

STEEL STEAMER or MOTORSHIP.

Received at London Office 15 OCT 1942

State if Report has been sent on the Freeboard of the Vessel **YES.**State if Report is sent on the Machinery of the Vessel **YES.**

Date of completion of report

12th OCTOBER 1942Port of **NEWCASTLE-ON-TYNE**No. **100783**Survey held at **WALKER-ON-TYNE**

Date First Survey

16th March 1942

Last Survey

5th October

1942

On the (State Machinery fitted and
Single, Twin or Triple Screw)**SINGLE SCREW STEEL FERRY STEAMER****"EMPIRE DACE"**

MACHINERY FITTED AFT

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

State Type of Erections

TONNAGE under
Tonnage Deck... **548.06**CLASS **100 A.1. WITH FREEBOARD** State if with freeboard **YES**
"FOR GOVERNMENT SERVICE" as condition of ClassDo. of space or spaces
between Tonnage Dk.
and Upper Dk. **✓**Length from fore part of stem to after part of stern
most on summer L.W.L. See Sec. 3 (1a) **178'-9"**Built at **WALKER-ON-TYNE**Launched **11th AUGUST 1942**. Yard No. **1754**Total **✓**Breadth (greatest moulded) **B 40'-0"**Builders **MESSRS SWAN HUNTER & WIGHAM**
RICHARDSON LTD.Gross Tonnage **716.23**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"**Owners **ADMIRALTY M.S.**Register Tonnage **267.61**1st Longitudinal Number (L x D) **= ✓**Managers **✓**
(Where necessary to be entered in Reg. Book.)REGISTERED DIMENSIONS.
FEET.Length **179.5'**Framing Depth "d," at middle of length. See
Sec. 3 (1d) **✓**Residence **✓**Breadth **40.2'**Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel **✓**
Do. Long Bridge to top
of keel **✓**Port of Registry **NEWCASTLE-ON-TYNE**Depth **11.0'**Draught Moulded **9' 1 1/8"**If surveyed while building, afloat, ~~or~~ in dry dock**YES.**

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 1/3 length amidships to Collision bulkhead.....	22" ✓		" " Reversed Frame	✓	
" " in peaks.....	22" AT AFT PEAK ✓ 20" FORE PEAK ✓		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness AFT. 32" x 38" ✓		
Frame Amidships, Angle, E or F ✓	5' 3" x 28" ✓	5' x 3" x 25" ✓	" " top Angles	4' 3" x 3/8" ✓	
" " Extends up to UPPER DECK. ✓			" " bottom Angles	3' 3" x 3/8" ✓	
Reversed Frame Amidships, Angle	3' 3" x 5/16" ✓		Side Girders, No. each side and thickness ONE 3/8" ✓		
" " Extends up to... UPPER TURN OF BILGE. ✓			Margin Plate depth (excl. of flange) and 20" x 32" ✓		
Depth of Framing Girder	5" ✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem AFT. 3' 3" x 5/16" ✓		
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area ✓		
" " Second 'tween Decks, Angle, E or F	✓		" " 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 ✓	✓		Tank Side Brackets, height above base line 32" x 30" ✓		
" " in Peaks, Angle E or F ✓	4' 3" x 5/16" ✓		AFT		
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	3/4" 5/4" ✓		INNER BOTTOM PLATING. AFT ✓		
State if Frame Joggled YES. ✓			Breadth and thickness of Middle Line Strake ... 82" x 7/8" ✓		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? YES. ✓			Thickness of remainder 32" ✓		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as 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? ✓		
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	21" x 34" ✓		Uppermost Continuous Deck, amidships 8' 3" x 38" ✓		
Height of Brackets at side above base line at toe of frame	✓		" " in Way, Angle, E or F ✓		
Middle Line Keelson, on Floors, Angles, E or F	10' 3 1/2" x 7/16" ✓		" " in way of Bridge, Angle, E or F	22" - 20" ✓	
" " " Through Plate or Intercostal Plate... ✓	38" ✓		Spacing	44" ✓	
" " " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, E or F	✓	
" " " Flat Plate Keel Angles 3' 3" x 3/8" ✓	3' 3" x 3/8" ✓		Spacing	✓	
Side Keelsons, No. each side TWO			Fourth Deck, amidships, Angle, E or F	✓	
" " thickness of Intercostal Plate... 30" ✓	30" ✓		Spacing	✓	
" " Angles 6' 3" x 3/8" ✓	6' 3" x 3/8" ✓		Poop Deck, Angle, E or F	✓	
DOUBLE BOTTOM. AFT.			Spacing	✓	
Solid Floors, thickness and spacing	38" 22" ✓		Boat. 6 x 3" x 38" ANGLE SPACED ABOUT 36" ✓		
" " Are Frame and Reversed Frame joggled? YES. ✓	✓		Bridge Deck, Angle, E or F 4 x 3" x 5/16" ✓		
Bracket Floors, breadth and thickness at middle line	✓		Spacing	25" - 30" ✓	
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, E or F	✓	
			Spacing	✓	

