

STEEL STEAMER ~~OR MOTORSHIP~~

Received at London Office

10 JUL 1942

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 30.5.42.Port of Hull.No. 51664.Survey held at Selly and HullDate First Survey 11th September 1941. Last Survey 28th May 1942.On the (State if Machinery fitted 4 and if Single, Twin or Triple Screw) Steel Single Screw Yag "EMPIRE FAIRY".State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full ScantlingState Type of Erections NoneTONNAGE under Tonnage Deck ... 226.11CLASS 100 A-1.State if with freeboard as condition of Class No.

"FOR TOWING SERVICES".

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 105.0Breadth (greatest moulded) 26.5Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 13.01st Longitudinal Number (L x D) 13652nd Numeral L x (B + D) 4147.5Framing Depth "d," at middle of length. See Sec. 3 (1d) 11.58Proportions—Depth to Length—Uppermost continuous deck to top of keel 8.1Do. Long Bridge to top of keel ✓Draught Moulded 11'9 1/4"Built at SellyLaunched 5th January 1942 Yard No. 1243.Builders Messrs. Buchanan & Sons Ltd.Owners Ministry of War Transport.Managers ✓
(Where necessary to be entered in Reg. Book)Residence ✓Port of Registry HullIf 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	21	✓	" " Reversed Frame		
" " in peaks	21	✓	" " Vertical Struts		
IDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, <u>5 3 36</u>	5 3 36	✓	" " top Angles		
" " in Boiler room + bunkers <u>5 3 42</u>	5 3 42	✓	" " bottom Angles		
" " Extends up to <u>Upper deck</u>	Upper deck	✓	Side Girders, No. each side and thickness		
Reversed Frame Amidships, Angle <u>2 1/2 2 1/2 30</u>	2 1/2 2 1/2 30	✓	Margin Plate depth (excl. of flange) and thickness		
" " Extends up to <u>across floors</u>	across floors	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Depth of Framing Girder <u>5</u>	5	✓	" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		
Frames in Uppermost Continuous 'tween Decks, Angle, [or [" " Gussets, spacing and scantling abaft 1/4 len. from stem		
" " Second 'tween Decks, Angle, [or [" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" " Third " " " "			Tank Side Brackets, height above base line at toe of Frame and thickness		
" " from 1/2 len. for'd. to 15% len. from Stem			INNER BOTTOM PLATING.		
" " in Peaks, Angle <u>5 3 36</u>	5 3 36	✓	Breadth and thickness of Middle Line Strake		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/4	✓	Thickness of remainder in Holds		
State if Frame Joggled	No	✓	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?		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	AS APPROVED.	✓	BEAMS.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			Uppermost Continuous Deck, amidships	5 3 36	5' 3" x 30"
SINGLE BOTTOM.			" " Angle, <u>5 3 36</u>		
Floors, Depth and thickness at mid-line in Holds	17 x 30	✓	HALF BEAMS " " in way of <u>Boiler Room</u> , Angle, <u>5 3 36</u>	4 3 36	4' 3" x 30"
Height of Brackets at side above base line at toe of frame	None	✓	BOILER ROOM & BUNKERS " " Spacing	21	
Middle Line Keelson, on Floors, (Angles) <u>12 x 4 x 4 36 lbs</u>	12 x 4 x 4 36 lbs	✓	Second Deck, amidships, Angle, [or [
" " Through Plate or Inter-costal Plate	✓		Spacing		
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, [or [
" " Flat Plate Keel Angles	✓		Spacing		
(BILGE) Side Keelsons, No. each side	one	✓	Fourth Deck, amidships, Angle, [or [
" " thickness of Intercoastal Plate	✓		Spacing		
" " Angle <u>5 4 38</u>	5 4 38	✓	Poop Deck, Angle, [or [
" " in Boiler room <u>5 4 48</u>	5 4 48	✓	Spacing		
DOUBLE BOTTOM.			Bridge Deck, Angle, [or [
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Forecastle Deck, Angle, [or [
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate					

