

## STEEL STEAMER or MOTORSHIP.

FEB 17 1938

Received at London Office

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

15<sup>th</sup>

Feb. 1938

Port of

NEWCASTLE-ON-TYNE

No.

95945

Survey held at

Newcastle-upon-Tyne

Date First Survey

14 July 1937

Last Survey

9 Feb. 1938

1938

On the

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

"TASSO"

Single Screw

Machinery amidships

State Type

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

Complete Superstructure with Tonnage opening

State Type of Erections

C.S.S.

TONNAGE under  
Tonnage Deck...

1220.42

CLASS

+ 100A.1

State if with freeboard  
as condition of Class

Yes

Built at

Newcastle-upon-Tyne

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

LENGTH OVERALL

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

295.2

Launched

17<sup>th</sup> Dec 1937

Yard No.

1580

Total

Gross Tonnage

1586.29

Register Tonnage

764.57

Breadth (greatest moulded)

B 40.0

Builders

Swan Hunter &amp; Wigham Richardson Ltd.

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

D 25.25

Owners

Ellerman's Wilson Line Ltd.

1st Longitudinal Number (L x D)

= 7070

Managers

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

2nd Numeral L x (B + D)

= 18270

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

14.66

Residence

Proportions—Depth to Length—Uppermost con-  
tinuous deck to top of keel

11.2

Port of Registry

Hull

Do. Long Bridge to top  
of keel

Draught Moulded

16' 10 1/2"

If surveyed while building, afloat, and  
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	27	✓			Bracket Floors, Frame	7	5 1/2	3	31	✓
" " from 3/8 length to Collision bulkhead	27	✓			" " Reversed Frame	7	5	3	31	✓
" " in peaks	24	✓			" " Vertical Struts	7	5	3	31	✓
SIDE FRAMING.					Centre Girder, depth and thickness amidships		34	x	44	✓
Frame Amidships, Angle, E or C	8	3	34	7 1/2 x 3 x 34	" " top Angles		3	3	38	✓
" " Extends up to	2 <sup>nd</sup> dh	✓			" " bottom Angles		3 1/2	3 1/2	44	✓
Reversed Frame Amidships, Angle		✓			Side Girders, No. each side and thickness		1	at	32	✓
" " Extends up to		✓			Margin Plate depth (excl. of flange) and thickness		25	x	41	✓
Depth of Framing Girder	8"	✓			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		3	3	34	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	5	3	28	scantled (See 17.4.37)	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem		3	3	34	✓
" " Second 'tween Decks, Angle, E or C		✓			" " Gussets, spacing and scantling abaft 1/2 len. from stem		6	6	40	✓
" " Third " " " "		✓			" " Gussets, spacing and scantling forward 1/2 len. from stem					✓
Framing in Peaks, Angle or C	FP 6	3 1/2	28	5 1/2 x 3 x 34	Tank Side Brackets, height above base line at toe of Frame and thickness		52	x	38	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	3/4 - 5/4	✓			INNER BOTTOM PLATING.					
State if Frame Joggled	Yes	✓			Breadth and thickness of Middle Line Strake		62	x	42	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Deep framing and stringers as per approved plan	✓			Thickness of remainder in Holds		37		✓	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	Shell increased, additional intercostal girders & double riveted frames as per approved plan	✓			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		✓	
STRENGTHENING FOR NAVIGATION IN ICE.	Shell and framing etc increased as approved	✓			BEAMS.					
SINGLE BOTTOM.					Uppermost Continuous Deck, amidships		6	3	39	✓
Floors, Depth and thickness at mid line in Holds					" " in Wells, Angle, E or C		5 1/2	3	32	✓
Height of Brackets at side above base line at toe of frame					" " in way of Bridge, Angle, E or C					✓
Middle Line Keelson, on Floors, Angles, E or C					Spacing		27		✓	
" " Through Plate or Intercostal Plate					Second Deck, amidships, Angle, E or C		8	3	35	✓
" " Foundation Plate on Floors					Spacing		7	3	33	✓
" " Flat Plate Keel Angles					Third Deck, amidships, Angle, E or C		6	3	35	✓
Side Keelsons, No. each side					Spacing		27		✓	
" " thickness of Intercostal Plate					Fourth Deck, amidships, Angle, E or C				✓	
" " Angles					Spacing				✓	
DOUBLE BOTTOM.					Poop Deck, Angle, E or C				✓	
Solid Floors, thickness and spacing	34 alt	✓			Spacing				✓	
" " Are Frame and Reversed Frame joggled?	Frame Yes Rev. No	✓			Bridge Deck, Angle, E or C				✓	
Bracket Floors, breadth and thickness at middle line	25" x 34	✓			Spacing				✓	
" " breadth and thickness at margin plate	34 1/2 x 34	✓			Forecastle Deck, Angle, E or C				✓	
					Spacing				✓	



