

[illegible]

PARTICULARS OF LONGITUDINAL FRAMING.

NEWCASTLE-ON-TYNE

Rept No. 77652

TRAW

Where a

St

FRAMING.		AMIDSHIPS.				ENDS.				AMIDSHIPS.				ENDS.				RIVETING.											
		In Ship.				In Ship.				Per Rule or as approved.				Per Rule or as approved.				Rivets in Longitudinal Frames. Diam. Speng.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.		Rivets in Brackets to Bulkheads.							
		In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	In.	Number.	Diameter. Inches.									
Framing of L, L or K Frames in Bridge 'tween Decks Frames from Uppermost Continuous Deck Framing from Awwing, Shelter or Upper Deck to Margin Plate.	Framing of L, L or K	Transverse				Transverse				Transverse				Transverse															
	No. 1	6 1/2	3 1/2	48	✓	6 1/2	3 1/2	48	✓	9	3 1/2	40	In oil	9	3 1/2	40	In oil	7/8	5 1/2	16	dias apart	8	7/8	27					
	" 2	9	3 1/2	40	✓	9	3 1/2	40	✓	9	3 1/2	40	"	9	3 1/2	40	"	"	"	"	"	"	"	"					
	" 3	10	3 1/2	44	✓	10	3 1/2	44	✓	10	3 1/2	44	"	10	3 1/2	44	"	"	"	"	"	10	"	✓					
	" 4	10	3 1/2	44	✓	10	3 1/2	44	✓	10	3 1/2	44	"	10	3 1/2	44	"	"	"	"	"	11	"	✓					
	" 5	11	3 1/2	44	✓	11	3 1/2	44	✓	11	3 1/2	44	"	11	3 1/2	44	"	"	"	"	"	11	"	✓					
	" 6	11	3 1/2	44	✓	11	3 1/2	44	✓	11	3 1/2	44	"	11	3 1/2	44	"	"	"	"	"	11	"	✓					
	" 7	11	3 1/2	48	✓	11	3 1/2	48	✓	11	3 1/2	48	"	11	3 1/2	48	"	"	"	"	"	12	"	ND					
	" 8	12	3 1/2	50	✓	12	3 1/2	50	✓	12	3 1/2	50	"	12	3 1/2	50	"	"	"	"	"	12	"	Size					
	" 9	12	3 1/2	68	✓	12	3 1/2	68	✓	12	3 1/2	68	"	12	3 1/2	68	"	"	"	"	"	12	"	8					
	19 to 10	17x48x4x4=68	Channels		17x48x4x4=68	Channels		17x48x4x4=68	Channels		17x48x4x4=68	Channels		17x48x4x4=68	Channels		6 dias = 4 1/2	"	10-11-18	12-14-14	"	14	"	7					
	" 11	Longitudinal on flat of bottom in 1/2" Tang spaced 4 1/2" apart.																											
	" 12																												
	" 13																												
	" 14																												
	" 15																												
	" 16																												
Spacing of Longitudinal Frames	Amidships	10 3/5 to 10 2/7 apart. 10 1/6 to 10 2/7 apart.																											
	At Ends	2-7. 2-7.																											
Double Bottoms L, L or K	Tank Top Longitudinals																												
	Bottom																												
Spacing of Longitudinals	Amidships																												
	At Ends																												
Transverses.																													
In Bridge 'tween Decks	Depth and Thickness																												
	Face Angles																												
	Lugs to Shell																												
	Depth and Thickness																												
In Awwing, Shelter or Upper 'tween Decks.	Face Angles	18 x 40 ✓ 18 x 40 in oil ✓																											
	Lugs to Shell	3 1/2 3 1/2 40 ✓ 3 1/2 3 1/2 40 ✓ 3 1/2 3 1/2 40 ✓ 7/8 4																											
	Depth and Thickness	29 x 46 ✓ 29 x 46 ✓																											
	Face Angles	6 3 1/2 70 oa. ✓ 6 3 1/2 70 oa. ✓ 6 3 1/2 70 oa. ✓ 7/8 4																											
In Hold.	Lugs to Shell	Joggled 3 1/2 3 1/2 40 ✓ 3 1/2 3 1/2 40 ✓ 3 1/2 3 1/2 40 ✓ 7/8 4																											
	Brackets	one and angle lugs.																											
	Spacing of Transverse Frames	12-1 1/2 in oil. 12-1 1/2 oil.																											
	* State if joggled or liners.																												
Longitudinal Beams of L, L or K	Bridge Deck	Transverse framing.																											
	Awg. or Shltr. Dk.																												
	Upper	8 3 40 6 3 32 8 3 40 6 3 32 30"																											
	Second	9 3 1/2 40 6 3 32 9 3 1/2 40 6 3 32 31"																											
Third	36" End.																												
Spacing.																													

