

STEEL STEAMER ~~MOTORSHIP~~

Received at London Office.....

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

21<sup>st</sup> NOVEMBER, 1942.Port of **MIDDLESBROUGH**No. **14345.**

Survey held at

**HAYERTON - HILL - ON - TEES**Date First Survey **24<sup>th</sup> November, 1941**

Last Survey

**14<sup>th</sup> November, 1942.**On the ~~(State if Machinery fitted Aft and~~**S/S "EMPIRE NUGGET"****MACHINERY AFT SINGLE SCREW STEAM TANKER**State Type ~~(Full Scantling, Complete Superstructure)~~**FULL SCANTLING**

State Type of Erections

**POOP & FOREPEAK**TONNAGE under Tonnage Deck... **8899.17**CLASS **100 A.1 CARRYING PETROLEUM IN BULK**

State if with freeboard as condition of Class

**NO**

LONGITUDINAL FRAMING, FITTED FOR OIL FUEL.

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) **L 475'-0"**Breadth (greatest moulded) **B 68'-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 36'-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 **28'-3"**Built at **HAYERTON HILL - ON - TEES**Launched **28<sup>th</sup> SEPT. 1942.** Yard No. **349**Builders **FURNESS S.B.C. LTD.**Owners **MINISTRY OF WAR TRANSPORT.**Managers **ANGLO-SAXON PETROLEUM CO. LTD.**  
(Where necessary to be entered in Reg. Book.)Residence **LONDON.**Port of Registry **MIDDLESBROUGH**~~Surveyed while building,~~ afloat, ~~1941~~**SURVEYED WHILE BUILDING & AFLOAT.**

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

Total **8899.17**Gross Tonnage **9807.44**Register Tonnage **5780.08**REGISTERED DIMENSIONS.  
FEET.Length **483.8**Breadth **68.3**Depth **36.15**

