

STEEL STEAMER or ~~MOTORSHIP~~.

Received at London Office 18 SEP 1925

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 17<sup>th</sup> September 1925 Port of WEST HARTLEPOOL No. 16338  
Survey held at WEST HARTLEPOOL Date First Survey 20<sup>th</sup> January Last Survey 12<sup>th</sup> SEPTEMBER 1925  
On the SS "KIWITEA"State Type FULL SCANTLING State Type of Erections POOP, TRUNK & FORECASTLE

TONNAGE under Tonnage Deck... 1949.15 CLASS 100 A1 State if with freeboard as condition of Class No Built at WEST HARTLEPOOL  
Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓ Length from fore part of stem to after part of stern L 280.0 Launched 22-6-25 Yard No. 975  
Total 1949.15 Breadth (greatest moulded) B 44.08 Builders W<sup>m</sup> GRAY & CO LTD  
Gross Tonnage 2342.85 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 21.125 Owners UNION S.S COY OF NEW ZEALAND  
Register Tonnage 1165.51 1st Longitudinal Number (L x D) = 5915 Managers ✓  
(Where necessary to be entered in Reg. Book.)  
2nd Numeral L x (B + D) = 18257 Residence ✓  
REGISTERED DIMENSIONS. FEET.  
Length 280.0 Framing Depth "d," at middle of length. See Sec. 3 (1d) 11.7 Port of Registry WELLINGTON  
Breadth 44.3 Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.25 If surveyed while building, afloat, 8 in dry dock  
Depth 18.9 Draught Moulded 18-24 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	24	✓	Bracket Floors, Frame	✓	
" " from 1/2 length to Collision bulkhead	24	✓	" " Reversed Frame	✓	
" " in peaks	24	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	35 44	✓
Frame Amidships, Angle <u>E</u> or <u>F</u>	7 3 36	✓	" " top Angles	3 3 42	✓
" " Extends up to	BOTTOM OF SIDE TANKS	✓	" " bottom Angles	3 3 46	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	ONE 34	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	24 40	✓
Depth of Framing Girder	7	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 3 34	✓
Frames in Uppermost Continuous 'tween Decks, Angle, <u>E</u> or <u>F</u>	✓		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	DOUBLE 3 34	✓
" " Second 'tween Decks, Angle, <u>E</u> or <u>F</u>	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	EVERY 5 <sup>th</sup> FRAME 24 34 34	✓
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/4 len. from stem	EVERY 4 <sup>th</sup> FRAME 24 24 34	✓
Framing in Peaks, Angle <u>E</u> or <u>F</u>	5 3 47	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	50 36	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 @ 7 dia	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake	45 40	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	DEEP FRAME SYSTEM AS APPROVED	✓	Thickness of remainder in Holds	34	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	B, C, D STRAKES 1/2 THICKNESS TO G. B. RIVETS IN BOTTOM FRAMES 5/8 DIA. ADDITIONAL INTERCOSTALS	✓	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	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Wolls, Angle, <u>E</u> or <u>F</u>	6 3 40	✓
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, <u>E</u> or <u>F</u>	✓	
Middle Line Keelson, on Floors, Angles, <u>E</u> or <u>F</u>	✓		Spacing	14 24	✓
" " Through Plate or Intercostal Plate	✓		Second Deck, amidships, Angle, <u>E</u> or <u>F</u>	✓	
" " Foundation Plate on Floors	✓		Spacing	✓	
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, <u>E</u> or <u>F</u>	✓	
Side Keelsons, No. each side	✓		Spacing	✓	
" " thickness of Intercostal Plate	✓		Fourth Deck, amidships, Angle, <u>E</u> or <u>F</u>	✓	
" " Angles	✓		Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, <u>E</u> or <u>F</u>	7 3 34	✓
Solid Floors, thickness and spacing	34 24	✓	Spacing	24	✓
" " Are Frame and Reversed Frame joggled?	YES	✓	Bridge Deck, Angle, <u>E</u> or <u>F</u>	✓	
Bracket Floors, breadth and thickness at middle line	✓		Spacing	✓	
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, <u>E</u> or <u>F</u>	7 3 34	✓
			Spacing	24	✓



