

Rpt. 1.

DISCLOSED SECTION NO
STEEL STEAMER or MOTORSHIPDISCLOSED
SECTION.

London Office

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.

No. 439

Date of completion of report

Port of Hull.

No. 50743

Survey held at Selby and Hull.

Date First Survey 14th July 1939.

Last Survey 10th June 1940.

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

Steel single screw A/S M/s Trawler "BAY".

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

Full scantling

State Type of Erections Newcastle only.

TONNAGE under Tonnage Deck... 406.54

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

Total 406.54

Gross Tonnage 450.34

Register Tonnage 143.15

REGISTERED DIMENSIONS.
FEET.

Length 153.8

Breadth 27.65

Depth 14.1

CLASS *100A-TRAWLER State if with freeboard as condition of Class

"FOR GOVERNMENT SERVICE" as condition of Class

Length from fore part of stem to after part of stern on summer L.W.L. See Sec. 3 (1a) L 150'-0"

Breadth (greatest moulded) B 27'-6"

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 15'-0"

1st Longitudinal Number (L x D) = ✓

2nd Numeral L x (B + D) = ✓

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

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

Do. Long Bridge to top of keel ✓

Breadth Moulded ✓

Built at Selby.

Launched 12th Decr. 1939. Yard No. 1209.

Builders Messrs. Rothe & Sons Ltd

Owners The Admiralty

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

Residence London

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	22 ✓		Bracket Floors, Frame		
" " from $\frac{3}{4}$ length amidships to Collision bulkhead	22 ✓		" " Reversed Frame		
" " in peaks	22 ✓		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, $\frac{1}{4}$ to $\frac{1}{2}$	5 3 40 ✓		" " top Angles		
" " Extends up to	Upper deck	✓	" " 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 $\frac{1}{4}$ len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, $\frac{1}{4}$ or $\frac{1}{2}$			" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " Second 'tween Decks, Angle, $\frac{1}{4}$ or $\frac{1}{2}$			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " Third			" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " from $\frac{1}{4}$ len. for'd. to 15% len. from FORE PEAK	5 3 46 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle $\frac{1}{4}$ to $\frac{1}{2}$	5 3 30 ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	$\frac{3}{4}$ - $5\frac{1}{4}$ ✓		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?	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?		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	As approved ✓		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Way, Angle, $\frac{1}{4}$ to $\frac{1}{2}$	5 3 40 ✓	
Floors, Depth and thickness at mid-line in Holds	18" x 40 ✓		" " in way of Bridge, Angle, $\frac{1}{4}$ or $\frac{1}{2}$	✓	
Height of Brackets at side above base line at toe of frame	44 B.R. - 42 E.R. ✓		Spacing	22 ✓	
Middle Line Keelson, on Floors, Angles, $\frac{1}{4}$ to $\frac{1}{2}$	5 x 3 x 40 - 30 ✓		LOWER FORWARD		
" " Through Plate or Intercoastal Plate	42 - 38 ✓		Second Deck, amidships, Angle, $\frac{1}{4}$ to $\frac{1}{2}$	5 3 35 ✓	
" " Foundation Plate on Floors	✓		Spacing	22 ✓	
" " Flat Plate Keel Angles	3 x 3 x 44 - 40 ✓		LOWER AFT		
Side Keelsons, No. each side	One ✓		Third Deck, amidships, Angle, $\frac{1}{4}$ to $\frac{1}{2}$	5 3 35 ✓	
" " thickness of Intercoastal Plate	✓		Spacing	22 ✓	
" " Angles	5 3 50 ✓		Fourth Deck, amidships, Angle, $\frac{1}{4}$ or $\frac{1}{2}$		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing			Bridge Deck, Angle, $\frac{1}{4}$ or $\frac{1}{2}$		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, $\frac{1}{4}$ to $\frac{1}{2}$	5 3 32 ✓	
" " breadth and thickness at margin plate			Spacing	22 ✓	

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SHELL PLATING.

RIVET		St ch
Diam.	Inches.	
3/4	✓	6 F
3/4	✓	6 F
See list.		
Riveting		

WATERTIGHT BULKHEADS.

7 ✓
3 ✓
4 ✓

FORGINGS and CASTINGS.

Casting or Forging.	Scandlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
✓	✓		
Cast	As	Stewarts &	
Steel	Approved	Henry's Ltd	
	12 1/4 knots		
	Spade type		
	✓		
Cast	7" x 11 1/2"	Stewarts	
Steel	9 1/2" x 11 1/2"	& Henry's Ltd.	
	6" x 6"		
Cast steel frame	with side plates		
	Double - 32		
	None		

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
	BULK'D ON FRAME 19		40-30	$6 \times 3 \times 44$	30	
MIDSHIP BULK'D,	" " Upper tween decks		40-30	$32 \times 3 \times 38$	30	
"	" " Second "	52	42-26	$6 \times 3 \times 42$	27	
"	" " Third "	64	40-26	$6 \times 3 \times 40$	24 + 27	
"	" " Hold "	77	40-26	$5 \times 3 \times 30$	30 + 36	
COLLISION	" (in Hold)	5	40-26	$6 \times 3 \times 32$	24	
AFTER PEAK	" " "	72	40-26	$5 \times 3 \times 40$	27 + 30	