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	400 ✓		Stringer Plate, breadth and thickness in way of Bridge		
ACCOMMODATION FORWARD			Thickness of Plating abreast Deck openings in way of Wells		
" in 'tween Decks, Size and Spacing	2½" DIA - 42" ✓		Thickness of Plating abreast Deck openings in way of Bridge.....		
" " " " " "	✓		Thickness of Plating within line of openings...		
" in Holds " " " "	✓		If Sheathed, material and thickness.....		
" " " " " "	✓		Third Deck.		
Centre Line Bulkhead.	✓		Stringer Plate, breadth and thickness.....		
Stiffeners and Spacing	✓		If Plated, state thickness		
Plating, thickness of	✓		Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....		
Uppermost Continuous Deck.			If Plated, state thickness.....		
Stringer Plate, breadth and thickness in Wells	60 x .35 ✓		Fifth Deck.		
" " " " in way of Bridge	✓		Stringer Plate, breadth and thickness.....		
" Angle in Wells	3 3 .35 ✓		If Plated, state thickness.....		
Thickness of Plating abreast Deck openings } in way of Well ENGINE CASING30 ✓		Poop Deck.		
Thickness of Plating abreast Deck openings } in way of Bridge BOILER CASING35 ✓		Stringer Plate, breadth and thickness.....		
Thickness of Plating within line of openings... ..	.30 - .25 ✓		Plating, Sheathing, material and thickness ...		
If Sheathed, material and thickness.....	✓		Bridge Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	✓		Plating, Sheathing, material and thickness ...		
			Forecastle Deck.		
			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.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>Yes.</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.	
GARBOARD	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
Star Plate Keel	37	34	34	34		Double	3/4	6 in. R.	Double	3/4	2 5/8	Strapped	
„ Dblg. (if any)	✓	✓				✓							
Bottom Plating, No. of Strakes 2.....	57	32	30	30		Single	3/4	6 R.	Double	3/4	2 5/8	Lapped	
Bilge Plating, No. of Strakes 1.....	56 1/2	34	30	30	32	"	"	"	"	"	"	"	
Side Plating, No. of Strakes						"	"	"	"	"	"	"	
Upper Deck, Sheer- strake in Well	42	40	35	35		Double	3/4	6 in. R.	Double	3/4	2 5/8	Strapped	
Upper Deck, Sheer- strake in Bridge ...													
Strake below Sheer- strake in Well	55 1/2	35	30	30		Double & Single	3/4	6 R.	Double	3/4	2 5/8	Lapped.	
Strake below Sheer- strake in Bridge ...													
Poop Side Plating.....													
Bridge Side Plating.....													
Forecastle Side Plating													

** Excluding rivets in frames*

WATERTIGHT BULKHEADS.

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

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	7" x 1 1/4"	APPLEBY-FROTHINGHAM.	6 1/2" x 1 1/4"
STEM	"	7" x 1 1/4"	✓ "	6 1/2" x 1 1/4"
STERN FRAME { Propeller Post	Forged	5 1/2" x 2 3/4"	T. S. FORSTER	
{ Rudder	"	5 1/4" x 2 1/2"	✓ R. SON.	
Speed of Vessel		11 knots	✓	
RUDDER—Type		single plate		
" A x D		82.5	✓	
" Diam. of head		5 7/8"	✓	
" Mainpiece at top pintle		5 1/2"	✓	
" " heel		4"	✓	
" how constructed		Forged & built	✓	
" double or single plate		single	✓	
" coupling, vertical or		80	✓	
" horizontal		Horizontal		

		Plating Thickness.	STIFFENERS.						
			VERTICAL.		HORIZONTAL.				
			Scantlings.	Spacing.	Scantlings.	Spacing.			
MIDSHIP BULKH'D, Upper 'tween decks									
"	"	Second	FRAME 11	375	6x3x40 5x3x34	30"	✓	✓	
"	"	Third	"	13	4x3x30	30"	✓	✓	
"	"	Holds	"	41	34-26 4x3x38 4x3x30	24" 30"	W.T. FLAT	✓	
COLLISION		(in Hold)	"	55	34-26	3x3x38-30	24	PEAK TANK TOP	✓
AFTER PEAK		"	"	5	43-30	4x3x30	24	STEEL FLAT.	✓

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.
SECTIONS:- CONSETT IRON CO. LD. APPLEBY-FRODINGHAM STEEL CO. LD.
 Has the Steel been tested as required by the Rules? *Yes. ✓*

EQUIPMENT No. <input checked="" type="checkbox"/>				LETTER <input checked="" type="checkbox"/>				ANCHORS.			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested, and Superintendent.
54660	1st Bower	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.
54663	2nd "	6	1	22	Stockless			8	15	0	0
	3rd "	6	1	6	"			8	10	0	0
	Collective weight	12	3	0							
	Stream										

