

With or Without
Disconnected Erections.

STEEL STEAMER.

THU. 22 NOV. 1923

Date of completion of report 19th November 1923 Port of Middlesbrough
Survey held at Haverton Hill in Dec Date, First Survey 11th April 1923 Last Survey 8th November 1923

On the (State if Single, Twin, or Triple Screw)
TONNAGE under 2271.82
Tonnage Deck...
Do. between Tonnage Dk. and 3rd and 4th Dk.
Total under Upper Dk. 219.75
Do. of Pump Trunks 186.45
Do. of Bridge Houses 64.02
Do. of Forecastle 89.68
Do. of Houses on Deck 24.75
Do. of excess of Hatchways
Do. above Crown of Engine Room 2866.51
Gross Tonnage 107.89
Less Crew Space
Less above Crown of Engine Room
TONNAGE FOR FEES.. 317.28
Less Engine Room 262.77
Less Navigation Spaces 1578.57

CLASS 100A with Foreboard
Breadth (greatest moulded) 45.0
Depth, at middle of length from top of keel to top of upper deck beams at side 21.91
FIRST corrected D due to keel sheer (0.1) 6704
Number L x D 306
Length on deck from fore part of stem to after part of stern post 306
SECOND corrected Number L (B + D) 204.74
actual = 20.7
corrected = 18.95
Depth "d," at middle of length (See Secs. 2 & 13) 18.37
Proportions—Depths to Length—Upper Deck Beam at side to top of keel 12.61
Long Bridge Deck 9.64
Beam at side to top of keel

Master
Year of appointment
Built at Haverton Hill in Dec
When built 1923 Launched 12 Sept '23
By whom built Furness Shipbuilding & Ltd.
Owners Furness Withy & Co Ltd. London.
Managers
Residence
Port belonging to Newcastle

Destined Voyage Newcastle & London and Surveyed while Building Afloat, in Dry Dock

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
306	—	Moulded	45	—	Do. do. do. do. do.	Second Dk. Beams	22	2	one
per Register, Length 307 breadth 45.15 depth 22.15						Moulded depth, ft. 31 ins. 9 To Bridge Dk.	Round of Upper 11 ins.		
						Moulded depth, ft. 24 ins. 3 To Upper Dk.	Dk. Beam, Actual		
FRAMING.						PILLARS.			
E L Bars amidships						PILLARS In 'tween Deck, size and spacing			
Double Bottoms at Solid Floors...						" " Hold " "			
" at intermdt. Bkts.						Quarter 'tween Dks. " "			
from centre to centre amidships						" in Hold " "			
" length to Collision bulkhead						KEELSONS & STRINGERS			
" " in peaks..						IN WAY OF OPEN FLOORS DEEP TANKS AFT			
AME, Angles.....						CENTRE LINE KEELSON, Vertical Plate above			
Double Bottoms at Solid Floors...						Rider Plate.....			
" at intermdt. Bkts.						Flat Plate Keel Angles			
h of girder						Horizontal Plates on Floors			
and thickness of Floor Plate)						Angles or Bulb Angles			
d-line for 1 length amidships...)						SIDE KEELSONS, Number			
Engine and Boiler Spaces						Angles or Bulb Angles			
at the ends of vessel						Plate above floors, for			
the half breadth, as per Rule ...						Intercoastal Plate, for			
at the Bilges						Attached to outside Plating with Angle...			
Double Bottoms						BILGE KEELSON, Angles			
flanged (top & bottom).....						Intercoastal Plate for			
of Solid floors						Attached to outside Plating with Angle ...			
ER, in Dbl. bottom, dpth. & thknss.						2 SIDE STRINGERS, Number			
Angles, Top						" Angle			
" Bottom						Intercoastal Plate, for			
" to Floors						Attached to outside plating with Angle.....			
ets at intermdt. frmng., wdth & thknss						Upper Deck Stringer Plate, br'dth & thickness			
RS, number on each side & thickness						(clear of Bridge)			
state if flanged (top and bottom)						br'dth & thickness			
Angles (top and bottom)						(in way of Bridge)			
" to Floors.....						Angle (clear of Bridge) ...			
TE, depth (exclusive of flange))						Rais'd Pl. Tie Plates at Hatchways.....			
and thickness.....)						Deck. * Iron or Steel, for			
Angle to Outside Plating.....						Thickness (clear of Bridge)			
" Floors						(in way of Bridge)			
ets at intermdt. frmng., wdth & thknss						Wood Deck, Material & thickness			
it of Outside Brackets above at bilge						TANK			
TOM PLATING, breadth and						Deck Stringer Plate, br'dth & thickness			
thickness of Middle Line Strake)						Angles on ditto, No.			
" in Engine and Boiler space						Tie Plates outside Hatchways			
" Remainder in Holds.....						Deck. * Material and thickness			
er Deck, Single Angle, Bulb						Fourth and Fifth Deck Stringer Plate,)			
angle, Plate, Tee Bulb, or Channel						breadth & thickness)			
way of Long Bridge						Angles on ditto, No.			
" "						Tie Plates outside Hatchways			
" "						Deck, Material & thickness			
" "						Rais'd Pl. Tie Plates at Hatchways			
" "						Deck, Material & thickness			
" "						Bridge Deck Stringer Plate, br'dth & thickness			
" "						Angles on ditto			
" "						Tie Plates			
" "						Deck, Material and thickness			
" "						Forecastle Deck Stringer Plate, b'dth & th'kns			
" "						Angles on ditto			
" "						Tie Plates			
" "						Deck, Material and thickness			
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EQUIPMENT No. 21567 ✓				LETTER 7 ✓				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS							
Number of Certificate.	Anchors.	WEIGHT, STOCK LESS			WEIGHT OF STOCK ^{HEAD}			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE No. 58			Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.					
27588	1st Bower ...	42	2	7	28	0	14	37	11	3	14	✓	42	0	0	✓	Byers improved	✓	Sunderland 4/6/23 ✓ H. Smith
27601	2nd „ ...	42	2	0	27	3	0	37	10	0	0	✓	42	0	0	✓	"	✓	" 13/6/23 "
27613	3rd „ ...	36	1	21	21	3	21	33	8	3	0	✓	35	2	0	✓	"	✓	" 28/6/23 "
	4th „ ...																		
	Collective weight.	121	2	0									119	2		✓			
36554	Stream	11	0	0	3	1	0	12	17	2	0		11	0	0	✓	Ordinary, S.W. Iron	✓	Cradley Heath 9 th March L.S. Paul
	Kedge.....																		

