

## STEEL STEAMER OR MOTORSHIP

17 DEC 1958

Received at London Office

F.E. FROM ACCTS.

F.E. FROM ADMIN/F

PLANS RECD.

Date of completion of report

Survey held at

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Port of

No.

Date First Survey

Last Survey

1958

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

Steel Twin Screw Transport Ferry "EMPIRE SHEARWATER"

Machg. fitted aft

Full Scantling, Complete Superstructure with or without Tonnage Openings

Special Type - Scantling suitable for a Summer moulded draught of 12' 2 1/2"

State Type of Erections

der

spaces

ge Dk.

k.

4285.07

2417.46

ED DIMENSIONS.

FEET

330.1

54.1

26.4

CLASS

A.1. with Service

State if with freeboard

Yes

Length

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

L

321.2

Breadth (greatest moulded)

B

54.0

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

D

27.0

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

10'-6 1/8"

Built at

Sunderland

Launched

11/2/45

Yard No. 275

Builders

William Pickersgill &amp; Son, Ltd.

Owners

Ministry of Transport &amp; Civil Aviation

Managers

European Ferries Ltd

Residence

Port of Registry

Dover

If surveyed while building, afloat, or in dry dock

Yes 10/58

## 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.
Spacing amidships	-		Bracket Floors, Frame		
" from 1/2 length amidships to Collision bulkhead	-		" " Reversed Frame		
" in peaks	24	/	" " Vertical Struts		
LONGITUDINAL, Rpt 1* Attached		/	Centre Girder, depth and thickness amidships		
amidships, Angle, [ or ]			" " top Angles		
" Extends up to			" " bottom Angles		
Frame Amidships, Angle			Side Girders, No. each side and thickness		
" Extends up to			Margin Plate depth (excl. of flange) and thickness		
Framing Girder			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
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		
1/2 len. for'd. to 15% len. from Stem			Tank Side Brackets, height above base line at toe of Frame and thickness		
Peaks, Angle or [	6 3 11 37 lbs.	/	INNER BOTTOM PLATING.		
and Spacing of Rivets through Frame and Shell Plating amidships			Breadth and thickness of Middle Line Strake		
me Joggled	No	/	Thickness of remainder in Holds		
Scantlings and arrangements in the Area in accordance with the Rules approved?	Yes	/	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?		
Scantlings and arrangements in way of Bottom Forward in accordance with Rules and/or as approved?	Yes	/	BEAMS.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in		
Solid Floors, thickness and spacing			" " in way of Bridge, Angle, [ or ]		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Second Deck, amidships, Angle, [ or ]		
" " breadth and thickness at margin plate			Spacing		
			Third Deck, amidships, Angle, [ or ]		
			Spacing		
			Fourth Deck, amidships, Angle, [ or ]		
			Spacing		
			Poop Deck, Angle, [ or ]		
			Spacing		
			Bridge Deck, Angle, [ or ]		
			Spacing		
			Forecastle Deck, Angle, [ or ]		
			Spacing		



## PILLARS AND DECKS.

	INCHES IN SEIT.	Any Departure from Approved Plans to be Noted.	INCHES IN SEIT.
PILLARS, No. of Rows LONG <sup>d</sup> BHD. 15'-0" FROM E. (P.F.S.) PLATING VERT. STIFFERS UP TO LOWER DK "	As appd. 12/10 lbs. 15 x 10 lbs. (A.P.E.) @ 8'0" spacing 8 3 15.92 lbs. @ 8'0" " 7 3 13.6 lbs., 30/27 spacing. 5 3 9.43 lbs., and 6 x 1/4 hollow 1/2 mds, 24/27 spacing 6 6 19.55 lbs. 8'0" spacing 4 2 1/2 5.31 lbs. 2'0" " 6 lbs. 15 lbs. - 4 4 12.75 lbs. 12 lbs. - 12 lbs. - 10 lbs.	/	Stringer Plate, breadth and thickness in way of Bridge } - Thickness of Plating abreast Deck openings in way of Wells } 7 1/2 lbs. Thickness of Plating abreast Deck openings in way of Bridge } - Thickness of Plating within line of openings... - If Sheathed, material and thickness..... - Third Deck. / LOWER DK) Stringer Plate, breadth and thickness... 10 lbs. If Plated, state thickness... 10 lbs at sides & 15 lbs. in way keel 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..... Plating, Sheathing, material and thickness...
Centre Line Bulkhead. IN TANKS UNDER HOLD <sup>S</sup> Stiffeners and Spacing	WASH 6 6 19.55 lbs. 8'0" spacing 4 2 1/2 5.31 lbs. 2'0" "	/	
Plating, thickness of	6 lbs.	/	
STRINGERS AND DECKS. (UPPER DK)			
Uppermost Continuous Deck, Stringer Plate, breadth and thickness in Wells	15 lbs.	/	
" " " " in way of Bridge	-		
" Angle in Wells	4 4 12.75 lbs.	/	
Thickness of Plating abreast Deck openings in way of Wells }	12 lbs.	/	
Thickness of Plating abreast Deck openings in way of Bridge }	-		
Thickness of Plating within line of openings...	12 lbs.	/	
If Sheathed, material and thickness.....	-		
Second Deck. (MAIN DK) Stringer Plate, breadth and thickness in Wells	10 lbs.	/	

## SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *One (FR 151)*

Deck next below *Two (FR 1546 & 59/61)*

As per ~~Private~~ *Approved.*

## FORGINGS AND CASTING

	Casting or Forging.	Scanlings.	Made Na
KEEL, Bar .....		Flat plate	
STEM .....		Hinged bar	
STERN FRAME { Propeller Post .....		Fabricated	
{ Rudder .....		" "	
Speed of Vessel .....		10 Knots	
RUDDER—Type <i>Turn</i> .....		Ordinary	
✓ " A × D. ....			
✓ " Diam. of head .....		7' dia	
" Mainpiece at top pintle .....		- -	
" " heel .....		- -	
✓ " how constructed .....		Fabricated	
" double or single plate .....		Double	
✓ " coupling, vertical or .....		Horizontal	
" horizontal .....			

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
BULKHEADS	Upper 'tween decks	N <sup>o</sup> 51	7 lb 5 3/4 x 2 1/2 x 5' 0"	17 1/4' / 31 1/2'	-	-
	Second	N <sup>o</sup> 51	7 1/10 lb 5 x 3 x 6.8 x 4 lb	22 1/2' / 31 1/2'	-	-
	Third	-	-	-	-	-
	E. R. Holes	N <sup>o</sup> 51 (lower)	10' 5 7/8 x 3 x 13.82 lb	20' / 26 1/4'	-	-
COLLISION	E. R. (in Holes)	N <sup>o</sup> 46	7 1/2 lb 5 1/2 x 3 x 9.4 lb	20' / 26 1/4'	-	-
		N <sup>o</sup> 59	10' 12 lb 6 x 3 x 11.37 lb	20' / 24'	-	-
AFTER PEAK		N <sup>o</sup> 61	8 lb 1/2 x 4 x 3 x 6.18 lb	28' / 29'	-	-

# STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) \_\_\_\_\_

Has the Steel been tested as required by the Rules?



