

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

Port of Hull

Date First Survey 28th January 1944

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

State Type of Erections *Long Forecastle*

CLASS ✠ 100 A.1.

State if with freeboard } No  
as condition of Class }

Built at Selly

"FOR TOWING SERVICES"

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

FEET

Launched 22nd June 1944. Yard No. 1287

Builders Cochrane & 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

Total 561.77

ss Tonnage 762.24

Register, Tonnage 77-82

**REGISTERED DIMENSIONS.**

FEET

164-3

34-6

15.9.

**Breadth (greatest moulded)** .....

**Depth,** at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) .....

**1st Longitudinal Number (L × D).....=**

**2nd Numeral**  $L \times (B + D)$  ..... =

**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.
<b>FRAMES, Spacing amidships</b> .....	22 ✓			
"    "    from $\frac{1}{8}$ length amidships to Collision bulkhead.....	18 ✓			
AFTER PEAK	22 ✓			
"    "    in peaks.....	18 ✓			
FORE PEAK				
<b>SIDE FRAMING.</b>				
Frame Amidships, Angle, <b>E</b> or <b>C</b> IN. BLR. RM.	5 1/2 3 46 ✓			
"    "    " ELSEWHERE	5 1/2 3 36 ✓			
"    "    Extends up to.....	UPPER DECK ✓			
Reversed Frame Amidships, Angle DBL IN BLR. RM.	3 3 46 ✓			
"    "    SINGLE " FORWARD	3 3 36 ✓			
"    "    Extends up to.....	ACROSS FLOORS ✓			
Depth of Framing Girder.....	5 1/2 ✓			
Frames in Uppermost Continuous 'tween Decks, Angle, <b>C</b> or <b>C</b> .....				
"    "    Second 'tween Decks, Angle, <b>C</b> or <b>C</b> .....				
"    "    Third.....				
"    "    from $\frac{1}{8}$ len. for'd. to 15% len. from Stem.....				
"    "    in Peaks, Angle or <b>C</b> .....	5 1/2 3 36 ✓			
Diameter and Spacing of Rivets through Frame and Shell Plating amidships.....	3/4" - 5/4" ✓			
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?.....				
<b>DOUBLE BOTTOM.</b>				
Floors, Depth and thickness at mid-line in Hold.....	23" x 36 ✓			
"    "    Height of Brackets at side above base line at toe of frame.....	50 E. RM. - 46 B. RM. ✓			
"    "    NONE				
Middle Line Keelson, on Floors, Angle, <b>C</b> or <b>E</b> .....	12 x 4 x 4 x 36-43 lb ✓			
"    "    Through Plate or Intercoastal Plate.....				
"    "    Foundation Plate on Floors.....				
"    "    Flat Plate Keel Angles.....				
Side Keelsons, No. each side.....	TWO ✓			
"    "    thickness of Intercoastal Plate.....	✓			
"    "    Angle IN BOILER ROOM ✓	5 4 60 ✓			
"    "    BILGE KEELSON - FRAMES 62-78	5 4 50 ✓			
<b>DOUBLE BOTTOM. INTERCOASTAL PLATE</b> ✓	375			
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.....				
<b>Bracket Floors, Frame</b> .....				
"    "    Reversed Frame.....				
"    "    Vertical Struts.....				
<b>Centre Girder, depth and thickness amidships</b> .....				
"    "    top Angles.....				
"    "    bottom Angles.....				
<b>Side Girders, No. each side and thickness</b> .....				
<b>Margin Plate</b> depth (excl. of flange) and thickness.....				
"    "    Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem.....				
"    "    Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area.....				
"    "    Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....				
"    "    Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area.....				
<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b> .....				
<b>INNER BOTTOM PLATING.</b>				
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?.....	1/8" ✓			
<b>BEAMS.</b>				
Uppermost Continuous Deck, amidships in Wells, Angle, <b>E</b> or <b>C</b> .....	5 1/2 3 32 ✓			
"    "    in way of Bridge, Angle, <b>HOLD E or C</b> .....	6 3 35 ✓			
"    "    Spacing.....	22 ✓			
W.T. FLAT (FRAMES 62-78) ✓	5 6 3 34 ✓	5 1/2 x 3 x 34		
Second Deck, amidships, Angle, <b>E</b> or <b>E</b> .....	5 3 30 ✓			
"    "    " 79-84. ✓	18" ✓			
"    "    Spacing.....				
Third Deck, amidships, Angle, <b>C</b> or <b>C</b> .....				
"    "    Spacing.....				
Fourth Deck, amidships, Angle, <b>C</b> or <b>C</b> .....				
"    "    Spacing.....				
Poop Deck, Angle, <b>C</b> or <b>C</b> .....				
"    "    Spacing.....				
Bridge Deck, Angle, <b>C</b> or <b>C</b> .....				
"    "    Spacing.....				
Forecastle Deck, Angle, <b>E</b> or <b>C</b> .....	5 1/2 3 30 ✓			
"    "    Spacing.....	36" ✓			