## 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 <del>ENGINE ROOM</del> <b>ENGINE ROOM</b>	30	✓ <b>B.R. 30 3/4 27 1/2</b>	Bracket Floors, Frame .....	✓	
DEEP TANK FORWARD	25	✓	" " Reversed Frame .....	✓	
" " from 3/8 length to Collision bulkhead.....			" " Vertical Struts .....	<b>B.R. 13'-6" x 40" - 34"</b>	✓
" " in peaks <b>AFTER PEAK 24' &amp; 21' F.P. = 24'</b>		✓	Centre Girder, depth and thickness amidships	<b>E.R. 79" x 50" - 46"</b>	✓
SIDE FRAMING. LONGITUDINAL FRAMING	SEE SEPARATE SHEET.	✓	" " top Angles .....	<b>BR 3 1/2 x 3 1/2 x 7/8</b>	S ✓
Frame Amidships, Angle, [ or ] .....			" " bottom Angles .....	<b>ER 3 1/2 x 3 1/2 x 7/16</b>	D ✓
Extends up to .....				<b>BR 6 x 6 x .60</b>	S ✓
FRAME IN DEEP TANK FORWARD <b>10 x 3 1/2 x 43' 7"</b>		✓	Side Girders, No. each side and thickness .....	<b>2 44"</b>	✓
Reversed Frame Amidships, Angle <b>BACK BARS AT BOTTOM 3 1/2 x 3 1/2 x 3/8</b>		✓	Margin Plate depth (excl. of flange) and thickness .....	<b>TANK</b>	
" " Extends up to .....			" " Vertical Angle to Tank side	<b>TOP</b>	
Depth of Framing Girder <b>LONGITUDINAL FRAMING</b>		✓	Bracket abaft 1/2 len. from stem .....	<b>FLAT</b>	
Frames in Uppermost Continuous 'tween POOP Decks, Angle, [ or ] .....	<b>5" 3" 3/8"</b>	✓	" " Vertical Angle to Tank side	<b>IN</b>	
" " Second 'tween Decks, Angle, [ or ] .....	✓		Bracket forward 1/2 len. from stem .....	<b>ENGINE</b>	
" " Third " <b>AFTER PEAK</b>	<b>7 x 3 1/2 x 3/8 7</b>	✓	Gussets, spacing and scantling abaft 1/2 len. from stem.....	<b>AND</b>	
Framing in Peaks, Angle or [ <b>FORE PEAK</b>	<b>9 x 3 1/2 x 3/8 7</b>	✓	Gussets, spacing and scantling forward 1/2 len. from stem.....	<b>BOILER</b>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	<b>TO FLE DECK 7/8" 5/4"</b>	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	<b>SPACE</b>	✓
State if Frame Joggled <b>N.O.</b>			INNER BOTTOM PLATING.	<b>ER. BR.</b>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars)	<b>AS APPROVED.</b>	✓	Breadth and thickness of Middle Line Strake .....	<b>54" 62"</b>	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars .....	<b>AS APPROVED.</b>	✓	Thickness of remainder in Holds .....	<b>54" 62"</b>	✓
SINGLE BOTTOM.			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?.....	✓	
Floors, Depth and thickness at mid-line in Holds .....	<b>48" x 46" CENTRE TANKS</b>	✓	BEAMS.		
Height of Brackets at side above base line at toe of frame	<b>36" x 44" WING TANKS</b>	✓	Uppermost Continuous Deck, amidships) in Wells, Angle, [ or ] .....	<b>LONGITUDINAL BEAMS, SEE SEPARATE SHEET.</b>	✓
Middle Line Keelson, <b>INTERCOSTAL PLATE</b>	<b>5 1/2" x 42"</b>	✓	" " in way of Bridge, Angle, [ or ] .....		
" " <b>TOP BARS</b>	<b>7 6" 3 1/2" 40"</b>	✓	Spacing .....	<b>8" 3 1/2" 35"</b>	✓
" " <b>Through Plate or Intercostal Plate</b>			BEAMS IN DEEP TANK FORWARD <b>6</b>	<b>EVERY</b>	✓
" " <b>Foundation Plate on Floors</b>			Second Deck, amidships, <b>6</b>	<b>6" 3 1/2" 5/16"</b>	✓
" " Flat Plate Keel Angles	<b>5 6" 6" 60"</b>	✓	BEAMS ON UPPER DECK IN FORE & AFT PEAKS	<b>EVERY</b>	✓
Side Keelsons, No. each side .....			Third Deck, amidships, Angle, [ or ] .....		
" " thickness of Intercostal Plate...	<b>FORE &amp; AFT BULKHEAD</b>	✓	Spacing.....	✓	
" " Angles .....			Fourth Deck, amidships, Angle, [ or ] .....		
DOUBLE BOTTOM. IN ENGINE ROOM.			Spacing.....	<b>HALF BEAMS</b>	✓
Solid Floors, thickness and spacing <b>EVERY</b>	<b>52"</b>	✓	POOP DECK, Angle, [ or ] <b>THRO' BEAMS</b>	<b>7" 3" 3/8"</b>	✓
" " Are Frame and Reversed Frame joggled?..... <b>YES</b> .....			Spacing.....	<b>8" 3 1/2" 35"</b>	✓
Bracket Floors, breadth and thickness at middle line.....	✓		Bridge Deck, Angle, [ or ] .....		
" " breadth and thickness at margin plate.....	✓		Spacing.....	✓	
			Forecastle Deck, <b>6</b>	<b>6" 3 1/2" 5/16"</b>	✓
			Spacing .....	<b>EVERY</b>	✓

