

STEEL STEAMER or MOTORSHIP.

WRECK

SEP 16 1937

Received at London Office

SECTION

No 867

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

13. 9. 37

Port of *Glasgow*No. *58845*Survey held at *Glasgow*Date First Survey *1st Decr 1936*Last Survey *9th September 1937*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *single screw steamer**"DONAGHADEE"* (Machinery fitted aft)

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

*Full scantling*State Type of Erections *R.O.D. + fœcle*TONNAGE under Tonnage Deck... *433.87*CLASS *+100 A.1.*

State if with freeboard as condition of Class

*No.*Built at *Glasgow*

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 *175.0*Launched *5 August 1937* Yard No. *998 P.*Total *433.87*

Breadth (greatest moulded)

B *27.75*Builders *A & J. Inglis Ltd.*Gross Tonnage *662.35*

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

D *13.895*Owners *John Kelly Ltd.*Register Tonnage *283.67*1st Longitudinal Number (L x D) = *2344.12*Managers *W. Clint.*2nd Numeral L x (B + D) = *7200.37*

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

REGISTERED DIMENSIONS. FEET.

Length *176.0*

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

*10.55*Residence *Station Street, Queens Quay, Belfast.*Breadth *27.9*Proportions—Depth to Length—Upper *13.08**10.07*Port of Registry *Belfast.*Depth *11.05*

Do. Long Bridge to top of keel

*13' 2 3/8*If surveyed while building, afloat, or in dry dock *on slip.*

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	<i>22</i>		Bracket Floors, Frame	<i>✓</i>	
" " from $\frac{3}{8}$ length to Collision bulkhead	<i>22</i>		" " Reversed Frame	<i>✓</i>	
" " in peaks	<i>22</i>		" " Vertical Struts	<i>✓</i>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>33 37 31</i>	
Frame Amidships, Angle <i>R.O.D. 6 3 32</i> or <i>Upper D. 5 3 30</i>			" " top Angles	<i>3 3 33</i>	
" " Extends up to <i>R.O.D. 4 3 30</i>			" " bottom Angles	<i>3 3 37 3 x 3 x 37</i>	
Reversed Frame Amidships, Angle	<i>✓</i>		Side Girders, No. each side and thickness	<i>One 28</i>	
" " Extends up to	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness	<i>28 31</i>	
Depth of Framing Girder	<i>6 x 5</i>		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	<i>T. bar 6 3 30 3 x 3 x 28</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [<i>✓</i>		" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	<i>T. bar 6 3 30</i>	
" " Second 'tween Decks, Angle, [or [<i>✓</i>		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	<i>✓</i>	
" " Third " " " "	<i>✓</i>		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	<i>✓</i>	
Framing in Peaks, Angle	<i>5 3 32</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>40 32</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4 52</i>		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes.</i>		Breadth and thickness of Middle Line Strake	<i>40 33</i>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>as per App. plan.</i>		Thickness of remainder in Holds	<i>29</i>	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>Double plating increased shell plating.</i>		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in B.C.D. space and framing in Bunkers and Boiler Room?	<i>Yes.</i>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<i>✓</i>		Uppermost Continuous Deck, amidships in Wells, Angle, [or [<i>6 3 30</i>	
Height of Brackets at side above base line at toe of frame	<i>✓</i>		" " in way of Bridge, Angle, [or [<i>✓</i>	
Middle Line Keelson, on Floors, Angles, [or [<i>✓</i>		Spacing		
" " Through Plate or Intercoastal Plate	<i>✓</i>		Raised quarter Second Deck, amidships, Angle, [or [<i>6 3 30</i>	
" " Foundation Plate on Floors	<i>✓</i>		Spacing	<i>22</i>	
" " Flat Plate Keel Angles	<i>✓</i>		Third Deck, amidships, Angle, [or [<i>✓</i>	
Side Keelsons, No. each side	<i>✓</i>		Spacing	<i>✓</i>	
" " thickness of Intercoastal Plate	<i>✓</i>		Fourth Deck, amidships, Angle, [or [<i>✓</i>	
" " Angles	<i>✓</i>		Spacing	<i>✓</i>	
DOUBLE BOTTOM.			Poop Deck, Angle, [or [<i>✓</i>	
Solid Floors, thickness and spacing	<i>28 22 28 44</i>		Spacing	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?	<i>Yes.</i>		Bridge Deck, Angle, [or [<i>4 3 30 5 1/2 x 3 x 35</i>	
Bracket Floors, breadth and thickness at middle line	<i>✓</i>		Spacing	<i>22 44</i>	
" " breadth and thickness at margin plate	<i>✓</i>		Forecastle Deck, Angle, [or [<i>5 3 30</i>	
			Spacing	<i>44</i>	

