

STEEL STEAMER or MOTORSHIP.

Received at London Office 29 MAY 1928

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 *11th May 1928*
Survey held at *Birkenhead*
On the *(State if Machinery fitted with or without Tonnage Openings)*
State Type *(Full Scantling, Complete Superstructure)*
CLASS *Carrying Petroleum & other goods with freeboard*
No. *93783*
Port of *Liverpool*
Date First Survey *22nd June 1927*
Last Survey *11th May 1928*
S.S. "GRETAFIELD"
Single Screw, Machinery Aft.
State Type of Erections *Prop. Bridge & S.C.*
Built at *Birkenhead*
Launched *22/3/28* Yard No. *931*
Builders *Messrs. Cammell Laird & Co.*
Owners *Messrs. Hunting & Son.*
Managers *(Where necessary to be entered in Reg. Book.)*
Residence *Newcastle-on-Tyne*
Port of Registry *Newcastle*
If surveyed while building, afloat, or in dry dock *All three*

TONNAGE under Tonnage Deck...
Do. of space or spaces between Tonnage Dk. and Upper Dk.
Total *9515.97*
Gross Tonnage *10190.54*
Register Tonnage *6070.57*

REGISTERED DIMENSIONS.
FEET.
Length *500.2*
Breadth *67.9*
Depth *36.9*

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *498.00*
Breadth (greatest moulded) *67.50*
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *37.00*
1st Longitudinal Number (L x D) *18486*
2nd Numeral L x (B + D) *52041*
Framing Depth "d," at middle of length. See Sec. 3 (1d) *32.29*
Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.40*
Do. Long Bridge to top of keel *28.208*
Draught Moulded *28.208*

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 amidships	29 1/2		Bracket Floors, Frame		
" from 1/2 length to Collision bulkhead	29 1/2		" " Reversed Frame		
" in peaks	24		" " Vertical Struts		
E FRAMING.			Centre Girder, depth and thickness amidships	74 1/2" x 50/54	64" x 50.
Frame Amidships, Angle, E or C	9 1/2 3 1/2 46		" " top Angles	6 1/2" x 54 double	3 1/2" x 54 double.
" Extends up to	Upper Deck.		" " bottom Angles	4 1/2" x 50	4" x 40 x 50
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	2 1/2" x 44	
" Extends up to			Margin Plate depth (excl. of flange) and thickness	14 1/2" x 1/2"	
Depth of Framing Girder	9 1/2		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, C or E			" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem		
" " Second 'tween Decks, Angle, C or E			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Third " " off Peak.	9 1/2 3 1/2 43		" " Gussets, spacing and scantling forward 1/2 len. from stem		
Framing in Peaks, Angle, C or E	10 1/2 5 1/2 44		Tank Side Brackets, height above base line at toe of Frame and thickness	3 7/8" x 48	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" x 5 1/2" 50		INNER BOTTOM PLATING. IN ENGINE SPACE		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake	22 1/2" x 1/2"	
STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars	Side stringers 12 x 21 Deep frames 3 plates each side 12 x 21 3 plates each side 12 x 21 Deep floor beams		Thickness of remainder in Hold	5 1/4"	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			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	
ANGLE BOTTOM.			BEAMS.		
on Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	8 1/2 3 1/2 44	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, C or E	9 3 1/2 45/50	
Middle Line Keelson, on Floors, Angles, C or E			Spacing	24" x 29 1/2"	
" " Through Plate or Intercoastal Plate			MAIN DECK FORD FRITZ STEEL	10 5 1/2 45	
" " Foundation Plate on Floors			Second Deck, amidships, Angle, E or C	9 3 1/2 42	
" " Flat Plate Keel Angles			Spacing	27" x 24"	
Side Keelsons, No. each side			Third Deck, amidships, Angle, C or E		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Fourth Deck, amidships, Angle, C or E		
DOUBLE BOTTOM. In Engine Space only.			Spacing		
Solid Floors, thickness and spacing	52/50 29 1/2		Poop Deck, Angle, E or C	8 1/2 3 1/2 37/44	
" " Are Frame and Reversed Frame joggled?	Yes		Spacing	24" x 29 1/2"	
Bracket Floors, breadth and thickness at middle line			Bridge Deck, Angle, E or C	8 1/2 3 40	
" " breadth and thickness at margin plate			Spacing	29 1/2" 10 3 1/2 52	
			Forecastle Deck, Angle, E or C	9 3 1/2 42	
			Spacing	24" x 27"	

