

STEEL STEAMER or MOTORSHIP.

Received at London Office **9 DEC 1936**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

4th December 1936

Port of

Glasgow

No. 57753

Survey held at

Glasgow

Date First Survey

15th Apr. 1936

Last Survey

28th November 1936

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

Single Screw Steamer "CROSSGAR" (Machinery fitted aft)

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

Full Scantling

State Type of Erections R.Q.D., Bridge, Forecastle

TONNAGE under Tonnage Deck

435.49

CLASS

+100 A1

State if with freeboard as condition of Class

✓

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 6th Oct. 1936 Yard No. 988 P.

Total

435.49

Breadth (greatest moulded)

B 27.75

Builders A. & J. Inglis Limited

Gross Tonnage

661.42

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

D 13.375

Owners John Kelly Ltd.

Register Tonnage

287.41

1st Longitudinal Number (L x D) = 2340.63

Managers W. Clint

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

2nd Numeral L x (B + D) = 7196.88

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

U.D.K. 10.55
2nd D.K. 14.55
U.D.K. 13.08
2nd D.K. 10.07

Residence

Belfast

REGISTERED DIMENSIONS. FEET.

Length

176.0

Breadth

27.9

Depth

15.05

Draught Moulded

13'-2 1/2"

Port of Registry

Belfast

If surveyed while building, afloat, or 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	22	✓	Bracket Floors, Frame	✓	
" " from 3/8 length to Collision bulkhead	22	✓	" " Reversed Frame	✓	
" " in peaks	22	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	33" x 37	✓
Frame Amidships, Angle, E or F	2.56 6 3.32 U.D.K. 5 3.30	✓	" " top Angles	3 3 33	✓
" " Extends up to	Deck	✓	" " bottom Angles	3 1/2 3 37	3 x 3 x 37
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	one .28	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	28 1/2 x 31	✓
Depth of Framing Girder	6" x 5"	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 3 30	3 x 3 x 28
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	"	
" " Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/4 len. from stem	✓	
Framing in Peaks, Angle E or F	5 3.32	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	40 x 32	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 @ 5/4	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	40 x 33	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Stingers as per approved plan	✓	Thickness of remainder in Holds	.29	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Double frames increased shell plating	✓	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 Wells, Angle, E or F	6 3 30	✓
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, E or F	✓	
Middle Line Keelson, on Floors, Angles, E or F	✓		Spacing	22"	✓
" " Through Plate or Intercoastal Plate	✓		2nd Deck, amidships, Angle, E or F	6 3 30	✓
" " Foundation Plate on Floors	✓		Spacing	22"	✓
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, E or F	✓	
Side Keelsons, No. each side	✓		Spacing	✓	
" " thickness of Intercoastal Plate	✓		Fourth Deck, amidships, Angle, E or F	✓	
" " Angles	✓		Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, E or F	✓	
Solid Floors, thickness and spacing	.28 every 2 nd frame	✓	Spacing	✓	
" " Are Frame and Reversed Frame joggled?	Yes.	✓	Bridge Deck, Angle, E or F	4 3 30	5 1/2 x 3 x 35
Bracket Floors, breadth and thickness at middle line	✓		Spacing	22"	44
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, E or F	5 3 30	✓
			Spacing	44"	