## 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.
<b>PILLARS</b> , No. of Rows.....	2		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
„ in 'tween Decks, Size and Spacing.....	} <i>wide Spaced pillars as Approved</i> ✓		Thickness of Plating abreast Deck openings in way of Wells .....	28 ✓	✓
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
„ in Holds „ „			Thickness of Plating within line of openings...	28 ✓	✓
„ „ „ „ „			If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of .....	✓		If Plated, state thickness.....	✓	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	48" x 40 ✓ 49 x 39 ✓		If Plated, state thickness .....	✓	
„ „ „ „ in way of Bridge	✓		<b>Poop Deck.</b>		
„ Angle in Wells .....	3 1/2 3 1/2 40 ✓		Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings in way of Wells .....	32 ✓ ✓		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge .....	28 inside accommodation ✓		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	28 ✓ ✓		Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness .....	1 1/4" compression inside accommodation ✓		Plating, Sheathing, material and thickness ..	✓	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	44" x 34 ✓ see plan		Stringer Plate, breadth and thickness.....	✓	
			Plating, Sheathing, material and thickness ...	✓	

## SHELL PLATING.

SCANTLINGS.						RIVETING. <i>Amids hips</i>						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>No</i>			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or. to or.		Diam.	Spacing or. to or.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL .....	46	.54 ✓	.54 ✓	.54 ✓	.54 - .50 ✓	Double	3/4	3 ✓	Triple	7/8	3 1/8 ✓	Lapped
„ DBLG. (if any)												
BOTTOM PLATING, No. of of Strakes ..... 2..}		.47 ✓	.66 ✓	.41 ✓	.47 - .41 ✓	Double	3/4	3 ✓	Triple	3/4	2 5/8 ✓	„
BILGE PLATING, No. of Strakes ..... 1..}		.47 ✓	.66 ✓	.41 ✓	.47 - .41 ✓	Double	3/4	3 ✓	Triple	3/4	2 5/8 ✓	„
SIDE PLATING, No. of Strakes ..... 2..}		.47 ✓	.66 ✓	.40 ✓	.47 - .40 ✓	Single	3/4	3 ✓	Triple	3/4	2 5/8 ✓	„
UPPER DECK, Sheer- strake in Wells.....}	56	.52 ✓	.40 ✓	.40 ✓	48" x .52 - .40 ✓	-	-	-	Triple	7/8	3 1/8 ✓	„
UPPER DECK, Sheer- strake in Bridge ...}		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
STRAKE BELOW Sheer- strake in Wells.....}		.48 ✓	.40 ✓	.40 ✓		upper Seam Double	3/4	3 ✓	Triple	3/4	2 5/8 ✓	Lapped
STRAKE BELOW Sheer- strake in Bridge ...}		✓							✓			
POOP SIDE PLATING .....		✓							✓			
BRIDGE SIDE PLATING ...		✓							✓			
FORE'C'TLE SIDE PLATING		✓							✓			

## WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c)	1 ✓				
" Deck next below	4 ✓				
As per Rule	4 ✓				

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks					
" " Second "					
" " Third "					
" " Holds	34-26	7x3x.377	30"		
COLLISION " (in Hold)	42-32	6x3x.3676	24"		
AFTER PEAK " "	37-30	5x3x.2876	24"		
		4x3x.30 0.9	24"		

