

VERTICAL DONKEY BOILER—

Manufacturers of Steel
 No. Description *Cochran Patent*
 Made at By whom made *Cochran & Co.*
 Working pressure tested by hydraulic pressure to Date of test
 Valves No. of Safety Valves Area of each Pressure to which they are adjusted Date of adjustment
 If fitted with casing gear If steam from donkey boilers can enter the donkey boiler Dia. of donkey boiler Length
 Material of shell plates Thickness Range of tensile strength Descrip. of riveting long. seams Rivets
 Dia. of rivet holes Whether punched or drilled Pitch of rivets Lap of plating Per centage of strength of joint Plates
 Working pressure of shell by rules Thickness of shell crown plates Radius of do. No. of stays to do. Dia. of stays
 Diameter of furnace Top Bottom Length of furnace Thickness of furnace plates Description of joint
 Working pressure of furnace by rules Thickness of furnace crown plates Radius of do. Stayed by
 Diameter of uptake Thickness of uptake plates Thickness of water tubes Dates of survey

SPARE GEAR. State the articles supplied:—
*1 set each of top & bottom end, main bearing & coupling bolts & nuts
 1 set each of feed & bridge pump valves, 2 main & 2 donkey feed check valves, 1 feed pump escape valve spring, 6
 16 steam chest cover studs, 10 condenser tubes, 50 ferrules, 2 safety valve springs, 1 C.I. Propeller, assorted
 iron, bolts & nuts.*

The foregoing is a correct description,

Manufacturer.

McKie & Baxter

Dates of Survey
 During progress of work in shops -- 1918. Nov. 13-18. Dec. 16-23. 1919. Jan. 13. Feb. 17-19-24. Mar. 6-10-12-17-19-20-21-25-31. Apr. 2-20
 During erection on board vessel -- May 5-7-12-13-21-23-26-28. June 4-9-12-17-19-23-26. Aug. 6-11-20-22. Sept. 17-22-23-24. Oct. 15-22
 Total No. of visits 55.

Is the approved plan of main boiler forwarded herewith

Dates of Examination of principal parts—Cylinders 26-6-19 Slides 22-8-19 Covers 20-8-19 Pistons 9-6-19 Rods 26-6-19
 Connecting rods 26-6-19 Crank shaft 29-4-19 Thrust shaft 29-4-19 Tunnel shafts 21-5-19 Screw shaft 12-6-19 Propeller 24-9-19
 Stern tube 23-5-19 Steam pipes tested 26/11/19. Engine and boiler seatings 22-10-19 Engines holding down bolts 23-12-19
 Completion of pumping arrangements 23-12-19 Boilers fixed 2-12-19 Engines tried under steam 23-12-19
 Main boiler safety valves adjusted 12-12-19 Thickness of adjusting washers P. P. 3/16 S. V. 3/16: S P. V. 1/4: S. V. 9/32
 Material of Crank shaft S Identification Mark on Do. 24-4-19. P. M. S. Material of Thrust shaft S Identification Mark on Do. 24-4-19.
 Material of Tunnel shafts S Identification Marks on Do. 21-5-19. J. E. S. Material of Screw shafts S Identification Marks on Do. 12-6-19
 Material of Steam Pipes Lap welded iron pipes Test pressure 540 lbs.

General Remarks (State quality of workmanship, opinions as to class, &c.)

These engines have been built under special survey and in accordance with the Rules, the materials and workmanship are sound and good. The engines and boilers have been fitted on board in a satisfactory manner, tried under working conditions and found efficient, and are eligible in our opinion to be classed with record of L.M.C. 12-19.

Machinery is duplicate of same makes engines nos 930. Glasgow Report No 39262. S.S. "Hunstanworth."

It is submitted that this vessel is eligible for THE RECORD + L.M.C. 12-19.

The amount of Entry Fee .. £ 2 : 5 : 8
 Special .. £ 18 :
 Donkey Boiler Fee .. £ :
 Travelling Expenses (if any) £ - : 10/6

When applied for.

When received.

Committee's Minute GLASGOW 13 JAN 1920

Assigned + L.M.C. 12, 19.

MACHINERY CERT. WRITTEN. 14.1.20 23/1/23



© 2020 Lloyd's Register Foundation