

# REPORT ON BOILERS.

No. 60350

NOV -2 1938

Survey Report 6/10/38 When handed in at Local Office 29.10.1938 Port of Glasgow  
 Survey held at Penfrew Date, First Survey 8:12:37 Last Survey 6-10-1938  
 on the 2 Clarkson Exhaust Gas Boilers Type Begat 1200. (Number of Visits 15) Tons {Gross 27155 Net 15813  
 For M.V. DOMINION MONARCH.  
 Built at Newcastle By whom built Swan Hunter & Wigham Reids when built  
 made at Penfrew By whom made Babcock & Wilcox Ltd. When made 1938  
 Shaw Savill & Albion Co Ltd Port belonging to Southampton.

Clarkson 73/4665 Description Thimble Tube Manufacturers of steel Stobell & Son.  
 TICAL DONKEY BOILERS 73/4666 By whom made Babcock & Wilcox When made 1938 Where fixed Working pressure 100 lb.  
 Penfrew. Date of test 28.9.38 No. of Certificate 20264 Fire grate area Description of safety valve Double spring  
 y hydraulic pressure 200 lb. Area of each 7.06 sq. ft. Pressure to which they are adjusted 20275. If fitted with easing gear If steam from main boilers can  
 safety valves 2 Diameter of donkey boiler 8'-2 1/8" Length 17'-6" Material of shell plates Steel Thickness 1/2"  
 be donkey boiler Description of riveting long. seams DR-DBS. Diameter of rivet holes 27/32" Whether punched or  
 of tensile strength 28/32 Ton Pitch of rivets 3 1/4" Lap of plating - Per centage of strength of joint Rivets 106 Working pressure of shell by  
 drilled 107 lb. Thickness of shell crown plates 3/4" Radius of do. 6'-0" No. of stays to do. Uptake 73.7 Diameter of stays  
 e-Top Bottom Length of furnace Thickness of furnace side plates Description of joint Working  
 re of furnace by rules Thickness of Ogee ring 3/4" Working pressure of Ogee ring by rules 100 lb. Thickness of furnace  
 plates 21/32" Radius of do. 4'-6" Stayed by 2'-10 7/8" Diameter of uptake 2'-10 7/8" Thickness of uptake  
 9/16" Thickness of tube plates front 13/8" Mean pitch of stay tubes in nest Thimble Tube Tube plate seam welded and  
 back 13/8" Pitch in outer vertical rows annealed.  
 ter of tube holes FRONT stay 4" BACK stay - Working pressure of tube plates by rules 100 lb. Tubes: Material S.D.S.  
 plain 4" Thickness stay 9 gauge No. of threads per inch Pitch of tubes H.P. 6.765"  
 al diameter plain 4" Thickness stay 9 gauge No. of threads per inch Pitch of tubes V.P. 4.375"  
 ng pressure by rules 100 lb. Manhole compensation: Size of opening in shell plate end 16"x12" Section of compensating  
 1/2"x9 1/2"x 7/8 No. of rivets and diameter of rivet holes 8 @ 21/32" Outer row pitch at ends Even pitch.  
 handholes.

The foregoing is a correct description,

Babcock & Wilcox, Ltd. Manufacturer.

During progress of work in shops - 1937 Dec: 8 (1938) Mar: 10.22 Apr: 1.5.19 May: 2.11 Drawing No. 3832.  
 During erection on board vessel - June: 17.21 Sep: 2.8.14.28 Oct: 5  
 Total No. of visits 15 Is the approved plan of boiler forwarded herewith Yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been  
 built under Special Survey, to approved plans in accordance with the  
 'Scott's' Rules. Materials and workmanship are good.  
 They are intended for Mr Swan Hunter & Wigham Richardson's No 1566.

These two Waste Exhaust Gas Boilers have been fitted on the flat  
 on "A" Deck in Eng. Room Casing of M.V. DOMINION MONARCH. Yard No 1547.  
 The Safety valves have been adjusted under steam to 100 lbs per sq inch and  
 the accumulation tests were satisfactory. Aulatt Newcastle-on-Tyne

Survey Fee ... £ 16/16/0 : When applied for 19  
 Travelling Expenses (if any) £ : : When received 3 Jan 1939

Committee's Minute GLASGOW 1-NOV 1938  
 Assigned TRANSMIT TO LONDON

See H. Sutherland & Co. 2020  
 Lloyd's Register of Shipping  
 14 FEB 1939  
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