

Rpt. 1.

STEEL STEAMER ~~OR MOTORSHIP~~ (TRAWLER)

Received at London Office AUG 1941

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

Survey held at

Beverley & Hull

Port of

Hull

No.

51295

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

Date First Survey

9.10.40

Last Survey

24th July

1941

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

Hull Scantling

State Type of Erections

Forecastle

TONNAGE under Tonnage Deck...

408.14

CLASS 100.A. STEAM TRAWLER FOR GOVERNMENT SERVICE

State if with freeboard as condition of Class

No.

Built at

Beverley

Launched

3rd March 1941

Yard No.

676

Builders

Messrs G. K. Helton & Gemmell Ltd.

Owners

The Admiralty

Managers

(Where necessary to be entered in Reg. Book)

Residence

London

Port of Registry

✓

X Surveyed while building, afloat, and in dry dock

During Construction.

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

Total

408.14

Gross Tonnage

452.20

Register Tonnage

143.98

REGISTERED DIMENSIONS. FEET.

Length

153.85

Breadth

27.20

Depth

14.00

Length from fore part of stem to after part of stern post 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

✓

Draught Moulded

✓

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 1/3 length amidships to Collision bulkhead	22"	✓	" " Reversed Frame		
" " in peaks	22"	✓	" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or F	5 x 3 x 40	✓	" " top Angles		
" " Extends up to	Upper Deck	✓	" " bottom Angles		
Reversed Frame Amidships, Angle	3 x 3 x 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		
Frames in Uppermost Continuous 'tween Decks, Angle, [or [" " Bracket about 1/4 len. from stem		
" " Second 'tween Decks, Angle, [or [" " Vertical Angle to Tank side		
" " Third " "			" " Bracket from forward 1/4 len. from stem to Panting Area		
" " from 1/2 len. for'd. to 15% len. from stem	5 x 3 x 46	✓	" " Gussets, spacing and scantling about 1/4 len. from stem		
" " in Peaks, Angle E AFTER PEAK	5 x 3 x 34	✓	" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" - 5/4"	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
State if Frame Joggled	No	✓	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?			Breadth and thickness of Middle Line Strake		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			Thickness of remainder in Holds		
SINGLE BOTTOM.			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?		
Floors, Depth and thickness at mid-line in Holds	18" x 40"	✓	BEAMS.		
Height of Brackets at side above base line at toe of frame	44 BR - 42 ER	✓	Uppermost Continuous Deck, amidships	5 x 3 x 40	✓
Middle Line Keelson, on Floors, Angles, E or F DOUBLE	5 x 3 x 40-30	✓	" " in way of Bridge, Angle, [or [✓
" " Through Plate or Intercoastal Plate	42 - 38	✓	Spacing	22"	✓
" " Foundation Plate on Floors	✓		LOWER FORWARD		
" " Flat Plate Keel Angles	3 x 3 x 44-40	✓	Second Deck, amidships, Angle, E or F	5 x 3 x 35	✓
DOUBLE BOTTOM.			Spacing	22	✓
Solid Floors, thickness and spacing			LOWER AFT.		
" " Are Frame and Reversed Frame joggled?			Third Deck, amidships, Angle, E or F	5 x 3 x 35	✓
Bracket Floors, breadth and thickness at middle line			Spacing	22	✓
" " breadth and thickness at margin plate			Fourth Deck, amidships, Angle, [or [
			Spacing		
			Poop Deck, Angle, [or [
			Spacing		
			Bridge Deck, Angle, [or [
			Spacing		
			Forecastle Deck, Angle, E or F	5 x 3 x 32	✓
			Spacing	22	✓

