

(TRAWLER)

STEEL STEAMER OR MOTORSHIP.

-1 SEP 1944

Rpt. 1  
RECEIVED

5 SEP 1944

IN D.O.

Date of completion of report

22nd August 1944

Port of Hull

No. 52557

Survey held at

Selly and Hull

Date First Survey 16th November 1943

Last Survey 17th August 1944

On the

Steel single screw trawler "HERMETRAY" (DAN LAYER) JOB NO. 2692

State Type

Full scantling

State Type of Erections

Yerecastle

TONNAGE under Tonnage Deck

406.54

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

406.54

Tonnage

451.90

ster Tonnage

143.80

REGISTERED DIMENSIONS.

FEET

th

153.8

th

27.65

th

14.1

CLASS 100A-STEAM TRAWLER

"FOR GOVERNMENT SERVICE"

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

150'-0"

Breadth (greatest moulded)

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)

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

Built at Selly

Launched 11th April 1944

Yard No. 1284

Builders Lochcarse 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

While 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	22	✓	Bracket Floors, Frame	
" " from 1/2 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 3 40	✓	" " top Angles	
" " Extends up to	UPPER DECK	✓	" " bottom Angles	
Reversed Frame Amidships, Angle	3 3 40	3 1/2" fl. ✓	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 1/2 len. from stem	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or [			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	
" " Second 'tween Decks, Angle, [ or [			" " Gussets, spacing and scantling abaft 1/2 len. from stem	
" " Third			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	
" " from 1/2 len. for'd. to 15% len. from Stem	5 3 46	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	
" " FIRE PEAK	5 3 34	✓	INNER BOTTOM PLATING.	
" " in Peaks, Angle E or F	5 3 30	✓	Breadth and thickness of Middle Line Strake	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" - 5 1/4"	✓	Thickness of remainder in Holds	
State if Frame Joggled	No.	✓	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 the Panting Area in accordance with the Rules and/or as approved?	AS APPROVED	✓	BEAMS.	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			Uppermost Continuous Deck, amidships in	5 3 40 ✓
SINGLE BOTTOM.			" " Well, Angle, E or F	✓
Floors, Depth and thickness at mid-line in	18" x 40	✓	" " in way of Bridge, Angle, [ or [	✓
" " Holds	42 ER - 44 BR	✓	Spacing	6 x 3 x 35 ✓
Height of Brackets at side above base line at toe of frame	NONE	✓	LOWER FORWARD	5 x 3 x 35 ✓
Middle Line Keelson, on Floors, Angles	5 x 3 x 40 - 30	✓	Second Deck, amidships, Angle, E or F	22 ✓
" " DOUBLE	42 - 38	✓	Spacing	22 ✓
" " Through Plate or Inter-costal Plate	✓	✓	LOWER AFT	5 3 35 ✓
" " Foundation Plate on Floors	✓	✓	Third Deck, amidships, Angle, E or F	22 ✓
" " Flat Plate Keel Angles	3 x 3 x 44 - 40	✓	Spacing	22 ✓
Side Keelsons, No. each side	ONE	✓	Fourth Deck, amidships, Angle, [ or [	
" " thickness of Inter-costal Plate	✓	✓	Spacing	
" " Angle	5 3 50	✓	Poop Deck, Angle, [ or [	
Spacing			Spacing	
DOUBLE BOTTOM.			Bridge Deck, Angle, [ or [	
Solid Floors, thickness and spacing			Spacing	
" " Are Frame and Reversed Frame joggled?			Forecastle Deck, Angle, [ or [	5 3 32 ✓
Bracket Floors, breadth and thickness at middle line			Spacing	22 ✓
" " breadth and thickness at margin plate				

(MADE IN ENGLAND.)

