

STEEL STEAMER or MOTORSHIP.

Received at London Office 21 NOV 1929

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *Yes*

Date of completion of report

16 November 1929 Port of *Newcastle-on-Tyne*

No. 84968

Survey held at

South Shields

Date First Survey

27 Feb 1929

Last Survey

13 Nov 1929

On the (State if Machinery fitted Aft and (if Single, Twin or Triple Screw)

*Single Screw Steamer "GORJISTAN"**Machinery Amidships*

State Type

(Full Scantling, Complete Superstructure with or without Tonnage Openings)

Full Scantling

State Type of Erections

Forecastle

TONNAGE under Tonnage Deck

5443.43

CLASS

100A1

State if with freeboard as condition of Class

No

Built at

South Shields

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 425.0

Breadth (greatest moulded)

B 54-9 1/2

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 31-0

1st Longitudinal Number (L x D)

= 13175

2nd Numeral L x (B + D)

= 36460

Framing Depth "d," at middle of length. See Sec. 3 (1d)

17-4 1/2

Proportions—Depth to Length—Uppermost continuous deck to top of keel

13.70

Do. Long Bridge to top of keel

11-03

Draught Moulded

24-8 1/8

Launched 19 Sept 1929 Yard No. 498

Builders *John Readhead & Sons Ltd*Owners *Strick Line (1923) Ltd*Managers *F.C. Chick & Co Ltd*

(Where necessary to be entered in Reg. Book.)

Residence

London

Port of Registry

London

If surveyed while building, afloat, & in dry dock

Yes

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	28 1/2				Bracket Floors, Frame	6	3 1/2	38	NBS
" " from 1/2 length to Collision bulkhead	27				" " Reversed Frame	5 1/2	3	38	
" " in peaks	24				" " Vertical Struts	10	3 1/2	3 1/2	42
SIDE FRAMING.					Centre Girder, depth and thickness amidships		43 1/2	54	
Frame Amidships, Angle, E or F	9	3 1/2	60	NBS	" " top Angles	8 1/2	3 1/2	51	
Extends up to	Second deck				" " bottom Angles	4	4	57	
Engine & Boiler Spaces	12	4	4	27 1/2	Side Girders, No. each side and thickness	one		40	
Reversed Frame Amidships, Angle	12	4	4	27 1/2	Margin Plate depth (excl. of flange) and thickness		34	51	
" " Extends up to	Upper Deck				" " Vertical Angle to Tank side	8 1/2	3 1/2	42	
Depth of Framing Girder	9				Bracket abaft 1/2 len. from stem	6	6	42	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	7 1/2	3 1/2	40		" " Vertical Angle to Tank side	3 1/2	3 1/2	42	
" " Second 'tween Decks, Angle, E or F	-	-	-		Bracket forward 1/2 len. from stem				
" " Third " " " "	-	-	-		Gussets, spacing and scantling abaft 1/2 len. from stem		40		
Framing in Peaks, Angle or F	7 1/2	3	45		" " Gussets, spacing and scantling forward 1/2 len. from stem		40		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8	6 1/4			Tank Side Brackets, height above base line at toe of Frame and thickness		65 1/2	44	
State if Frame Joggled	Yes				INNER BOTTOM PLATING.				
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	12	3 1/2	76	NBS as approved	Breadth and thickness of Middle Line Strake		83	47	
and three intercostal chimes					Thickness of remainder in Holds		42		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Three girders each side				Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?		Yes		
	40 apart				BEAMS.				
SINGLE BOTTOM.					Uppermost Continuous Deck, amidships	10	3 1/2	46	NBS
Floors, Depth and thickness at mid-line in Holds	-	-	-		" " in Wells, Angle, E or F				
Height of Brackets at side above base line at toe of frame	-	-	-		" " in way of Bridge, Angle, E or F	10	3 1/2	58	NBS
Middle Line Keelson, on Floors, Angles, E or F	-	-	-		Spacing		28 1/2		
" " Through Plate or Intercostal Plate	-	-	-		Second Deck, amidships, Angle, E or F	11	3 1/2	60	NBS
" " Foundation Plate on Floors	-	-	-		Spacing		28 1/2		
" " Flat Plate Keel Angles	-	-	-		Third Deck, amidships, Angle, E or F	-	-	-	
Side Keelsons, No. each side	-	-	-		Spacing	-	-	-	
" " thickness of Intercostal Plate	-	-	-		Fourth Deck, amidships, Angle, E or F	-	-	-	
" " Angles	-	-	-		Spacing	-	-	-	
DOUBLE BOTTOM.					Poop Deck, Angle, E or F	7 1/2	3	36	
Solid Floors, thickness and spacing	45	57	40		Spacing		24	28 1/2	
" " Are Frame and Reversed Frame joggled?	Yes				Bridge Deck, Angle, E or F	9	3 1/2	42	NBS
Bracket Floors, breadth and thickness at middle line	32 1/2	45	40		Spacing		28 1/2		
" " breadth and thickness at margin plate	46	45	40		Forecastle Deck, Angle, E or F	8	3	44	NBS
					Spacing		24	27	