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..... <i>FORWARD</i>	<i>2 3/4 DIA - 44</i>	✓	Thickness of Plating abreast Deck openings in way of Wells		
" " " " "	✓		Thickness of Plating abreast Deck openings in way of Bridge		
<i>CROSS BUNKER.</i> ✓	<i>2 7/8 DIA - 44</i>	✓	Thickness of Plating within line of openings..		
" in Holds " "			If Sheathed, material and thickness		
" " " " "	✓		Third Deck.		
Centre Line Bulkhead. (<i>FRS 14 To 19</i>)	<i>6 x 3 x .34</i>	✓	Stringer Plate, breadth and thickness.....		
Stiffeners and Spacing... (<i>FRS 14 To 19</i>)	<i>22" SPACING</i>	✓	If Plated, state thickness.....		
Plating, thickness of	<i>.26</i>	✓	Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....		
Uppermost Continuous Deck.			If Plated, state thickness		
Stringer Plate, breadth and thickness in Wells	<i>68 1/2 x .32</i>	✓	Poop Deck.		
" " " " in way of Bridge	✓		Stringer Plate, breadth and thickness		
" Angle in Wells	<i>3 x 3 x .38</i>	✓	Plating, Sheathing, material and thickness ...		
Thickness of Plating abreast Deck openings in way of Wells	<i>.32</i>	✓	Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Bridge	✓		Stringer Plate, breadth and thickness.....		
Thickness of Plating within line of openings... (<i>FRS 13 To 33</i>)	<i>.28</i>	✓	Plating, Sheathing, material and thickness ...		
If Sheathed, material and thickness	<i>2 1/2"</i>	✓	Forecastle Deck.		
LOWER Second Deck. (<i>(PLATED ATHWARTSHIPS)</i>)	<i>.26</i>	✓	Stringer Plate, breadth and thickness.....	<i>.26</i>	✓
Stringer Plate, breadth and thickness in Wells...			Plating, Sheathing, material and thickness ...	<i>.26</i>	✓
			<i>UNDER WINDLASS</i>	<i>.40</i>	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.										
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.						
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.			
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or. to or.		Diam.	Spacing or. to or.				
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.				
FLAT PLATE KEEL	39 1/2	46	42	42		Double	3/4	6 PER SPACE EX-FRAME RIVETS	Two	3/4	2 5/8	Strapped			
„ DELG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓			
BOTTOM PLATING, No. of Strakes 2	66	40	40	40		Double	3/4	6 PER SPACE EX-FRAME RIVETS	Two	3/4	2 5/8	Lapped			
BILGE PLATING, No. of Strakes 1	66	40	40	40		"	"	"	"	"	"	"			
SIDE PLATING, No. of Strakes 1	66	40	40	36		"	"	"	"	"	"	"			
UPPER DECK, Sheer-strake in Wells	58	50	43	42		"	"	"	"	"	"	"			
UPPER DECK, Sheer-strake in Bridge ...															
STRAKE BELOW Sheer-strake in Wells															
STRAKE BELOW Sheer-strake in Bridge ...															
POOP SIDE PLATING															
BRIDGE SIDE PLATING ...															
FORECASTLE SIDE PLATING	75	28	Nº1 PLATE 50		✓										

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 7

„ Deck next below 3

As per Rule 4

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	Flat	Plate	Keel.	
STEM	Rolled	8x2" flat bar.	applied	Tridingham Steel Co. ✓
STERN FRAME {	Propeller Post	Cast	as	Stewart & Lloyd Ltd., ✓
	Rudder	Steel	approved	
Speed of Vessel	12-13	Knots	✓	
RUDDER—Type	spade	type	✓	
" A x D	✓			
" Diam. of head	Cast	7x11/2	} Stewart & Lloyd Ltd.,	
" Mainpiece at top pintle	Steel	9 1/2 x 1 1/2		
" " heel ...		6 x 6		
" how constructed	Cast	steel frame	with side plate	✓
" double or single plate coupling, vertical or horizontal		32.		
"		None.		

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
			BULKHEAD ON FR 19. 40-30 6x3x44F 30" ✓ ✓			
			MIDSHIP BULKH'D, Upper between decks 3x3x38F 30" ✓ ✓			
			FR 30. 40-30 3 1/2 x 3x38F 30" ✓ ✓			
	Second		FR 52. 42-26 6x3x42F 27" ✓ ✓			
	Third		FR 64. 40-26 6x3x40F 24 1/2 27" ✓ ✓			
	Holds		FR 77. 40-26 5x3x30F 30 1/2 36" ✓ ✓			
	(in Hold)		FR 5. 40-26 6x3x312F 24" ✓ ✓			
			FR 72. 40-26 5x3x40F 27 1/2 30" ✓ ✓			

STEEL.	<p>Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>Open hearth process</i></p> <p><i>Anglo :- Dorman Long & Co. Skinningrove I.S.C., Appleby-Frodingham I.S.C., Steel Co of Scotland.</i></p> <p><i>Plate :- Appleby-Frodingham, Cornett & Co Ltd, Dorman Long & Co Ltd,</i></p> <p>Has the Steel been tested as required by the Rules? <i>Yes.</i></p>
--------	---

EQUIPMENT No.				LETTER				ANCHORS.			
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
40912	1st Bower ...	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.
40913	2nd " ...	14	1	0	NONE.			15	16	3	14
	3rd " ...	14	0	21	"			15	16	3	14
	Collective weight.	28	1	21							
	KEDGE.										
	Stream.										
					SUPPLIED BY ADMIRALTY				2 1/2		NO CERTIFICATE AVAILABLE.

