

STEEL STEAMER OR MOTORSHIP

Received at London Office 8 OCT 1929

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 October 7th 1929. Port of Aberdeen. No. 15788.
 Survey held at Aberdeen. Date First Survey May 16th 1929. Last Survey September 27th 1929.
 On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Yes. Single Screw. Firecrest.
 State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling. State Type of Erections R.Q.D. B.D. P.D.

TONNAGE under Tonnage Deck... 343.45. CLASS * 100.A.I. State if with freeboard as condition of Class no. Built at Aberdeen.
 Do. of space or spaces between Tonnage Dk. and Upper Dk. Length from fore part of stem to after part of stern } L 160' 0". Launched September 3rd 1929. Yard No. 108.
 Total 343.45. Breadth (greatest moulded) B 26' 6". Builders J. Lewis & Sons Ltd.
 Gross Tonnage 597.86. Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D.R.Q.D. 15' 6". Owners Messrs R. & W. Paul.
 Register Tonnage 259.32. 1st Longitudinal Number (L x D) = 1920. Managers
 2nd Numeral L x (B + D) = 6199.20. (Where necessary to be entered in Reg. Book.)
 Framing Depth "d," at middle of length. See Sec. 3 (1d) U.D. 9' 58". R.Q.D. 13' 08". Residence 47 King St. Ipswich.
 Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.33. Port of Registry Ipswich.
 Do. Long Bridge to top of keel 10.32. If surveyed while building, afloat, or in dry dock
 Draught Moulded 11' 10 1/2". First-Entry.

