Rpt. 1

STEEL STEAMER ~~OR MOTORSHIP.~~ (TRAWLER)

Received at London Office 12 MAY 1942

ADMIRALTY VESSEL

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

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

Date of completion of report 13th April 1942. Port of Hull. No. 51601.

Survey held at Selby and Hull Date First Survey 17th June 1941 Last Survey 8th April 1942

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel Single Screw A/S Trawler "BONITO".

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	339·88	CLASS ✠100 A.1. TRAWLER "STEAM"	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)	L 146·5 (FEET)	Launched	7th. October 1941. Yard No. 1239.
Total	339·88	Breadth (greatest moulded)	B 25·0	Builders	Messrs Cochrane & Sons Ltd.
Gross Tonnage	387·21	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
Tonnage	127·42	1st Longitudinal Number (L × D)	= 2051	Managers (Where necessary to be entered in Reg. Book)	✓
REGISTERED DIMENSIONS. FEET		2nd Numeral L × (B + D)	= 5713	Residence	London
	147·8	Framing Depth "d," at middle of length. See Sec. 3 (1d)		Port of Registry	✓
	25·15	Proportions—Depth to Length—Uppermost continuous deck to top of keel	10·46	If Surveyed while building, afloat, or in dry dock	During construction
	13·25	Do. Long Bridge to top of keel	✓		
		Draught Moulded	✓		

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	21 ✓	see plan
„ „ from ⅜ length amidships to Collision bulkhead	16 ✓	
„ „ in peaks AFTER PEAK	21 ✓	
FORE PEAK	16 ✓	
FRAMING. Frame Amidships, ~~Angle,~~ ~~[or~~ [	5 3 ·40	✓
„ Extends up to	Upper & R.Q. decks	✓
Reversed Frame Amidships, Angle	3 3 ·38	✓
„ „ Extends ~~up to~~	across floors	✓
Depth of Framing Girder	5 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [		
„ „ Second 'tween Decks, Angle, [or [		
„ „ Third „ „ „ „		
„ from ½ len. for'd. to 15% len. from Stem		
„ in Peaks, ~~Angle or~~ [	5 3 ·40	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5¼	✓
State if Frame Joggled	No.	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	AS APPROVED	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	AS APPROVED	
SINGLE BOTTOM. Floors, Depth and thickness at mid-line in Holds	17 × ·37	✓
Height of Brackets at side above base line at toe of frame	✓	
Middle Line Keelson, on Floors, Angles, [~~or [~~	12"×4"×4"×36.47 lbs.	✓
„ „ „ Through Plate or Intercostal Plate	✓	
„ „ „ Foundation Plate on Floors	✓	
„ „ „ Flat Plate Keel Angles	✓	
Side Keelsons, No. each side	One	✓
„ „ thickness of Intercostal Plate	✓	
„ „ Angle	5 4 ·50	✓
DOUBLE BOTTOM. Solid Floors, thickness and spacing		
„ Are Frame and Reversed Frame joggled?		
Bracket Floors, breadth and thickness at middle line		
„ „ breadth and thickness at margin plate		

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
Bracket Floors, Frame		
„ „ Reversed Frame		
„ „ Vertical Struts		
Centre Girder, depth and thickness amidships		
„ „ top Angles		
„ „ bottom Angles		
Side Girders, No. each side and thickness		
Margin Plate depth (excl. of flange) and thickness		
„ „ Vertical Angle to Tank side Bracket abaft ¼ len. from stem		
„ „ Vertical Angle to Tank side Bracket from forward ¼ len. from stem to Panting Area		
„ „ Gussets, spacing and scantling abaft ¼ len. from stem		
„ „ Gussets, spacing and scantling from forward ¼ len. from stem to Panting Area		
Tank Side Brackets, height above base line at toe of Frame and thickness		
INNER BOTTOM PLATING. Breadth and thickness of Middle Line Strake		
Thickness of remainder in Holds		
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?		
BEAMS. Uppermost Continuous Deck, (UPPER DECK) amidships ~~in Wells, Angle, [or~~ [	5 3 ·50	✓
„ „ in way of Bridge, Angle, [or [	✓	
Spacing	42	✓
RAISED QUARTER ~~Second~~ Deck, amidships, ~~Angle, [or~~ [	5 3 ·40	✓
Spacing	20" 20½" 21½"	✓
Third Deck, amidships, Angle, [or [		
Spacing		
Fourth Deck, amidships, Angle, [or [		
Spacing		
Poop Deck, Angle, [or [		
Spacing		
Bridge Deck, Angle, [or [		
Spacing		
Forecastle Deck, Angle, ~~[or [~~ (WHALEBACK)	4 3 ·40	✓
Spacing	21" to 32"	✓

