

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

Date of completion of report

25TH JUNE 1942. Port of HULL

No. 3 1666

Survey held at Beverly & Hull

Date First Survey

3rd April, 1941.

Last Survey 18th JUNE.

1942

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

Steel Single Screw A/S Trawlers "INKPEN"

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

Full Scantling

State Type of Erections **AND WHALEBACK**

TONNAGE under } 440.76
Tonnage Deck... }

CLASS **100A1** STEAM TRAWLER State if with freeboard } No
"FOR GOVERNMENT SERVICE" as condition of Class }

Built at Beverly
and Q. 1

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

Length from fore part of stem to after part of stern } L 165
post on summer L.W.L. See Sec. 3 (1a) }

Launched 22nd December 1941 Yard No. 689

Total 440.76

Breadth (*greatest moulded*) **B 28**

Builders Messrs Cook, Welter, & Gemmell Ltd

Gross Tonnage 510.65

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**

Owners The Admiralty

Register Tonnage 160.22

1st Longitudinal Number (L x D).....= 247

Managers. ✓

REGISTERED DIMENSIONS.
FEET.

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

Residence London

Length 164.4

Proportions—Depth to Length—Uppermost continuous deck to top of keel 11

Port of Registry.....✓

Breadth 28.15

Do. Long Bridge to top of keel } ✓

If surveyed while building, afloat, or in dry dock

Depth 14.1'

Draught Moulded

Building and Afloat.

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		18" To 21"		Bracket Floors, Frame			
"	" from $\frac{3}{8}$ length amidships to } Collision bulkhead.....}	STEER TO 1FR 21" FOR 16"		"	" Reversed Frame		
"	" in peaks.....	AFT 1FR TO YFR 19 1/2"		"	" Vertical Struts		
SIDE FRAMING.				Centre Girder, depth and thickness amidships			
Frame Amidships, Angle, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/>	IN E & B. SPACE <input checked="" type="checkbox"/>	5" x 3" x 38 5" x 3" x 42		"	" top Angles		
"	" Extends up to	DECK		"	" bottom Angles		
Reversed Frame Amidships, Angle		3 x 3 x 38		Side Girders, No. each side and thickness			
"	" Extends up to	ACROSS FLOORS WHERE NO CONCRETE		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, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/>				"	" Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
"	" Second 'tween Decks, Angle, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/>			"	" 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 $\frac{1}{2}$ len. for'd. to 15% len. from Stem			Tank Side Brackets, height above base line } at toe of Frame and thickness }			
"	" in Peaks, Angle or <input checked="" type="checkbox"/>	5 x 3 x 38		INNER BOTTOM PLATING.			
Diameter and Spacing of Rivets through } Frame and Shell Plating amid- ships		3/4" — 5/4"		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?		LOWER DECK STRINGER AND BEAMS, BILGE KEELSONS, CLOSER FRAME SPACING AND RIVETING		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?				BEAMS.			
SINGLE BOTTOM.				Uppermost Continuous Deck, amidships } in Wells, Angle, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/>		5 x 3 x 40 QA.	
Floors, Depth and thickness at mid-line in } Holds		18" x .38" .42" IN E & B SPACE		"	" in way of Bridge, Angle, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/>		
Height of Brackets at side above } base line at toe of frame		NONE		Spacing		EVERY FRAME	
Middle Line Keelson, on Floors, Angle, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/>		12" x 4" x 4" x 36 LB		LOWER AFT			
"	" Through Plate or } Intercostal Plate ... }			Second Deck, amidships, Angle, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/>		5 x 3 x 32 QA.	
"	" Foundation Plate on } Floors			Spacing		EVERY FRAME	
"	" Flat Plate Keel Angles			LOWER FORWARD FR 53 TO 59 6 x 3 x 35 QA			
Side Keelsons, No. each side		ONE L		Third Deck, amidships, Angle, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/> FR 59 TO 82 5 x 3 x 32 QA			
"	" thickness of Intercostal Plate...			Spacing		EVERY FRAME	
"	" Angles			STORE FLAT FORWARD			
DOUBLE BOTTOM.				Fourth Deck, amidships, Angle, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/>		5 x 3 x 30 QA.	
Solid Floors, thickness and spacing		6 x 4 x 40		Spacing		ALTERNATE FRAMES	
"	" Are Frame and Reversed Frame } joggled?			Poop Deck, Angle, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/>			
Bracket Floors, breadth and thickness at } middle line				Spacing			
"	" breadth and thickness at } margin plate			Bridge Deck, Angle, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/>			
				Spacing			
				WHALE BACK			
				Forecastle Deck, Angle, <input checked="" type="checkbox"/> or <input checked="" type="checkbox"/>		5 x 3 x 40 QA.	
				Spacing		30"	