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...	20	✓
„ „ „ „ „			If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	B.A. 5 3 30 as per plan	✓	Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	35	✓	If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck. U.Sk.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	58 1/2 x 46	✓	If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	✓		Poop Deck.		
„ 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	✓		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 x 26	✓
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ..	3/16" complete 5 x 3" P.P.	7" x 26" in plate
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	58 x 36	✓	Stringer Plate, breadth and thickness.....	26	✓
			Plating, Sheathing, material and thickness ..	26 5 x 2 1/2" P.P.	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	SINGLE OR DOUBLE.	RIVETS.		No. of Rows of Rivets.	STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		
FLAT PLATE KEEL	39	46	54	42		Double	3/4	3/7	Trible	3/4 2 5/8	Shopped
„ DBLG. (if any)	✓										
BOTTOM PLATING, No. of Strakes		36	42	32	40 ft. 1/2 L	✓	✓	✓	Double	✓	Lapped
BILGE PLATING, No. of Strakes		36	32	32	✓	✓	✓	✓	✓	✓	✓
SIDE PLATING, No. of Strakes		36	32	32	✓	✓	✓	✓	✓	✓	✓
UPPER DECK, Sheer-strake in Wells.....	44	46	36		✓	✓	✓	✓	Trible	✓	Shopped
UPPER DECK, Sheer-strake in Bridge ...	✓								✓ as approved or details of work.		
STRAKE BELOW Sheer-strake in Wells.....	52	40	36	36	✓	✓	✓	✓	Double	✓	Lapped
STRAKE BELOW Sheer-strake in Bridge ...	✓										
2nd strake below	50	48	36		50 x 40	✓	✓	✓	Trible	✓	Shopped
Poor Side Plating	44	42	36		44 x 40	✓	✓	✓	✓	✓	✓
BRIDGE SIDE PLATING ...		30 4 48			✓	Single	✓	✓	✓	✓	✓
FORECASTLE SIDE PLATING			36 x 26			✓	✓	✓	Single	✓	Lapped

WATERTIGHT BULKHEADS.

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

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL , Bar		Flat plate		
STEM		6 3/4 x 1 3/8		✓
STEER FRAME { Propeller Post	IRON	6 x 3 3/4	Forster Sons	✓
{ Rudder „	FORGING	✓		✓
Speed of Vessel		not exceeding 10 knots		
RUDDER —Type.....		Semi-balanced type		
„ A x D		52.2		
„ Diam. of head		4" Forster Sons		✓
„ Mainpiece at top pintle		5 1/8		✓
„ „ heel ...		4"		✓
„ how constructed		Forged		✓
„ double or single plate		Double 28		✓
„ coupling, vertical or horizontal.....		Horiz.		

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
1932					
MIDSHIP BULKHEAD , Upper tween decks	✓				
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds	46 27	B.A. 7 x 3 x 44 3 1/2	✓	8 x 3 x 40 L	See plan
COLLISION „ (in Hold)	32 26	5 x 3 x 31 22	✓		
AFTER PEAK „ „	36 26	7 x 3 x 44 BA 24 4 x 3 x 30 L 30	✓	W.T. flat	✓

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Calvin Ltd. — Steel Co. of Scotland.
	Has the Steel been tested as required by the Rules?	Yes

8 DEC 1936

8 DEC 1936

EQUIPMENT No 7995										LETTER 2	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.
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	owts.	qrs.	lbs.				
95385	1st Bower ...	14	2	7	16	3	1	21	14	1/2	Stockless	Hingley & Sons Ltd.	LPNH. July 30 th 1936 Ref.		
95386	2nd „ ...	14	2	4	16	3	1	21	14	1/2	do.	do.	do.		
95387	3rd „ ...	12	3	0	14	10	2	14	12	3/4	do.	do.	do.		
	Collective weight.	41	3	11					41	3/4					
95365	Stream	4	1	4	1	0	13	6	15	0	0	Ordinary	do.	LPNH. July 17 th 1936 Ref.	

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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Length.	Cir.			
	Fathoms.	Ins.	Tons.	Tons.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
103622	105	1 9/16	25 3/8	38	76.0.5						Steel Hingley & Sons Ltd.	LPNH Aug 13 1936							
								141 1/4	195	1 7/16	"Link"	Ref.		TOWLINE...	75	2 3/4	15.2	75	2 3/4
104768	90 5/8	1 3/16	25 3/8	38	65.0.17						do.	do.	LPNH. Aug 27 1936						
														Ref.	man HAWSERS & WARPS	90	6		90 6
	195 5/8				141.0.22														