## 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, No. of Rows.</b> <i>DEEP BEAMS... FITTED IN LIEU AS PER APPROVED PLAN.</i>							
" in 'tween Decks, Size and Spacing.....	2 1/2	48					
" " " " " "							
" in Holds " "							
" " " " " "							
<b>Centre Line Bulkhead.</b>							
Stiffeners and Spacing.....							
Plating, thickness of .....							
<b>STRINGERS AND DECKS.</b>							
<b>Uppermost Continuous Deck.</b>							
Stringer Plate, breadth and thickness in Wells	60	54					
" " " " " in way of Bridge							
" " " " " "							
Angle in Wells .....	6	6	50				
Thickness of Plating abreast Deck openings in way of Wells .....			46	06 ADDED FOR OWNERS.			
Thickness of Plating abreast Deck openings in way of Bridge .....							
Thickness of Plating within line of openings... <i>TRUNK.</i>			34				
If Sheathed, material and thickness .....							
<b>Second Deck.</b>							
Stringer Plate, breadth and thickness in Wells...							
Stringer Plate, breadth and thickness in way of Bridge							
Thickness of Plating abreast Deck openings in way of Bridge							
Thickness of Plating within line of openings...							
If Sheathed, material and thickness .....							
<b>Third Deck.</b>							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness.....							
<b>Fourth Deck.</b>							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness .....							
<b>Poop Deck.</b>							
Stringer Plate, breadth and thickness .....						31	
Plating, Sheathing, material and thickness						STEEL .31	
<b>Bridge Deck.</b>							
Stringer Plate, breadth and thickness.....							
Plating, Sheathing, material and thickness ...							
<b>Forecastle Deck.</b>							
Stringer Plate, breadth and thickness.....						32	
Plating, Sheathing, material and thickness ...						STEEL .30	

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	No.	Diam.	Spacing cr. to cr.	No. of Rows of Rivets.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.							Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches. F.P.B. <sup>NO</sup>	Inches. A.P.B. <sup>NO</sup>		SINGLE OR DOUBLE.					Diam.	Spacing cr. to cr.	
FLAT PLATE KEEL	44 1/2	69	67	65	10 ADDED FOR OWNERS	2R	1/2	3 3/8	3R	1/2	3 3/8	LAPPED	
" DBLG. (if any)	✓	✓											
BOTTOM PLATING, No. of Strakes		47	47	40		2R	3/4	3 1/2	3R	3/4	2 3/8		
BILGE PLATING, No. of Strakes		"	43	42									
SIDE PLATING, No. of Strakes		"	41	42		1 SEAM 1R 1 SEAM 2R							
UPPER DECK, Sheer-strake in Wells	48	67	54	42		2R	1/2	3 3/8	4R	1/2	3 1/2		
UPPER DECK, Sheer-strake in Bridge													
STRAKE BELOW Sheer-strake in Wells	60	57	46	43		2R			3R	1/2	3 3/8		
STRAKE BELOW Sheer-strake in Bridge													
POOP SIDE PLATING	✓	✓	✓	33		{ 2R 1R	3/4	3 1/2	2R	3/4	2 3/8		
BRIDGE SIDE PLATING	✓	✓	✓	✓		✓	✓		✓				
FORE'C'TLE SIDE PLATING	✓	✓	35	✓		1R	"	"	1R	"	"	"	

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>			
Extending to Upper Deck (Sec. 3 c)	FOUR.		
" Deck next below			
As per Rule	FOUR.		
	Plating Thickness.	STIFFENERS.	
		VERTICAL.	HORIZONTAL.
		Scantlings/Spacing.	Scantlings/Spacing.
MIDSHIP BULKH'D, Upper tween decks			
" " Second "			
" " Third "			
" " Holds .....	89	37-26 10 3/2 x 1/4	30 TOPSIDE TANKS.
COLLISION " (in Hold) .....	46-26 7 x 3/4	24 1 SEAM BOX BEAM.	2 W.T. FLAT.
AFTER PEAK " " .....	44-30 6 x 3/4	24 RECESS TOP	

