

STEEL STEAMER or MOTORSHIP.

28 JAN 1929

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

Survey held at

Port of

No. 10,103

On the

Date First Survey

Last Survey

19 29

State Type

TONNAGE under Tonnage Deck

CLASS 100A1

State if with freeboard as condition of Class

Built at Belfast

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

Total

Gross Tonnage

Register Tonnage

REGISTERED DIMENSIONS.

Length

Breadth

Depth

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

Breadth (greatest moulded)

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

1st Longitudinal Number (L x D)

2nd Numeral L x (B + D)

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

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

Do. Long Bridge to top of keel

Draught Moulded

FEET.

L 520

B 69

D 41.83

D 43.75

= 21752

= 57632

8.25

11.89

9.95

(28.0)

Launched 21st June 1928 Yard No. 806

Builders Harland & Wolff Ltd.

Owners Nelson Steam Nav Co. Ltd.

Managers H. & W. Nelson Ltd.

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

Residence London

Port of Registry Belfast

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	27				Bracket Floors, Frame	7 1/2	3 1/2	44	
" " from 1/2 length to Collision bulkhead	27				" " Reversed Frame	7 1/2	3 1/2	38	7 x 3 1/2 x 44
" " in peaks	24				" " Vertical Struts	7 1/2	8 1/2	44	
SIDE FRAMING.					Centre Girder, depth and thickness amidships	51	54		
Frame Amidships, Angle, []	7 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	" " top Angles	5	5	64	single
" " Extends up to	7 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	" " bottom Angles	5	5	64	single
Reversed Frame Amidships, Angle	3	3	36		Side Girders, No. each side and thickness	3	2 x 12	42	
" " Extends up to	Side Stringer				Margin Plate	58			
Depth of Framing Girder	7				" " Vertical Angles to Tank side	6	6	49	
Frames in Uppermost Continuous Decks, Angle, []	7 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	Bracket abaft 1/2 len. from stem	3 1/2	3 1/2	49	
do. " Second 'tween Decks, Angle, []	7 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	" " Vertical Angles to Tank side	6	6	49	
do. " Bridge	7 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	Bracket forward 1/2 len. from stem	3 1/2	3 1/2	49	
do. " " " "	7 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	Gussets, spacing and scantling abaft 1/2 len. from stem				
do. " " " "	7 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	" " Gussets, spacing and scantling forward 1/2 len. from stem				
Framing in Peaks, Angle, []	8 1/2	3 1/2	50		Tank Side Brackets, height above base line at toe of Frame and thickness	31	48		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	1 1/2	5 1/2	50		INNER BOTTOM PLATING.				
State if Frame Joggled	Yes				Breadth and thickness of Middle Line Strake	59	59	5	51
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Out frames 8 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	Thickness of remainder in Holds	48	48	5	51
STRENGTHENING OF BOTTOM FORWARD. State Particulars	3 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	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?	As approved			
Strengthening in Motor Room.	3 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	BEAMS.				
Floors, Depth and thickness at mid-line, in Holds	5 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	Uppermost Continuous Deck, amidships	8 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.
Height of Brackets at side above base line at toe of frame	8 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.	" " in Wells, Angle, []	8 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.
Middle Line Keelson, on Floors, Angles, [] or []	Side Stringer	36	40	with 3 x 3 1/2 x 34	" " in way of Bridge, Angle, []	8 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.
" " Through Plate or Intercoastal Plate	Side Stringer	36	40	with 3 x 3 1/2 x 34	Spacing	27			
" " Foundation Plate on Floors	Side Stringer	36	40	with 3 x 3 1/2 x 34	Second Deck, amidships, Angle, []	8 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.
" " Flat Plate Keel Angles	Side Stringer	36	40	with 3 x 3 1/2 x 34	Spacing	27			
Side Keelsons, No. each side	Side Stringer	36	40	with 3 x 3 1/2 x 34	Third Deck, amidships, Angle, []	8 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.
" " thickness of Intercoastal Plate	Side Stringer	36	40	with 3 x 3 1/2 x 34	Spacing	27			
" " Angles	Side Stringer	36	40	with 3 x 3 1/2 x 34	Fourth Deck, amidships, Angle, []	8 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.
DOUBLE BOTTOM.	Side Stringer	36	40	with 3 x 3 1/2 x 34	Spacing	27			
Solid Floors, thickness and spacing	Side Stringer	36	40	with 3 x 3 1/2 x 34	Fifth Deck, Angle, []	8 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.
" " Are Frame and Reversed Frame joggled?	Side Stringer	36	40	with 3 x 3 1/2 x 34	Spacing	27			
Bracket Floors, breadth and thickness at middle line	Side Stringer	36	40	with 3 x 3 1/2 x 34	Bridge Deck, Angle, []	8 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.
" " breadth and thickness at margin plate	Side Stringer	36	40	with 3 x 3 1/2 x 34	Spacing	27			
	Side Stringer	36	40	with 3 x 3 1/2 x 34	Forecastle Deck, Angle, []	8 x 3 1/2 x 34	50 F	6	Upper & Bridge Dks. Alt.
	Side Stringer	36	40	with 3 x 3 1/2 x 34	Spacing	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.....	Three		Stringer Plate, breadth and thickness in way of Bridge	70 .48 1.44	/
" " in 'tween Decks Size and Spacing.....	In way of Bridge 3 1/8, 3 3/8, 4 1/8, 5 1/8 dia. spaced 6'-9"		Thickness of Plating abreast Deck openings in way of Wells44 1/8 .40	/
" " clear of Bridge " "	3 1/8, 3 3/8, 4 1/8, 5 1/8 dia. spaced 6'-9"		Thickness of Plating abreast Deck openings in way of Bridge40	/
" " in Holds " " " "	In way of Bridge 5 3/4 dia. 6'-9"		Thickness of Plating within line of openings... ..	.36 1/8 .34	/
" " clear of Bridge " "	5 3/8 dia. 6'-9"		If Sheathed, material and thickness	5 x 2 1/2 PP in Accordance forward & aft. 1 1/4 Asphalt Emulsion's space.	/
Centre Line Bulkhead.			Third Deck.	70 x 42 1/8 41 x 38	/
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	70 x 34 in Bridge	/
Plating, thickness of	✓		If Plated, state thickness.....	38 1/8 .34 30 in Bridge	/
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	70 x 34 1/8 44 x 34	/
Stringer Plate, breadth and thickness in Wells	74 .88	/	If Plated, state thickness30	/
" " " " in way of Bridge	74 .48	/	Fifth Deck.		
" Angle in Wells	6 x 6 .88	/	Deck Deck.		
Thickness of Plating abreast Deck openings in way of Wells60 1/8 .56	/	Stringer Plate, breadth and thickness	70 x 34 1/8 44 x 34	/
Thickness of Plating abreast Deck openings in way of Bridge44 .46 1/8 .38	/	Plating, Sheathing, material and thickness30	/
Thickness of Plating within line of openings...	.36 in Bridge	/	Bridge Deck.		
If Sheathed, material and thickness	5 x 2 1/2 PP aft in accommodation. 1 1/4 Asphalt where exposed	/	Stringer Plate, breadth and thickness.....	74 x 82 standard abreast open side	/
Second Deck.			Plating, Sheathing, material and thickness ..	.48 1.46 5 x 2 1/2 PP	/
Stringer Plate, breadth and thickness in Wells...	70 .48 1/8 44	/	Forecastle Deck.		
			Stringer Plate, breadth and thickness.....	64 .42	/
			Plating, Sheathing, material and thickness ..	38 5 x 2 1/2 PP 10 x 4 Teak under windows	/

