

REPORT ON BOILERS.

No. 50295
9 APR 1930

Date of writing Report 19 When handed in at Local Office 14 19 30 Port of GLASGOW
 No. in Survey held at Annan Date, First Survey 24.8.30 Last Survey 28th March 1930
 Reg. Book. on the Boiler No. 11630 / M. S. Barbarigo yard No. 21 Tons Gross 7023 Net 4250
 Master Built at Monfalcone By whom built Cantiere Nav. Triestino When built 1930
 Boiler made at Annan By whom made Messrs Cochran & Co. Annan Ld. Annan When made 1930
 Owners Soc. Venetiana di Nav. a Vap. Port belonging to Venice

VERTICAL DONKEY BOILER— No. One Description Vertical Manufacturers of steel D. Calville & Sons Ld.
 Made at Annan By whom made Cochran & Co. Annan Ld. When made 1930 Where fixed in C.P. Port Working pressure 100
 tested by hydraulic pressure to 200 Date of test 28-3-30 No. of Certificate 18153 Fire grate area — Description of safety valves Enclosed spring
 No. of safety valves 2 Area of each 1.76" Pressure to which they are adjusted 100 lbs If fitted with easing gear Yes If steam from main boilers can
 enter the donkey boiler No Diameter of donkey boiler 3'-9" Length 10'-0" Material of shell plates Steel Thickness 3/8" 3/32" 3/8"
 Range of tensile strength 28-32 Description of riveting long. seams D.R. Lap Diameter of rivet holes 23/32" Whether punched or
 drilled drilled Pitch of rivets 2-24 2-23 2-14 Lap of plating 3 3/4" Per centage of strength of joint Rivets 77.7 Plates 66.4 Working pressure of shell by
 rules 142.5 Thickness of shell crown plates 1/2" Radius of do. 3'-2" No. of stays to do. Diameter of stays Diameter of
 furnace—Top 3'-1" Bottom 3'-3 1/8" Length of furnace 2'-10 1/8" Thickness of furnace side plates 1/2" Description of joint S.R. Lap Working
 pressure of furnace by rules 173.2 Thickness of Ogee ring Working pressure of Ogee ring by rules Thickness of furnace
 crown plates 1/2" Radius of do. 1'-11" Stayed by Hemisphere Diameter of uptake 8 1/2" x 13 3/4" Thickness of uptake
 plates 1/2" Thickness of tube plates front 1 1/16" back 7/32" Mean pitch of stay tubes in nest 8.84" Pitch in outer vertical rows 7 1/8"
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F. 111.6 Tubes: Material Woot Iron
 External diameter stay 2 1/2" plain 2 9/16" Thickness stay 7/32" plain 11/155 No. of threads per inch 9 Pitch of tubes 3 1/2" x 3 9/16"
 Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating
 ring 5" x 13 1/8" No. of rivets and diameter of rivet holes 32 off: 23/32" Outer row pitch at ends 3 5/8"

The foregoing is a correct description.

WALTER BEATTIE Manufacturer.

Dates of Survey while building
 During progress of work in shops— 1930 Jan 24-31 Feb 14-25 Mar 12-20-28
 During erection on board vessel— 4 20.8.30, 6.9.30
 Total No. of visits 7 + 3

Drawing No. 17707

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 under
 survey, in accordance with the Rules and approved plan.

The materials and workmanship are good.

This boiler has been built to the order of Sist Stabilimento
 Grandi Motori, Torino, Italy.

This Donkey Boiler has been fitted on board the Motor Vessel
 "Barbarigo" and recently forwarded. It has been fitted for burning
 oil fuel, examined under working condition and found in
 order. The safety valves adjusted to blow at 100 lbs.

A. Campbell

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 8- APR 1930
 Assigned TRANSMIT TO LONDON

FRI. 17 OCT 1930

Lloyd's Register
Foundation

007430-007937-0044