

## STEEL STEAMER

(TRAWLER)

MOTORSHIP.

10 JUN 1941

Received at 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

Date of completion of report

12th May 1941

Port of

Hull

No.

51220

Survey held at

Beverley &amp; Hull

Date First Survey

5th July, 1940

Last Survey

30th April

1941

On the

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

Steel single screw "s. s. Trawler

ARRAN

State Type

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

Full Scantling

State Type of Erections

Forecastle

TONNAGE under Tonnage Deck

408.14

CLASS

100A-STEAM

State if with freeboard as condition of Class

No

For GOVERNMENT SERVICE

FEET.

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 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)

82

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

✓

Do. Long Bridge to top of keel

✓

Draught Moulded

✓

Built at

Beverley

Launched 16th November 1940

Yard No. 671

Builders

Messrs Cook, Welton &amp; 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.

## 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 $\frac{3}{8}$ length amidships to Collision bulkhead	22" ✓		" " Reversed Frame		
" " in peaks	22" ✓		" " Vertical Struts		
IDE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or F	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		
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]			Bracket abaft $\frac{1}{4}$ len. from stem		
" " Second 'tween Decks, Angle, [ or ]			" " Vertical Angle to Tank side		
" " Third " " COLLISION BHD			Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
" " from $\frac{1}{2}$ len. for'd. to $\frac{1}{2}$ len. from Stem	5 3 46 ✓		Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem		
" " in Peaks, Angle or [ or ] FORE PEAK AFTER	5 3 34 ✓		" " Gussets, spacing and scantling from forward $\frac{1}{4}$ 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?	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		
Are the scantlings and arrangements in way of the Bottom Forward 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?		
NGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	18 x 40 ✓		Uppermost Continuous Deck, amidships in Wells, Angle, E or F	5 3 40 ✓	
Height of Brackets at side above base line at toe of frame	44 BR - 42 ER ✓		" " in way of Bridge, Angle, [ or ]		
Middle Line Keelson, on Floors, Angles, E or F DOUBLE	5 x 3 x 40 - 30 ✓		Spacing	22" ✓	
" " Through Plate or Intercostal Plate	42 - 38 ✓		LOWER FORWARD		
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, E or F	5 3 35 ✓	
" " Flat Plate Keel Angles	3 x 3 x 44 - 40 ✓		Spacing	22" ✓	
Side Keelsons, No. each side	ONE		LOWER AFT		
" " thickness of Intercostal Plate			Third Deck, amidships, Angle, E or F	5 3 35 ✓	
" " Angles	5 3 50 ✓		Spacing	22" ✓	
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, [ or ]		
Solid Floors, thickness and spacing			Spacing		
" " Are Frame and Reversed Frame joggled?			Poop Deck, Angle, [ or ]		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Bridge Deck, Angle, [ or ]		
			Spacing		
			Forecastle Deck, Angle, E or F	5 3 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.
<b>PILLARS, No. of Rows.....</b>	<b>ONE</b>			Stringer Plate, breadth and thickness in way of Bridge .....			
<b>FORWARD</b>				Thickness of Plating abreast Deck openings in way of Wells .....			
" in 'tween Decks, Size and Spacing.....	<b>2 3/4 DIA - 44</b>			Thickness of Plating abreast Deck openings in way of Bridge .....			
" " " " " "				Thickness of Plating within line of openings...			
<b>CROSS BUNKER</b>				If Sheathed, material and thickness .....			
" in Hold " "	<b>2 7/8 DIA - 44</b>			<b>Third Deck.</b>			
" " " " " "				Stringer Plate, breadth and thickness.....			
<b>Centre Line Bulkhead.</b>				If Plated, state thickness.....			
Stiffeners and Spacing....	<b>(FRAMES 14 TO 19) 6 3 .34</b>			<b>Fourth Deck.</b>			
Plating, thickness of .....	<b>@ 22" SPACING .26</b>			Stringer Plate, breadth and thickness.....			
<b>STRINGERS AND DECKS.</b>				If Plated, state thickness.....			
<b>Uppermost Continuous Deck.</b>				<b>Poop Deck.</b>			
Stringer Plate, breadth and thickness in Wells	<b>68 1/2" x .32</b>			Stringer Plate, breadth and thickness .....			
" " " " in way of Bridge				Plating, Sheathing, material and thickness ...			
" Angle in Wells .....	<b>3 3 .38</b>			<b>Bridge Deck.</b>			
Thickness of Plating abreast Deck openings in way of Wells .....	<b>.32</b>			Stringer Plate, breadth and thickness.....			
Thickness of Plating abreast Deck openings in way of Bridge .....				Plating, Sheathing, material and thickness ...			
Thickness of Plating within line of openings...	<b>.28</b>			<b>Forecastle Deck.</b>			
If Sheathed, material and thickness .....	<b>FRS (13 TO 33) BORNEO W.W. 2 1/2"</b>			Stringer Plate, breadth and thickness.....	<b>.26</b>		
<b>LOWER</b>				Plating, <b>UNDER WINDLASS</b> Sheathing, material and thickness ...	<b>.26</b>		
<b>Second Deck. (PLATED ATHWARTSHIPS)</b>					<b>.40</b>		
Stringer Plate, breadth and thickness in Wells...	<b>.26</b>						