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.
QUARTER DECK.			Bracket Floors, Frame		
FRAMES, Spacing amidships Nos. 0 to 25 = 2 1/2' REM. 25'			" " Reversed Frame		
" " from 3' length to Collision bulkhead			" " Vertical Struts		
" " in peaks 4 1/2' = 2 1/2' 3' 0" = 2 1/2'			Centre Girder, depth and thickness amidships 29" x 38 1/2" 32" at ends.		
SIDE FRAMING. R.Q.D. 5" 3" 30" [✓]			" " top Angles 3" x 3" 33" Single Double for 1/2" L.		
Frame Amidships, Angle, E or F U.D. 5" 3" 30" [✓]			" " bottom Angles 3" x 3" 34" Single Double for 1/2" L.		
" IN B.S. = 5" x 3" 30" IN E.S. 5" 3" 30" [✓]			Side Girders, No. each side and thickness One = 34"		
" Extends up to Uppermost Deck			Additional intercostal for 1/2" L. as per approved plans = 27"		
Reversed Frame Amidships, Angle AN FLOORS 3" 3" 30" [✓]			Margin Plate depth (excl. of flange) and thickness 26" 33"		
" IN ENGINE SPACE as approved.			" " Vertical Angle to Tank side		
" Extends up to as per approved plans			Bracket abaft 1/2" len. from stem 3" 3" 32" Upper Deck		
Depth of Framing Girder 5"			" " Bracket abaft 1/2" len. from stem 3" 3" 34" Quarter Deck		
FORECASTLE.			" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween Decks, Angle, E or F 4" 3" 34" [✓]			Bracket forward 1/2" len. from stem 3" 3" 30" [✓]		
" ON FLOORS 3" 3" 30" Double for 1/2" L.			" " Gussets, spacing and scantling abaft 1/2" len. from stem 3" 3" 34" [✓]		
CANT FRAMES. 4" 3" 30" [✓]			" " Gussets, spacing and scantling forward 1/2" len. from stem 3" 3" 34" [✓]		
" Third " " " " " " " "			Tank Side Brackets, height above base line at toe of Frame and thickness 32" in way of Upper Deck 28" Quarter 28"		
Framing in Peaks, Angle or F 4" 3" 34" [✓]			INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships 3/4" rivets, 5" dia. in Peaks & Bottom plating for 1/2" L. rem. 7 dia.			Breadth and thickness of Middle Line Strake' ... 38 1/2" x 31 1/2" 29" forward.		
State if Frame Joggled Yes			Thickness of remainder in Holds 28" 6" 27" forward.		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars) Deep frames & as per approved plans.			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?		
STRENGTHENING OF BOTTOM FORWARD. State Particulars As per approved plans & Section 11 of the Rules.			BEAMS. RAISED QUARTER		
SINGLE BOTTOM. IN E. & B. SPACE.			Uppermost Continuous Deck, amidships 5" x 3" 30" L 6" 3 1/2" x 3" 30" angles		
Floors, Depth and thickness at mid-line in Holds 17" x 4 1/2" flanged 5" in B.S. 17" 36" in E.S.			" " in Wells, Angle, E or F		
Height of Brackets at side above base line at toe of frame 9" 3 1/2" 5 1/4" Double			HALF BEAMS in way of Bridge, Angle, E or F		
Middle Line Keelson, on Floors, Angles, E or F 4 1/2" Centre Girder under Boilers 50" x 34" intercostals under Engines			Spacing on every frame		
" " Through Plate or Intercostal Plate 3" 3" 39" Double E & B. 3" 3" 39" Single rem.			Second Deck, amidships, Angle, E or F		
" " Foundation Plate on Floors 3" 3" 39" Double E & B. 3" 3" 39" Single rem.			Spacing		
" " Flat Plate Keel Angles one			UPPER Third Deck, amidships, Angle, E or F 5" 3" 30" L 6" 3 1/2" x 3" 30" angles		
Side Keelsons, No. each side one			" " at ends 5" 3" 30" L 6" 3 1/2" x 3" 30" angles		
" thickness of Intercostal Plate 4 1/2"			Spacing on every frame		
" B. Angles Single 7" 3" 48" 3" 3" 38"			BRIDGE Fourth Deck, amidships, Angle, E or F 4 1/2" 3" 36" 4 1/2" x 3" 30"		
" angles to shell Single 3" 3" 38"			Spacing on alternate frames		
DOUBLE BOTTOM.			W.T. FLAT. (FORWARD) Poop Deck, Angle, E or F 4" 3" 34"		
Solid Floors, thickness and spacing 30" every frame 6" T. floor 38" 32" and flanged 3"			Spacing on every frame		
" in Peaks. Yes			PANTING STRINGER (FORWARD) Bridge Deck, Angle, E or F 5" 3" 30"		
" Are Frame and Reversed Frame joggled? Yes			Spacing on alternate frames		
BOILER STOODS.			Forecastle Deck, Angle, E or F 5" x 3" 32" L 6" 5" x 3" 30" angles		
Bracket Floors, breadth and thickness at middle line 34" 50"			Spacing on alternate frames		
" breadth and thickness at margin plate 34" 50"					

PILLARS AND DECKS.

[illegible]