KEEL, Bar		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
STEM	rolled		7 3/4 x 2 1/8 ✓		
STERN FRAME	Propeller Post	Steel Casting	8 5/8 x 5 1/2	Nederlandsche Staal en IJzerfabrieken	
	Rudder	" "	8 1/2 x 5 1/2		
Speed of Vessel			12 3/4 knots ✓		
RUDDER—Type			✓		
" A x D			226 ✓		
" Diam. of head	Forging Steel.		8 1/2" ✓	Koninklijke Stoom- en IJzerfabriek	
" Mainpiece at top pintle			7 1/2 x 8 1/2 ✓	Staal (Strommens)	
" " heel			5 x 8 1/2 ✓	Casting (Strommens)	
" how constructed			arms cast on main piece rudder plate riveted		
" double or single plate			double ✓		
" coupling, vertical or horizontal			Long on side ✓		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open hearth  
Consett Iron Co, Appleby Frodingham Steel Co Ltd, South Durham Steel Co, Norman Long & Co, Raine & Co,  
Stirling Iron Co, Steel Co. of Scotland, Lancashire Steel Co Ltd, Cargo Fleet Iron Co, Columbus Ltd.  
 Has the Steel been tested as required by the Rules? Yes



FEB 17 1938

EQUIPMENT No 18761 ✓										LETTER S. ✓		ANCHORS.			
Number of Certificate.	Anchor.	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.			
3425	1st Bower ...	34	-	-	Stockless			33	15	-	✓		Byen Imp. Stockless	not stated	Sld 12/8/37 W. Norman
3428	2nd „ ...	36	2	-	“			33	8	3	✓		“	“	“ 13/8/37 “
3432	3rd „ ...	36	2	-	“			33	8	3	✓		“	“	“ 16/8/37 “
	Collective weight.	110	-	-								110 ✓			
50541	Stream .....	10	0	2	2	2	5	12	-	-	7	10 ✓	ordinary forged W. J. Anchor	“	C.H. 30/6/37 F. Paul

## CHAIN CABLES.

## HAWERS 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.	
			Statu- tory.	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.
54717	240	1 <sup>13</sup> / <sub>16</sub>	59 <sup>3</sup> / <sub>4</sub>	82 <sup>3</sup> / <sub>4</sub>	398-1-14	397 <sup>3</sup> / <sub>4</sub>	240	1 <sup>3</sup> / <sub>16</sub>	stud	not stated	C.H. 30/6/37 F. Paul	TOWLINE...	90	4"	36 <sup>3</sup> / <sub>10</sub>	90	4"
	✓	✓															
												HAWSEERS & WARPS	180	2 <sup>1</sup> / <sub>2</sub>	13 <sup>1</sup> / <sub>2</sub>	180	2 <sup>1</sup> / <sub>2</sub>
													180	2 <sup>1</sup> / <sub>4</sub>	11 <sup>9</sup> / <sub>10</sub>	180	2 <sup>1</sup> / <sub>4</sub>
	✓	Cir.	✓	✓				Cir.				"					
Iron Stream Chain or Steel Wire	75	4 <sup>1</sup> / <sub>4</sub>		37 <sup>9</sup> / <sub>10</sub>			75	4 <sup>1</sup> / <sub>4</sub>	S.W.	✓		"					

Steering Gear, Steam *Dunkin's (Wilson Perrie Type)* ✓ Steering Gear, Hand *combined hand + steam* ✓

Boats *2 - 27-0 x 8-4 x 3-4* ✓ Steering Chains, Size and Test ✓ Windlass *Steam (Emmerson Wellen)* ✓

Ceiling in Holds, thickness and material *2 1/2" under hatchways & over bulges* ✓ Cargo Battens, thickness, material and spacing *6 x 2" W.W. 9" apart in holds & tween decks* ✓

Cargo Hatchways.—(Upper Deck) *Steel plates & Bull angles* ✓ Thickness of Hatches *3" cargo hatchways (weather decks)* ✓

Size of No. 1 Hatchway (Forward) *24'9" x 14'0"* No. 2 *29'3" x 14'0"* No. 3 *22'6" x 14'0"* No. 4 *15'9" x 14'0"* No. 5 No. 6

Number of Shifting Beams and for Fore and Afters *4 at 4'11 3/8" 5 at 4'10 1/2" 3 at 5'7 1/2" 2 at 5'3"* ✓