Steering Gear, Steam *Combined* *Hand Reid, Parsley.* Steering Gear, Hand *Black & tackle to aft as primary means of steering*
Boats *3 (2 lifeboats 1 dinghy)* Steering Chains, Size and Test *3/4 - 6 3/4 Tons* Windlass *Clarke Chapman*
Ceiling in Holds, thickness and material *2 1/2 W.P.* Cargo Battens, thickness, material and spacing *2 W.P. close ceiling*
Cargo Hatchways. (Upper Deck) *Steel plates & angles.* Thickness of Hatches *(U.D.R.) (2 1/8) 2 5/8 + 2 3/4 W.P*
Size of No. 1 Hatchway (Forward) *29'4" x 15'3"* No. 2 *31'2" x 15'3"* No. 3 *-* No. 4 *-* No. 5 *-* No. 6 *-*
Number of Shifting Beams and/or Fore and Afters *Four each hatch.*
FOR A. & L. INGLIS, LONDON.
Victor Anker
Builder's Signature

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 ☒
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo ☒ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.
The materials and workmanship are good. The vessel has been built in accordance with the approved plans, the Secretary's letters of various dates, and in general conformity with the Rules for the Class contemplated. The double bottom and peak tanks have been tested by water pressure, in accordance with the rules, with satisfactory results. Decks and bulkheads have tested & found satisfactory. Freeboard verified and the markings cut in on vessel's sides.

The amount of Entry Fee £ 4 : 0 : 0 Fees applied for, *7-DEC 1936*
Special Survey Fee.... £ 66 : 2 : 0 Received by me, *12.12.36*
Freeboard
Travelling Expenses, if any £ 8 : 0 : 0
State whether the Vessel has been built under Special Survey *yes* Signature *Amundson*
Certificate to be sent to *GLASGOW* Date of issue *15/12/36*
Surveyor to Lloyd's Register of Shipping.

Committee's Minute *GLASGOW 8-DEC 1936*
Character assigned *100A1*
11.36
Lloyd's A+C.P.
+ L.M.C. 11.36

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 forwarded herewith:—
(Midship Section as built forwarded in advance).
Midship Section.
Profile & Decks.
Stern frame & rudder.
Fore end stiffening.
W.T. Bulkheads & Aft end construction.
Bottom in way of Coal Bunkers.
Main engine seating.
Details of break.
Pumping plan.
2 Forging Certificates.

NOTE: Kindly return plans to this office for use in dealing with Sister vessel.

A.W.F.

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

Cruiser Stern. Machinery aft. Well sk.

Breadth over belting 29' 5"

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

1st Bower	8 - 2 - 24	— R.L. —	3981 —	4 th Oct. 1935.
2nd "	8 - 2 - 22	— R.L. —	3980 —	4 th Oct. 1935.
3rd "	7 - 3 - 16	— R.L. —	3986 —	4 th Oct. 1935.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 105 ft., Bridge 11 ft., Forecastle 27 ft.
(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 sk.

Official No. 165157 ; Signal Letters

Is bottom of vessel coated with cement

st. cem. if not give

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,		40.7
Double bottom, under Engines and Boilers,	✓		After peak tank,		21.2
Double bottom, if under Engines only,	✓		Deep tank, aft,	✓	
Double bottom, if under Boilers only,	✓		Deep tank, forward,	✓	
Double bottom, forward,	90	125.8	Other tanks, if fitted,	✓	
Total length of D.B. 90'	Total capacity of double bottom	125.8	(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. 6289

Date

5. 3. 36

Dates of Surveys held while building

1936 Apr.: 15. 20. 23 May.: 7. 13. 20. 26 June.: 8. 18. 25. 29 July.: 2. 10. 30
Aug.: 5. 7. 17. 26 Sep.: 8. 10. 14. 17. 18. 22. 24 Oct.: 2. 6. 14. 21. 27 Nov.: 6. 16. 19. 20. 23
24. 26. 27. 28

Total No. of Visits

39

Lloyd's Register Foundation