 103.8. Thickness of furnace
 or calclates 3/4 Radius of do. 2. 0 Stayed by *Hemisphere* Diameter of uptake 11 x 16 3/4 Thickness of uptake
 1/2 Thickness of tube plates front 3/4 back 5/8 Mean pitch of stay tubes in nest 9.098 Pitch in outer vertical rows 7.322
 of tube holes FRONT stay 2 1/16 BACK stay 2 1/2 Working pressure of tube plates by rules B. 110.8 Tubes: Material *Woot iron*
 diameter stay 2 1/2 plain 2 3/4 Thickness stay 1 1/32 plain 1 1/2 S.G. No. of threads per inch 9 Pitch of tubes 3 7/8 x 3.661
 pressure by rules 125. Manhole compensation: Size of opening in shell plate 16 x 12 Section of compensating
 6 x 8 No. of rivets and diameter of rivet holes 36 off. 27/32 Outer row pitch at ends 3 5/8

The foregoing is a correct description,

For COCHRAN & CO., ANNAN, LIMITED Manufacturer.
J. E. Woodham

During progress of work in shops 1929 Apr 26 May 3. 10. 20. 24

Drawing No. 14122.

During erection on board vessel

Total No. of visits 5

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 in accordance with the Rules and approved plan. Materials and workmanship are good. Boiler has been made to the order of Messrs. C. H. Hunter & Co. London and is intended for export to Japan.

MONTHLY ACCOUNT

Survey Fee ... £ 4 : 4 : When applied for 19
 Travelling Expenses (if any) £ : : When received 19

Committee's Minute GLASGOW 4 JUN 1929
 Signed TRANSMIT TO LONDON

WED. 8 APR 1930
 TUE. 13 MAY 1930
John D. Macdonald 2020
 Engineer Surveyor to Lloyd's Register of Shipping.
 TUE. 29 APR 1930
 See *Kob* 7 E 6899
 FRI. 17 APR 1930 TUE. 28 OCT 1930

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