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open*
 PLATES:- *South Durham Steel & Iron Co. Ltd. Appley- Rotherham Steel Co. Ltd.*
 SECTIONS:- *Cassett Iron Co. Ltd. Dorman Long & Co. Ltd.*
 Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No												LETTER	ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.				
98885	1st Bower ...	14	2	10	Stockless			16	3	1	21	14	Admiralty pattern Stockless anchor.	A. Taylor & Sons (Brierley Hill) Ltd	Wetherston 17-1-40	J. A. Bell.
98884	2nd " ...	14	2	7	"			16	3	1	21	14	"	"	"	"
	3rd " ...															
	Collective weight.	29	0	17								28				
989A	Supernumerary	2	2	7	-	2	3	5	2	2	0	2½	Cast steel Admiralty plan anchor.	Brown Reuss Leeds.	Cardiff 18-1-40	A. Butler

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.	Fathoms.	Ins.	
60001	60	1 7/8	22 3/4	34 1/8	41	0	4	135	1 7/8	Stud Link	Henny, Reece	C. Heath 19-12-39 S.C. Paul	TOWLINE...	30	6	Manila fitted with 35 lbs. 3" S.W.R. each end	Admiralty pattern	moving rope	120	1 1/2		
60002	7 1/2	1 7/8	"	"	5	1	6		Woodhouse Bros.					C. Heath 15-5-40 S.C. Paul	HAWSERS (& WARPS)						150	2 1/2
61017	60 1/2	1 7/8	"	"	41	2	0														120	2 1/2
61018	7 1/2	1 7/8	"	"	5	1	5														120	1 1/2
KEDGE	100	2	Supplied by Admiralty				100	2						All supplied by Admiralty								
Iron Boream Chain or Steel Wire																						

Steering Gear, Type (Power) Wilson-Linie Steam Steering Gear Alternative Means of Steering Hand Gear (combined Steam & Hand - Dinkin Keokh)
Telemotor control - Dinkin Keokh.

Steering Chains (Size and Test) None. Windlass Steam - Type Metal Co. Ltd. Boats 2-16 ft. Dinghys.

Ceiling in Holds, thickness and material None. 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 ✓

of Shifting Beams } ✓
 for Fore and Afters }

Builder's Signature

FOR COCHRANE & SONS, LTD.

J. H. Cochrane.

DIRECTOR.

RAL 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 specifications.

The materials & workmanship are good.

The fore & after peak tanks, chain locker & trimming tanks, fresh water tank and reserve feed tanks have been tested in accordance with the rule requirements and found satisfactory. Bottom flooded in way of W.T. trunk space, magazine spirit room etc., coal bunkers, engine & boiler spaces, and engine room and found satisfactory.

Shell hoisted and found in order.

Decks, casings and deckhouses, windlass, steering gear & arrangements have been tested and found satisfactory.

The demand for Admiralty stores and the supervision of same have been carried out by us. ✓

amount of Entry Fee £ ✓ : Fees applied for, 25 JUN 1940
 for classification and supervision of Admiralty specification Special Survey Fee £ 140 : 0 : 0
 Received by me, 29/6/1940 1/7 B.H.
 Travelling Expenses, if any £ 8 : 1 : 9.

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

I am of opinion the Vessel should be Classed **+ 100 A - TRAWLER**
"FOR GOVERNMENT SERVICE"

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

Signature James A. B. Engledow
 Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Hull.

Date of issue 1/7/40
FRI. 28 JUN 1940

Committee's Minute

Character assigned

+ 100 A -

Steam Trawler

for Government Service

A.L.

W.B.

tab 6, 40

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Lloyd's Register Foundation

007234-007341-0054 1/2

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 dealing with sister-vessels at present under construction. Copies of these plans are in the London Office.

The following reports are enclosed herewith:-

Rudder frame & rudder head bearing Gls. N° 8945.
Propeller post. Gls. N° 8945
Hq. quadrant, quadrant, & tiller Hd. N° 721.
4 deck plates Sheffield N° 32951.

PARTICULARS OF ELECTRIC WELDING (if employed)

Lower deck plating electrically welded to ship's sides; butts of lower deck plating also electrically welded. Murex electrodes (Inners) employed in this work.

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

*100 A - 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	
	2nd "	
	3rd "	

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 26.8 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 27' 11" Over-all Length 164' 1 1/2' ✓

No. and Material of Decks 10K STL - PART W.S.

Parts of Bottom of Vessel coated with cement or approved composition brass & side bunkers & fresh water tanks.

Particulars of composition (if fitted) and of approval. Bitumastic solution in bunkers- Bitumastic solution in fresh water tanks

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. 3187.

Date 3rd July 1939.

Dates of Surveys held while building

1939:- July 4. 14. 25. 28. Aug. 2. 17. 22. 29. Sept. 4. 4. 8. 13. 19. 22. 26. 29. 29.
Oct. 6. 11. 16. 20. 24. 27. 31. Nov. 7. 8. 10. 13. 20. 24. 28. 30. Dec. 4. 8.
Dec. 11. 15. 18. 27. 1940. Jan. 2. 11. 16. 19. 24. 26. Feb. 2. 9. 14. 19. 23
Feb. 27. Mar. 4. 6. 8. 13. April. 5. 10. 16. 22. May. 3. 9. 11. 20. 23. 24. 27
May 28. 30. 30. June 3. 5. 6. 10.

Total No. of Visits 72.