	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.....	} AS APPROVED ✓		Stringer Plate, breadth and thickness in way of Bridge	✓	
" " in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells	28"	26"
" " " " " "			Thickness of Plating abreast Deck openings in way of Bridge	✓	
" " in Holds " " " "			Thickness of Plating within line of openings..	✓	
" " " " " "			If Sheathed, material and thickness	1 1/4" COMPOSITION.	✓
Centre Line Bulkhead.		✓	Third Deck.		
Stiffeners and Spacing.....	✓	Stringer Plate, breadth and thickness.....	✓		
Plating, thickness of	✓	If Plated, state thickness.....	✓		
STRINGERS AND DECKS.		Fourth Deck.			
Uppermost Continuous Deck.		Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Way	47" -34" 10-30 ATENDS. ✓	If Plated, state thickness	10 ✓		
" " " " , in way of Bridge	✓	Poop Deck.			
" Angle in Walls	3 1/2 x 3 1/2 x 3/8 TO 5 x 3 1/2 x 9/16 ATENDS. ✓	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	✓	Boat Bridge Deck.	62" 28" 66" ✓		
Thickness of Plating within line of openings...	✓	Stringer Plate, breadth and thickness.....	BARE STEEL DK CLEAR OF ACCOM.		
If Sheathed, material and thickness	✓	Plating, Sheathing, material and thickness ..	24" 1/4" DURASTIC IN ACCOMM. ✓		
CABIN Second Deck.		Forecastle Deck.			
Stringer Plate, breadth and thickness in Way	61" x 30" ✓	Stringer Plate, breadth and thickness.....	✓		
		Plating, Sheathing, material and thickness ..	✓		

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		No.	BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	No.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.						SINGLE OR DOUBLE.	RIVETS.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	38½	45	50	41		2 R.	¾	3		ALL SHELL PLATING BUTTS		
" DELG. (if any)		✓				✓	✓	✓		ELECTRICALLY WELDED. ✓		
BOTTOM PLATING, No. of Strakes ... 2	B 62½ C 12 D 64	34	42	30		1 R. 2 R. Fore & Aft.	¾	3				
BILGE PLATING, No. of Strakes ... 1	49½	34	33	32	30 AFT. ✓	1 R.	¾	3				
SIDE PLATING, No. of Strakes ... 1	49½	34	34	32	30 AFT. ✓	1 R. 2 R. Fore & Aft.	¾	3				
UPPER DECK, Sheer-strake in Work	48	46	38	38		1 R.	¾	3				
UPPER DECK, Sheer-strake in Bridge ...		✓					✓					
STRAKE BELOW Sheer-strake in Work	51½	42	30	30		1 R.	¾	3				
STRAKE BELOW Sheer-strake in Bridge ...			✓				✓					
POOP SIDE PLATING			✓				✓					
BRIDGE SIDE PLATING ...			✓				✓					
FORECASTLE SIDE PLATING			✓				✓					

