

STEEL STEAMER ~~OR MOTORSHIP~~

Received at London Office - 7 NOV 1928

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

Date of completion of report

November 6<sup>th</sup> 1928

Port of

Aberdeen

No.

15394

Survey held at

Aberdeen

Date First Survey

August 1<sup>st</sup> 1928

Last Survey

October 29<sup>th</sup>

1928

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

Yes

Single Screw Hopper Barge

Francis Gilbertson

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

Full Scantling

State Type of Erections

NONE

TONNAGE under Tonnage Deck

243.27

CLASS

100 A.I.

State if with freeboard

no

HOPPER BARGE

as condition of Class

FEET.

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

L 115.0

Breadth (greatest moulded)

B 27.0

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

D 11.0

Tonnage

275.25

Net Tonnage

106.74

REGISTERED DIMENSIONS. FEET.

Length

115.1

Breadth

27.15

Depth

10.05

1st Longitudinal Number (L x D)

1265

2nd Numerical L x (B + D)

4370

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

10.46

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

10.45

Draught Moulded

9.7

Built at

Aberdeen

Launched

11.10.28

Yard No. 612

Builders

Messrs. A. Hall &amp; Co. Ltd.

Owners

Great Western Railway Co.

Managers

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

Residence Paddington, London, W.2

Port of Registry

London

If surveyed while building, afloat, or in dry dock

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.
MES, Spacing <u>in way of Hopper</u>	22"		Bracket Floors, Frame		
" " <u>remainder from length to Collision bulkhead</u>	21"		" " Reversed Frame		
" " <u>in peaks</u>	21"		" " Vertical Struts		
E FRAMING.			Centre Girder, depth and thickness amidships		
ame Amidships, Angle, <u>E or F</u>	4" 2 1/2" 30"	4" x 2 1/2" x 30"	" " top Angles		
" " <u>CLEAR OF HOPPER</u>	" " "	30 E.S. 38 B.S.	" " bottom Angles		
" " Extends up to	uppermost Deck		Side Girders, No. each side and thickness		
versed Frame Amidships, Angle, <u>E or F</u>	2 1/2" 2 1/2" 29"		Margin Plate depth (excl. of flange) and thickness		
" " <u>CLEAR OF HOPPER ON TOP OF FLOORS</u>	3" 3" 39"		" " Vertical Angle to Tank side		
" " <u>Extends up to</u>	5" 4" 40"		" " Bracket abaft 1/2 len. from stem		
pth of Framing Girder	4" as above		" " Vertical Angle to Tank side		
ames in Uppermost Continuous (between) Decks, Angle, <u>E or F</u>			" " Bracket forward 1/2 len. from stem		
" " <u>Second between Decks, Angle, <u>E or F</u></u>			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " <u>Third</u> " " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem		
aming in Peaks, Angle, <u>E or F</u>	4" 2 1/2" 30"		Tank Side Brackets, height above base line at toe of Frame and thickness		
iameter and Spacing of Rivets through Frame and Shell Plating amidships	5" rivets 7 dia throughout		INNER BOTTOM PLATING.		
ate if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake		
TING ARRANGEMENTS (Sec. 7), state system and particulars	not required		Thickness of remainder in Holds		
ENGTHENING OF BOTTOM FORWARD. State Particulars	not required		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bankers and Boiler Room?		
LE BOTTOM.			BEAMS.		
ors, Depth and thickness at mid-line in Holds, <u>WAY OF HOPPER</u>	38" and as per Section		Uppermost Continuous Deck, amidships, in Walls, Angle, <u>E or F</u>	13 1/2" x 30" plate 3 flange 6 B.S.	
" " <u>CLEAR OF HOPPER</u>	16" x 29" E.S. 38 B.S. 39"		" " <u>in way of Bridge, Angle, <u>E or F</u></u>	4" 2 1/2" 30"	
Height of Brackets at side above base line at toe of frame	as per Section		Spacing	on each frame	
PER CENTRE			FORWARD		
ale Line Keelson, on Floors, Angles, <u>E or F</u>	Sides 3 1/2" Bars 2 1/2" x 2 1/2" x 30"		Second Deck, amidships, Angle, <u>E or F</u>	5" 3" 34"	
" " Through Plate or Intercostal Plate	in way of Divisions 3" x 3" x 34"		Spacing	on each frame	
" " Foundation Plate on Floors	Brackets inside 30"		UNDER CRANE.		
" " Flat Plate Keel Angles	in way Hopper Keelson 7" x 3 1/2" x 30"		Third Deck, amidships, Angle, <u>E or F</u>	8" x 3" x 3" x 45"	
HOPPER SIDES CONNECTION TO B-STRAKE. (Side Keelsons, No. each side <u>ONE</u> )	8" x 3 1/2" x 30" Z-bars		Spacing	as per Profile	
FORWARD OF HOPPER.			FLAT FORWARD.		
thickness of Intercostal Plate	2.7		Fourth Deck, amidships, Angle, <u>E or F</u>	4" 3" 30"	
" " <u>BULB</u> Angles <u>ON FLAT</u>	6" 3" 36"		Spacing	on alternate frames	
" " <u>TO SHELL</u>	2 1/2" 2 1/2" 27"		POOP DECK, Angle, <u>E or F</u>		
DOUBLE BOTTOM. CENTRE KEELSON. <u>CLEAR OF HOPPER</u>	11" 8" x 3" x 50" B.S. in B.S.		Spacing		
Solid Floors, thickness and spacing	11" 3" x 3" x 31" B.S.		BRIDGE DECK, Angle, <u>E or F</u>		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			FORECASTLE DECK, Angle, <u>E or F</u>		
" " breadth and thickness at margin plate			Spacing		