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	UPPER EDGES. State if Joggled?			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.	Inches.		
FLAT PLATE KEEL	38	✓ 48	✓ 44	✓ 44		1½" Double ✓	¾"	3½"	3 R = 2 L. 6 2 R.	¾"	2⅝"	Lapped
" DBLG. (if any)												
BOTTOM PLATING, No. of Strakes 2.....)	A. 59½"	✓ 39	✓ 39	✓ 34 + 38		1½" Double	¾"	3½"	2 R.	¾"	2⅝"	Lapped.
BILGE PLATING, No. of Strakes 1.....)	C. 43"	✓ 37	✓ 33	✓ 32 + 36		" "	"	"	"	"	"	"
SIDE PLATING, No. of Strakes (FOR. & AFT.)	D. 48"	✓ 36	✓ 32	✓ 32 + 36		" "	"	"	"	"	"	"
UPPER DECK, Sheer- strake in Wells.....)	E. 51"	✓ 36	✓	✓ 32 + 36		" "	"	"	✓	"	"	"
UPPER DECK, Sheer- strake in Bridge....)	F. 43½"	✓ 43	✓ 30	✓	57" at Break.	1½" Single	"	"	3 R = 2 L. 6 2 R.	7⁄8 + ¾"	3½ + 2½"	✓
STRAKE BELOW SHEER- strake in Wells.....)	G. 41"	✓ 38	✓	✓ 30		5" Single	"	3⅞"	2 R.	¾"	2⅝"	"
STRAKE BELOW SHEER- strake in Bridge R. & Q. D.)	E. 51"	✓ 42	✓ 32	✓		4½" Double	"	3½"	3 R = 2 L. 6 2 R.	"	"	"
BULWARK POOR SIDE PLATING	F. 43½"	✓ 38	✓	✓ 30		" "	"	"	2 R.	"	"	"
BRIDGE SIDE PLATING ...	35"	✓ 26	✓ 26	✓ 26		"	✓	✓	1 R.	5⁄8"	2¼"	"
FOREC'TLE SIDE PLATING		✓ 30 + 24	✓	✓		2¼" Single	5⁄8"	2¼"	"	✓	✓	✓
			✓ 25	✓		" "	"	2½"	1 R.	5⁄8"	2¼"	Lapped.

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)		Three.							
" Deck next below		✓							
As per Rule & as approved.		Three.							
		Plating Thickness.		STIFFENERS.					
				VERTICAL.		HORIZONTAL.			
				Scantlings.	Spacing.	Scantlings.	Spacing.		
MIDSHIP BULKH'D, Upper tween decks		N ^o 28.	41" x 1/2"	6" x 3"	30"	3"	24" x 34"		
" " Second "		"	41" x 1/2"	6" x 3"	30"	3"	24" x 34"		
" " Third "		N ^o 25.	36" x 3/4"	6" x 3"	30"	3"	24" x 34"		
" " Holds		"	36" x 3/4"	6" x 3"	30"	3"	24" x 34"		
COLLISION		(in Hold)	N ^o 27.	36" x 3/4"	30"	3"	24" x 34"	Tank Top + W.T. Plating	
AFTER PEAK		"	N ^o 4.	36" x 3/4"	30"	3"	24" x 34"	Tank Top + W.T. Plating	

STEEL.

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

Cleveland Steel Works. Consett Iron Co. Ld. Skinningrove Iron Works. Scottish Iron & Steel Co. Ld.
Bolckow Vaughan & Co. Ld. Dillinger Hüttenwerke.

Has the Steel been tested as required by the Rules?

Yes.

Siemens Martin.

John Iron & Steel Co. Ltd.

Environ Biol Fish (2015) 98:1111–1120

Four

EQUIPMENT No. 6848-49.										LETTER "h"	ANCHORS.	
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	
31824	1st Bower	12	3	7	14	12	3	7	12	12	3	Byers Improved Shackles.
31977	2nd "	12	3	7	14	12	3	7	12	12	3	"
31970	3rd "	10	2	0	12	8	3	0	10	10	2	"
	Collective weight.	36	0	14	40	32	9	7	35	35	9	"
44471	Stream	4	0	9	1	0	5	6	10	0	0	Ordinary

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.	For Rule.			Length. Diam.					Length. Cir.	Tons.	Length. Cir.
42809	195	1 1/2	33 1/2	126	1.0	126	1 1/2	195	1 1/2	Slud.	H. Bloomer & Sons. C.N. 27.5.29. Paul.	TOWLINE...	75	2 1/2	75
												HAWSERS & WARPS	90	2 1/2	90
													4060	4 1/2	MANILA (EXTRA)
Iron-Stream-Chain or Steel Wire	60	3 1/2	15 1/2					60	3 1/2	G.S.W. Gamack Bibby. Rpool. 28.6.29.					