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.....		✓			Stringer Plate, breadth and thickness in way of Bridge	✓			
„ in 'tween Decks, Size and Spacing		✓			Thickness of Plating abreast Deck openings in way of Wells	✓			
„ „ „ „ „		✓			Thickness of Plating abreast Deck openings in way of Bridge	✓			
„ in Holds „ „		✓			Thickness of Plating within line of openings...	30.		✓	
„ „ „ „ „		✓			If Sheathed, material and thickness	✓			
<i>Partial</i> Centre Line Bulkhead. B.A. 5 3 30 ✓					Third Deck.				
Stiffeners and Spacing..... 23 per plan.					Stringer Plate, breadth and thickness.....	✓			
Plating, thickness of		35	✓		If Plated, state thickness.....	✓			
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....	✓			
Stringer Plate, breadth and thickness in Well 58 1/2 46 38 ✓					If Plated, state thickness	✓			
„ „ „ „ in way of Bridge		✓			Poop Deck.				
„ Angle in Well 3 1/2 3 1/2 40 ✓					Stringer Plate, breadth and thickness	✓			
Thickness of Plating abreast Deck openings in way of Wells		✓			Plating, Sheathing, material and thickness ...	✓			
Thickness of Plating abreast Deck openings in way of Bridge		✓			Bridge Deck.				
Thickness of Plating within line of openings...		30	✓		Stringer Plate, breadth and thickness.....	30 26		✓	
If Sheathed, material and thickness		✓			Plating, Sheathing, material and thickness ...	19 5x3 ✓ 7x26 Ties			
<i>Raised quarter</i> Second Deck.					Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells... 58 36. ✓					Stringer Plate, breadth and thickness.....	16 26		✓	
					Plating, Sheathing, material and thickness ..	26 5x2 1/2 3" at windows.		✓	

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <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.								
FLAT PLATE KEEL	39	46	54	42.		Double.	3/4	3 1/2	Three	3/4	2 5/8	strapped
„ DBLG. (if any)												
BOTTOM PLATING, No. } of Strakes ... <i>Three.</i>		36.	46. 42.	32.	40 for 1/2 of 26.	Double.	3/4	3 1/2	Two.	3/4	2 5/8	Lapped.
BILGE PLATING, No. of } Strakes <i>One.</i>		36	32	32.		Do.	3/4	3 1/2	Do.	3/4	2 5/8	Do.
SIDE PLATING, No. of } Strakes <i>One.</i>		36.	32	32.		Do.	3/4	3 1/2	Do.	3/4	2 5/8	Do.
UPPER DECK, Sheer- } strake in Well }	44	46	36.			Do.	3/4	3 1/2	Three.	3/4	2 5/8	strapped.
UPPER DECK, Sheer- } strake in Bridge at break.		66				Do.	7/8	3 5/8	Do.	7/8	3 1/8	Do.
STRAKE BELOW Sheer- } strake in Well }	52	40	36	36		Do.	3/4	3 1/2	Three to Two.	3/4	2 5/8	Lapped.
STRAKE BELOW Sheer- } strake in Bridge ... }												
R & D. Sheer	50	48		36	50 x 40.	{ Double.	3/4	3 1/2	Three	3/4	2 5/8	{ strapped
Poor Side Plating	44	42		36	44 x 40.		Do	3/4	2 5/8			
Do. 15' below		30				Single.	3/4	3 1/2	✓	✓	✓	
BRIDGE SIDE PLATING ...		48										
FOREC'TLE SIDE PLATING			26	36.		Do.	3/4	3 1/2	One.	3/4	2 5/8	Lapped.