## 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 .....	ONE	✓		Stringer Plate, breadth and thickness in way of Bridge .....	✓		
„ in 'tween Decks, <sup>FORWARD</sup> Size and Spacing .....	2 3/4" DIAR. IN CONJUNCTION WITH C.L BULKH.			Thickness of Plating abreast Deck openings <del>in way of Wells</del> .....	26	✓	
„ „ „ „ „	5 1/2" SP.	✓		Thickness of Plating abreast Deck openings in way of Bridge.....	✓		
„ in Holds „ „ „	✓			Thickness of Plating within line of openings...	26	✓	
„ „ „ „ „	✓			If Sheathed, material and thickness.....	5" x 2 1/2" DOUGLAS FIR		✓
Centre Line Bulkhead. (BETWEEN FRs. 62-78) ✓	5 x 3 x 30 - 18"	✓		Third Deck.			
Stiffeners and Spacing .....				Stringer Plate, breadth and thickness.....			
Plating, thickness of .....	30	✓		If Plated, state thickness .....			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells	47 x 36	✓		If Plated, state thickness.....			
„ „ „ „ in way of Bridge	✓			Poop Deck.			
„ Angle in Wells .....	3 3 40	✓		Stringer Plate, breadth and thickness.....			
Thickness of Plating abreast Deck openings } in way of Wells .....	30	✓		Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings } in way of Bridge.....	✓			Bridge Deck.			
Thickness of Plating within line of openings...	30	✓		Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness.....	✓			Plating, Sheathing, material and thickness ...			
30 AT Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells	55 x 26	✓		Stringer Plate, breadth and thickness.....	45 x 26	✓	
				Plating, Sheathing, material and thickness...	26 - 5" x 2 1/2" D. FIR		✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	SINGLE OR DOUBLE.	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.			Inches.	Inches.		Inches.	Inches.		
GARBOARD ✓ Flat Plate Keel.....	40 ✓	42 ✓	42 ✓	42 ✓		DOUBLE ✓	3/4 ✓	6 R.R. ✓	3-2 ✓	3/4 ✓	2 5/8 ✓	STRAPPED ✓	
„ Dblg. (if any) ..	✓	✓				✓			✓				
Bottom Plating, No. of Strakes .. 2 .....	65 1/2 ✓	375 ✓	375 ✓	375 ✓		DOUBLE ✓	3/4 ✓	6 R.R. ✓	2 ✓	3/4 ✓	2 5/8 ✓	LAPPED ✓	
Bilge Plating, No. of Strakes .. 2 .....	63 1/2 ✓	375 ✓	375 ✓	375 ✓		„	„	„	„	„	„	„	
Side Plating, No. of Strakes .. 2 .....	65 1/2 ✓	375 ✓	375 ✓	375 ✓		„	„	„	„	„	„	„	
Upper Deck, Sheer- strake in Wells.....	45 ✓	50 ✓	50 ✓	375 ✓		DOUBLE ✓	3/4 ✓	6 R.R. ✓	3-2 ✓	3/4 ✓	2 5/8 ✓	STRAPPED ✓	
Upper Deck, Sheer- strake in Bridge ...	✓	✓				✓		✓	✓				
Strake below Sheer- strake in Wells.....	55 ✓	40 ✓	40 ✓	375 ✓		DOUBLE ✓	3/4 ✓	6 R.R. ✓	2 ✓	3/4 ✓	2 5/8 ✓	LAPPED ✓	
Strake below Sheer- strake in Bridge ...	✓	✓											
Poop Side Plating.....	✓	✓						x Excl. for rivets					
Bridge Side Plating.....	✓	✓											
TOP STRAKE } 50 ✓	30 ✓					DOUBLE ✓	3/4 ✓	6 R.R. ✓	2 ✓	3/4 ✓	2 5/8 ✓	LAPPED ✓	
BOTTOM } 39 ✓	30 ✓					„	„		2 ✓	„	„	„	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	<u>W.T. BHD'S</u>	<u>O.T. BHD'S</u>
Extending to Upper Deck (Sec. 3 c).....	2	(3) 2
„ 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	MS.	✓	8" x 2"	✓
STEM	"	✓	8" x 2"	✓
STERN FRAME	{ Propeller Post		8" x 4"	T.S. FORSTER ✓
	{ Rudder		6" x 4"	2 SONS LTD. ✓
Speed of Vessel		14 KNOTS	✓	
RUDDER—Type		DOUBLE PLATE STREAM LINE TYPE	✓	
" A x D		269.4	✓	
" Diam. of head		9"	✓	
" Mainpiece at top pintle		9" x 7"	✓	
" " heel		5" x 7"	✓	
" how constructed		FORGED & BUILT	✓	
" double or single plate		DOUBLE	✓	
" coupling, vertical or		HORIZONTAL	✓	
" horizontal				