SHELL PLATING.

SCANTLINGS.						RIVETING.							
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 cr. to cr.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.				Inches.			Inches.		Inches.
FLAT PLATE KEEL	62	1-21	.94	.97	✓	Double	1/4	4 3/4	5	1/4	5 1/2	Lapped	
<i>in way Quot Keel</i>	62	1-21	1-21	✓	✓	"	1/4	4 3/4	5	1/4	5 1/2	"	
" Below it "	72 70 1/2 78 1/2 78	70	78 70 76 72 52	58 52 56 52	TREAD	"	7/8	3 3/8	4	7/8	3 1/2	"	
BOTTOM PLATING, No. of of Strakes 5	70 1/2	70	.64	.64	G	"	7/8	3 3/8	4	7/8	3 1/2	"	
BILGE PLATING, No. of Strakes 1	79 74 1/2 72 1/2 69	70	1-56 2-56 4-52 2-52	1-60 2-56 2-52	J K	"	7/8	3 3/8	4	7/8	3 1/2	"	
SIDE PLATING, No. of Strakes 8	80	✓	1-06-52	1-06-52	44 Doubling at Break Long aft	"	1 1/8	3 1/4 3 3/8	5 to 4	1 1/8 7/8	5 1/2 3 1/2	"	
UPPER DECK, Sheer- strake in Wells.....	80	70	✓	✓	N	"	7/8	3 3/8	4	7/8	3 1/2	"	
UPPER DECK, Sheer- strake in Bridge ...	77 1/2	✓	80 1/2-52	80 1/2-52	M	"	1 1/8	3 1/4 3 3/8	4	1 1/8	4 1/2 3 1/2	"	
STRAKE BELOW Sheer- strake in Wells.....	77 1/2	70	✓	✓		"	7/8	3 3/4	4	7/8	3 1/2	"	
STRAKE BELOW Sheer- strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING	47 66	.64 & .68	.88 Plated abreast	open side		Double	1 1/8	3 1/4 3 3/8	5 to 4	1	4 1/2 & 4	Lapped	
BRIDGE SIDE PLATING ...	✓	✓	.46	✓		"	3/4	3	3	3/4	2 1/4	Lapped	
FORE'TLE SIDE PLATING													