EQUIPMENT No. 23397.				LETTER		ANCHORS.		TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.	Makers.
38743	1st Bower	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Byers Stockless
38744	2nd "	59	2	0	48	7	2	60	0	0	-do-
38739	3rd "	51	3	14	43	10	3	50	2	0	-do-
	4th "										-do-
	Collective weight.	171	1	14				170	2	0	
38738	Stream	16	0	6	17	7	2	16	1	0	Ordinary.
	Kedge										

Particulars of Drop Test of Cast Steel Anchors, viz.:- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	34 Cwts 2 qrs 14 lbs (incrim)	D.D.W.	5747.	S. 19.4.23.	✓
	2nd "	34 " 3 " 6 "	"	5749.	S. 29.6.23.	✓
	3rd "	33 " 2 " 18 "	"	4-W.P. 3720	C. 21.2.19.	✓
	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.				
	Fathoms.	Ins.	Tons.	Cwts.	qrs.	lbs.	Fathoms.	Ins.	Tons.	Cwts.					qrs.	lbs.	Fathoms.	Ins.	Tons.	Cwts.	qrs.	lbs.	
26494	270	2 3/16	86 1/2	120 1/2	645	3	2	645	3	2	270	2 3/16	Link R. Sykes & Co. Ltd. C. 1942.3.2. Jones		TOWLINE	120	4 3/4	47	120	4 3/4			
															HAWSERS & WARPS	2090	8		2090	8			
Iron Steam Steel Wire	90	4 3/4	47						90	4 3/4	47	Wire R. Kinnell & Co.		" "		2090	7		2090	7			
															" "								

Boats 2 lifeboats 23'0", 1 Cutter 18'3", 1 dinghy 18'3". Steering Gear, Steam Donkin & Co. Steering Gear, Hand none. Diameter of Barrel none. State whether they are in efficient working order none.

Windlass is Steam. Emerson Walker & Thompson Bros Ltd. Capstan Steam (31) Emerson, Walker & Thompson Bros

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

Coal Bunker Openings.—How constructed? Steel plates & angles. How are lids secured? Turnbuckles. Height above deck? 30"

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 Scuppers each side of upper deck. Open rails.

Ceiling in Hold, thickness and material none.

Cargo Hatchways.—How formed? Plates & angles. Cargo Battsens, thickness and material none.

State size No. 1 Hatch (Forward) 8'5" x 15'0". No. 2 Hatch No. 3 Hatch No. 4 Hatch

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch one web to No 1 hatch.

No. of Breasthooks 10 inc decks. No. of Crutches Deep floors.

Bulwarks, height above deck and description Main Rail, material and size

The foregoing is a correct description of the vessel. **TYNE IRON SHIP-BUILDING CO. LIMITED.**

Builder's Signature (here only) *Thomson* Surveyor's Signature *S. J. Robson* *Mrs. Munro* *J. Hargreaves*

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)

May 6 M. July 13 M. Oct 29 M. *General Manager* *1921* *Feb 8. 21. Apr. 11*

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? *Yes.* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes.* Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing 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.) *The workmanship and materials are good. This vessel has been built in accordance with the accompanying plans and the Secretary's letters dated as above, and in conformity with the Rules for the class contemplated. All the oil compartments, cofferdams, summer tanks, oil fuel bunkers, peak tanks, deep tank and double bottom tanks aft have been tested to Rule Requirements and found satisfactory. The scantlings and arrangements in machinery space and forward of machinery space are as approved. The scantlings of the entire line of transverse bulkhead plating & stiffeners at fore end increased above floor plate and lower stiffener as per Rule and webs increased in depth on account of increased depth due to sheer. On completion the vessel was placed in dry dock and the*