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...	✓	
„ „ „ „ „ „	✓		If Sheathed, material and thickness	✓	
Two LONG. Centre Line Bulkhead. <i>fr 62-175.</i>	<i>9.8 x .42 / 34 BR</i>		Main Third Deck. Fore		
Stiffeners and Spacing.....	<i>15 x 2 1/2 x .42 [295]</i>		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of <i>Unstiffened plating</i>	<i>1/4</i>		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck. W.T. Flat Fore		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	<i>83 .59</i>		If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	<i>83 .59 / 1.16</i>		Poop Deck.		
„ Angle in Wells	<i>6 6 .89</i>		Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings) in way of Wells	<i>.69 / .89</i>		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings) in way of Bridge	<i>.69 / .89</i>		Bridge Deck.		
Thickness of Plating within line of openings...	<i>.69 / .89</i>		Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ...	✓	
Second Deck. MAIN DECK AFT.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	<i>.38 / .54</i>		Stringer Plate, breadth and thickness	✓	
			Plating, Sheathing, material and thickness ...	✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled?			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. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
FLAT PLATE KEEL	75 1/4	1.00	.84	.82	(see correspondence)	2R	1 1/8	3.4.5R.	1 1/8	4 Dia.	Discontinuous	
„ DBLG. (if any)	56 1/2											
BOTTOM PLATING, No. of Strakes.....	68 3/4	.76	.76	.57		"	1/8	4 Dia. 3.4.5R.	1 1/8	4 Dia.	"	
BILGE PLATING, No. of Strakes.....	78 9/16	.74	.63	.58		"	7/16	3.4.5R.	"	"	"	
SIDE PLATING, No. of Strakes.....	74	.68	.50	.54		2R. 3R.	"	3.4.R.	7/8	3 1/2 4 Dia.	"	
UPPER DECK, Sheer- strake in Wells.....	75 7/8	1.14 4.1.26.	.50	.50		2R.	7/16 1 1/8	3.4.5R.	1 1/8 1 1/2	3 1/2 4 Dia.	"	
UPPER DECK, Sheer- strake in Bridge.....	"	"	"	"		2R.	1 1/8	5R.	1 1/4	4 Dia.	"	
STRAKE BELOW Sheer- strake in Wells.....	75 1/2	.68	.50	.50		"	7/8	3.4.R.	7/8	3 1/2	"	
STRAKE BELOW Sheer- strake in Bridge ...	49 1/2	"	"	.49 1/2	✓	1R + 2R.	3/4 1 1/8	3 1/2 D.	2R.	3/4 7/8	2 9/16 3 1/2	
POOP SIDE PLATING	51	"	"	.49 1/2	✓	"	7/8	3 1/2 D.	2R.	7/8	3 1/2	
BRIDGE SIDE PLATING ...	47 1/2	.49 1/2	"	"	✓	"	7/8	3 1/2 D.	2R.	7/8	3 1/2	
FOREC'TLE SIDE PLATING	67	"	.46	"	✓	1R.	7/8	3 1/2 D.	"	3/4	2 9/16	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c).

Deck next below.

As per Rule *Approved*.

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	✓	✓	✓
STEM	Rollers Steel	11 x 2 3/4	✓	✓
STERN FRAME { Propeller Post	Upper part Cast Steel	As propeller plate	St. Peter works Ltd.	
{ Rudder	Lower part Forged Steel		Prague.	
RUDDER—A x D	✓	✓		
Speed of Vessel	12 1/2 knots.			
RUDDER ^{Stock} main piece at head	Forged Steel	15	St. Peter works Ltd.	✓ + 1/2"
" ^{Trans. Bar} " heel	Cast Steel	✓	Prague	
" how constructed	Cast. Frame + Lamin. Plates.			
" double or single plate	Double			
" coupling, vertical or horizontal	Horizontal			

STIFFENERS.

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULK'D,	Upper tween decks					
"	" Second "					
"	" Third "					
"	" Holds					
COLLISION	" (in Hold)	✓ $\frac{1}{4}$ 196	$\frac{3}{4}$ 26	$\frac{1}{2}$ 3 = 40 in. $\frac{1}{2}$ 3 = 34. 24.		Ord. S. Plat.
AFTER PEAK	"	✓ $\frac{1}{4}$ 10	$\frac{5}{8}$ 34	$\frac{1}{2}$ 3 = 34 in. $\frac{1}{2}$ 3 = 34 = 34. Square Plat.		