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	25.0.16	✓	AB.	5150	24 th May '23.
	2nd "	24.2.23	✓	AB.	5138	10 th do
	3rd "	19.1.9	✓	AB.	5162	14 th June 23.
	4th "					

CHAIN CABLES.												HAWSERS AND WARPS.							
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Length and Size per Table 31.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 31.	
	Length.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.	Length.	Diam.					Length.	Cir.		Length.	Cir.
34861	120	1 7/8	63 1/4	882	212.2.21	425.0.0	240	1 7/8	Studdish	✓	Grady Heath 30.6.23	TOWLINE	100	4	33	100	4		
34862	120	1 7/8	"	"	212.2.21	425.1.14			"	✓	" do "		HAWSERS & WARPS	2e90	2 1/2	12.5	2e90	2 1/2	
Stream (Cable) Steel Wire	75	4 1/4		35			75	4 1/4				"	"						

Boats 2-24 ft lifeboats and 1 dinghy. Steering Gear, Steam Donkin. Steering Gear, Hand blocks and gear tested ✓

Pumps, Number None Diameter of Barrel ✓ State whether they are in efficient working order ✓

Windlass is Steam Emerson Waller & Thompson Capstan Steam Winches ✓

Engine Room Skylights.—How constructed? Steel plates and angles What arrangements for deadlights in bad weather? Bulls eyes

Coal Bunker Openings.—How constructed? Steel plates and angles How are lids secured? Wood covers & battens Height above deck? 4'3" (on top of engine room).

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 6 in No. 16 freeing ports each side 14 1/2" Area each 6.88 sq ft

Ceiling in Holds, thickness and material 3" w. w. Cargo Battens, thickness and material none fitted.

Cargo Hatchways.—How formed? Steel plates and Bull angles. Hatches, If strong and efficient? Yes.

State size No. 1 Hatch (Forward) 38'3" x 31'3" x 14'1" No. 2 Hatch 38'3" x 33' No. 3 Hatch 6'2" x 33'0" No. 4 Hatch 38'3" x 33'0"

Number of Web Plates, 7 in all hatches except No. 3 where none fitted. 38'3" x 32'4 1/2" x 26'9"

No. of Breasthooks One No. of Crutches Deck from

Railworks, height above deck and description 4'6" 25 steel Main Rail, material and size steel 6 1/2 x 3 1/2 x 45.

The foregoing is a correct description FOR FARNESS SHIPBUILDING CO. LIMITED

Builder's Signature (here only) H. C. Quare Surveyor's Signature R. Fairley

Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) From 1st March '23 to 1st November 1923.