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		One	
Extending to Upper Deck (Sec. 3 c)		Eight.	
" Deck next below		Eight.	
As per Rule			
		STIFFENERS.	
		Plating Thickness.	
		VERTICAL.	HORIZONTAL.
		Scantlings. Spacing.	Scantlings Spacing
MIDSHIP BULKH'D,	Upper tween decks	27"-26 4x2 1/2x38 29"-30"	✓ ✓ ✓
"	"	32"-27 5x2 1/2x46 29"-30"	✓ ✓ ✓
"	"	34"-32 6x3x46 29"-30"	✓ ✓ ✓
"	"	43"-36 7x3x44 29"-30"	✓ ✓ ✓
"	Holds	48"-36 8x3x44 24"	5 B. Beam W.T. Flat
"	"	66"-34 7x3x42 23"-24"	W.T. Flat
COLLISION			
AFTER PEAK			

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓ Rolled	✓ 11" x 2 3/4"	B. Corville & Sons Ltd.	
STEM	Upper { Forefoot Casting	Open Section	Glyde Alloy Steel Co. Va.	
STERN FRAME {	Post Post	Open	the Steel Co. of	
Rudder "	Casting	Section	Scotland Ltd.	
RUDDER—A x D	as per forging	Approved plan	Darlington Forge Ltd.	
Speed of Vessel	15.9 knots			
RUDDER mainpiece at head ...		16" dia		
" " heel ...		18" dia.		
" how constructed		Forged arms shrink on & keyed.		
" double or single plate	Single.			
" coupling, vertical or				
horizontal	Horizontal.			

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Iron Piling*
Plates & angles. David Colville & Sons Ltd.

Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. 63525

LETTER *it*

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.
17332	1st Bower ...	Cwts. qrs. lbs. 100 3 21	Cwts. qrs. lbs. - - -	Tons. cwt. qrs. lbs. 67 12 - -	Cwts. 99 1/3	Sykes Britannia Type	R. Sykes & Son Ltd.	Cardiff 16/3/28 A. Jones.
17336	2nd " ...	100 3 21	- - -	67 12 - -	99 1/3	do	do.	do 17/3/28 do.
17331	3rd " ...	100 3 0	- - -	67 10 - -	99 1/3	do	do.	do 16/3/28 do.
	Collective weight.	302 2 14			298			
17337	Stream ...	31 2 0	8 0 14	29 15 - -	31	Common Anchor & Stock	do.	do 17/3/28 do.

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.	Statutory. Breaking.	Supplied. Per Rule.	Length. Diam.					Length. Cir.	Test of Steel Wire.	Length. Cir.
31703	330 2 3/8	133.4 186.75	1317-3-7 1317	330 2 3/8	Shad Link	R. Sykes & Son Ltd.	Cardiff 14/3/28 A. Jones.	TOWLINE ...	2-130 5 73	130 7	
	2 3/8	133.4 186.75	8-1-0 4-0-7					HAWSERS & WARPS	4-120 2 1/4 15 1/2	4-120 2 1/4	
	120 6	100		120 6		A. Thomson Black & Co Glasgow	Maken Certificate exam				

Steering Gear, Steam *Harland & Wolff* *Yell-Shaw* *Martineau* Steering Gear, HandBoats *14 lifeboats* Steering Chains, Size and Test *Windlass* *J. H. Wilson & Co. Skelton*Ceiling in Holds, thickness and material *Insulated* Cargo Battens, thickness, material and spacing *6" 2" W.P. in upper Tween Deck. 8" spacing.*Cargo Hatchways. (Upper Deck) *Steel plates & angles* Thickness of Hatches *3"*Size of No. 1 Hatchway (Forward) *22'-6" x 16'-0"* No. 2 *24'-9" x 16'-0"* No. 3 *24'-9" x 16'-0"* No. 4 *20'-3" x 16'-0"* No. 5 *20'-3" x 16'-0"* No. 6 *20'-3" x 16'-0"*Number of Shifting Beams and/or Fore and Afters *5 in each of Nos 1, 2, 3 hatches. 2 in each of Nos 4, 5, 6 hatches.*

