

STEEL STEAMER or MOTORSHIP.

Received at London Office

OCT 20 1937.

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

Port of

No.

Survey held at

Date First Survey

29th April 1937.

Last Survey

12th October

1937

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

Single Screw Eng. "ENGLISHMAN".

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

Full Scantling

State Type of Erections

4c/c.

TONNAGE under Tonnage Deck

406.81

CLASS * 100 A.1. State if with freeboard as condition of Class

No.

Built at Selby.

Do. of space or spaces between Tonnage Dk. and Upper Dk.

✓

Length from fore part of stem to after part of stern

L 135.0

Launched 10th July 1937 Yard No. 1184.

Total

406.81

Breadth (greatest moulded)

B 30.0

Builders Messrs Lochrane & Sons Ltd.

Gross Tonnage

486.55

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

D 16.0

Owners United Towing Co. Ltd.

Register Tonnage

89.14

1st Longitudinal Number (L × D)

= 2160

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

2nd Numeral L × (B + D)

= 6210

Residence

REGISTERED DIMENSIONS.

FEET.

Length

135.1

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

14.50

Port of Registry Hull.

Breadth

30.2

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

8.12

If surveyed while building, afloat, or in dry dock

Depth

15.15

Draught Moulded

14'-6 3/4"

While building & afloat.

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	20	✓	Bracket Floors, Frame		
" " from 3/4 length to Collision bulkhead	20	✓	" " Reversed Frame		
" " in peaks	20	✓	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or G	6 3 40	✓	" " top Angles		
" " Extends up to deck			" " bottom Angles		
Reversed Frame Amidships, Angle	2 1/2 2 1/2 375	✓	Side Girders, No. each side and thickness		
" " in Eng. Rm.	5 5 50	✓	Margin Plate depth (excl. of flange) and thickness		
" " in Br. Rm.	3 1/2 3 1/2 50	✓	" " Vertical Angle to Tank side		
Depth of Framing Girders	across floors	✓	" " Bracket abaft 1/4 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, E or G			" " Vertical Angle to Tank side		
" " Second 'tween Decks, Angle, E or G			" " Bracket forward 1/4 len. from stem		
" " Third " " " "			" " Gussets, spacing and scantling		
Framing in Peaks, Angle, E	6 3 40	✓	" " abaft 1/4 len. from stem		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/4	✓	" " Gussets, spacing and scantling		
State if Frame Joggled	No.	✓	" " forward 1/4 len. from stem		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Requirements do not apply.	✓	Tank Side Brackets, height above base line at top of Frame and thickness		
STRENGTHENING OF BOTTOM FORWARD. State Particulars			INNER BOTTOM PLATING.		
SINGLE BOTTOM.			Breadth and thickness of Middle Line Strake		
Floors, Depth and thickness at mid-line in Holds	18" x 375"	✓	Thickness of remainder in Holds		
Height of Brackets at side above base line at top of frame	45 in Eng. Rm.	✓	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?		
Middle Line Keelson, on Floors, Angle, E or G	50 in Br. Rm.	✓	BEAMS.		
" " Through Plate or Intercoastal Plate	17" x 4" x 4" 14 3/4 No.	✓	Uppermost Continuous Deck, amidships	5 3 375	✓
" " Foundation Plate on Floors		✓	" " in Wells, Angle, E or G		
" " Flat Plate Keel Angles		✓	" " Half beams in way of Bridge, Angle, E or G	4 1/2 3 375	✓
Side Keelsons, No. each side	One.	✓	Spacing	20	✓
" " thickness of Intercoastal Plate	375	✓	Second Deck, amidships, Angle, E or G		
" " Angles	5 3 50	✓	Spacing		
DOUBLE BOTTOM.			Third Deck, amidships, Angle, E or G		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Fourth Deck, amidships, Angle, E or G		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Poop Deck, Angle, E or G		
			Spacing		
			Bridge Deck, Angle, E or G		
			Spacing		
			Forecastle Deck, Angle, E or G	5 1/2 3 375	✓
			Spacing	20	✓