PILLARS AND DECKS.

	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	6	1		Stringer Plate, breadth and thickness in way of Bridge	66	36	
„ in 'tween Decks, Size and Spacing.....	2 3/4	57	6	Thickness of Plating abreast Deck openings in way of Wells	36		
„ „ „ „ „	3 3/4	57		Thickness of Plating abreast Deck openings in way of Bridge	32		
„ in Holds „ „	5 3/4	57		Thickness of Plating within line of openings...	34		
„ „ „ „ „	-	-		If Sheathed, material and thickness	-	-	
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing.....	-	-		Stringer Plate, breadth and thickness.....	-	-	
Plating, thickness of	-	-		If Plated, state thickness.....	-	-	
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....	-	-	
Stringer Plate, breadth and thickness in Wells	58	1.0	94	If Plated, state thickness	-	-	
„ „ „ „ in way of Bridge	58	44	40	Poop Deck.			
„ Angle in Wells	6	6	88	Stringer Plate, breadth and thickness	36	36	
Thickness of Plating abreast Deck openings in way of Wells	88		78	Plating, Sheathing, material and thickness	28		
Thickness of Plating abreast Deck openings in way of Bridge	44		36	Bridge Deck.			
Thickness of Plating within line of openings...	56		42	Stringer Plate, breadth and thickness.....	61	62	54
If Sheathed, material and thickness	-	-		Plating, Sheathing, material and thickness ...	54		50
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	66	40		Stringer Plate, breadth and thickness.....	35	36	
				Plating, Sheathing, material and thickness ...	34		

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		RIVETS.		No. of Rows of Rivets.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.		Diam.	Spacing or. to or.	Diam.	Spacing or. to or.
	Inches.	Inches.	Inches.	Inches.				Inches.	Inches.	Inches.	Inches.
FLAT PLATE KEEL	66	.81	.71	.71		Double	1	4	Four	1	4
„ DBLG. (if any)											
BOTTOM PLATING, No. of Strakes ...4.....	70	.62	.48	.48		Double	7/8	3 1/2	Four	7/8	3 1/2
BILGE PLATING, No. of Strakes1.....	48	.62	.48	.48		"	"	"	"	"	"
SIDE PLATING, No. of Strakes4.....	65	.62	.48	.48		"	"	"	Three	"	3 1/8
UPPER DECK, Sheer-strake in Wells.....	64	.94	.48	.48		"	1	4	Five	1	4 1/2
UPPER DECK, Sheer-strake in Bridge ...	64	.62	.48	.48		"	7/8	3 1/2	Three	7/8	3 1/8
STRAKE BELOW Sheer-strake in Wells.....	65	.78	.48	.48		"	"	"	Four	1	4
STRAKE BELOW Sheer-strake in Bridge ...	65	.62	.48	.48		"	7/8	3 1/2	Three	7/8	3 1/8
POOP SIDE PLATING38		Single	3/4	3	One	3/4	2 5/8
BRIDGE SIDE PLATING ...	87 1/2	.60				Double	7/8	3 1/2	Four	7/8	3 1/2
FORECASTLE SIDE PLATING			.42			Single	3/4	3	One	3/4	2 5/8