## 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.
<b>PILLARS, No. of Rows.....</b>	ONE		<b>ANGLE</b> Stringer Plate, breadth and thickness in way of Bridge .....	3" 3" .32"	✓
" <b>FORWARD.</b> in <del>between</del> Decks, Size and Spacing.....	3" dia. as approved, spaced on alternate frames.		Thickness of Plating abreast Deck openings in way of Wells.....	.32" + .28"	
" " " " "			Thickness of Plating abreast Deck openings in way of Bridge.....	✓ ✓ ✓	
" <b>UNDER CRANE FORWARD.</b> in Holds " " "	Centre Line B.H. 4" x 3" x .32" Brackets 2 1/2" x 3" x .32" Double Jags 6" x 3" x .32" frames 50 + 56		Thickness of Plating within line of openings.....	.28" + .20"	✓
" " " " "			If Sheathed, material and thickness .....	✓ ✓ ✓	
" <b>HOPPER SIDES.</b> <del>Centre Line Bulkhead.</del> Stiffeners and Spacing.....	ANGLES: 4" 2 1/2" .32" 22" apart. approved .30.		<b>Third Deck.</b> Stringer Plate, breadth and thickness.....		
Plating, thickness of .....	.34"		If Plated, state thickness.....		
<b>STRINGERS AND DECKS.</b> <b>Uppermost Continuous Deck.</b> Stringer Plate, breadth and thickness in Wells WAY OF HOPPER	4 1/2" .32" Doublings Corners		<b>Fourth Deck.</b> Stringer Plate, breadth and thickness.....		
" " " " in way of Bridge	✓ ✓ ✓		If Plated, state thickness .....		
" Angle in Wells <b>FITTER INSIDE</b> ...	3" 3" .32"		<b>Poop Deck.</b> 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 .....	✓ ✓ ✓		<b>Bridge Deck.</b> Stringer Plate, breadth and thickness.....		
Thickness of Plating within line of openings.....	✓ ✓ ✓		Plating, Sheathing, material and thickness .....		
If Sheathed, material and thickness .....	✓ ✓ ✓		<b>Forecastle Deck.</b> Stringer Plate, breadth and thickness .....		
<b>Second Deck.</b> <b>FORWARD AND AFT.</b> Stringer Plate, breadth and thickness in Wells...	.32" as per Plans.		Plating, Sheathing, material and thickness .....		

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS IN WAY OF HOPPER.		FORWARD.	AFT.		State if joggled? <i>no.</i>	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.	
FLAT PLATE KEEL .....	60"	42"	38"	38"	✓ 41"	2 1/4" Single	5/8"	2 1/4"	4 1/4" Double	5/8"	2 1/4"	Lapped.	
" " " CLEAR HOPPER.			38"	38"	✓	CLEAR OF HOPPER	"	2 3/8"	" "	"	"	"	
" <del>DBLG. (if any)</del>	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes ... 149 ...)	A. 36 1/2	35"	45 1/4" 27"	27"	✓	2 1/4" Single	5/8"	2 1/4" 2 3/8"	4 1/4" Double	5/8"	2 1/4"	Lapped.	
BILGE PLATING, No. of Strakes ..... 945 ...)	C. 51"	31"	27"	27"	✓	" "	"	" "	" "	"	"	"	
SIDE PLATING, No. of Strakes ..... 245 ...)	D. 54"	34"	27"	27"	✓	" "	"	" "	" "	"	"	"	
UPPER DECK, Sheer-strake in Wells.....)	E. 54"	35"	31"	27"	✓	✓	✓	✓	8" Double.	"	"	Strapped inside }	
UPPER DECK, Sheer-strake in Bridge....)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer-strake in Wells.....)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer-strake in Bridge....)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BULKHEADS.													
POOR SIDE PLATING .....	26 1/2"	✓	25"	25"	✓	✓	✓	✓	2 1/2" Single	5/8"	3"	Lapped.	
HOPPER BRIDGE SIDE PLATING ...	48"	34" = 3 strakes.			✓	3 3/4" Double	5/8"	2 1/4"	4 1/4" Double	5/8"	2 1/4"	Lapped.	
FORECASTLE SIDE PLATING	Seven 5/8" rivets between frames and one thro frames in Shell Landings. Hopper sides = 2 R. ✓												

## 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 & approved.	
		STIFFENERS.					
Plating Thickness.		VERTICAL.		HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.		
MIDSHIP BULKH'D.	N <sup>o</sup> 24. } Upper tween decks HOPPER END.	25" 36"	4 1/2" x 3" x 25 A. } 36"	as per plan.			
"	" Second N <sup>o</sup> 44. } HOPPER END	35" 36"	5" x 3" x 34 A. } 36"	" " "			
"	" Third N <sup>o</sup> 53. } NON-W.T.	26" 30"	5" x 3" x 34 A. } 36"	" " "			
"	" Holds	"	"	" " "			
COLLISION	(in Hold) N <sup>o</sup> 61.	26" 38"	5" x 3" x 34 A. } 24"	Store Room Floor.			
AFTER PEAK	" N <sup>o</sup> 5.	26" 38"	4 1/2" x 3" x 30 A. } 27"	as approved.			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Siemens Martin  
Cargo Fleet Iron Co. Ltd. Consell Iron Co. Ltd. Sulzhoftnungshütte Walzwerk Oberhausen

Has the Steel been tested as required by the Rules?

Yes.

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Foundation