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.	No. of Rows of Rivets.	Rivets.		STRAPPED OR LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.
	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	
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes .....	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 .....	66	✓ 40	✓ 40	✓ 40		„	„	„	„	„	„	„	
SIDE PLATING, No. of Strakes .....	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 ...													
POOF SIDE PLATING .....													
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING	75	✓ 28	Nº1 PLATE 50										

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	
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.
<b>KEEL, Bar</b> .....		Flat plate Keel.		
<b>STEM</b> .....		Roll'd 8x2 flat bar.	Appleby, Birmingham	Steel 6' Std.
<b>STERN FRAME</b> {	Propeller Post .....	Cast as	Stewart &	
	Rudder .....	Steel approved	Lloyds Ltd.	
<b>Speed of Vessel</b> .....		12-13 Knots		
<b>RUDDER—Type</b> .....		spade type		
" A x D .....				
" Diam. of head .....		Cast 7" 11 1/2"	Stewart &	
" Mainpiece at top .....		Steel 9 1/2" 11 1/2"	Lloyds Ltd.	
" " heel ...		6 x 6		
" how constructed .....		Cast Steel frame with side plates		
" double or single plate coupling, vertical or horizontal .....		32		
		None		

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, Dorman Long, Consett Iron Co. Ltd.*  
 SECTIONS:- " " " " " " *Steel Company of Scotland.*  
 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 are being retained for reference in dealing with sister vessels under construction. Copies of these plans are in the Nottingham office.

This vessel is a sister vessel to the same builders Yard No. 662 Hull Report No. 51052.

PARTICULARS OF ELECTRIC WELDING (if employed)

Lower deck plating electrically welded at sides of vessel, & at ends.  
Approved electrodes employed on this work.

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

\* 100A - 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  
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 (Circ. 1611) ✓ Over-all Length 164.5 ft ✓  
No. and Material of Decks 1 DK (STEEL) (Circ. 1703)

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

Particulars of composition (if fitted) and of approval 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. 3225

Date 16th Sept. 1940.

Dates of Surveys held while building

1940. July. 5. 17. 22. Aug. 1. 5. 16. 19. 26. Sept. 5. 13. Oct. 1. 7. 9. 21. 25. 28. 30. Nov. 4. 6. 14. 20. 25. 29. Dec. 6. 12. 24. 31. 1941. Jan. 8. 14. 23. Feb. 19. 21. Mar. 3. 7. 15. 18. 24. 27. Apr. 1. 15. 16. 21. 24. 28. 30.

Total No. of Visits 46