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.....	TWO		Stringer Plate, breadth and thickness in way of Bridge	/	
" " " " " FORWARD			Thickness of Plating abreast Deck openings) in way of Wells	/	
" " " " " in 'tween Decks, Size and Spacing.....	3" DIA - AS APP'D		Thickness of Plating abreast Deck openings) in way of Bridge	/	
" " " " " " "			Thickness of Plating within line of openings...	/	
" " " " " STORE ROOM FOR'D	3" DIA - AS APP'D		If Sheathed, material and thickness	/	
F & A. Centre line Bulkhead. IN CROSS BUNKER			LOWER TIE DECK. PLATED		
Stiffeners and Spacing... FRS. 40-53	7 x 3 x 405 SPACED 41"		Stringer Plate, breadth and thickness... ALTHOUGH SHIPS	.26	/
Plating, thickness of26		If Plated, state thickness.....	.26	/
STRINGERS AND DECKS.			LOWER AFT		
Uppermost Continuous Deck.			Fourth Deck.		
Stringer Plate, breadth and thickness in Wells	60" x 32" - 31"	/	Stringer Plate, breadth and thickness.....	.30	/
" " " " " in way of Bridge	✓		If Plated, state thickness30	/
" Angle in Wells	3 1/2 x 3 x .38	/	STORE FLAT FOR'D		
Thickness of Plating abreast Deck openings) in way of Well ... CASINGS38	/	Deep Deck		
Thickness of Plating abreast Deck openings) in way of Bridge	✓		Stringer Plate, breadth and thickness	15" x 30"	/
Thickness of Plating within line of openings...	.28	/	TIE		
If Sheathed, material and thickness	FRS 17618 5 x 2 1/2 BORNEO AND 567882 WHITE PINE	/	Plating, Sheathing, material and thickness ...	2 1/2" W.W	/
Second Deck.			Bridge Deck.		
Stringer Plate, breadth and thickness in Wells...	/		Stringer Plate, breadth and thickness.....	/	
			Plating, Sheathing, material and thickness ...	/	
			WHALE BACK FORECASTLE DECK.		
			Stringer Plate, breadth and thickness.....	.30	/
			Plating, Sheathing, material and thickness30	/

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 4

„ Deck next below ✓

As per Rule 3

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	ROLLED BAR	8x2	APPLEBY FRODINGHAM	
STEM	"	" 8x2	STEELE CO. LTD.	
STERN FRAME {	FORGED SCRAP STEEL	8x3 3/4	T.S. FORSIER & SONS	
{	"	8x3 3/4	SUNDERLAND	
Speed of Vessel	12 KNOTS			
RUDDER—Type	FORGED FRAME	ORDINARY DOUBLE PLATE		
" A x D	50-28 x 2-85	= 143-3		
" Diam. of head	FORGED STEEL 1" SCRAP	6 2/3 DIA	T.S. FORSIER & SONS	
" Mainpiece at top pintle ..	"	7" x 4"	SUNDERLAND	
" " heel ...	"	5" x 3 1/4"		
" how constructed	FORGED FRAME	AND SIDE PLATES		
" double or single plate ..		32		
" coupling, vertical or ..				
" horizontal		HORIZONTAL		

		Plating Thickness.	STIFFENERS.				
			VERTICAL.		HORIZONTAL.		
			Scantlings.	Spacing.	Scantlings.	Spacing.	
			FR 53				
MIDSHIP	BULKHEAD, Upper portion deck	.30	6x3x34BA	24"	✓	✓	
"	" Second	.30	6x3x34BA	30"	✓	✓	
"	" Third	"					
"	" Holds						
COLLISION	" (in Hold)	FR.100	30-38	4x3x30QA	24"	✓	✓
		FR.Y	.38	5x3x36QA	24"	KEEL TO W.T. FLAT.	
AFTER PEAK	"	FR.18.	.26	3x2x3 1/4QA	30"	W.T. FLAT TO MAIN D.K.	
		FR.1	.30	3x3x40QA	26-24"	TO LOWER D.K.	

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 LTD, CONSETT IRON CO LTD, DORMAN LONG CO LTD.**

ANGLES:- **APPLEBY FRODINGHAM STEEL CO LTD, CONSETT IRON CO LTD, DORMAN LONG CO LTD, SKINNER & CO STEEL CO LTD.**

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.)

Sister vessels are "Birdlieh", "Butes", "Duncton", "Portadown", "Yes Yer", "Bredon", & "Dunkery".
"Birdlieh" same builders yard No 682, Hall Report 51492.
An Echo Sounding Device has been fitted.
Three forging reports are forwarded herewith.

PARTICULARS OF ELECTRIC WELDING (if employed)

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

+ 100 A.I. STEAM TRAWLER "FOR GOVERNMENT SERVICE"

		Bufts.	Qrs.	Lbs.	Surveyor	Test No.	Date of Test	Length No.
Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	6	0	4	R.H.T.G.	41693	21/8/41	4163
	2nd "	6	0	5	K.L.	41680	27/11/41	4425
	3rd "							

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 89.41 ft., Bridge ☒ ft., WHALEBACK Forecastle 28.40 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 ☒ Over-all Length 192.17' (Circ. 1703)

No. and Material of Decks 1 DEK STEEL WITH R.Q. DECK

Parts of Bottom of Vessel coated with cement or approved composition Peaks & E.B. Spaces & Bunkers concrete to level of floor tops

Particulars of composition (if fitted) and of approval Bituros 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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fore peak tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After peak tank,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft, RESERVE FEED TANK (AMIDSHIPS)	4.5	24.3
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward, FRESH WATER TANK (")	3.5	18.7
Double bottom, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Other tanks, if fitted, FRESH WATER TANKS AFT	11.08	
Total length (if continuous) and Capacity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		12.66	11.75 (Tons)

Order for Special Survey No. 3263.

Date 20th March, 1941.

Dates of Surveys held while building

1941. Apr. 3. May 17. Aug. 12-20. Sept. 1. 3. 6. 12. 18. 19. 20. 22. 24. 26. Oct. 1. 2. 4. 8. 13. 14. 18.
21. 24. 27. 29. Nov. 1. 4. 5. 7. 11. 14. 18. 20. 22. 25. 27. 29. Dec. 1. 4. 8. 11. 12. 16. 19. 20. 22. 31.
1942. Jan. 1. 2. 7. 9. 12. 14. 16. 19. 22. 23. 30. Feb. 2. 5. 6. 12. 16. 17. 18. 20. 24. 27.
Mar. 2. 10. 13. 14. 15. 18. 19. 20. 21. 22. 26. 27. 28. 29. 30. June 1. 3. 4. 5. 8. 10. 11. 17. 18.

Total No. of Visits 92.