

STEEL STEAMER or MOTORSHIP

-7 FEB 1931

Received at London Office.

State if Report has been sent on the Freeboard of the Vessel noState if Report is sent on the Machinery of the Vessel Yes

Date of completion of report

Feb 6th 1931

Port of

Aberdeen

No. 16451

Survey held at

Aberdeen

Date First Survey

August 27th 1930

Last Survey

January 30th 1931

On the

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

NO.

Steel, single screw - Carl Sigurd

State Type

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

Full Scantling

State Type of Erections

Shade + Bridge (combined) Forecastle

TONNAGE under Tonnage Deck

200.04

CLASS

* 100.A.1.

State if with freeboard as condition of Class

no

Built at

Aberdeen

Do. of space or space between Tonnage Decks and Upper Deck

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

L 117.0

Launched

18.12.30

Yard No. 718

Total

200.04

Breadth (greatest moulded)

B 24.0

Builders Hall Russell & Co. Ltd.

Gross Tonnage

221.20

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

D 11.5

Owners Orkney Steam Navigation Co. Ltd.

Tonnage

83.34

1st Longitudinal Number (L x D) = 1345.5

Managers

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

TERED DIMENSIONS.

FEET.

118.8

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

HOLD = 9.2

B.S. = 10.62

Residence Kirkwall

24.2

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

10.17

Port of Registry Kirkwall

10.3

Do. Long Bridge to top of keel

6.32

If surveyed while building, afloat, or in dry dock

Draught Moulded

8-11 3/4

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.
Spacing amidships through out	21 1/2"		Brackets Floors, Frame & Margin	28"	
" from 1/2 length to Collision bulkhead	✓	✓	" " Reversed Frame	✓	✓
" in peaks	21 1/2"		" " Vertical Struts	✓	✓
AMIDSHIPS.			Centre Girder, depth and thickness amidships	27 1/2" x 34 1/2" x 28"	
Amidships, Angle, E or F	See General Remarks later.		" " top Angles	3" 3" 29"	single
" Extends up to	Upper Deck		" " bottom Angles	3 1/2" 3 1/2" 34"	
E. ROOM.			" " Vertical angles	3" 3" 26"	
ed Frame Amidships, Angle, Single	4 1/2" 4 1/2" 46"		Side Girders, No. each side and thickness	one 36"	
" " B. ROOM.	2 1/2" 2 1/2" 38"	Double B. Bear up 3" x 3" x 28"	" " Top & bottom angles (single)	3" 3" 26"	vert. 2 1/2" x 26"
" Extends up to	across floors.		Margin Plate depth (excl. of flange) and thickness	18 1/2" x 28"	
of Framing Girder	as report.		" " Vertical Angle to Tank side Bracket aft len. from stem	3" 3" 26"	inside
frames of 3/8" x 4" in way trimming tank	2 1/2" x 2 1/2" x 28"		" " Vertical Angle to Tank side Bracket forward len. from stem	3" 3" 28"	outside
" in Uppermost Continuous tween Decks, Angle, E or F	✓	✓	" " Gussers, spacing and scantling aft len. from stem	✓	✓
" Second tween Decks, Angle, E or F	✓	✓	Margin Plate & Shell, angle	3" 3" 30"	
" Third " " " "	✓	✓	" " Gussers, spacing and scantling forward len. from stem	✓	✓
ing in Peaks, Angle, E or F	as in General Remarks		Tank Side Brackets, height above base line at toe of Frame and thickness	32" x 28"	
ter and Spacing of Rivets through Frame and Shell Plating amidships	3" rivets 7 dia apart		INNER BOTTOM PLATING.		
f Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	39" x 30"	
G ARRANGEMENTS (Sec. 7), state system and particulars	as per approved Plans		Thickness of remainder in Holds	26"	
THENING OF BOTTOM FOR ID. State Particulars	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?	as per approved plans	
BOTTOM.			BEAMS.		
Depth and thickness at mid-line in Holds	28" x 32" in E.S. 38" in B.S. 20" deep		Uppermost Continuous Deck, amidships	4" 2 1/2" 34" aft in way Cabin	
Height of Brackets at side above base line at toe of frame	all flanged floors + 0.2" thicker Boiler Stids. 0.75"		" " in Wells, Angle, E or F	5" 3" 30"	
Line Keelson, on Floors, Angles	12" x 3 1/2" x 45" Double		" " in way of Boiler, Angle, E or F	4" 3" 40"	
" " Through Plate or Intercoastal Plate	33 1/2" x 29" x 45" in B.S.		" " E or F Boiler, Angle, E or F	6" 3" 36"	6 1/4" x 3" x 30"
" " Foundation Plate on Floors	✓	✓	Spacing	as per plan	
" " Flat Plate Keel Angles	3 1/2" 3 1/2" 34" throughout		Cant Beams.	4" 3" 40"	
" " Vertical Angles	3" 3" 32" 4.42 in B.S.		Second Deck, amidships, Angle, E or F	✓	✓
Keelsons, No. each side	one		Spacing	✓	✓
" thickness of Intercoastal Plate	28" x 38" in B.S.		W.T. Plat (aft)	4" 3" 32"	
" Angles Top (single)	5" x 3 1/2" x 44 1/2" 40" x 54" in B.S.		Third Deck, amidships, Angle, E or F	✓	✓
" Bottom	3" 8" 28"		Spacing	21 1/2"	
DOUBLE BOTTOM.			W.T. Plat (forward)	5" x 3" x 30 1/2" 4" x 3" x 30"	
Solid Floors, thickness and spacing	26" on every frame		Fourth Deck, amidships, Angle, E or F	✓	✓
" " Are Frame and Reversed Frame joggled?	Yes 3" x 3" x 26"		Spacing	21 1/2"	
Bracket Floors, breadth and thickness at middle line	✓	✓	Shade	4 1/2" 3" 30"	
" " breadth and thickness at margin plate	✓	✓	18 aft	43"	
			Spacing	43"	
			Bridge Deck, Angle, E or F	4" 2 1/2" 34"	
			Spacing	45"	
			Forecastle Deck, Angle, E or F	6" 3" 42"	
			Spacing	as approved	