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Extending to Upper Deck (Sec. 3 c)		Deck next below		As per Rule	
		Three				Three	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULK'HD, ^{R. 9".} Upper tween deck	27	B. 9.			
" " Second "	42	7 x 3 x 44.	3 1/2		
" " Third "	✓				
" " Holds	✓				
COLLISION " (in Hold)	26	See plan.			
AFTER PEAK " "	26	7 x 3 x 44	24		
	36	4 x 3 x 30	30		

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	rolled	7" x 1 1/2"		6 3/4 x 1 3/8
STEM	Steel bar Forging	6" x 3 3/4"		
STERN FRAME {	Propeller Post	✓	✓	T
	Rudder "	✓	✓	S
Speed of Vessel	Not over 9 knots.			F
RUDDER—Type	Semi-balanced.			Forster
" A x D		✓		
" Diam. of head		4	✓	
" Mainpiece at top pintle		5 1/8	✓	
" " heel ...		4	✓	
" how constructed	Forged frame			
" double or single plate		Double		
" coupling, vertical or horizontal		28		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Colvilles Ld. steel Co. of Scotland.

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

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 to same builders N^o 988P. S.S. "CROSSGAR" G/S. Apt. 57753.
Approved plans forwarded herewith.

1. Midship section.
2. Longitudinal section & decks.
3. Sternframe & rudder.
4. Fore end stiffening.
5. W.T. bulkheads & aft end construction.
6. Main engine seating.
7. Details of break.
8. Bilge & Ballast pumping arrangement.
9. Bolted plate manholes
2 Forging certificates.

10. Midship section as built (forwarded in advance)
General arrangement.

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

Cruiser stern. Machinery aft well deck. Breadth over bolting 29'5".
Length overall 184'0". Lhods A & CP.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	N ^o of stat ^l cert ^l		N ^o of Cert ^l	
	1st Bower	2nd "	3rd "	
	8-3-25. ✓ G.V.	9-0-10. ✓ R.L.	7-2-19. ✓ R.L.	
	49960.	49961.	49962.	
	4242.	4220.	5266.	
	20-3-36.	13-3-36.	8-1-37.	

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 105 ft., Bridge 140.5 ft., Forecastle 27 ft. 9.19 side.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks 1 deck

Official No. 165161. ; Signal Letters Is bottom of vessel coated with cement port if not give particulars of composition Bitumastic ✓

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	✓	✓		Fore peak tank,	26.	50	✓
Double bottom, under Engines and Boilers,	✓	✓		After peak tank,	11.	19	✓
Double bottom, if under Engines only,	✓	✓		Deep tank, aft,	✓	✓	
Double bottom, if under Boilers only,	✓	✓		Deep tank, forward,	✓	✓	
Double bottom, forward,	97.16	139.		Other tanks, if fitted,	✓	✓	
Total length of Double bottom = 97.16. ✓	Total capacity of double bottom 139. ✓			(If necessary, furnish further information by sketch.)			

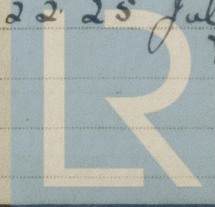
* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 6335

Date 4. 12. 36

Dates of Surveys held while building

(1936) Dec.: 1 (1937) Feb.: 2. 11. 17. 25 Mar.: 5. 24. 31 Apr.: 14. 22. 29
May.: 14. 21. 26. 31 June.: 2. 7. 9. 15. 18. 22. 25 July.: 1. 29 Aug.: 5. 17. 30
Sep.: 3. 9



Lloyd's Register
Total No. of Visits 29
Foundation