WATER-TIGHT BULKHEADS.		CASTING OR FORGING.		SCANTLING.	MAKER'S NAME.	ANY DEPARTMENT FROM APPROVED PLANS TO BE NOTED.
Total No. of W.T. BULKHEADS in Vessel—						
Extending to Upper Deck (Sec. 3 c)		THREE.				
" Deck next below		ONE.				
As per Rule		✓				
		STIFFENERS.				
Plating Thickness.		VERTICAL.		HORIZONTAL.		
		Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKHEAD, Upper tween decks		✓				
" " Second "		✓				
" " Third "		✓				
" " Holds	40'-30" 5' x 3" x 25 BA 27'-34" 25" 5' x 3" x 26 BA 27'					
COLLISION " (in Hold)	32'-26" 5' x 3" x 30 BA 24" 3 1/2 x 3" x 34					
AFTER PEAK " "	34'-24" 5' x 3" x 5/16 BA 24"					
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) SOUTH DURHAM S. I. C. LTD. CONSETT IRON CO. LTD. CARGO FLEET IRON CO. LTD. SKINNINGROVE IRON CO. LTD. COLVILLES LTD. DORMAN LONG & CO. LTD.						
Has the Steel been tested as required by the Rules? YES.						

EQUIPMENT NO.										LETTER		TESTER		MAKER		Where and when tested and Superintendent	
Number of Certificate.	Anchors.	Stackless.		WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 33.		Description of Anchor.	Makers.				
		Wt.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.						
42126	1st Bower ...	20	1 0	✓	✓		20	19	1	14	AS APPROVED 202	Byes Improved Stockless	✓	L.P.H. SUNDERLAND	8/7/42	✓	
42133	2nd " ...	20	0 12	✓	✓		20	17	0	21	" 202	"	✓	L.P.H. SUNDERLAND	9/7/42	✓	
	3rd " ...																
	Collective weight.																
42125	Stream ...	15	0 7	✓	✓		16	12	0	21	" 524	"	✓	L.P.H. SUNDERLAND	8/7/42	✓	

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.	
					Supplied.		Per Rule.								Length.	Chr.		Length.	Chr.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
1249	180	1 3/8	34	51	178	1	8	1 1/4	AS APPROVED		STUD LINK.	✓	L.P.H. NETHERTON 28/7/42 J.R.	STEEL WIRE TOWLINE.	90	3	18.6	90	3
														STEEL WIRE HAWSEERS & WARPS	90	2 1/4	10.8	90	2 1/4
														"	90	1 3/4	6.4	90	1 3/4
Stream Cable	60	3 1/4	✓	21.7	✓			✓	60	3 1/4	9/12	✓		"					

Steering Gear, Type (Power or hand) WIGHAM'S COMBINED STEAM & HAND GEAR Alternative Means of Steering HAND.

Steering Chains (Size and Test) NONE CAPSTANS TWO 9"x10" STEAM CABLE CAPSTANS PORT 23'1"x17'5"x2'9" (WOOD) 30 PERSONS
WINCHES BOATS STARTED 23'-0" x 7'-55" x 2'-45" (WOOD MOTOR LIFEBOAT) 27 PERSONS

Ceiling in Holds, thickness and material 3' OREGON PINE. Cargo Battens, thickness, material and spacing NONE - CLEATS FITTED ONLY.

Cargo Hatchways. (Upper Deck) STEEL PLATES AND ANGLES. Thickness of Hatches 2 1/2" W.P.

Size of Hatchways No. 1 (Fwd.) 25'-8" x 12'-0" No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams Nº 1 - FOUR. FOR SWAN, HUNTER & WIGHAM RICHARDSON, LTD.
and Fore and Afters

Builder's Signature

FOR
SWAN, HUNTER & WIGHAM RICHARDSON, LTD.

John Morrison
DIRECTOR

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 CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS AND THE SECRETARY'S LETTERS

AND GENERALLY CONFORMS WITH THE SOCIETY'S RULES FOR THE CLASS CONTEMPLATED.

THE MATERIALS AND WORKMANSHIP ARE GOOD.