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.....	as approved		Stringer Plate, breadth and thickness in way of Bridge	✓ ✓ ✓
" <i>ide. + Crew Space.</i>			Thickness of Plating abreast Deck openings in way of Wells	✓ ✓ ✓
" in 'tween Decks, Size and Spacing.....	2½" dia. on alt. frames		Thickness of Plating abreast Deck openings in way of Bridge	✓ ✓ ✓
" at fore end of Bridge	2" dia.		Thickness of Plating within line of openings	✓ ✓ ✓
" in Holds	2½" dia + 3½" dia at Hatch ends.		If Sheathed, material and thickness	✓ ✓ ✓
" in 1st class Accom ^y . aft.	2½" dia.		Third Deck W.T. Plat. (aft)	
Centre Line Bulkhead-			Stringer Plate, breadth and thickness	✓ ✓ ✓
Stiffeners and Spacing	✓ ✓ ✓		If Plated, state thickness.....	26" sheathing 2½" W.W.
Plating, thickness of	✓ ✓ ✓		Fourth Deck W.T. Plat. (forward)	
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness	✓ ✓ ✓
Uppermost Continuous Deck.			If Plated, state thickness	26" sheathing 2½" W.W.
Stringer Plate, breadth and thickness in Wells	51" x .38 6 17 x .27" as appd.		Peep Deck	
" " " in way of Bridge	✓ ✓ ✓		Stringer Plate, breadth and thickness	✓ ✓ ✓
" Angle in Wells	8" 3" .34		Plating, Sheathing, material and thickness	✓ ✓ ✓
" " way fore castle	4" 3" .30		Bridge Deck. + Shade Pk. (combined)	
Thickness of Plating abreast Deck openings in way of Wells	.30		Stringer Plate, breadth and thickness.....	24" x .28 6 25
Thickness of Plating abreast Deck openings in way of Bridge	✓ ✓ ✓		Tie Plating, Sheathing, material and thickness ...	as appd. with 5" 2½" P.P. Deck.
Thickness of Plating within line of openings	10" x .33 6 27		Forecastle Deck.	
If Sheathed, material and thickness	5" x 3½" P.P. (ford 18 frame) remainder 3" P.P.		Stringer Plate, breadth and thickness.....	13" x .24 3" 2½" .24
Second Deck			" angle.	
Stringer Plate, breadth and thickness in Wells..	✓ ✓ ✓		Tie Plating, Sheathing, material and thickness ...	6" x .24 + 30 under Windlass + 5" 2½" P.P. over Pk