2/9220-955710-155410



# 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		✓				
in 'tween Decks <sup>FORWARD</sup> Size and Spacing		2 3/4" DIAM. - 44"		✓				
in Holds		✓						
Centre Line Bulkhead. (FRAMES 14 TO 19)		6 3 - 34		✓				
Stiffeners and Spacing		SPACED 22"		✓				
Plating, thickness of		.26		✓				
STRINGERS AND DECKS.								
Uppermost Continuous Deck.								
Stringer Plate, breadth and thickness in Wells		65 x .32		✓				
in way of Bridge		✓						
Angle in Wells		3 9 - 38		✓				
Thickness of Plating abreast Deck openings in way of Wells		.32		✓				
Thickness of Plating abreast Deck openings in way of Bridge		✓						
Thickness of Plating within line of openings... (FRS 19 TO 30)		.28		✓				
If Sheathed, material and thickness		DOUGLAS FIR 2 1/2"		✓				
LOWER Second Deck. PLATED ATHWARTSHIPS								
Stringer Plate, breadth and thickness in Wells		.26		✓				
Stringer Plate, breadth and thickness in way of Bridge								
Thickness of Plating within line of openings...								
If Sheathed, material and thickness								
Third Deck.								
Stringer Plate, breadth and thickness								
If Plated, state thickness								
Fourth Deck.								
Stringer Plate, breadth and thickness								
If Plated, state thickness								
Poop Deck.								
Stringer Plate, breadth and thickness								
Plating, Sheathing, material and thickness								
Bridge Deck.								
Stringer Plate, breadth and thickness								
Plating, Sheathing, material and thickness								
Forecastle Deck.								
Stringer Plate, breadth and thickness							.26	✓
Plating, Sheathing, material and thickness							.26	✓
UNDER WINDLASS							.40	✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? 403.✓	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.		
Flat Plate Keel.....	39✓	.46✓	.42✓	.42✓		DOUBLE✓	3/4✓	6 PR. R.✓	TWO✓	3/4✓	2 5/8✓	STRAPPED✓	
„ Dblg. (if any)	✓	✓				✓	✓		✓				
Bottom Plating, No. of Strakes 2.....	67✓	.40✓	.40✓	.40✓		DOUBLE✓	3/4✓	6 PR. R.✓	TWO✓	3/4✓	2 5/8✓	LAPPED✓	
Bilge Plating, Nq. of Strakes 1.....	64✓	.40✓	.40✓	.36✓		"	"	"	"✓	"	"	"✓	
Side Plating, No. of Strakes .....	✓	✓				✓			✓				
Upper Deck, Sheer- strake in Wells.....	58✓	.50✓	.43✓	.36✓		DOUBLE✓	3/4✓	6 PR. R.✓	TWO✓	3/4✓	2 5/8✓	LAPPED✓	
Upper Deck, Sheer- strake in Bridge ...	✓	✓				✓							
Strake below Sheer- strake in Wells.....	67✓	.40✓	.40✓	.36✓		DOUBLE✓	3/4✓	6 PR. R.✓	TWO✓	3/4✓	2 5/8✓	LAPPED✓	
Strake below Sheer- strake in Bridge ...	✓					✓							
Poop Side Plating.....	✓					✓							
Bridge Side Plating.....	✓					✓							
Forecastle Side Plating	78✓	.28✓	Nº1 PLATE .50✓			SINGLE✓	3/4✓	3"✓	ONE✓	3/4✓	2 5/8✓	LAPPED✓	

## 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

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, ON FRAME Nº 19	.40-30	6 x 3 x .44	30"		
" " " " 30	.40-30	3 x 3 x .35	30"		
" " Second	.52	6 x 3 x .42	27"		
" " Third	.64	6 x 3 x .40	24" x 22"		
" " Holds	.77	5 x 3 x .30	30" x 36"		
COLLISION (in Hold)	.5	6 x 3 x .31	24"		
AFTER PEAK	.72	5 x 3 x .40	27" x 30"		

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				FLAT PLATE KEEL.
STEM	FLAT BAR.	ROLLED	7" x 1 1/2"	✓
STERN FRAME	Propeller Post	CAST	AS	STEWARTS & LLOYDS LTD.
	Rudder	STEEL	APPROVED	
Speed of Vessel			12-13 KNOTS	✓
RUDDER—Type			SPADE TYPE.	✓
A x D.			✓	
Diam. of head	CAST	7" x 1 1/2"		✓
Mainpiece at top pintle	STEEL	9 1/2" x 1 1/2"		STEWARTS & LLOYDS LTD.
heel		6 x 6		
how constructed	CAST STEEL FRAME WITH SIDE PLATES			✓
double or single plate coupling, vertical or horizontal	DOUBLE .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:— DORMAN, LONG & CO. LD. CONSETT IRON CO. LD. APPLEBY-FRODINGHAM STEEL CO. LD.

SECTIONS:— APPLEBY-FRODINGHAM STEEL CO. LD. DORMAN, LONG & CO. LD.

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.						
46162	1st Bower	14	1	5	STOCKLESS			15	19	0	7	14	BYERS IMPROVED TYPE	NOT STATED	SUNDERLAND 19-7-44. F.W. DOVEY		
46164	2nd "	14	1	10	"			15	19	0	7	14	" " "	" "	" " "		
	3rd "																
	Collective weight	28	2	15								28					
47759	KEDGE Stream	2	2	7	0	2	4	5	2	2	0	2½	ADMIRALTY PLAN ANCHOR SUPPLIED BY ADMIRALTY.				