Workmanship. Are the butts of plating planed or otherwise fitted? Planed ✓

Is the riveted work properly closed? Yes ✓

Are the liners between the frames and plates solid single pieces? Joggled plating ✓

to plate, &c., conform well to each other? Yes ✓

Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? Yes ✓

Do any rivets break into or through the seams or butts of the plating? a few ✓

Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes ✓

Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes ✓

State results of tests satisfactory ✓

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes ✓

State results of tests satisfactory ✓

General Remarks (State quality of workmanship, &c.) Good.

The vessel has been built in accordance with the approved plans, the Secretary's letters of above date and in general conformity with the rules for the class contemplated. ✓

No cargo battens are fitted.

Freeboard marked on the vessel's side and verified to be inserted in the Register Book. ✓

Steam steering gear, hand gear (blocks and tackle led to steam winches) and was in class tested and found satisfactory. ✓

Winches tested and found satisfactory except that in a way of after winches on raised deck considerable vibration was found when final tests were being carried out. As the vessel was leaving same day for trial trip and loading, time did not permit of this being remedied but after discussion with Owner's and Builder's Representatives it was agreed that the arrangements for sailing could be adhered to—the Builders undertaking within the next six months to make good any defects and to fit such additional stiffening in way of winches as was found necessary. ✓

7 approved plans and 5 basting and forging cert. together with Midship Section & Profile & Deck plans of Vessel as built are forwarded herewith. Please return the approved plans for dealing with the Registrar.

The amount of Entry Fee £ 6 : 0 : 0

Special Survey Fee £ 218 : 7 : 0

Travelling Expenses, if any £ 8 : 0 : 0

Fees applied for, 19.11.1923

Received by me, 23.11.1923

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed 100A1

With, or without Freeboard, as condition of Class. with freeboard.

Committee's Minute

Character assigned + 100A1 Subject with freeboard, Cargo battens not fitted

Lloyd's A&CP.

White M. H. S.

W. H. S.

Surveyor to Lloyd's Register of Shipping.

FRI. JAN. 4 1924

TUE. MAR. 11 1924

FRI. 23 MAY 1924

W1217-0265 3/2

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GENERAL REMARKS—(continued).

It will be noted that no fore stays have been fitted to the masts — at the request of the Owner's representatives. The Builders attention has been drawn to this and they have — with the concurrence of the Owners — made arrangements to have these stays fitted.

Proposals regarding the rigging in this and the sister vessel (Humber N^o 49) have been submitted and are now under consideration in the London office.

PARTICULARS FOR RECORD in the REGISTER BOOK. — Length of Poop ✓ ft., R.Q.D. 121.75 ft., Bridge 56.25 ft., Forecastle 24 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given should appear in the Register Book) one Deck — Steel.

Official No. 148044 ; Signal Letters

How are the surfaces preserved from oxidation? Inside

State if Machinery is fitted aft

No.

on bottom Cement. Inside all tanks and in Peaks Cement washed
except Dry tank which coated with bitumastol. Boiler Room & Deck covered with bitumastol.

PARTICULARS OF WATER BALLAST. — State whether the Double bottom is constructed on the cellular system or with girders on floors

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, SEE DEEP TANK	✓	✓	Fore peak tank,	18.0	7
Double bottom, under Engines and Boilers,	✓		After peak tank,	14.0	9
Double bottom, if under Engines only,	20.25	68	Deep tank, aft,	85.5	79
Double bottom, if under Boilers only,	Dry Tank		Deep tank, forward,	✓	✓
Double bottom, forward,	126.0	364	Other tanks, if fitted,		
Total capacity of double bottom		432	(If necessary, furnish further information by sketch.)		
			State whether the above have been tested as required by the Rules	TOTAL	9

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 1368

Date

17.4.23

No.

48

in builder's yard.

DATES of Surveys held while building

1923, Apr. 11, 18, 20, May 7, 9, 16, 18, 24, 25, 31, June 6, 7, 8, 11, 12, 14, 18, 19, 20, 21, 22, 25, 28, 29, July 2, 4, 6, 13, 16, 17, 19, 20, 23, 24, 25, 26, 27, 30, 31, Aug. 1, 2, 7, 9, 10, 13, 15, 17, 28, 29, 30, 31, Sep. 4, 5, 6, 7, 10, 11, 12, 13, 14, 17, 21, 24, 25, Oct. 22, 23, 25, 26, 30, 31, Nov. 1, 2, 5, 6, 7, 8.

Surveyor's Signature

R. Fairley.

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