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. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam.	Spacing cr. to cr. Inches.		Diam.	Spacing cr. to cr. Inches.		
FLAT PLATE KEEL	37"	41"	37"	37"		1½" Double	¾"	3"	3 R - 2 R.	¾"	2½"	Lapped.	
Rubbing Keel. " Deck (if any)	7½" x 1" Fitted to flat plate keel.					2½" Single	¾"	3"	2 R.	¾"	2½"	Lapped.	
BOTTOM PLATING, No. of Strakes 2....)	B. 58½"	56"	"	"	31 to 27"	"	"	"	3 R - 2 R.	"	"	"	
BILGE PLATING, No. of Strakes 1....)	C. 37"	31"	27"	"		"	"	"	2 R.	"	"	"	
SIDE PLATING, No. of Strakes 1....)	D. 55½"	34"	"	"		"	"	"	2 R.	"	"	"	
UPPER DECK, Sheer-strake in Wells.....)	E. 55½"	"	"	"	at Break 61"	"	"	"	3 R - 2 R.	"	"	"	
UPPER DECK, Sheer-strake in Bridge.....)	A + B Edges = 2 R in way of strengthening forward.												
STRAKE BELOW SHEER-strake in Wells.....)													
STRAKE BELOW SHEER-strake in Bridge.....)													
<u>EDGES</u> = Six ¾" rivets between frames (excluding frame rivet); One rivet thro frame & beam.													
BULWARK			26"	26"					1 R.	¾"	3½"	Lapped.	
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...	30"			30"		2½" Single	¾"	3"	2 R - 1 R	¾"	2½"	Lapped.	
FOREC'TLE SIDE PLATING			24"			"	"	"	1 R.	"	"	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) *Six.*

„ ~~Deck next below~~ ✓

As per Rule & as approved. *Six.*

~~FORGINGS and CASTINGS~~

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		✓	✓	✓
STEM	Roll'd Steel Bar	6" x 1 1/2"	Darman Long & Co.	
STERN FRAME { Propeller Post	Gen'l Steel	5 1/2" x 2 7/8"	Emerson Walker & Co.	
{ Rudder		5 1/2" x 2 7/8"		
RUDDER—A x D	51.1.			
Speed of Vessel	Under Ten Knots.			
RUDDER mainpiece at head ...	Forging	3 1/2"	Hall Russell & Co.	
" " heel ...	3"			
" how constructed	{ main Piece = mild rolled STEEL. Arms = forged iron shrunk on & keyed			
" double or single plate	Single	78		
" coupling, vertical or				
" horizontal	none			

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULK'D.	Upper twelve deck	51.	26" 38	4" x 8" x 28" 5 1/2" x 3" x 32"	30"	W.T. Plal.
"	Second	"	36" 26" 38	6" x 3" x 38"	21 1/2 27"	as approved.
"	Third	"	25" 26" 38	6" x 3" x 38"	21 1/2 30"	as approved.
"	Holds	"	15" 30" 32 1/2	4" x 8" x 24"	24"	as approved.
"	"	"	18" 26"	4" x 3" x 28"	30"	✓
COLLISION	(in Hold)	"	59" 30" 39	4" x 3" x 28" 5 1/2" x 3" x 32"	24"	W.T. Plal.
AFTER PEAK	"	"	3" 26"	4" x 3" x 30"	30"	✓
	"	"	46"		✓	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Siemens Martin.*
Cargo Steel Iron Co. The Steel Co. of Scotland Ltd. Pease & Partners Ltd. D. Colville & Sons Ltd. Consett Iron Co. Ltd.
The Lancashire Steel Co. Ltd. Frodingham I & S. Works. Dorman Long & Co. Ltd. S. Durham I & S. Co. Ltd.
 Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No 4665-68.												LETTER "d".		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.						
64138.	1st Bower ...	7	1	11	Blackless			9	11	2	7	7½.	"Byers" Type	S. Taylor & Sons	T. 19.9.30. H. C. Leeson.		
64137.	2nd " ...	7	1	0	"			9	9	1	14.	7	" "	" "	" " " "		
✓	3rd " ...	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		
	Collective weight.	14	2	11								14½.					
64114	Stream	2	1	2				2	9.	15	0 0	2½.	Ordinary.	S. Taylor & Sons	T. 15.9.30. H. C. Leeson.		

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.	Chr.		Length.	Chr.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. grs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Fms.	Fathoms.	Ins.
66641.	90½	7½	13½	20½	37. 1. 22	64½	165	11⁄16	Slud	S. Taylor & Sons.	T. 18.9.30. Dupdals	TOWLINE...	75	2¼	10.8.	75	2¼
66642	75½	"	"	"	31. 2. 11 69 0 5				"	"	"	HAWSERS & WARPS	90	4	MANILLA	90	4
Iron-Steel Chain or Steel Wire	45	2¼	✓	10.8.	✓	✓	45	2¼	✓	United Rope Works. Rotterdam.		"					

Steering Gear, Steam

Steering Gear, Hand

Boats

Ceiling in Holds, thickness and material

Cargo Hatchways.-(Upper Deck)

Size of No. 1 Hatchway (Forward)

Number of Shifting Beams and/or Fore and Afters

by Hall Russell & Co. Ltd.