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.					Ins.	Length.		Ins.	
68473	150	1 1/8	22 3/4	3 1/8	102-2-25					STUD	HENRY REECE	CRADLEY HEATH	TOWLINE  HAWSERS & WARPS }	30	6	MANILA FITTED WITH 35 F. S.W.R. EACH END.		
68474	30	1 1/8	22 3/4	3 1/8	20-2-17			135	1 1/8	LINK	CRADLEY,	12TH JUNE, 1944		150	2 1/2	ADMIRALTY PATTERN.		
	180				123-1-14					STAFFS.	W.V. NORMAN.	120		2 1/2	MOORING ROPE.			
												120		1 1/2	ALL SUPPLIED BY			
KEDGE Kedge Stream Chain Steel Wire	100	2	SUPPLIED BY ADMIRALTY.					100	2					120	4	ADMIRALTY.		

Steering Gear, Type (Power ~~for hand~~) STEAM - WILSON-PIRRIE TYPE - J. LYNN & CO. LD. Alternative Means of Steering HAND GEAR. ✓

Steering Chains (Size and Test) NONE ✓ Windlass STEAM - GEMMELL & FROW LTD. Boats 2-16'0" DINGHYS. ✓

Ceiling in Holds, thickness and material NONE ✓ Cargo Battens, thickness, material and spacing ✓

Cargo Hatchways.—(Upper Deck) NONE ✓ Thickness of Hatches ✓

Size 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 *V. Gray* FOR DOCHRANE & SONS LTD.

**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 conformity with the Society's Rules and Regulations and the

The scantlings and arrangements are in accordance with, or equivalent to, those shown on the approved plans.

The supervision of the specification has been carried out. ✓

The materials and workmanship are good. ✓

Fore & after peak tanks, chain locker & trimming tank, fresh water and reserve feed tanks tested to rule requirements and found satisfactory. ✓

Watertight bulkheads & shell ho tested and found satisfactory. ✓

Decks, casings & deckhouses, watertight hatches, sidelights, W.T. doors ho tested and found satisfactory.

Windlass & steering gear tried under working conditions and found in order. ✓

The amount of Entry Fee..... £ : ✓ : 31 AUG 1944 19

Special Survey Fee..... £ 69: 0: 0

SUPERVISION OF SPECIFICATION £ 71: 0: 0

Travelling Expenses, if any ..... £ : ✓ : 19

Fees applied for, 19

Received by me, 19

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

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

Signature *J. Macleod* Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Hull. Date of issue 19/9/44

Committee's Minute

Character assigned **+100A - Steam Trawler**  
**In Government Service**  
**+LMC. B. H. H. J. D. O. G.**

*Wm X apl.*

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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.

This vessel is a sister ship to HELLISAY - Cochrane & Sons yard No 1283. - Hull Rpt. No 52534. ✓

An echo sounding device has been fitted. ✓

The following reports are enclosed herewith:-

Propeller post.	Hls. Rpt. No 13177.
Propeller post & rudder bearing.	" " " 13177 a
Rudder frame.	" " " 13177 b.
1 Quadrant.	Wab. " " F.7956.
1 Yiller and 1 aux. pinion.	" " " 7951
1 aux. quad.	" " " F7946.

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

Lower deck electrically welded at ship's sides, also butts of lower deck plating.  
Approved electrodes used. ✓

#### 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.	8-2-23.	A.E.G.	711.	10-5-44
2nd "	8-3-1	A.E.G.	640.	3-5-44
3rd "				

#### PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop. ✓ ft., R.Q.D. ✓ ft., Bridge. ✓ ft., Forecastle 26.6 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 ft. ✓ (Circ. 1703)

No. and Material of Decks 1 OK (Stn).

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

Particulars of composition (if fitted) and of approval Bitumen solution in fresh water tanks. 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,		
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 3413

Date 14th October 1943.

Dates of Surveys held while building

1943:- Nov. 16. 25. Decr. 1. 6. 9. 13. 16. 31. 1944:- Jan. 1. 7. 10. 12. 26. 28. 31. Feb. 7. 11. 14. 16. 18. 21. 25. March 3. 15. 16. 20. 23. 29. 31. April 3. 6. 11. 14. 20. 24. 26. May 1. 4. 12. 15. 18. 22. 25. 31. June 7. 13. 16. 20. 23. 26. 29. July 14. 24. 28. August 1. 5. 9. 12. August 14. 15. 17.

Total No. of Visits 61.