FOR HARLAND AND WOLFF, LIMITED

Builder's Signature

Chas. Taylor

GENERAL DECLARATION This vessel has been built in accordance with the plans approved by the Committee, the Secretary's letter, and in general conformity with the Rules. The workmanship and materials are good. The Double Bottom Tanks, Peak Tanks, Oil Fuel Bunkers and Copperdams have been tested as required by the Rules with satisfactory results. The weather Decks and W.T. Bulkheads have been satisfactorily tested. The Steering Gear, Windlass, Bilge Pumps, Hand Pump, & W.T. Doors have been satisfactorily tested under working conditions. The Freeboard has been run up and cut in on the vessel's sides. The vessel is insulated for the carriage of frozen meat in all holds and tween decks below the 2nd Deck and also in No. 2 upper Tween Deck.

The amount of Entry Fee £ 12 : 0 : 0

Special Survey Fee.... £ 501 : 12 : 9

Freeboard 15 : 0 : 0

Travelling Expenses, if any £

Fees applied for,

26-9-1929

Received by me,

*5-2-29*I am of opinion the Vessel should be Classed *+100A1 with Freeboard.**Fitted for Oil Fuel 1,29. F.P. above 150° F.**Dist. Keel forward of Main space 169'*State whether the Vessel has been built under Special Survey *Yes*Signature *S. O. Kendall* *Jas Rennie*

Surveyors to Lloyd's Register of Shipping.

Certificate to be sent to *This office* Date of issue *Thurs. 7th. February 1929*

Committee's Minute

FRI. 1 FEB 1929

Character assigned

*+100A1 With Freeboard**Lloyds A & C.B.**+ L.M.C. 1:29 Oil Engines**Wick Rns.**R.C. 100lb.*

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Lloyd's Register Foundation

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.)

Sister vessel "Highland Monarch" Belfast Report No 10047.
8 forging & casting reports are forwarded herewith.
Verified copies of the approved plans are in the London office.

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

1st Bower	61. 3. 14.	C.H.S.	1859	8/12/27
2nd "	62-0-0.	C.H.S.	1855	8/12/27
3rd "	62-1-0.	C.H.S.	1858	8/12/27

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge 186.75 ft., Forecastle 101 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) 4 Dks (Stl) Upws. 5th Dk (Stl) in No 2, 3, 4 & 6 hold

Official No. 148161 ; Signal Letters Is bottom of Vessel coated with cement. Yes, except if not given in Copperdamms, Dist Keel & Oil Fuel
particulars of composition Copperdamms & Dist Keel painted. Nothing in O.F. double bottom tanks.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	143.5	594	Fore peak tank,	26.0	70
Double bottom, under Engines and Boilers,	65.25	328 FW	After peak tank,	20.0	234
Double bottom, if under Engines only, Fuel, Oil, and Lubricating Oil.	67.5	94.5	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only, Oil, Fuel.	31.5	220	Deep tanks forward, Oil Fuel.	31.5	1606
Double bottom, forward,	190.75	756	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		1992.5	(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. 780

Date 17/5/27

Dates of Surveys held while building

1924
Mar 3 May 3 11 25 31 June 8 9 13 24 28 July 20 Aug 1 4 9 16 18 19 22 23 25 29 30
Sept 1 6 22 26 Oct 3 6 10 11 13 17 18 24 25 27 28 31 Nov 2 8 14 17 24 29 Dec 1 6 8 15
1928 Jan 5 9 13 17 20 24 27 30 Feb 3 6 9 10 14 21 29 Mar 6 7 8 15 20 26 28 30 31
Apr 4 5 11 12 17 18 19 23 25 30 May 3 8 10 14 15 16 17 18 19 21 22 24 25 28 29 30 31
June 1 4 5 6 7 8 9 11 12 13 14 15 16 18 19 20 21 July 9 10 25 26 27 28 Aug 1 6 8 16 20 23
Sept 3 10 13 24 Oct 3 8 9 10 18 22 26 31 Nov 5 12 22 23 30 Dec 3 7
31 1928 Jan 2 4 8 11 21
Total No. of Visits 154