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..... <i>One</i>		✓	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 „ „	3 1/2" dia	✓	Thickness of Plating within line of openings...		
„ „ „ „ „	in fore cabin	✓	If Sheathed, material and thickness		
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....		
Plating, thickness of	✓		If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	21 x .50	✓	If Plated, state thickness		
„ „ „ „ in way of Bridge	✓		Poop Deck.		
„ Angle in Wells	6 5 75	✓	Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Wells35	✓	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.....		
If Sheathed, material and thickness	5 x 3" teak	✓	Plating, Sheathing, material and thickness ...		
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	✓		Stringer Plate, breadth and thickness.....	30 x .50	✓
			Plating, Sheathing, material and thickness ...	30 part 4 x 3" teak	✓

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.	
GARBOARD												
Flat Plate Keel	42	.50 ✓	.38 ✓	.38		Double	3/4 5p.R. ex.F.R.	Double	3/4	2 5/8	Strapped	
„ DBLG. (if any)	✓	✓				✓		✓				
BOTTOM PLATING, No. of Strakes 2	51	.40 ✓	.40 ✓	.40		Double	3/4 5p.R. ex.F.R.	Double	3/4	2 5/8	Lapped.	
BILGE PLATING, No. of Strakes 1	52	.40 ✓	.40 ✓	.375		"	" "	"	"	"	"	
	52	.45 ✓	.40 ✓	.375		"	" "	"	"	"	"	
SIDE PLATING, No. of Strakes 1	54	.50 ✓	.50 ✓	.40		"	" "	"	"	"	"	
UPPER DECK, Sheer-strake in Wells	48	.68 ✓	.68 ✓	.50		"	7/8 "	"	7/8	3 3/8	Strapped	
UPPER DECK, Sheer-strake in Bridge	✓	✓				✓	✓	✓				
STRAKE BELOW Sheer-strake in Wells	52 1/2	.50 ✓	.50 ✓	.40		Double	3/4 5p.R. ex.F.R.	Double	3/4	2 5/8	Lapped	
STRAKE BELOW Sheer-strake in Bridge	✓	✓										
POOP SIDE PLATING	✓	✓										
BRIDGE SIDE PLATING	✓	✓										
FOREC'TLE SIDE PLATING			.31			Single	3/4 6p.R. ex.F.R.	Single	3/4	2 5/8	Strapped	

WATERTIGHT BULKHEADS.

Total No. of **W.T. BULKHEADS** in Vessel— *unrated plating*

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		7 1/2" x 1 7/8" ✓		
STEM		7 1/2" x 1 7/8" ✓		
STERN FRAME {	Propeller Post	7 3/4" x 3 1/2" ✓	Y. & L. Yonkers	
	Rudder	6 1/2" x 3 1/2" ✓	Sears	
RUDDER—A x D	157-32 ✓			
Speed of Vessel	13 Knts ✓			
RUDDER mainpiece at head ...		4 Anging 6 7/8" x 6 3/8" ✓	Y. & L. Yonkers	
" " heel ...		" 6 3/8" x 3 1/8" ✓	Sears.	
" " how constructed		4 Anged steel		
" " double or single plate		Double - 32 ✓		
" " coupling, vertical or horizontal		Horizontal ✓		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).
 PLATES:- *Bissett Iron Co. Ltd. Dorman Long Steel Co. Ltd.*
 SECTIONS:- *Dorman Long Steel Co. Ltd. Appleby - Frodingham Steel Co. Ltd.*
 Has the Steel been tested as required by the Rules? *No see steel test sheets*

EQUIPMENT No.										LETTER	ANCHORS.					
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 55	Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				Cwts.	
50655	1st Bower	10	1	22	Stockless			12	8	3	0	10 1/4	Perkins type.	Not stated	Bradley, Heath 29.7.37 S.C. Paul	
50656	2nd "	10	1	16	"			12	6	2	7	10 1/4	"	"	"	"
	3rd "												"	"	"	"
	Collective weight.	20	3	10								20 1/2				
H9417	KEOGE Stockless	3	2	4	-	3	20	5	18	3	0	3 1/2	Ordry / qrs W.I.	Not stated	Bradley, Heath 7.10.36 S.C. Paul	