STEEL.

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

Has the Steel been tested as required by the Rules?

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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.)

Master's Letter.

Profile, deck plan and fore and aft arrangement.

Cargo Stowage

Deck plating

Lower portion of Stern frame

Rudder + Stern frame

Sheer plating at break.

Details of Deck Rerailing

Rerailing Notes

Deck Laid aft.

Construction of aft end and Engines and Boilers Casings

Casing Construction in way of transverse frames + frame supports

High plan of E. & B. Casings.

Scutlings of fore oil tank

Transverse Bulkheads.

Longitudinal Bulkheads in Pump Room.

Port Bulkhead in fore Deck Tank.

Deck Laid aft and Cross Bulkheads.

Scutlings in way of fore oil tank

Construction of Double Bottom in Engine Room

Rerailing of Stowage Trunks + Sherstials

Construction of Mid Tank fore

Scutlings of Collision Bulkheads

" " Bridge Deck Beams

Stowage in fore + transverse for steam skating pipes

Transverse bulkheads in fore Mid Tank.

Stg. to aft Cross Bulkheads

Construction of Mid Tank fore

Intermediate Stiles

Deck Laid fore

Method of attaching transverse covers to tank tops etc.

Apparatus Equipment

Master's Letter (as built).

Frame Plan (as built)

3 Longitudinal Section Report. (Stern frame, Rudder, Intermediate + Stiles)

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

1st Bower	54 - 3 - 27	M.B.	3268	30/8/27
2nd "	55 - 0 - 10	M.B.	3269	30/8/27
3rd "	54 - 1 - 21	R.H.	4830	26/8/27

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 143.75 ft., R.Q.D. ✓ ft., Bridge 36.125 ft., Forecastle 48.125 ft.

(in feet and tenths). When the Poop 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) 1 Deck (Pl.)

Official No. 149468; Signal Letters

Is bottom of Vessel coated with cement No.

particulars of composition Tank under Engines are iron raftered tank only. — Bottomed.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		245
Double bottom, under Engines and Boilers,			After peak tank,		301
Double bottom, if under Engines only,	31.96	1705	Deep tank, aft,	37.54	720
Double bottom, if under Boilers only,			Deep tank, forward,	37.54	779
Double bottom, forward,			Other tanks, if fitted, Fore Caisson 179/177.		272
Total capacity of double bottom			(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. 1205

Date 14/6/27

Dates of Surveys held while building

1927. June 22, 30, July 5, Aug 15, 16, 25, 29, Sept 5, 12, 14, 20, Oct 3, 5, 10, 11, 17, 24, 31, Nov 8, 11, 14, 15, 18, 25, 28, 29, 30.
Dec 2, 8, 15, 19, 20, 22, 29, 30. 1928. Jan 3, 4, 6, 9, 12, 19, 20, 24, 26, 28, 31, Feb 1, 3, 4, 15, 16, 21, 22, 23, 25, 26, 27, 28, 29.
Mar 1, 11, 2, 5, 5, 6, 7, 9, 9, 10, 12, 13, 14, 14, 15, 15, 16, 17, 19, 19, 20, 20, 21, 22, 23, 27, 30, Apr 13, 16, 19, 27, 30, 30, May 2, 3, 4, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30.

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Lloyd's Register Foundation
Total No. of Visits 102

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.					
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.		
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Spang.		Number.	Diameter.	
ing of L, L or C	No. 1																		
es in Bridge 'tween Decks	" 2																		
es from Uppermost Continuous Deck	" 3																		
Framing from Awning, Shelter or Upper Deck to Margin Plate.	" 4																		
	" 5																		
	" 6																		
	" 7																		
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Bottom																			
Amidships																			
At Ends																			
Transverses.																			
Bridge	Depth and Thickness																		
Face Angles																			
Lugs to Shell																			
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Depth and Thickness																			
Face Angles																			
Lugs to Shell																			
Brackets																			
not giving of Transverse																			
State if jogged or liners.																			
itudinal	Bridge Deck																		
ms of	Awg. or Shltr. Dk.																		
Upper																			
Second																			
Third																			

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

of same address—Manager—