## STIFFENERS.

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
* open tunnel on centre tee plan						
MIDSHIP	BULKH'D, Upper 'tween decks	✓		✓		
"	" Second FRAME " 30	35-30	7x3x33 5/2x3x35	21" 8 24"	12x38PT 5/2x3x35	✓
"	" Third " " 39	35-30	7x3x33 5/2x3x32	21" 8 24"	12x38PT 5/2x3x35	✓
"	" Holds " 62	34-30	6x3x36 5/2x3x35	24"	W.T. PLAT	✓
COLLISION	" (in Hold) " 85	34-30	7x3x34 5x3x30	24"	W.T. PLAT	✓
AFTER PEAK	" " " 7	50-30	4x3x40	24"		

# 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: - APPLEY- FRODINGHAM STEEL CO. LD. DORMAN LONG & CO. LD. SKINNINGROVE IRON CO. LD.

Has the Steel been tested as required by the Rules?







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.

The following reports are enclosed herewith:-

Hull frame Sld. Rpt. No 925  
Rudder frame & rudder head. " " " 1052.

An echo sounding device has been fitted.

This vessel is a sister ship to "ENTICER" - Hull Report No 52519.

This vessel was built for the Admiralty M/S branch and handed over to the Admiralty at the final inspection. She sails under the White Ensign.

#### PARTICULARS OF ELECTRIC WELDING (if employed)

Watertight plates electrically welded at ship's sides.  
Approved electrodes used.

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

\* 100 A1.

"FOR TOWING SERVICES".

Particulars of Drop Test of  
Cast Steel Anchors, viz.:—  
Weight, Surveyor's Initials,  
Number of Certificate, Date  
of Test.

1st Bower	10-1-4 incl. pins.	A.E.G.	9765.	27-1-44
2nd "	10-1-8 " "	A.E.G.	9714.	20-1-44
3rd "				

#### PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ 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 ☒ 36.04 ft. Over-all Length ☒ 174.33 ft.

No. and Material of Decks 1 DU (SL)

Parts of Bottom of Vessel coated with cement or approved composition Bitumastic clear of oil fuel tanks

Particulars of composition (if fitted) and of approval Approved by Admiralty.

#### 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,	11.83	25 1/2
Double bottom, under Engines and Boilers,			After peak tank,	12.83	8 1/2
Double bottom, if under Engines only,			Deep tank, aft, FRESH WATER TANK	11.65	46 1/2
Double bottom, if under Boilers only,			Deep tank, forward, FEED WATER TANK	3.0	12
Double bottom, forward,			Other tanks, if fitted, BALLAST TANKS AFT (2)	5.5	25
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 3422

Date 14th October 1943.

Dates of Surveys  
held while building

1944:- Jan. 28. 31. 4th 11. 14. 16. 18. 21. 25. March 3. 15. 16. 20. 23. 29. April 3. 6. 14. 20. 24. 26.  
May. 1. 4. 12. 15. 18. 22. 25. 31. June 7. 13. 16. 20. 22. 23. 26. 29. July 3. 5. 10. 11. 18. 20.  
Aug. 14. 16. 18. 23. 25. 28. 30. Sept. 12. 23. 29. Oct. 2. 4. 5. 7. 10. 13. 17. 18. 26. 28

Total No. of Visits 62