CHAIN CABLES.										820 HAWERS 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.		
					Supplied.		Per Rule.								Length.	Cir.		Length.	Cir.	
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
			SUPPLIED BY ADMIRALTY												TOWLINE...	30	6"	Manilla fitted with		
	135	1 1/8	NO CERTIFICATE AVAILABLE						135	1 1/8	STUD LINK	✓	✓		HAWSERS & WARPS	35F 3"	3"	SWR. each end.		
		1 3/8														150	2 1/2"	Admiralty Pattern		
		Cir.												"		120	2 1/2"	Mooring rope.		
	100	2"	SUPPLIED BY ADMIRALTY						100	2					"		120	1 1/2"	all supplied by Admiralty	
Low Stream Chain or Steel Wire															"	120	4"	Cable		

STEAM
Steering Gear, Type (Power or hand) *Donkin & Co Ltd.* Alternative Means of Steering *Hand by Donkin & Co. Ltd.*

Steering Chains (Size and Test) *None* Windlass *Steam by Clarke Chapman & Co. Ltd.* Boats *2-16ft Dinghys*

Ceiling in Holds, thickness and material *None* Cargo Battens, thickness, material and spacing *✓*

Hatchways.—(Upper Deck) *None* Thickness of Hatches *✓*

of Hatchways No. 1 (Fwd.) *✓* No. 2 *✓* No. 3 *✓* No. 4 *✓* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *✓*

Builder's Signature *COOK, WELTON & GEMMELL. LTD.*
Official Secretary & 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 & specification. The materials and workmanship are good. Fore and After peak tanks, chain locker & trimming tank, 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. Tank space, magazine & spirit room, coal bunkers, engine & boiler spaces and engineers store and found satisfactory, shell loaded and found in order. Decks, casings & deckhouses, windlass, steering gear and arrangements have been tested and found satisfactory.

The amount of Entry Fee £ : ✓ : Fees applied for, 14.8. 1941

Fee for classification and Special Survey Fee of £ 140: 0 : 0 Received by me, 19.

Travelling Expenses, if any £ — : 14 : 3.

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

State whether the Vessel has been built under Special Survey *Yes* Signature *W. Donald.* Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Hull.* Date of issue *4/2/41*

Committee's Minute *TUE. 19 AUG 1941*

Character assigned *+100A— Steam Trawler For Government Service + LMC 741*

The Surveyor is requested not to write on or before 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, copies of these plans are in the Nottingham Office.

Shull report No 51052. This vessel is a sister vessel to the same builders yard No 667.

PILLARS, No. 6

in 't

CA

Centre Lin
Stiffeners

Plating, t

STRINGERS
Uppermost
Stringer

Thickn

Thickn
in w

Thick

If Sh
LOWER
Seco
Strin

PARTICULARS OF ELECTRIC WELDING (if employed)

vessel end at ends. Lower deck plating electrically welded at sides of approved electrodes employed on this work.

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

* 100 A. - 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	7-3-2	J.T.	3664	14/1/41
2nd "	7-3-12	J.T.	3663	14/1/41
3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft. 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 (Circ. 1611) ☒

No. and Material of Decks 1 D^K (STEEL)

Parts of Bottom of Vessel coated with cement or approved composition ☒ Over-all Length (Circ. 1703) 164.5 ft

Particulars of composition (if fitted) and of approval

Bitum 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 3230

Date 16.9.40

Dates of Surveys held while building

1940. Oct. 9. 21. 25. 30. Nov. 4. 6. 14. 20. 25. 29. Dec. 6. 12. 24. 31. - Jan. 4. 8. 14. 23. Feb. 2. 17. 20. 25. 27. Mar. 11. 14. 26. 31. Apr. 17. 24. 29. May. 2. 6. 10. 13. 16. 17. 19. 21. 23. 27. June. 6. 12. July. 3. 7. 11. 21. 24

1941

Total No. of Visits 47

Has the Steel been tested as required by the rules.