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c) <i>Seven</i>					
„ Deck next below <i>Seven</i>					
As per Rule <i>Seven</i>					
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	26-28	5 1/2	34	30	
„ „ Second „	-	-	-	-	
„ „ Third „	-	-	-	-	
„ „ Holds	30	10 1/2	50	30	
COLLISION „ (in Hold) <i>all</i>	30-24	5 1/2	40	24	<i>Similar to Beam</i>
AFTER PEAK „ „	30	7 1/2	42	24	<i>7 1/2 Flat</i>

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	-	-	-	-
STEM	<i>Forging</i>	<i>9 3/4 x 2 5/8</i>	<i>Lanarkshire.</i>	
STERN FRAME {	Propeller Post	<i>10 1/2 x 8 1/8</i>	<i>Willms</i>	
	Rudder „	<i>9 x 8 1/8</i>		
RUDDER—A x D	<i>5 1/4</i>	<i>"</i>		
Speed of Vessel	<i>12 knots</i>			
RUDDER mainpiece at head ...		<i>10 3/4</i>	<i>Willms</i>	
„ „ heel ...		<i>8 1/8</i>		
„ how constructed	<i>Built</i>			
„ double or single plate	<i>Single</i>			
„ coupling, vertical or horizontal	<i>Horizontal</i>			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	
	Corbett, Cayo Hub. Dorman Long, Corb Durham, Bolckow Vaughan & Co. Frodingham	
	Has the Steel been tested as required by the Rules? Yes.	

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EQUIPMENT No. 38028												LETTER a +		ANCHORS.	
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
32454	1st Bower ...	68	0	0	-	-	-	52	12	2	0	68	Stockless	P. Byers	Sld 4/10/29 Butler
32455	2nd „ ...	68	0	0	-	-	-	52	12	2	0	68	-	-	Sld 5/10/29 Butler
32320	3rd „ ...	59	0	0	-	-	-	47	15	0	0	58 1/2	-	-	Sld 13/8/29 Butler
	Collective weight.	195	0	0								194 1/2			
24422	Stream	19	0	4	4	3	14	19	19	2	21	19	Rodgers	Bloomer	LW 6/8/29 Green

CHAIN CABLES.										HAWSEERS AND WARPS.								
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Statutory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Length.		Cir.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.
14260	270	2 5/8	96 1/4	134 3/4	750	3-0	720-3-0		270	2 5/8	Slid Bloomer	LW 28/8/29 Green	TOWLINE ...	120	5 1/4	65	120	5 1/4
													HAWSEERS & WARPS	2-90	8		2-90	8
													"	2-90	7		2-90	7
Stream Chain - Steel Wire	90	5		59					90	5	Calified by Hord Hagge		"	4-90	3"	18		

Steering Gear, Steam	Caldwell 11+10	Steering Gear, Hand	Nel
2 27-0 x 8-3 x 3-5			
Boats 2 26-0 x 8-0 x 3-3	Steering Chains, Size and Test	1 $\frac{9}{16}$ 29-5-0-0.	Windlass Clarke Chapman
Ceiling in Holds, thickness and material	2 $\frac{1}{2}$ H. W. a 2" Battens	Cargo Battens, thickness, material and spacing	2" H. W. 9"
Cargo Hatchways.—(Upper Deck)	Steel plates & angles	Thickness of Hatches	3"
Size of No. 1 Hatchway (Forward)	29-3 x 22	No. 2 35-7 $\frac{1}{2}$ x 22	No. 3 26-1 $\frac{1}{2}$ x 22
	No. 4 14-10 $\frac{1}{2}$ x 22	No. 5 26-1 $\frac{1}{2}$ x 22	No. 6 33-3 x 22
Number of Shifting Beams and/or Fore and Afters	No. 1-4	No. 2-5	No. 3-4
	No. 4-1	No. 5-4	No. 6-4

FOR JOHN READHEAD & SONS, LTD.

