

REPORT ON BOILERS.

4pt. No. 13717

No. 27665.

WED. 28 APR 1909

Date of writing Report *April 23rd 1909* When handed in at Local Office *24/4/1909* Port of *Glasgow*
 No. in Survey held at *Annan* Date, First Survey *19th Feb 1909* Last Survey *23rd April 1909*
 Reg. Book. *3* *Supp on the* *Boiler for the S.S. "Broomhill" (Irvine & Coys Ltd)* (Number of Visits *4*) Gross *1392.09*
S. Wright Built at *West Hartlepool* By whom built *Irvine S.B. & D.D. Co. Ltd* Tons Net *843.09*
 Boilers made at *Hartlepool* By whom made *Richardsons Westport & Co. Ltd* When built *1909*
 Owners *Broomhill Collieries Ltd.* Port belonging to *Newcastle.* When made *1909*

VERTICAL DONKEY BOILER No. *4849* Description *Becham patent* Manufacturers of steel *Wm Beardmore & Co*
 Made at *Annan* By whom made *Becham & Co Annan Ltd.* When made *1909* Where fixed *Stokehole* Working pressure *90 lbs*
 Tested by hydraulic pressure *1680 lbs* Date of test *23/4/09* No. of Certificate *9832* Fire grate area *96 sq ft* Description of safety valves *Spring loaded*
 No. of safety valves *2* Area of each *5.94 sq ft* Pressure to which they are adjusted *93 lbs* If fitted with easing gear *Yes* If steam from main boilers can enter the donkey boiler *No*
 Dia. of donkey boiler *4'-0"* Length *14'-0"* Material of shell plates *steel* Thickness *1 1/2" & 5/8"* Range of tensile strength *28-32 tons*
 Descrip. of riveting long. seams *double lap* Dia. of rivet holes *2 1/2"* Whether punched or drilled *drilled* Pitch of rivets *2 1/2" & 3 1/2"*
 Gap of plating *1/8"* Per centage of strength of joint *65%* Working pressure of shell by rules *109 lbs* Thickness of shell crown plates *15/32" & 25/32"*
 Radius of do. *3'-6"* No. of Stays to do. *four* Dia. of stays *1 1/2"* Radius of furnace Top *3'-0"* Bottom *✓* Length of furnace *3'-10 1/4"*
 Thickness of furnace plates *5/8" & 25/32" rivet* Description of joint *solid dish & rivet* Working pressure of furnace by rules *104.1 lbs* Thickness of furnace crown plates *5/8"*
 Radius of do. *3'-0"* Stayed by *hil.* Diameter of uptake *15" x 23"* Thickness of uptake plates *9/16"*
 Thickness of water tubes *plates 23/32" & 1/2"*

The foregoing is a correct description,

for COCHRAN & CO. ANNAN, LIMITED, Manufacturer.

Dates { During progress of work in shops - - } *1909. Feb. 9. March 12. 23. April 23*
 { During erection on board vessel - - - }
 while building { Total No. of visits *4.*

Is the approved plan of boiler forwarded herewith *yes.*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *This boiler has been made under survey. The material & workmanship is of good description and the Hydraulic test proved satisfactory*

DRAWING No 5616. ✓

This boiler was despatched to Irvine's S.B. Co West Hartlepool on 24/4/09.

Survey request from Mr C 90 attached

This boiler has now been efficiently secured in place.

Survey Fee ... £ 2 : 2 :

Travelling Expenses (if any) £ : :

When applied for, *Monthly apc 15/5/09*

When received, *15/5/09*

James Morrison

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

GLASGOW

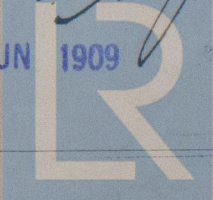
27 APR. 1909

TUES. 8 JUN 1909

FRI. 11 JUN 1909

Committee's Minute

Assigned *Transmit to London.*



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