5 1/8. 4 3/8 Tons. C.H. 31054 21.11.30 } Windlass Steam. Clarke Chapman & Co. S.C. Paul.

2 1/2" White Wood.

Steel plates and angles. Camb. 40

6'6" x 6'0" No. 4

none.

Cargo Battens, thickness, material and spacing

Thickness of Hatches

FOR HALL, RUSSELL & CO., LTD.

Builder's Signature

A. Hall Wilson

DIRECTOR

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 Sec. Rules, the Rules and approved Plans for the intended class 100.A.1.

The materials and workmanship are good.

The Peaks, Tanks, Bulkheads, Weather Decks and Pumps have been satisfactorily tested.

The Treeboard has been assigned by the B.O.T.

The following approved plans are forwarded herewith, viz:- Profile and Decks, Midship Section. W.T. Bulkheads. Stern + Rudder Frames. Engine Deals.

Stiffening of Bottom forward. Bulwark Slays etc. and Pumping Arrangement; together with 2 Reports on Forgings.

The amount of Entry Fee

£ 2 : 0 : 0.

Fees applied for,

Feb. 6th 1931.

Special Survey Fee

£ 22 : 2 : 0.

Received by me,

9.2.31

Travelling Expenses, if any

£ : : :

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

Aberdeen.

Date of issue

13/2/31

Committee's Minute of

FRI. 13 FEB. 1931

Character assigned

+ 100.A.1

Lloyd's arch.

+ Lmb. 1.31.

Ch. Elec. Lt

My

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

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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.)

	PORT SIDE.	STARBOARD SIDE.	APPROVED.
FRAMES in Fore Peak.	4" x 3" x 30" angles.	4" x 3" x 30" angles.	4" x 3" x 30" angles.
" " way Drimming Tank (forward)	4" x 3" x 30" angles.	4" x 3" x 30" angles.	4" x 3" x 30" angles.
" " " Hold.	5" x 3" x 40" even frames.	4" x 3" x 36" angles.	4" x 3" x 36" angles.
" " " Boilers + Bunkers.	5" x 3" x 46" A even "	4" x 3" x 46" angles.	4" x 3" x 46" "
" " " Engine Room.	5" x 3" x 50" odd "	4" x 3" x 40" angles.	4" x 3" x 40" "
" " " Drimming Tank (aft)	5" x 3" x 44" odd "	4" x 3" x 40" angles.	4" x 3" x 40" "
" " " After Peak.	5" x 3" x 40" A even "	4" x 3" x 40" angles.	4" x 3" x 40" "
" " " Bridge Tween Decks.	5" x 3" x 44" even "	4" x 3" x 30" angles.	4" x 3" x 30" "
" Backing 52-58 inclusive	4" x 3" x 30" angles.	4" x 3" x 30" angles.	4" x 3" x 30" "
	4" x 3" x 40" angles.	4" x 3" x 40" angles.	3" x 3" x 28" "

All Frames, stop at Upper Deck, in way of Bridge. In Bridge Tween Decks they are 45" apart, except the 4 frames, at each end of Bridge, where they are 215" apart.
All Frames in way of Forecastle, extend to Forecastle Deck.

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

1st Bower 4.1.27 Cwt. J. Loogen. Düsseldorf. 190. 1.9.28.
2nd " 4.1.22 Cwt. M. Berg. Düsseldorf. 4053. 29.7.29.
3rd " ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Peep ✓ ft., R.O.D. 30.0 ft., Bridge 43.0 ft., Forecastle 30.75 ft. Combined 73.00.
(in feet and tenths). When the Peep is joined to the R.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.

Official No. 160746. ; Signal Letters

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

particulars of composition throughout.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	✓	✓
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	✓	✓
Double bottom, if under Engines only,	✓	✓	Deep tank, aft, Drimming Tank 9-15	10.75	102.
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward, Drimming Tank 51-59.	14.33	202.
Double bottom, forward,	41.51	17.91	Other tanks, if fitted, Feed Tanks 36-41.	8.95	8.
	17.91-26.86	13	(If necessary, furnish further information by sketch.)	✓	✓
		13.			

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 1802

Date 1.7.30.

Dates of Surveys held while building

1930. August 27. September 2. 8. 15. 18. 23. 25. October 1. 7. 16. 27. 31.
November. 5. 7. 11. 12. 14. 19. 26. December. 1. 8. 16. 18. 23. 29.
1931. January 5. 9. 10. 12. 13. 20. 22. 30.

Lloyd's Register Foundation
Total No. of Visits 33.