GWS RPA 89407

# *EMPIRE SHEARWATER* PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.				
	In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Brackets to Bulkheads.	
	Ins.	Ins.	LBS.	Ins.	Ins.	LBS.		Diam.	Speng.		Number.	Diameter.
Bridge 'tween Decks ...	-	-	-									
Uppermost Continuous No. 1	5	3	9.43	5	3	9.43	/					
" 2	"	"	"	"	"	"	/					
" 3	"	"	"	"	"	"	/					
MAIN DECK " 4	5	3	9.43	5	3	9.43	/					
" 5	"	"	"	"	"	"	/					
LOWER DECK " 6	7	3	13.6	7	3	13.6	/					
" 7	"	"	"	"	"	"	/					
" 8	"	"	"	"	"	"	/					
BILGE " 9	"	"	"	"	"	"	/					
" 10							/					
" 11	7	3	13.6	7	3	13.6	/					
" 12							/					
LONG. BMD. " 13							/					
" 14	7	3	13.6	7	3	13.6	/					
SIDE GIRDER " 15	7	3	13.6	7	3	13.6	/					
CENTRE GIRDER " 16	7	3	13.6	7	3	13.6	/					
of Amidships ...	22 1/2 - 30						/					
At Ends ...							/					
Tank Top Longitudinals												
Bottom " Amidships												
Longitudinals At ends...												
Transverses.												
Depth and Thickness	12" x 10 lb.						/					
Face Angles	4" FL.						/					
Lugs to Shell	3	3	4.89				/	3/4	3 3/8			
Depth and Thickness	15" x 10 lb.						/					
Face Angles	4" FL.						/					
Lugs to Shell	3	3	4.89	Ditto			/	3/4	3 3/8			
Depth and Thickness	24" x 10 lb.						/					
Face Angles	4	2 1/2	7.8 lb.				/					
Lugs to Shell	3	3	4.89 lb.				/	3/4	3 3/8			
" " Back Bars							/					
Brackets	10 lb. (4 1/2" FL.)						/					
of Transverse Frames...	8" O-						/					
Plate if joggled or liners.												
Bridge Deck	-	-	-				/					
Upper " 5	6	3	11.37	Ditto			/	24 - 28 lb.				
Second " 7	5	3	8.17				/	28 lb.				
Third " 5	6	3	11.37				/	28 lb. x 28 lb.				
Transverse Beams												
Plate	24 x 10 lb.			5 x 3 x 8.07 lb. ditto			/					
Face Angles	4" FL.						/					
Any departure from Approved Plans to be Noted.												

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., to be entered in their respective places provided for on the Report Forms.

NOTE.—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, &c., on the first page.



EQUIPMENT No. <i>Equipment require to correspond to equivalent "V"</i>										ANCHORS.				
LETTER <i>N</i>														
Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				Description of Anchor.	Makers.	Where and when tested, and Superintendent.	
	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
1st Bower	52	1	19									Stockholm per Stephenson & Hawthorn Sunderland, 2/3/45		
2nd "	52	0	14									Ditto Ltd., Darlington "		2/3/45
3rd "	52	1	0									Ditto "		27/3/45
Collective weight														
Stream														

*Note:- This information extracted from original B.C Hall & Equipment Report Book, and in which it is stated that this equipment had been supplied and tested to Admiralty requirements*

*Anchor weights checked, see Rpt 8 (20)*

CHAIN CABLES										HAWSERS AND WARPS.		
										Length and Size supplied.	Breaking Test of	Length and Size per Table 53.

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.	Clr.	Steel Wire.	Length.	Clr.	
Length.	Diam.	Statutory.	Breaking.	Supplied.			Per Rule.						Length.	Diam.	Fathoms	Ins.	Fathoms	Ins.
		Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms	Ins.									
to	15 @	1 1/2	56.7 82.2	2	284	2	14	270 1/2	50	Stud link Special Steel Cable	✓	LPH-G, 30/8/58, SB.	TOWLINE					
in.	15 fms cal																	
	3 @																	
	247 1/2 fms																	
		Clr.																

Note: - For detailed information see Plot P (R.Q.) Equipment attached.

ing Gear, Type (Power or hand) *Steam Hydraulic, Brown Bros.* Alternative Means of Steering *Hand pump.*

ing Chains (Size and Test) *None - Telemotor Control* Windlass *Steam - Clarke & Chapman* Boats *1 ROWING LUGGERS 30'0" wood*

ing in Holds, thickness and material *None* Cargo Battens, thickness, material and spacing *Boats 1 MOTOR 30'0" (63 persons each)*

o Hatchways. (Upper Deck) *Steel coamings riveted to deck* Thickness of Hatches *2 1/2" wood covers*

of Hatchways No. 1 (Fwd.) *VEHICLE HATCH 48'-0" x 12'-0" No. 2 26'-0" x 14'-0" No. 3 - No. 4 - No. 5 - No. 6 -*

umber of Shifting Beams *11* Builder's Signature

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 *Yes*

(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 ship was originally built under the supervision of the Surveyor to the British Corporation Register, as a T.S. Transport Ferry. The scantlings and arrangements have been examined, and found to be generally in accordance with the available plans for the prototype by Messrs Wm. Denny & Bros, Ltd, and from which this report has been prepared so far as possible.*

*The Special Survey for Classification has been completed at this time, and for details please see accompanying Report 8 in respect of the Survey. The ship's condition and standard of workmanship as now surveyed is considered to be satisfactory.*

The amount of Entry Fee..... £ *Please see Report 8*

Special Survey Fee..... £ *for fees*

Travelling Expenses, if any..... £

State whether the Vessel has been built under Special Survey *Yes (British Corporation)*

Date of issue *23/2/59*

Certificate to be sent to *GLASGOW 16 DEC 1958 10 FEB 1959*

Committee's Minute *See accompanying Rpt. 8*

Character assigned

(Special notations, where part of class, to be stated.)