## 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.
<b>PILLARS</b> , No. of Rows.....					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 .....				
„ „ „ „ „					Thickness of Plating abreast Deck openings in way of Bridge .....				
„ in Holds „ „					Thickness of Plating within line of openings...				
„ „ „ „ „					If Sheathed, material and thickness .....				
<b>Centre Line Bulkhead. IN DEEP TANK FWD.</b>					<b>Third Deck.</b>				
Stiffeners and Spacing.....	8"	3 1/2"	3/8"	✓	Stringer Plate, breadth and thickness.....				
Plating, thickness of BULKHEAD (WASH).....	.42"	To	.30"	✓	If Plated, state thickness.....				
<b>LONGITUDINAL BULKHEAD SIDES IN CARGO TANKS</b>				✓	<b>Fourth Deck.</b>				
<b>STRINGERS AND DECKS. PLATING</b>	.50"	To	.42"	✓	Stringer Plate, breadth and thickness.....				
<b>Uppermost Continuous Deck. STIFFERS LONGITUDINAL</b>	8 1/2"	.82"		✓	If Plated, state thickness .....				
Stringer Plate, breadth and thickness in Wells				✓	<b>Poop Deck.</b>				
„ „ „ „ in way of Bridge				✓	Stringer Plate, <del>breadth and</del> thickness .....	.64"	.48"	.38"	
„ Angle in Wells .....	7"	7"	.82"	✓	Plating, <del>Sheathing, material and</del> thickness ..	.50"	.40"	.24"	
Thickness of Plating abreast Deck openings in way of Wells .....	76"	.66"		✓	<b>Bridge Deck.</b>				
Thickness of Plating abreast Deck openings in way of Bridge .....				✓	Stringer Plate, breadth and thickness.....				✓
Thickness of Plating within line of openings...				✓	Plating, Sheathing, material and thickness ..				✓
If Sheathed, material and thickness .....				✓	<b>Forecastle Deck.</b>				
<b>Second Deck. DEEP TANK FORWARD</b>					Stringer Plate, breadth and thickness.....		.41"		✓
Stringer Plate, breadth and thickness in Wells...	.38"			✓	Plating, <del>Sheathing, material and</del> thickness ..	.27"		.50"	✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>No</i>			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		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 .....	54"	1.00"	1.00"	.86"		DOUBLE	1 1/8"	4"	3	1 1/8"	4 1/2"	DOUBLE STRAPS	
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes ..... 4 .....		.76	.87	.56		"	1"	3 1/2"	5	1	4 1/2	LAPPED	
BILGE PLATING, No. of Strakes ..... 1 .....		.76	.72	.76		"	7/8"	3 1/16"	5	1	4 1/2	"	
SIDE PLATING, No. of Strakes ..... 2 .....		.64	.50	.48		"	7/8"	3 1/16"	3	7/8	3 3/8	"	
UPPER DECK, Sheer-strake <del>in Wells</del> .....	72"	1.00"	.46	.46					3	1 1/8	4 1/2	DOUBLE STRAPS	
UPPER DECK, Sheer-strake in Bridge ...		1.14" AT POOP BREAK											
STRAKE BELOW Sheer-strake <del>in Wells</del> .....	90"	.77"	.46"	.46"		DOUBLE	1"	4"	4	1	4	LAPPED	
STRAKE BELOW Sheer-strake in Bridge ...		BOSS .76											
POOP SIDE PLATING .....			.42"			SINGLE	7/8"	3 1/16"	2	7/8	3 3/8	LAPPED	
BRIDGE SIDE PLATING ...													
FOREC'TLE SIDE PLATING			.46"	ONE PLATE IN WIDTH.					2	7/8	3 3/8	LAPPED	

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)




Deck next below

As per Rule AS APPROVED. 13

## STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>CENTRE TANKS</b>					
<b>MIDSHIP BULKH'D, Upper Deck</b>		✓ 12 × 3½ × 3½ × 43 50	✓ 36"	2 OFF 42" × 40"	✓
"		• 56" - 38			
"		UPPER GIRDER FACE BAR	7 × 3½ × 40 F		✓
"		LOWER " " "	10 × 3½ × 60 F		✓
<b>WING TANKS</b>					
" Second "		✓ 12 × 3½ × 3½ × 42 50	✓ 36"	2 OFF 36" × 40"	✓
" Third "		• 56" - 38			
"		UPPER GIRDER FACE BAR	6 × 3½ × 40 F		✓
"		LOWER " " "	10 × 3½ × 40 F		✓
" Holds .....					
<b>COLLISION</b>					
" (in Hold) .....		✓ 9 × 3½ × 38 F	✓ 36"	2 SEMI-BOX	
"		• 56" - 38		DEEP TANK	7'-0"
"		9 × 3½ × 38 F	✓ 36"	FLAT 2	
<b>AFTER PEAK</b>					
"		• 48" - 34		SEMI-BOX	
"		5 × 3 × 38 F	✓ 36"		