(MADE IN ENGLAND.)

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PILLARS AND DECKS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows		One		
„ in 'tween Decks, Size and Spacing	3" diar. as approved.			
„ „ „ „				
„ in Holds „ „ „		✓		
„ „ „ „		✓		
Centre Line Bulkhead. (CROSS BUNKER) Stiffeners and Spacing	5 5	3	·30	✓
	Sp. 40"–42"			✓
Plating, thickness of		·30		✓
STRINGERS AND DECKS.				
Uppermost Continuous Deck. Stringer Plate, breadth and thickness ~~in Wells~~	50	× ·31		✓
„ „ „ in way of ~~Bridge~~ R.Q. DECK	55	× ·31		✓
„ Angle ~~in Wells~~	3	3	·375	✓
Thickness of Plating abreast Deck openings in way of ~~Wells~~ BOILER CASING		·35		✓
Thickness of Plating abreast Deck openings in way of ~~Bridge~~ ENGINE CASING		·31		✓
Thickness of Plating within line of openings		·31		✓
If Sheathed, material and thickness (UPPER DK)	5 × 2½"	"BORNEO PINE.		
Second Deck. Stringer Plate, breadth and thickness in Wells		✓		

	Inches in Ship.		Any Departure from Approved Plans to be Noted.
Stringer Plate, breadth and thickness in way of Bridge			
Thickness of Plating abreast Deck openings in way of Wells			
Thickness of Plating abreast Deck openings in way of Bridge			
Thickness of Plating within line of openings			
If Sheathed, material and thickness			
Third Deck. Stringer Plate, breadth and thickness			
If Plated, state thickness			
Fourth Deck. Stringer Plate, breadth and thickness			
If Plated, state thickness			
Poop Deck. Stringer Plate, breadth and thickness			
Plating, Sheathing, material and thickness			
Bridge Deck. Stringer Plate, breadth and thickness			
Plating, Sheathing, material and thickness			
Forecastle Deck. (WHALEBACK) Stringer Plate, breadth and thickness	30	× ·30	✓
Plating, ~~Sheathing, material and thickness~~		·28	✓
„ UNDER WINDLASS		·31	✓

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL. Amidships. Breadth.	Amidships. Thickness.	Forward. Thickness.	Aft. Thickness.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? Yes. Single or Double.	Rivets. Diam.	Rivets. Spacing cr. to cr.	BUTTS. No. of Rows of Rivets.	Rivets. Diam.	Rivets. Spacing cr. to cr.	Strapped or Lapped.
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
GARBOARD "A" ~~Flat Plate Keel~~	32	·50	·42	·42		Double	3/4	5 pr. R. exc. F. Riv.	Double	3/4	2 5/8	Strapped
„ Dblg. (if any)	✓	✓				✓			✓			
Bottom Plating, No. of Strakes 2 "B"	51	·40	·375	·375		Double	3/4	5 pr. R. exc. F. Riv.	Double	3/4	2 5/8	Lapped
"C"	51	·43	·375	·375		"	"	"	"	"	"	"
Bilge Plating, No. of Strakes 1 "D"	53	·40	·375	·375		"	"	"	"	"	"	
Side Plating, No. of Strakes 1 "E"	51	·43	·375	·375		"	"	"	"	"	"	"
Upper Deck, Sheer-strake ~~in Wells~~	42	·625	·50	·50	36" × ·625	Double	3/4	5 pr. R. exc. F. Riv.	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. exc. F. Riv.	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—