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.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
55005	180	1 1/4	28 1/8	42 1/8	144	0	7		180	1 1/4	Sted B. Hargley	Bradley Heath	TOWLINE..	60	7	manilla	60	7	
											Rick & Sons.	28.7.37 S.C. Paul	HAWSERS & WARPS	60	5 1/2	"	60	5 1/2	
Iron Stream Chain or Steel Wire	✓	✓																	

Steering Gear, Steam *Donkin & Co. Ltd. Efficient* Steering Gear, Hand *Donkin & Co. Ltd. Efficient.*
 Main Beam *21'0" x 7'5" x 3'33"* Steering Chains, Size and Test *1 1/6" dia - 13 1/2 tons* Windlass *Blake Chapman Flood.*
 Keelbrat *18'5" x 6'5" x 2'5"* Ceiling in Holds, thickness and material *2 1/2" W. line* Cargo Battens, thickness, material and spacing *None*
 Cargo Hatchways. (Upper Deck) *✓* Thickness of Hatches *✓*
 Size of No. 1 Hatchway (Forward) *✓* No. 2 *✓* No. 3 *✓* No. 4 *✓* No. 5 *✓* No. 6 *✓*
 Number of Shifting Beams and/or Fore and Afters *✓*

FOR COCHRANE & SONS. LTD.

Builder's Signature

J. H. Cochrane.

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 approved plans, and instructions, and in conformity with the Rules for the class contemplated.

The materials and workmanship are satisfactory.

A load line has been assigned, the marks cut in on the vessel's sides and verified.

The fore & after peak tanks have been tested in accordance with the Rule requirements and found in order.

Decks, casings, pumps, watertight bulkheads & doors, steering gear, windlass have been tested and found satisfactory.

The overall length of the vessel is 142.9 ft.

Extreme breadth over belting is 30.45 ft. beam out

The amount of Entry Fee £ *3 : 0 : 0*
 Special Survey Fee.... £ *48 : 13 : 0*
 FREEBOARD. £ *6 : 0 : 0*
 Travelling Expenses, if any £ *1 : 15 : 6*

Fees applied for *19 OCT 1937*
 Received by me, *21.10.1937*

I am of opinion the Vessel should be Classed *+ 100 A-1.*
"For towing services."

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

Signature

J. H. Cochrane.
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Hull.*

Date of issue *3/12/37.*

Committee's Minute

TUE 26 OCT 1937

Character assigned

+ 100 A-1
For Towing Services

Lloyd's A-1

+ dmc 10.37 £5.00

Oh.

W. H. H. (Hrm)

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

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Lloyd's Register Foundation

W396-0007 2/2

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.)

The following approved plans are enclosed herewith:—

Midship section.
Profile & decks.
Stem frame & rudder.
Bulkheads.
Rudder quadrant.
Alteration to rudder coupling.
Pumping plan.

Yaging certificates enclosed herewith:—

Stem frame
Rudder frame.
Yiller.

Steering chain test certificate.

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 Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ 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)

Official No. 165680 Signal Letters

Is bottom of Vessel coated with cement ☒ Yes. ☐ No. 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,	7.75	20
Double bottom, under Engines and Boilers,			After peak tank,	8.80	37
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
			(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. 3131.

Date 25th Feb. 1937.

Dates of Surveys held while building

1937:— April 29th. May 7. 14. 21. June 1. 4. 15. 17. 22. 28.
July. 9. 15. 21. 26. 29. August. 4. 11. 17. 24. 31.
Sept. 3. 13. 14. 20. 21. 24. 28. 30. Oct. 2. 4. 6. 7. 8. 11. 12.

Total No. of Visits 35