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, <del>KEEL</del> FLAT PLATE.				ABOVE BOSS.
STEM		1 1/4" PLATE → 1 1/3" ✓		
STERN FRAME	Propeller Post	BELOW BOSS → 	1 1/2" ✓	 1 1/4" PLATE ✓
	Rudder	16" ↑  1" PLT ✓	BUILT UP & E.W. → 3/4" ✓	
Speed of Vessel	11 1/2			
RUDDER—Type	STREAM LINED BUILT &	UP PLATES E.W.		
" A x D				
" Diam. of head		11" ✓		
" Mainpiece at top pintle				
" " heel				
" how constructed				
" double <del>single</del> plate coupling, vertical		3/4" ✓		
" <del>horizontal</del>		7 1/2" 5" DIA BOLTS.		

STERN FRAME FABRICATED BY COLVILLE CONSTRUCTION CO. LTD. RUDDER ARMS CAST STEEL BY WOLINGHAM STEEL CELLS. RUDDER FABRICATED BY FURNESS & CO. RUDDER HEAD FORGED STEEL BY WOLINGHAM STEEL CELLS. TILLER AND QUADRANT CAST STEEL BY HILL. WRIGHTSON & CO. LTD. THURMOUTH, LANC.

STEEL.

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

PLATES. - SOUTH DURHAM S. & I. CO. LTD DORMAN LONG & CO. LTD BETHLEHEM STEEL CO.

SECTIONS - CARGO FLEET IRON CO. LTD. DORMAN LONG & CO. LTD. APPLEBY FRIDGINGHAM, SKINNINGROVE, COLVILLES

Has the Steel been tested as required by the Rules?

Rp 1\*. FURNESS S.B. CO LTD N<sup>o</sup> 349.  
**"EMPIRE NUGGET"** PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.				
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Brackets to Bulkheads.	
														Diam.	Speng.		Number.	Diameter.
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Inches.	Inches.		
Framing of <b>L &amp; C</b> .....																		
Frames in Bridge 'tween Decks ...																		
Frames from Uppermost Continuous Deck																		
	No. 1	7"	3 1/2"	.40"	7"	3"	.40"	✓						1"	6"	THROUGHOUT	7 To L	7/8"
	" 2	7"	"	.40"	"	"	"							7/8"	5 1/4"	"	"	"
	" 3	7"	"	.40"	"	"	"							"	"	"	"	"
	" 4	7"	"	.43"	7"	3 1/2"	.43"	✓						"	"	"	"	"
	" 5	8"	"	.36"	8"	3 1/2"	.36"	✓						"	"	"	8 To L	"
	" 6	8"	"	.36"	"	"	"							"	"	8 @ 4"	12 To B	"
	" 7	8"	"	.44"	8"	3 1/2"	.44"	✓						"	"	"	"	"
	" 8	9"	"	.37"	9"	3 1/2"	.37"	✓						"	"	"	9 To L	"
	" 9	9"	"	.37"	"	"	"							"	"	"	14 To B	"
	" 10	9"	"	.41"	9"	3 1/2"	.44"	✓						"	"	8 @ 3 1/6"	"	"
	" 11	10"	"	.40"	10"	3 1/2"	.40"	✓						"	"	"	"	"
	" 12	11"	"	.43"	11"	3 1/2"	.43"	✓						"	"	"	11 To L	"
	" 13	12" x 3 1/2" x 3 1/2"	.42"	.50"	12" x 3 1/2" x 3 1/2"	.42"	.50"	✓						"	"	"	16 To B	"
	" 14	15" x 4" x 4"	.41"	.62"	15" x 4" x 4"	.41"	.62"	✓						"	"	9 @ 3 1/6" 8'-11"	12 To L	"
	" 15	15" x 4" x 4"	.41"	.62"	15" x 4" x 4"	.41"	.62"	✓						"	"	7 @ 3 1/6" 7'-2"	16 To B	"
	" 16	15" x 4" x 4"	.41"	.62"	15" x 4" x 4"	.41"	.62"	✓						"	"	"	18 To B	"
To 22																		
Spacing of Longitudinal Frames		Amidships			At Ends									RIVETS TH THROUGHOUT IN WINGS & CR. TANKS FWD. OF 75 FRAME 4" APART.				
Double Bottoms		Tank Top Longitudinals																
" <b>L</b> or <b>C</b>		Bottom																
Spacing of Longitudinals		Amidships			At Ends...													
Transverses.														Rivets in Lugs to Shell				
In Bridge		Depth and Thickness												Diam.				
Between Decks		Face Angles												Speng.				
		Lugs to Shell*																
In Upper 'tween Decks.		Depth and Thickness																
		Face Angles																
		Lugs to Shell*																
In Hold.		Depth and Thickness																
		Face Angles																
		Lugs to Shell*																
		Back Bars																
		Brackets																
Spacing of Transverse Frames		State if joggled or liners.																
Longitudinal Beams of		Bridge Deck												Spacing.				
<b>L &amp; C</b>		Upper												In Ships.				
		Second												Plate.				
		Third												Angles.				
		As approved.												Plate.				
		Angles.																
IN WAY OF OIL TANKS		8" 3 1/2" .35"			7 6" 3 1/2" 7/8" APT.									3'-0"				
														Transverse Beams.				
														27" x 40" 5" x 3 1/2" x 40"				
														© 2020				