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.
64484	5015F	1	18	27	40.0.25				90	1	Stud	Richard Bradley Heath		TOWLINE	90	12	MANILA		
64485	5015F	1	18	27	40.2.8				90	1	Link	Sykes & Son	17.12.41. A.C. Paul	HAWSERS & WARPS	2090	5	MANILA	60	6
															90	4	MANILA	60	4 1/2
															120	2 1/2	"		

Steering Gear, Type (Power ~~or hand~~) DONKIN & CO'S STEAM HYDRAULIC TYPE. Alternative Means of Steering TILLER WITH BLOCKS & TACKLE

Steering Chains (Size and Test) 7/8" DIAR. 9 1/8 TONS stat. test Windlass STEAM-CLARKE CHAPMAN & CO Boats 2 LIFEBOATS 18'0" x 6'6" x 2'6"

Ceiling in Holds, thickness and material WOOD GRATINGS 1 1/2" PINE. Cargo Battens, thickness, material and spacing NONE.

Cargo Hatchways.-(Upper Deck) NONE Thickness of Hatches NONE

Size of Hatchways No. 1 (Fwd.) ☒ 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 V. Gray DIRECTOR

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) 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 (where required to be inserted in the Notation).

The vessel has been built in accordance with the approved plans, the Secretary's letters of various dates, the specification, and in general conformity with the rules for the class contemplated.

The materials + workmanship are good.

The fore + after peak tanks, the boiler feed tank and fresh water tank have been tested to rule requirements + found satisfactory.

Decks, casings, W.T. bulkheads &c. have been tested and found satisfactory.

Windlass, steering gear etc, tried under working conditions and found in order.

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

The amount of Entry Fee..... £ 3 : 0 : 0 Fees applied for, B JUL 19 1942 (Special notations, where part of class, to be stated.)

FREEBOARD FEE. 4 - 0 - 0

Special Survey Fee..... £ 27 : 14 : 0

SUPERVISION OF SPECIFICATION 6-18-6 Received by me, _____

Travelling Expenses, ~~if any~~ £ 5 : 4 : 3 19 _____

I am of opinion the Vessel should be Classed * 100 A-1.

State whether the Vessel has been built under Special Survey Yes. "FOR TOWING SERVICES".

Certificate to be sent to Hull. Signature M. M. M. M. M. Surveyor to Lloyd's Register of Shipping.

Date of issue 26/8/42

Committee's Minute FRL 14 AUG 1942

Character assigned + 100 A-1

For Towing Services

Lloyd's arch

22, 26 breadth

5.42

ag.

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



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 are being retained for reference in dealing with sister-vessels under construction.

The following reports are enclosed herewith:-

Stem frame
Rudder frame & Rudder head
Old Rpt No 5743
" " " 5784.

Copy of completion & Interim certificates enclosed herewith.

PARTICULARS OF ELECTRIC WELDING (if employed)

W.T. FLATS ELECTRICALLY WELDED AT SHIPS SIDES.
(APPROVED ELECTRODES USED).

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

* 100 A1. "FOR TOWING SERVICES".

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

1st Bower	4-0-20 incl. cup & pun.	J.D.	6051.	28-2-41.
2nd "	4-0-14 " " "	J.D.	6053.	28-2-41.
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 or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. 168783. Signal Letters ☒ Extreme Breadth over Belting 28' 1 1/2" Over-all Length 111' 8" (Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 DK (STL).

Parts of Bottom of Vessel coated with cement or approved composition BUNKERS, BOILER SPACE, UNDER HOLD AFT, & UNDER ACCOMMODATION FORWARD COATED WITH BITUMINOUS SOLUTION. FORE & AFTER PEAK TANKS & BOILER FEED TANK CEMENT WASHED.

Particulars of composition (if fitted) and of approval F.W. TANK CEMENT WASHED. Bottom covered with cement see letter 30.7.42

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,	8' 4"	5
Double bottom, under Engines and Boilers,			After peak tank,	9' 2"	20
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 3278

Date 25th July 1941

Dates of Surveys held while building

1941. Sept. 11. 19. 24. 26. 30. Oct. 3. 6. 10. 14. 17. 20. 24. 28. 30. 31. Nov. 5. 6. 11. 14. 17. 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. 16. 17. April 20. 22. 27. 29. May 4. 7. 9. 11. 13. 14. 15. 18. 19. 21. 23. 28

Total No. of Visits 72