*T & B rolling hatch beams fitted* ✓

FOR SWAN, HENDERSON & RICHARDSON, LTD,  
Builder's Signature *W. J. Paul*

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel *Not. Motor* ✓  
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *Not oil tanker* ✓ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point. ✓

This vessel has been constructed in accordance with the approved plans, the Secretary's letters, and generally conforms with the Society's rules for the class contemplated. The materials & workmanship are good. The weather decks, W.T. Bulkheads, tunnel and W.T. door have been hoisted and found satisfactory. All double bottom tanks, and peak tanks have been tested as required by the rules and found satisfactory. The assigned freeboards have been marked on the vessel's sides, verified & cut in. The requirements of Section 40 of the Rules for "Strengthening for ice navigation" have been complied with.

The amount of Entry Fee ..... £ 5 : - : - Fees applied for, *16 FEB 1938*  
Special Survey Fee.... £ 154 : 6 : - Received by me, *25/2/38*  
*Freeboard Survey Fee*  
*Travelling Expenses, if any* £ 11 : - : - *26/2/38*  
State whether the Vessel has been built under Special Survey *Yes* ✓ I am of opinion the Vessel should be Classed *+ 100 A.1.*  
*with freeboard.*  
Signature *W. J. Paul*  
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Newcastle*. Date of issue *28/2/38*.

Committee's Minute

TUE. 22 FEB 1938

Character assigned

+ 100 A1

with freeboard

+ Lmc 2.38

Lloyds A &amp; C

Strengthened for Navigation in Ice

2 SB 210lb

20 CR.

O.L.



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Lloyd's Register  
Foundation

W87-0101 2/2



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.)

approved plans ( 10 in number ) attached and also midship Section + Profile + decks as fitted .  
Forging reports attached

Kindly return the approved plans for use for the sister vessel now building

Damage stated to have been sustained by fire in Starboard side bunker on 20<sup>th</sup> January 1938 whilst lying afloat at S.H.W.R. Neptune Shipyard Walker-on-Syne

Now Done: Vessel placed in dry dock, bottom + midship examined

Repairs :- Shell plates E8 + F9 renewed  
Bottom bunker casing plate renewed  
wood ceiling renewed  
Bunkers + bilges cleaned & recoated as necessary.  
a few minor repairs effected. ✓

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

"Strengthening for navigation in Ice" ✓

Cruiser Stern

Length overall 295'-2" ✓

		weight	Surveyors Initials	No of Certificate	date of test
Particulars of <b>Drop Test</b> of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	23-0-27 ✓	W.H.	6849	23-7-37
	2nd "	23-0-14 ✓	W.H.	6851	23-7-37.
	3rd "	23-0-14 ✓	W.H.	6749	30-6-37.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle ✓ ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated Complete Superstructure Vessel.

No. and Material of Decks Skillet dk (steel) and 1 dk (steel) 1 dk and skillet dk ✓

Official No. 165697 ; Signal Letters G.D.G.X. Is bottom of vessel coated with cement part. if not give

particulars of composition Cement Jillets clear of Machinery spaces, Bituminous enamel in Eng Rm D.B., Cement in Blr room D.B. ✓  
Cement in peaks. ✓

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Salt Water Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Salt Tons.
Double bottom, aft,	74'-3" ✓	89 ✓	Fore peak tank,	16'-3"	14 ✓
Double bottom, under Engines and Boilers, (F.W.L.)	42'-9" ✓	91 ✓	After peak tank,	14'-0"	37 ✓
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	119'-3" ✓	183 ✓	Other tanks, if fitted,		
	236'-3" Total capacity of double bottom	363	(If necessary, furnish further information by sketch.)		

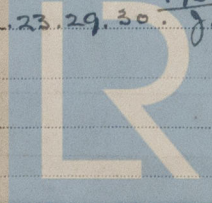
\* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 5855

Date 10.9.37

Dates of Surveys held while building

1937 Jan 14 Aug 3.26.30.31 Sep 1.16.17.20.27.30 Oct 6.12.14.19.20.21.22.25.26.27.29.  
Nov 1.2.3.4.10.11.17.22.26.30 Dec 1.7.14.17.22.23.29.30 1938 Jan 4.7.11.14.20.21.26.27.31.  
Feb 3.4.7.9.



Lloyd's Register  
Total No. of Visits 54