Extending to Upper Deck (Sec. 3 c)	4
„ Deck next below	4
As per Rule	4

	Plating Thickness.	STIFFENERS. Vertical. Scantlings.	Vertical. Spacing.	Horizontal. Scantlings.	Horizontal. Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	✓				
„ „ Second „	✓	" " "			
„ „ ~~Third~~ ON FRAME 47	·40–·26	6 × 3 × ·30 [	24"	W.T. FLAT.	
„ „ ~~Holds~~ " " 67	·36–·26	6 × 3 × ·30 [4 × 3 × ·30 [	30"	W.T. FLAT.	
COLLISION „ (in Hold) " 84	·36–·26	6 × 3 × ·30 [4 × 3 × ·30 [	24	✓	
AFTER PEAK „ " " 5	·43–·28	4 × 3 × ·40 [	24"	✓	
„ " " 12	·26	3 × 3 × ·30 [	30		

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	Rolled	8" × 2"	Appleby-Frodingham Steel Co. Ld.	
STEM	"	8" × 2"		
STERN FRAME Propeller Post		7½" × 3¼"	T. S. FORSTER	
STERN FRAME Rudder „		15"–12" × 3¼"	& SONS LTD.	
Speed of Vessel		Not exceed 13 knots		12 on plan
RUDDER—Type	Ordinary stream line type			
„ A × D		116·86		
„ Diam. of head		6"		
„ Mainpiece at top pintle		6½" × 4½"		
„ „ heel		3½" × 4½"		
„ how constructed		Forged + built		
„ double ~~or single~~ plate		Double		
„ 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) Open hearth process.

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

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

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

EQUIPMENT No. ✓ 5713	LETTER ✓	ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight Required by Table 53. Cwts.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
41308	1st Bower ...	8	2	7 ✓	Stockless			10	15	0	0	✓ 8½ ✓	Byers Improved stockless	Not stated	Sunderland 17.10.41. W.V. NORMAN.
41396	2nd „ ...	8	2	7 ✓	"			10	15	0	0	✓ 8 ✓	" " "	" "	12.11.41 W.V. NORMAN.
	3rd „ ...														
	Collective weight	17	0	14								16½			
1606A	KEDGE ~~Stream~~ ...	4	0	0 ✓	-	3	3	6	7	2	0	4 ex stock ✓	Admiralty plan	Brown, Lenox & Co. Ltd.	Cardiff 12.3.42 A. Butler

CHAIN CABLES. ↑ 3½ ex stock Rule for 9	HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied. Length. Fathoms	Diam. Ins.	Test per Certificate. Statutory. Tons.	Breaking. Tons.	Weight of Chain Cable. Supplied. Cwts. qrs. lbs.	Per Rule. Cwts.	Length and Size per Table 53. Length. Fathoms	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied. Length. Fathoms	Cir. Ins.	Breaking Test of Steel Wire. Tons.	Length and Size per Table 53. Length. Fathoms	Cir. Ins.
								✓				Towline	30	6	MANILA FITTED 35F. S.W.R	EACH	WITH END
64968	8 @ ABT 15F ✓ 120	1 3/16	25 3/8	38	93-0-0		120 ✓	1 3/16	Stud Link	U. Bloomer & Sons Ltd.	Cradley Heath 31.3.42. S.C. Paul	Hawsers & Warps	120	6	MANILA	60	6
												"	120	4	COIR	60	5 ✓
KEDGE ~~Iron Stream Chain or~~ Steel Wire	150	Cir. 2½	SUPPLIED BY ADMIRALTY.				100	Cir. 2	F.S.W.R.	✓	✓	MOORING WIRE	150	2½	IN 3 LENGTHS OF 50F. EACH (SUPPLIED BY ADMIRALTY)		

Steering Gear, Type (Power ~~or hand~~) Donkin's steam Hydraulic type ✓ Telemotor from Bridge Alternative Means of Steering Tiller with blocks & tackle ✓

Steering Chains (Size and Test) NONE Windlass STEAM (J. S. Doig (Grimsby) Ltd. Boats 1-16'0" DINGHY.