THE WEATHER DECKS AND WATER TIGHT BULKHEADS HAVE BEEN TESTED AND FOUND TO BE SATISFACTORY.

THE CAPTAINS AND STEERING GEAR HAVE BEEN EXAMINED UNDER WORKING CONDITIONS AND FOUND TO BE SATISFACTORY. (QUAY SIDE)

THE DOUBLE BOTTOM TANK, FORE AND AFT PEAK TANKS, AND FORWARD DEEP TANK HAVE BEEN TESTED AS REQUIRED BY THE RULES

AND FOUND TO BE SATISFACTORY.

The amount of Entry Fee £ 4 : 0 : 0

Special Survey Fee.... £ 71 : 12 : 6

FREE BOARD FEE
Travelling Expenses, if any £

State whether the Vessel has been built under Special Survey..... **YES**

Signature H. Little E. W. Dean.
 Surveyors to Lloyd's Register of Shipping.

Certificate to be sent to NEWCASTLE-ON-TYNE, Date of issue

Committee's Minute

TUE. 27 OCT 1942

Character assigned

+

+100A1
with freeboard
for Government Service
Lloyd A & Co. + 1/2

+LMC © 2020
 FD CH
 Lloyd's Repiste
 Foundation
 W195-0194 3/2

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 FOLLOWING PLANS ARE FORWARDED WITH THIS REPORT:—

MIDSHIP SECTION (AS FITTED)
PROFILE & DECKS (AS FITTED)
PUMPING ARRANGI. AS APPROVED.
AFT END FRAMING

2 FORGING AND CASTING REPORTS.

SISTER SHIPS "MUREFTE" REPORT NO 99140; "SARKOY" REPORT NO 99141; "TUZLA" REPORT NO 100766. (ETC.)
(NEWCASTLE) (NEWCASTLE) (NEWCASTLE)

PARTICULARS OF ELECTRIC WELDING (if employed) THE FOLLOWING ITEMS HAVE BEEN ELECTRICALLY WELDED:—
FLAT PLATE KEEL BUTTS; SHELL PLATING ALL BUTTS; TANK TOP PLATING IN ENGINE ROOM, SEAMS AND BUTTS; BOAT DECK PLATING BUTTS;
CABIN DECK PLATING BUTTS.

THE ELECTRODES EMPLOYED ARE IN ACCORDANCE WITH THE REQUIREMENTS OF THE RULES.

THE ELECTRIC WELDING HAS BEEN CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE RULES.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book "WITH FREEBOARD" - LLOYDS A & CP
WIRELESS.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	WEIGHT	11-2-20	INITIALS	R.H.T.G.	Nº 4538	DATE	31-12-41
	2nd "	"	11-1-21	"	S.P.R.	Nº 4606	"	19-2-42.
	STREAM	"	8-1-11	"	S.P.R.	Nº 4198.	"	28-4-42.
	"	"		"			"	

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. 165842 Signal Letters Extreme Breadth over Belting 41'-4" Over-all Length 187'-8"
No. and Material of Decks ONE DECK (STEEL)
Parts of Bottom of Vessel coated with cement or approved composition BOTTOM SHELL AND FLOORS IN WAY OF HOLD AND BUNKERS COATED "BITUMASTIC ENAMEL"; BOTTOM SHELL INWAY OF BOILER ROOM COATED CEMENT, FLOORS "BITUMASTIC ENAMEL"; FRESH WATER TANKS - TOP, SHELL AND FLOORS COATED CEMENT.
Particulars of composition (if fitted) and of approval

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,	21'-2"	22 ✓
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	7'-4"	6 ✓
Double bottom, if under Engines only,	22'-6"	20 ✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	12'-10"	43 ✓
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. 5661
Date 30-4-42
1942
Mar 16. 20. 24. 30 Apr. 8. 9. 10. 28. 30. May 6. 11. 13. 14. 18. 27. June 5. 8. 17. 22. 25. July 1. 14. 27. 28.
Aug. 3. 5. 7. 11. Sept. 9. 16. 18. 28. 29. 30. Oct. 5.

