

Newcastle on Tyne Rept. 76884.

5b.

REPORT ON BOILERS.

No. 11587

Received at London Office WED. MAY. 30
26.5.23 19 Port of MIDDLESBRO
When handed in at Local Office
Survey held at Darlington Date, First Survey 19th March Last Survey 23rd May 1923
No. in g. Book.
Feed 8110 lb on the Steel Sc. "TOWNELEY" (Number of Visits 6) (S.S.N. 231) Tons { Gross: Net:
ster Built at Newcastle By whom built Fresson Wood Skinner & Co When built 1923
ilers made at Darlington By whom made Blake Boiler, Wagon & Eng. Co. Ltd (No 3353) When made 1923
ners (Burnett & Co. Engos.) Port belonging to NEWCASTLE

VERTICAL DONKEY BOILER— No. one Description Blake Patent Manufacturers of steel J. Spencer & Sons Ltd
de at Darlington By whom made Blake Boiler, Wagon & Eng. Co. Ltd When made 1923 Where fixed Green St Donkey House Working pressure 100
ed by hydraulic pressure to 200 Date of test 23.5.23 No. of Certificate 6309 Fire grate area 14 Description of safety valves Spring-loaded
of safety valves Two Area of each 3.97 Pressure to which they are adjusted 105 lb If fitted with easing gear Yes If steam from main boilers can
er the donkey boiler N.R.V. Dia. of donkey boiler 5'-6 7/8" Length 11'-0" Material of shell plates steel Thickness 7/16" Range of tensile
length 28'-32" Descrip. of riveting long. seams Double Riv. lap Dia. of rivet holes 13/16" Whether punched or drilled drilled Pitch of rivets 2 5/8"
p of plating 4 1/4" Per centage of strength of joint Rivets 73.96 Working pressure of shell by rules 119 Thickness of shell crown plates 17/32"
dia. of do. 4'-3" No. of Stays to do. 1 plate Dia. of stays 18" x 1" Diameter of furnace Top 2'-9" Bottom 4'-10" Length of furnace 1'-10"
Thickness of furnace plates 1/2" Description of joint Weld Working pressure of furnace by rules 100 lb Thickness of C. chamber crown
4.23 tes 5/8" Radius of do. 2'-9" Stayed by Dished + plate stay Diameter of tubes 2 1/2" Thickness of tube plates F-1 1/2"
3.2.23 Thickness of water tubes N: 9-14.59 Pitch of tubes V = 3 5/8"; H = 2 1/2"; diag. = 4.404" The foregoing is a correct description.
5-23 Chamber plate 1/2 x 2'-9" diam: Mankoh Compn 4 1/2 x 7/8 x 36 Rivets @ 3/4" Manufacturer.

Dates { During progress of work in shops - 1923. Mar 19 Apr 4 13. May 2. 9. 23
Survey while building { During erection on board vessel - -
Total No. of visits 6

Is the approved plan of boiler forwarded herewith yes
Return for Duplicate Boiler

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This boiler has been built under special survey: is of good material & workmanship and on completion was tested by hydraulic pressure with satisfactory results

This Boiler has been efficiently installed and secured in the Donkey Boiler House on the Green decks of the vessel. The safety valves have been adjusted under steam R. Lee Anners.

Survey Fee ... £ 4 4-0 When applied for, monthly
Travelling Expenses (if any) £ 11/8 When received, 19

W. Morrison

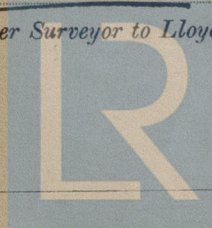
Engineer Surveyor to Lloyd's Register of Shipping.

FRI. JUL 20 1923

Committee's Minute

Assigned

See Nwc J.E. Rpt 76884



Lloyd's Register
Foundation

W441-0052