The Surveyor should state the Number of Report and Name of any Sister Vessel. *P.T.O.*

Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee £ *9* : 0 : 0 *1924 MAR 1924*

Special Survey Fee.... £ *5* 11 : 4 : 9 *Received by me, 12/4/24*

Travelling Expenses, if any £ *11* 0 : 0 *Shul & Inghy*

State whether the Vessel has been built under Special Survey *Yes.* Certificate sent to *Newcastle* Date of issue *12/4/24*

I am of opinion this Vessel should be Classed *Long framing* *Charging petrolum in bulk.* *S. J. Robson.*

With, or without Freeboard, as condition of Class *Without.* *24. F.P. above 150.*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI 21 MAR. 1924*

Character assigned *Carrying petrolum in bulk*

Lloyd's A & B.O.

Union R & Co.

My

21 MAR 1924

Lloyd's Register Foundation

W134 - 0150 (1313)

GENERAL REMARKS (continued)

bottom and rudder, cleaned, examined and recoated.
 Settling tanks tested and Section 49 of the Rules generally
 complied with.
 It will be observed that the weight of the stream anchor
 ex stock is under the Rule weight, but as the total weight
 is above Rule, it is submitted that the anchor might
 be accepted.
 Plans 23 in No. enclosed also 6 Forging Reports.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 91.83 ft., R.Q.D. ✓ ft., Bridge 36.5 ft., Forecastle 4 ft.
 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *not joined*

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). *2 Decks all.*
 Official No. 148055; Signal Letters. State if Machinery is fitted aft *yes.*
 How are the surfaces preserved from oxidation? Inside *Paint & cement clear of oil.* Outside *Paint.*

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

Where Fitted.	Length.		Water Capacity.		Where Fitted.	Length.	
	Feet.	Tons.	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,					Fore peak tank,	19.5	
Double bottom, under Engines and Boilers,					After peak tank,	14.0	
Double bottom, if under Engines only,	27.0	46			Deep tank, aft,		
Double bottom, if under Boilers only, <i>oil fuel</i>					Deep tank, forward,		
Double bottom, forward,					Other tanks, if fitted,		
Total capacity of double bottom				46.	(If necessary, furnish further information by sketch.)		

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

State whether the above have been tested as required by the Rules *yes.*

Order for Special Survey No. 4977

Date 15/9/21

No. 225 in builder's yard.

Dates of Surveys held while building

1921
 Mar. 16, 21, 23, Apr. 4, 7, 8, 14, 20, June 1, 7, 9, 15, July 7, 25, Aug. 19, 23, Oct. 13, 26, 28, Nov. 14, 16, 20, Dec. 16, 19, 19, Jan. 9, 30, Feb. 27, Mar. 9, 13, 21, 23
 Apr. 10, 26, 28, May 4, 5, 9, 12, 15, 16, 31, June 2, July 17, 24, 27, 29, Aug. 2, 4, 14, 23, 29, Sep. 2, 4, 13, 20, 29, Oct. 10, 15, 24, Nov. 6, 7, 9, 10, 13, 15, 17, 20, 22, 26, 28
 1923
 Jan. 4, 9, 11, 17, 19, 23, 25, 30, Feb. 21, 23, Mar. 6, 8, 16, 21, 28, Apr. 13, 24, May 4, 8, June 8, 14, 15, Aug. 2, 16, 27, 28, 30, 31, Sept. 3
 1924
 Oct. 1, 5, 9, 12, 17, 19, 24, 30, Nov. 1, 9, 14, 15, 16, 21, 23, 27, 28, Dec. 4, 6, 7, 20, Jan. 9, 14, 17, 24, Feb. 4, 11, 13, 16, 26, 29, Mar. 4, 7.

Total No. of Visits 14

Surveyor's Signature

S. J. Adson