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., 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, etc., on the first page.

EQUIPMENT No ✓												LETTER ✓ .et		ANCHORS. 2, B. 1, S.		
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.	Cwts.				
42055	1st Bower ...	85	3	0		✓		61	10	0	0	85-2-0 ✓	BYERS STOCKLESS	✓	SUNDERLAND 16.6.42 W.V.N.	
41977	2nd „ ...	85	3	0		✓		61	10	0	0	85-2-0 ✓	“ “	✓	“ 30.5.42 W.V.N.	
	3rd „ ...															
	Collective weight.	171	2	0								171-0-0 ✓				
55141	Stream .....	25	0	21	✓	6	1	0	24	19	1	14	25-0-0 ✓	COMMON STOCK.	✓	CRADLEY HEATH 7.7.42 S.C.P.

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.	Statutory.	Break-ing.	Supplied.		Per Rule.		Length.	Diam.					Length.	Ins.		Length.	Ins.	Tons.
	Fathoms.	Ins.	Tons.	Tons.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
116854	120	2 9/16	116.7	163 3/8	396-0-21		989-0-0		300	2 9/16	STUO LINK	EQUIPMENT AS PER LETTER.	NETHERTON 27-5-42	J.A.R.	TOWLINE ...	130	5 1/4	77.5	130	5 1/4
18813	15	2 9/16	116.7	163 3/8	51-1-7			✓	✓	2 9/16	"	14-12-40.	LOW WALKER 17.10.42	A.G.		HAWSERS & WARPS }	2	100	2 3/4	2 0
116855A	105	2 9/16	116.7	163 3/8	346-2-25			✓	✓	2 9/16	"		NETHERTON 19.6.42.	J.A.R.	"		2	100	2 3/4	2 0
		Or.			TOTAL	794.0-25		✓		Or.										
Iron Stream Chain or Steel Wire	120	4 1/2			58-6	STEEL	WIRE		120	4 1/2	6/24 STEEL WIRE.				"					

Steering Gear, Steam **DONKIN & CO LTD TELE MOTOR GEAR.** **ALTERNATIVE** Steering Gear, **Blocks & TACKLE LEO TO WINCH ON POOP DECK.**

Boats **2 STEEL LIFEBOATS. 24'0" x 8'0" x 3'4".** Steering Chains, Size and Test. **NONE FITTED** Windlass **CLARKE CHAPMAN**

**2 STEEL MOTOR LIFEBOATS. 24'0" x 8'0" x 3'5".**

Ceiling in Holds, thickness and material **NONE FITTED.** Cargo Battens, thickness, material and spacing **NONE FITTED.**

**STEEL COAMINGS 8" x 50" N:1 2'6" x 44"** **STEEL D.T. COVERS .50"**

Cargo Hatchways.—(Upper Deck) **18 OFF TO CARGO TANKS 5'3" x 4'0" OILTIGHT** Thickness of Hatches **N:1 " W.T. " .36 STIFFER 6'3" x 5'16"**

Size of No. 1 Hatchway (Forward) **12'0" x 8'0"** No. 2 ☒ No. 3 ☒ No. 4 ☒ No. 5 ☒ No. 6 ☒

Number of Shifting Beams and/or Fore and Afters ☒

Builder's Signature *Jmc Govern* **FOR FURNESS SHIPBUILDING CO., LTD.** 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 **YES.**

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo ☒ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point. **Fitted for Oil Fuel Flash point above 150°**

**Double bottom in Boiler space and Cross Bunker.**

The vessel has been built in accordance with the approved plans, The Secretarys letters and in general conformity with the Societys Rules and Regulations for the class contemplated.