*See Mrs G. Turnbull's endorsement dated 22/10/58*

*\*A.I. with Service limits "U.R. and Eire (excluding the West Coast of Ireland), also to E from the Baltic and Mediterranean, with the Notation S. 5. 1258 (as per Rpt. 8.) and record of Docking Survey 10/58 as per Rpt. 8.*

*I am of opinion the Vessel should be Classed*

Signature *A. Scott* Surveyor to Lloyd's Register of Shipping

*Noted for Header*

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Rpt.  
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RADAR Equipment (State if fitted) YES  
State Type or Pattern No. Decca  
State } Maker Type 155B  
Name } and/or  
of } Supplier

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### Dates of Surveys

### Dates of Surveys

Total No. of Visits

Total No. of Visits



RPT 8(EQ) (EQUIPMENT)

SHIP'S NAME

"EMPIRE SHEARWATER"

To be securely attached to

REPORT GLASGOW

No. 89407

When Anchors or Cables are supplied or retested, the particulars are to be reported in the following form:

## ANCHORS

Number of Certificate	Anchors	Weight Ex Stock			Weight of Stock			Test per Certificate			Weight Required by Rule			Description of Anchor	Makers	Where and when tested and Superintendent
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.		
47420		52	2	0	/											
47441		52	2	0	/											
47442		52	2	0	/											
Collective Weight																
Stream																

Note: - Check weight of existing anchors.

## CHAIN CABLES

Number of Certificate	Length and size supplied		Test per Certificate		Weight of Chain Cable			Length and size per rule		Description	Makers of Cable	Where and when tested and Superintendent			
	Length	Diam.	Statutory	Breaking	Supplied		Rule	Length	Diam.						
	Fathoms <del>or Meters</del>	Ins. <del>or Mm.</del>	Tons <del>or Kilos.</del>	Tons <del>or Kilos.</del>	Cwts.	qrs. <del>Kilos.</del>	lbs.	Cwts.	qrs. <del>Kilos.</del>				lbs.	Fathoms <del>or Meters</del>	Ins. <del>or Mm.</del>
11563	EACH	15	1 1/2	56.7	82.2	17	3	9	EACH	17	1	0	Fund link Special Steel Cable	✓	LPH-G., 30/8/58, S.B.
11564						17	3	7							
11565						18	0	3							
11566						18	0	1							
11567						16	2	26							
11568						16	2	23							
11569						16	2	12							
11570						17	1	2							
11571						16	3	9							
11572						17	0	26							
11573	EACH	7 1/2	1 1/2	56.7	86.0	16	2	21	EACH	8	2	14	2 Jamnoshackles (English)	✓	LPH-G., 30/8/58 S.B.
11574						16	3	2							
11575						16	2	23							
11576						16	2	19							
11577						16	3	9							
11578						8	1	9							
11579						8	0	23							
11580						8	2	23							
11585						0	2	0							
11589						0	0	0							
11593	fr	1 9/16"	61.5	86.0	0	0	0	✓	✓	LPH-G., 5/9/58 S.B.					
11594					0	0	0								

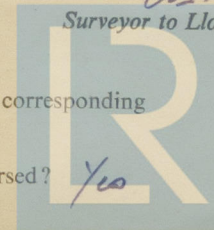
Lead link  
special steel  
Cable

LPH-G., 30/8/58, S.B.

2 Jamppshackles  
1 " " (LPH-G.)  
1 " " (LPH-G.)LPH-G., 30/8/58 S.B.  
LPH-G., 5/9/58, S.B.

Surveyor to Lloyd's Register of Shipping

Note:—Where anchors or chain cables are lost or condemned and renewed or supplied the corresponding test certificates should be cancelled by the Surveyors.

Have test certificates of new equipment (if now supplied) been checked and endorsed? *Yes*Lloyd's Register  
Foundation

003245-003251-0174 4/4