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	FLAT PLATE KEEL.			
STEM	ROLLED	7 1/4 x 2 1/2	HICKMAN LTD	
STERN FRAME	Propeller Post	FORGING	8 1/2 x 5 1/2	CENTRAL MARINE ENGINE WORKS
	Rudder	"	7 1/2 x 5 1/2	"
RUDDER—A x D.....		85.7 x 2.07	246	
Speed of Vessel.....		NOT > 10 KNOTS		
RUDDER mainpiece at head	FORGING	7 1/4	CENTRAL MARINE E.W.	
" " heel	"	5 1/2		
" how constructed	FORGED & BUILT.			
" double or single plate coupling, vertical or horizontal.....		.96		

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) **SIEMENS' PROCESS.****STEEL.** **DORMAN LONG & CO. LTD.; CARGO FLEET CO.; SOUTH DURHAM STEEL & IRON CO.; PEASE & PARTNERS;**Has the Steel been tested as required by the Rules? **YES**

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EQUIPMENT No. <20600										LETTER S		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.			
40932	1st Bower ...	36	3	12	✓			33	13	1	21	36 3/4	Britannic (Cast S.D.) R. Sykes & Sons Ltd		12/5/25 S.C. Paul
40923	2nd „ ...	36	3	9	✓			"	"	"	"	36 3/4	"		6/5/25 "
40922	3rd „ ...	36	3	0	✓			33	11	3	14	36 3/4	"		"
	Collective weight.	110	1	21								110			
16122	Stream .....	11	1	0	2	3	7	13	2	2	0	10	Common	Hendricks & Ryde Ltd	28/5/25 A. Jones

CHAIN CABLES.										HAWSERS 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.	Stations.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Ins.					Length.	Ins.		Length.	Ins.
28761	240	1 <sup>13</sup> / <sub>16</sub>	598	82 <sup>3</sup> / <sub>4</sub>	415	1 7	397 <sup>3</sup> / <sub>4</sub>	240	1 <sup>13</sup> / <sub>16</sub>	Stud Link	Hendrick & Mole Ltd	Cy 23/5/25 A Jones	TOWLINE ...	Fathoms. 90	Ins. 4	Tons. 43.6	Fathoms. 90	Ins. 4	
Iron Stream Chain or Steel Wire	75	4 <sup>1</sup> / <sub>4</sub>	52 <sup>1</sup> / <sub>2</sub>					75	4 <sup>1</sup> / <sub>4</sub>	SWR.	Edwin Ellis & Co.		HAWSERS & WARPS	2x90	2 <sup>1</sup> / <sub>2</sub>	12 <sup>1</sup> / <sub>2</sub>	2x90	7"	
													"	2x90	2 <sup>1</sup> / <sub>4</sub>	9 <sup>1</sup> / <sub>2</sub>	2x90	6"	

Steering Gear, Steam ~~BY~~ BROWN BROS & CO LTD EDINBURGH. Steering Gear, <sup>Aux</sup> ~~Lead~~ LEAD TO WINCH.

Boats 2-26' LIFEBOATS; 1-14' DINGHY Steering Chains, Size and Test STEERING GEAR DIRECT ACTING Windlass CLARK CHAPMAN & CO

Ceiling in Holds, thickness and material 2 1/2" PINE & 3" OAK. Cargo Battens, thickness, material and spacing 6" x 2" PINE 8" APART

Cargo Hatchways. (Upper Deck) STEEL PLATES & ANGLES AS APPROVED Thickness of Hatches HOGG CARR PATENT COVERS.

