

Rpt. 1

STEEL STEAMER OR MOTORSHIP

Received at London Office

State of Report has been sent on the Freeboard of the Vessel No.

State of Report is sent on the Machinery of the Vessel Yes.

Date of completion of report

Port of Hull

No.

51861

Survey held at Selby and Hull

Date First Survey 14th October 1941.

Last Survey 9th December 1942.

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

Steel single screw controlled wheel "CORNCRAKE"

(Machinery aft)

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

Full Scantling

State Type of Erections R.Q. DECK & FORECASTLE

TONNAGE under Tonnage Deck ...

339.84

CLASS +100A-1

State if with freeboard as condition of Class

✓

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 post on summer L.W.L. See Sec. 3 (1a)

FEET

146.5

Launched 6th March 1942

Yard No. 1246

Total

339.84

Breadth (greatest moulded)

B

25.0

Builders Cockburn & Sons Ltd

Gross Tonnage

383.55

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

D

14.0

Owners The Admiralty

Register Tonnage

132.66

1st Longitudinal Number (L x D)

2051

Managers

(Where necessary to be entered in Reg. Book)

2nd Numeral L x (B + D)

5713

Residence London

REGISTERED DIMENSIONS.

FEET

Length

147.8

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

12.58

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

1046

Breadth

25.15

Do. Long Bridge to top of keel

✓

Depth

13.25

Draught Moulded

✓

Port of Registry

If surveyed while building, afloat, or in dry dock

During construction

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	21	✓	Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead	16	✓	" " Reversed Frame		
" " in peaks	21	✓	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, [or]	5 3 40	✓	" " top Angles		
" " Extends up to	UPPER & R.Q. DECKS	✓	" " bottom Angles		
Reversed Frame Amidships, Angle	3 3 38	✓	Side Girders, No. each side and thickness		
" " Extends up to	across floors	✓	Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	5	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Third			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
" " from 1/2 len. for'd. to 15% len. from Stem			Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle, [or]	5 3 40	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" - 5/16"	✓	Breadth and thickness of Middle Line Strake		
State if Frame Joggled	No.	✓	Thickness of remainder in Holds	✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?		✓	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.	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?		✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in	5 3 50	✓
Floors, Depth and thickness at mid-line in	17" x 375	✓	" " in way of Bridge, Angle, [or]		✓
Height of Brackets at side above base line at toe of frame	50 in E.R. - 43 in B.R.M.	✓	Spacing	42	✓
Middle Line Keelson, on Floors, Angles	12 x 4 x 4 x 36 x 47	✓	RAISED QUARTER DECK		
" " Through Plate or Inter-costal Plate	✓		Second Deck, amidships, Angle, [or]	5 3 40	✓
" " Foundation Plate on Floors	✓		Spacing	20" - 20 1/2" - 21 1/2"	✓
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, [or]		
Side Keelsons, No. each side	ONE	✓	Spacing		
" " thickness of Inter-costal Plate	✓		Fourth Deck, amidships, Angle, [or]		
" " Angle	5 4 50	✓	Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Bridge Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, [or]	4 3 49	✓
			Spacing	21" to 32"	✓

(MADE IN ENGLAND.)

W396-0223 1/2

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Lloyd's Register Foundation

PILLARS AND DECKS.

PILLARS, No. of Rows		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		ONE		Stringer Plate, breadth and thickness in way of Bridge		
in 'tween Decks, Size and Spacing		3" DIAR. AS		Thickness of Plating abreast Deck openings in way of Wells		
		APPROVED.		Thickness of Plating abreast Deck openings in way of Bridge		
in Holds		✓		Thickness of Plating within line of openings		
		✓		If Sheathed, material and thickness		
Centre Line Bulkhead. (IN CROSS BUNKER)				Third Deck.		
Stiffeners and Spacing		5 x 3 x 30		Stringer Plate, breadth and thickness		
		SR 40" x 42"		If Plated, state thickness		
Plating, thickness of		30		Fourth Deck.		
STRINGERS AND DECKS.				Stringer Plate, breadth and thickness		
Uppermost Continuous Deck.				If Plated, state thickness		
Stringer Plate, breadth and thickness in Wells		50 x 31		Poop Deck.		
		R.G. DECK		Stringer Plate, breadth and thickness		
in way of Bridge		53 x 31		Plating, Sheathing, material and thickness		
Angle in Wells		3 3 375		Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Well BOILER CASING		35		Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Bridge ENGINE CASING		31		Plating, Sheathing, material and thickness		
Thickness of Plating within line of openings		31		Forecastle Deck. (WHALEBACK)		
If Sheathed, material and thickness		NOT SHEATHED		Stringer Plate, breadth and thickness		30 x 30
Second Deck.				Plating, Sheathing, material and thickness		28
Stringer Plate, breadth and thickness in Wells		✓		UNDER WINDLASS		31

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		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.	
GARBOARD											
Flat Plate Keel	A	32	50	42	42	Double	3/4 5 PR R	Double	3/4 2 5/8	Strapped	
Dbg. (if any)	✓	✓				✓		✓			
Bottom Plating, No. of Strakes	B	51	40	375	375	Double	3/4 5 PR R	Double	3/4 2 5/8	Lapped	
Bilge Plating, No. of Strakes	C	51	43	375	375	"	"	"	"	"	
Side Plating, No. of Strakes	D	53	40	375	375	"	"	"	"	"	
Upper Deck, Sheer-strake in Wells	E	51	43	375	375	Double	3/4 5 PR R	Double	3/4 2 5/8	Strapped	
Upper Deck, Sheer-strake in Bridge		✓	✓			✓		✓			
Strake below Sheer-strake in Wells		51	40	375	375	Double	3/4 5 PR R	Double	3/4 2 5/8	Lapped	
Strake below Sheer-strake in Bridge		✓	✓			✓					
Poop Side Plating		✓	✓			✓					
Bridge Side Plating		✓	✓			✓					
Forecastle Side Plating		53	31			Single	3/4	Single	3/4 2 5/8	Strapped	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	4 for main m.b.
Extending to Upper Deck (Sec. 3 c)	4
Deck next below	✓
As per Rule	4