Steering Gear, Steam + Hand combined 5"x6" by Denton & Co. Ltd. CAPSTAN. Steering Gear, Hand by Clarke Chapman & Co. Ltd. 5"x6".
 2 Life Boats 16'6" x 6'1 1/2" x 2'4 1/2"
 Boats 1. Dinghy 13'0" x 4'9" x 1'8". Steering Chains, Size and Test 3/4" 6 x 10 tons. C.N. 29.19. 6.7.29. Windlass 6 1/2" x 8". Clarke Chapman & Co.
 Ceiling in Holds, thickness and material 2 1/2" Oregon Pine. Cargo Battens, thickness, material and spacing 6 1/2" W. Wood. 9" apart.
 Cargo Hatchways.—(Upper Deck) Steel plates & angles (as approved) Thickness of Hatches 2 1/2" W. Wood.
 Size of No. 1 Hatchway (Forward) 19'2" x 16'0" No. 2 37'0" x 16'0" No. 3 No. 4 No. 5 No. 6
 Number of Shifting Beams and/or Fore and Afters Three 6" No. 1. Seven 6" No. 2. JIL Plates 13 1/2" x 9" x 3/8" No. 1. 3 1/2" No. 2. angles 3 1/2" x 3" x 1/2"

JOHN LEWIS & SONS Ltd.

Builder's Signature

SHIPYARD MANAGER

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel no. (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo no. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the Secretary's Orders, the Rules and approved plans for the intended class 100.A.1.

The materials and workmanship are good.

The Double Bottom, Peak Tanks, Weather Decks, Bulkheads and Hand Pump have been satisfactorily tested.

The Greenboard markings have been cut in and verified.

The following approved plans are forwarded herewith, viz:—Midship Section (as approved). Midship Section (with additions as built). Profile and Decks. Stern and Rudder Frames. Bulkheads. Fore end stiffening. Engine and Boiler Seats. Stiffening at break of Raised Quarter Deck, and Pumping Arrangement, together with 2 Reports on Forgings.

Similar to "Moray Bith" abn Report 15011. with increased scantlings.

The amount of Entry Fee £ 4 : 0 : 0.
 Special Survey Fee.... £ 53 : 16 : 0.
 Freeboard 3 : 13 : 4
 Travelling Expenses, if any 2 : 0 : 0

Fees applied for,
 Oct 7th 1929

Received by me,
 31.12.29

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

State whether the Vessel has been built under Special Survey Yes.

Signature

J. Richardson
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

Abderr

Date of issue

2/1/30

Committee's Minute

TUE. 15 OCT 1929

TUE. 7 JAN 1930

Character assigned

+ 100 A1

Lloyd's A & C

24.10.29
 C1



© 2020

Lloyd's Register Foundation

00059-00867-01873

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.)

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

1st Bower
2nd "
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of **Peep** \checkmark ft., R.Q.D. **113.23** ft., Bridge **9.16** ft., Forecastle **23.04** ft.
(in feet and tenths). When the Peep 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. **149359**; Signal Letters

Is bottom of Vessel coated with cement **Yes**. if not give

Particulars of composition in Eng & Bk. space and in Peaks.

Bitumaské in D.B. Tanks.

PARTICULARS OF WATER BALLAST.—

Where Fitted.		Length.		Water Capacity.		Length.		Water Capacity.
		Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	Nº 2.	56.83	77.	Fore peak tank,		18.75	42.	
Double bottom, under Engines and Boilers,				After peak tank,		7.58.	19.	
Double bottom, if under Engines only,				Deep tank, aft,				
Double bottom, if under Boilers only,				Deep tank, forward,				
Double bottom, forward,	Nº 1.	38.5.	44.	Other tanks, if fitted,				
		Total capacity of double bottom	121.	(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. **1750**.

Date **31. 1. 29.**

Dates of Surveys held while building

1929. May. 16. 20. 22. 28. June. 3. 10. 14. 20. 21. 26. July 2. 11. 22. 24. 25. 26. 31.
August 1. 2. 13. 16. 30. September 2. 3. 4. 10. 17. 19. 24. 25. 26. 27.

Lloyd's Register
Foundation

Total No. of Visits **32.**