Size of No. 1 Hatchway (Forward) 18' x 19' 4 1/2" No. 2 18' x 24" No. 3 18' x 24" No. 4 18' x 24" No. 5 18' x 24" No. 6 ✓

Number of Shifting Beams and/or Fore and Afters HOGG CARR PATENT COVERS FITTED AS APPROVED for William Gray & Co. Limited

Builder's Signature *F.C. Pyman* Managing Director

GENERAL DECLARATION This vessel has been built in accordance with the approved plans, the Secretary's letters and in other respects in accordance with the rules. The materials and workmanship are good. The W & D bulkheads, decks and Hogg Carr patent hatch covers have been tested by hose and found satisfactory. The double bottom, topside and fore and after peak tanks have been tested under rule pressure and found tight. The steam and auxiliary steering gears and the fore peak hand pumps have been examined under working conditions and found satisfactory. The floorboards assigned by the Committee have been cut in and painted on the vessel's sides and verified. The vessel is fitted with wireless telegraphy & electric light and has cantilever framed topside tanks. The Machinery is fitted aft.

The amount of Entry Fee ..... £ 6 : 0 : 0 Fees applied for, 17.9.25

Special Survey Fee.... £ 192 : 3 : 0 Received by me, 17.9.25

Freeboard £ 7 : 0 : 0

Travelling Expenses, if any £ : : :

I am of opinion the Vessel should be Classed **± 100A.1**

State whether the Vessel has been built under Special Survey **YES** Signature *Thomas E. Snowden*

Certificate to be sent to **WEST HATFIELD** Date of issue **13/10/25.** Surveyor to Lloyd's Register of Shipping.

Committee's Minute **TUES. 22 SEP 1925**

Character assigned **+ 100A**

*Lloyd's arcl, + Lmb 9.25*

*Ch*

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The Surveyors are requested not to write on or below the Committee's Minute.



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.)

LIST OF APPROVED PLANS:

MIDSHIP SECTION 2. PLANS  
PROFILE & DECKS 1A. PLAN  
BOTTOM STRENGTHENING FORWARD  
W.T. BULKHEADS & PEAK TANKS  
TRUNK/SIDE PLAN  
TRUNK TOP BEAMS  
DEEP BEAMS IN LIEU OF HOLD PILLARS  
STERN FRAME & RUDDER  
PUMPING PLAN  
STEERING GEAR  
HOGG CARR PATENT HATCH COVERS  
CASING COAMING & BUNKER HATCHES

FORGING CERTIFICATES.

STEM BAR. (SEE REPORT N° 16323 HPL SS 'KARTIGI')  
STERN FRAME & RUDDER FRAME (DARLINGTON N° 4820)  
TILLER (N° 1136 F. LEITH)

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

1st Bower 22.0.6 ; K.H. ; 3908 ; 16.1.25.  
2nd „ 22.1.8 ; M.B. ; 2396 ; 30.3.26.  
3rd „ 22.1.22 ; K.H. ; 3202 ; 16.1.25.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 80.6 ft., R.O.D. ✓ ft., Bridge 170 ft., Forecastle 29.4 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) ONE DECK (STEEL)

Official No. 9/9/25 ; Signal Letters ✓ Is bottom of Vessel coated with cement YES if not

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, 33-126	186	509	Fore peak tank,		
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,		
Double bottom, if under Engines only,	26	59	Deep tank, aft,		
Double bottom, if under Boilers only,	20	38	Deep tank, forward,		
Double bottom, forward,	✓	✓	Other tanks, if fitted, SIDE WING TANKS		
Total capacity of double bottom		606	(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. 2317

Date 17.2.25.

Dates of Surveys held while building

1925 Jan 20.23.26.28.30. Feb. 11.17.19.24.26. Mar. 3.5.10.12.17.20.23.26.31. Apr. 2.7.9.16.21.23.27.  
May 1.5.8.13.15.19.21.27.29. Jun 4.8.11.16.18.22.25.26.30 July 2.7.10.14.16.17.22.24.28.  
Aug. 11.12.15.20.24.25.26.27.28.31. Sep. 1.3.7.8.9.12.

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Total No. of Visits 7