FOR JOHN READHEAD & SONS, LTD.

Builder's Signature

J. M. H. Readhead.
Director.

GENERAL DECLARATION

This vessel has been built in accordance with the approved plan, the Committee instructions & the Rules. The workmanship & materials are good and to my satisfaction. All double bottom tanks, peaks & deep tank have been tested under pressure to rule requirements. All bulkheads (47) weather decks & tunnel have been hose tested. The assigned freeboards have been marked on vessels sides, numbered & cut in.

The approved plans & fitting reports are attached. The vessel is fitted out for carrying oil fuel in the double bottom tanks (except under engine) all the requirements of the Rules regarding the carrying of oil fuel have been complied with. "Peaks tunnel" Arabiston W/H No 84564

The amount of Entry Fee	£ 9 :			Fees applied for,	20 NOV 1929	
Special Survey Fee	£ 347 :	4 :	0	Received by me,	10.12.29	
Freeboard Travelling Expenses, if any	£ 9 :	3 :	4			
State whether the Vessel has been built under Special Survey	Yes			Signature	H. C. J. Ireland	
Certificate to be sent to	NEWCASTLE-ON-TYNE			Surveyor to Lloyd's Register of Shipping.		
Date of issue	11/12/29					

Committee's Minute	TUE. 26 NOV 1929
Character assigned	+ 100 A1
	Lloyd: A+C + L.M.C 11:29
	C.L. F.D.
	Tested for Oil Fuel 11:29 P. Above 15000
	M
	TUE. 17 DEC 1929



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GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

After the vessel was launched she collided with the Steamer Haworth & Cuckered & the launching ways fouled the bottom shell plating.

The following repairs have been efficiently carried out on the Port Side:-

No 16 plate in sheentake, one short frame & stringer angle in way removed. One beam bracket plate removed

After Bulwark:- Two plates removed frame & replaced. One frame plate in place

Bottom Damage! On the Starboard Side:-

Removed frame & replaced:- 8 15 F 16. Frame in place:- C 15 F 16

One intermediate frame, One bracket plate, One floor bottom angle

Tank tested to rule requirements after repairs

H. C. Ireland

Particulars of Drop Test of Cast Steel Anchors, viz.:-
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower 39-2-21 KH 6910 13/9/29
2nd " 39-0-5 KH 6932 13/9/29
3rd " 35-0-20 MB 6636 19/7/29

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 37.8 ft., R.Q.D. ✓ ft., Bridge 130.6 ft., Forecastle 47.3 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) Lms. Plank

Official No. 161320 ; Signal Letters ✓ Is bottom of Vessel coated with cement or hypoderm if not give particulars of composition. Fillets downhewn

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	142-6	440	Fore peak tank,	21-6	107
Double bottom, under Engines and Boilers,	23-9	106	After peak tank,	12-0	38
Double bottom, if under Engines only,			Deep tank, aft,	38-0	903
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	179-7 1/2	691	Other tanks, if fitted,		
	Total capacity of double bottom	1237	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. 5339

Date 18.5.29

Dates of Surveys held while building

1929 Feb. 27. Mar. 4. 13. 18. 25. 27. Apr. 5. 12. 17. 24. May 1. 8. 10. 16. 23. June 14. 21. July 2. 10. 15. 16. 23. 24. 29. Aug. 6. 8. 9. 14. 15. 20. 21. 23. 29. 30. Sep. 2. 4. 5. 6. 10. 16. 19. 24. Oct. 2. 8. 10. 14. 18. 24. 28. 31. Nov. 1. 4. 13.

Total No. of Visits 53.