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	Rolled	8" x 2"	APPLEBY-FRODINGHAM	
STEM	"	8" x 2"	STEEL CO. LTD.	
STERN FRAME	Propeller Post	7 1/2 x 3 1/4	T.S. FORSTER & SONS.	
	Rudder	12 x 3 1/4	"	
Speed of Vessel		12 knots		
RUDDER—Type		Ordinary Steam Drive type		
A x D		116 x 86		
Diam. of head		6"		
Mainpiece at top pintle		6 1/2 x 4 1/2		
heel		3 1/2 x 4 1/2		
how constructed		Forged & built		
double or single plate		Double		
coupling, vertical or horizontal		Horizontal		

STIFFENERS.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	✓				
Second	✓				
ON FRAME	47	40-26	6 x 3 x 305	24"	W.T. FLAT.
"	65	36-26	6 x 3 x 305	30"	W.T. FLAT.
"	65	36-26	6 x 3 x 305	30"	W.T. FLAT.
COLLISION	84	36-26	6 x 3 x 305	24"	✓
AFTER PEAK	573-28	4 x 3 x 405	24"	✓	
	12	26	3 x 3 x 305	30"	✓

STEEL.

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

PLATES:—APPLEBY-FRODINGHAM STEEL CO. LD. DORMAN, LONG & CO. LD. CONSETT IRON CO. LD.

SECTIONS:—DORMAN, LONG & CO. LD. SKINNINGROVE IRON CO. LD. APPLEBY-FRODINGHAM STEEL CO. LD.

Has the Steel been tested as required by the Rules? Yes.

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 approved plans of sections in way of mine rails, Profile & main deck showing deck stiffening, modifications to fore and bulkhead.

The following reports are forwarded herewith:-

Stem frame.

Std. Rpt. No 5807.

Rudder frame & rudder head.

" " " 6850.

This vessel is a sister ship to H.M. Trawler "MULLET" - Hull Rpt. No 51820 After launching the following modifications were carried out by Messrs Bigham & Bonarho, Hull, to convert the vessel to a Controlled Minelayer.

STRUCTURAL ALTERATIONS:- A non-W.T. steel bulkhead fitted in frame No 73 to wood flat.

Existing bulkhead in frame No 67 removed. A.W.T. steel bulkhead fitted in frame No 65 extending from keel to main deck. Lower deck removed from frame 56 to 65. Existing bulkheads in frames 59 and 62 removed. A.W.T. steel bulkhead fitted in frame 56, starboard side extending from keel to lower deck, and from lower to main decks on both sides. W.T. bulkhead in frame 52 between lower & main decks removed. A longitudinal W.T. steel bulkhead fitted between frames 52 and 56 near centre line joining boundary of magazine extending from keel to lower deck. Wood flat fitted at level of lower deck forward of 65 frame to collision bulkhead. Wood flat fitted in cable hold efficiently supported by angle beams in accordance with the approved plan. All deep beam knees, deck girders & recessing of deck aft fitted in accordance with the approved plans. All W.T. bulkheads tested the materials & workmanship employed are of good quality & electrodes used are of an approved type

PARTICULARS OF ELECTRIC WELDING (if employed)

Lower deck forward & cabin flat aft electrically welded at ship's sides.
Approved electrodes used.

SPECIAL NOTATIONS:- Either as part of the vessel's class or for record in the Register Book

* 100 A1.

"FOR GOVERNMENT SERVICE"

E.S.D. (see Rpt. 5807)

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

1st Bower

6-0-21.

J.D.

3939.

13/1/42

2nd "

5-0-0.

J.D.

3824.

18/1/42

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 81.33 ft., Bridge ☒ ft., Forecastle 25.08 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. ☒

Signal Letters ☒

Extreme Breadth over Belting 25.17.

Over-all Length 165.1.

No. and Material of Decks 1 DK (STL)

Parts of Bottom of Vessel coated with cement or approved composition.

Fore & after peaks, E. & B. spaces, bunkers & chain locker coated with bituminous solution. Fresh water tank coated with "Bitum".

Particulars of composition (if fitted) and of approval ☒

PARTICULARS OF WATER BALLAST: (Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

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,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity.			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 3293

Date 18th Sept 1941.

Dates of Surveys held while building

1941: Oct. 14. 20. 24. 28. 30. 31. Nov. 5. 6. 11. 14. 18. 21. 26. 28. Dec. 2. 5. 11. 15. 17. 18. 19. 26. 31.
1942: Jan. 7. 13. 15. 27. 30. Feb. 4. 6. 10. 16. 24. 27. March 3. 4. 11. 16. 18. 20. 25. 30.
April 3. 10. 14. 17. 21. 24. 27. May 1. 5. 8. 12. 13. 14. 27. June 3. 9. 10. 13. 14. 23. 24. 27.
July 10. 13. 14. 23. 27. Aug. 11. 25. 28. Sept. 7. 15. 17. 25. 28. 29. Oct. 16. Dec. 8. 9.

Total No. of Visits 76