Ceiling in Holds, thickness and material NONE Cargo Battens, thickness, material and spacing NONE.

Cargo Hatchways.—(Upper Deck) NONE Thickness of Hatches ✓

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).*

This vessel has been built in accordance with the approved plans and specification. The materials and workmanship are good. ✓

Fore & after peaks, fresh water & feed water tanks tested to rule requirements and found satisfactory. ✓

Bottom of vessel and watertight flats flooded, magazine & spirit room bulkheads hosetested and found in order. ✓

Shell plating and W.T. bulkheads hosetested and found satisfactory. ✓

Decks, casings & deckhouses, windlass, steering gear and arrangements tested and found in order. ✓

No freeboard has been assigned.

The amount of Entry Fee.............. £ ✓

FEE FOR CLASSIFICATION AND ~~Special Survey Fee~~ SUPERVISION OF SPECIFICATION £ 110 0 0

Travelling Expenses, ~~if any~~ .... £ 4 : 8 : 11

Fees applied for, 5 MAY 1942

Received by me, 2 MAY 1942 19

(*Special notations, where part of class, to be stated.*)

I am of opinion the Vessel should be Classed ✠100 A.1. "STEAM TRAWLER" "FOR GOVERNMENT SERVICE".

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

Signature J. McLeod Surveyor to Lloyd's Register of Shipping.

~~Certificate to be sent to~~ Hull Date of issue 5/6/42

Committee's Minute WED. 27 MAY 1942

Character assigned ✠ 100 A1 Steam Trawler For Government Service

Lloyd's arch, Od, E.S.D., ✠ Lmc 4.42 FD, CL.

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

0083 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 approved plans are being retained for reference in dealing with sister-vessels under construction.

This vessel is the first A/S trawler of improved "GULLFOSS" class.

The following reports are enclosed herewith:-

Stem frame.	Sld. Rpt. No 5097.
Rudder frame & rudder head.	" " " 5729.
Tiller.	" " " 5567.

An echo sounding device has been fitted.

PARTICULARS OF ELECTRIC WELDING (*if employed*)

Mess deck & cabin flat aft welded at ship's sides.

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

✠100 A.1. "STEAM TRAWLER".
"FOR GOVERNMENT SERVICE".

Particulars of Drop Test of Cast Steel Anchors, viz.:—Weight, Surveyor's Initials, Number of Certificate, Date of Test.					
	1st Bower	6-0-11 incl. pins.	J.D.	3703.	30-6-41.
	2nd "	6-0-4 " ".	J.D.	3709.	30-6-41.
	3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 81·33 ft., Bridge ✓ ft., Forecastle 24·83 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 (Circ. 1611) ✓ Over-all Length (Circ. 1703) 162'1".

No. and Material of Decks 1 DK (STL)

Parts of Bottom of Vessel coated with cement or approved composition E.&B. spaces, fore & after peaks, bunkers & chain locker coated with Bituminous Solution. Fresh water tank coated with "BITUROS".

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. 3266

Date 8th April 1941

Dates of Surveys held while building:
1941:- June 17. July 1. 4. 8. 11. 16. 22. 25. 29. August 5. 7. 8. 13. 28. Sept. 3. 5. 11. 16
Sept. 19. 24. 26. 30. Octr. 3. 6. 10. 14. 17. 20. 24. 28. 31. Nov. 5. 6. 11. 14. 18. 21. 26.
Nov. 28. Decr. 2. 5. 11. 15. 17. 18. 19. 26. 31. 1942:- Jany. 7. 13. 15. 28.
Feby. 18. 25. 26. 28. March 2. 5. 6. 7. 9. 10. 12. 14. 17. 19. 21. 23. 24. 26. 31.
April 1. 2. 4. 8

Total No. of Visits 75