The main cargo tanks, cofferdams, oil fuel tanks, double bottom tanks in engine and boiler space, forward deep ballast tanks, fore and after peak tanks have been tested to rule requirements with satisfactory results.

The weather decks clear of the oil-tanks, watertight doors etc, have been tested with water from a hose and found tight.

Steam and auxiliary steering gear, windlass and winches, have been tested under working conditions and found satisfactory. The freeboard markings have been cut in and verified. The workmanship and materials are good.

The amount of Entry Fee ..... £ **11 : 0 : 0** Fees applied for, (Special notations, where part of class, to be stated.)

Special Survey Fee.... £ **667-15-3** **23/11/1942**

**FREEBOARD. 20 0 0** Received by me, 19.

Travelling Expenses, if any £ : : 19.

**SUPERVISION OF SPECIFICATION 166-18-9.**

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

I am of opinion the Vessel should be Classed **100A1** carrying Petroleum in bulk. Longitudinal Framing. Fitted for Oil Fuel Flash point above 150°.

Signature *G. B. Scorer* **H. B. Young.** Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to **Middlesbrough** Date of issue **16/12/42**

**W. Haslepool**

**FRI. 27 NOV 1942**

Committee's Minute

Character assigned **+100A1**

**Carrying petroleum in bulk**

**Lloyd's arch**

**Ex. E.S.D.**

**Ex. 11.4.2**

**Fitted for oil fuel 11.4.2 H above 150°**

**20, C.S.**

**note for S.R.L.**

**Write H.R.**

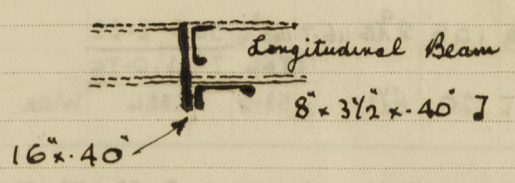
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GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

REPORT N°	17239	EMPIRE	DICKENS	FURNESS	S. B. CO LTD	N° 341.
"	17276	"	NORSEMAN	"	" " " "	N° 342.
"	17323	"	LYTTON	"	" " " "	N° 343.
"	17347	"	GRENADIER	"	" " " "	N° 344.

Stern Post reinforced at top as per our letter to Mr. Potts 15<sup>th</sup> April 1942.

Ginder fitted under Dynamo Flat Nos 13 to 18.  
as in all previous sister ships N°s 341-2-3-4.



Additional stiffening fitted on after cofferdam Bulkhead N° 44 A.  
Stiffeners increased from 9" to 10" BA. @ 6' 9" 15' 18' & 21' from E P&S  
and 12" C struts fitted from Bulkhead N° 44 A to Oil Fuel Bunker Bulkhead N° 44  
in line with deep tank top in Boiler Space, @ 6' 18' & 21' from E of ship P&S

Particulars of Electric Welding.

Stern Frame and Rudder Electrically Welded.

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

Direction Finding apparatus; Echo sounding Apparatus, (provision made but not fitted.)  
bruiser Stern.

Particulars of <b>Drop Test</b> of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	<sup>C-A-17</sup> 49-2-17	I.D.	3888	13.12.41.
	2nd „	49-2-0	I.D.	3887.	13.12.41.
	3rd „				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 108.54 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 38.90' ft.  
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks 1. DK. (STL). OVERALL LENGTH 503'-10"  
Official No. 164860.; Signal Letters  
Is bottom of vessel coated with cement FORE & AFTER PEAKS, CEMENT CEMENT FILLETS IN FEED TANK if not given  
particulars of ~~\_\_\_\_\_~~ CARGO & OIL FUEL TANKS BARE. COFFERDAMS CEMENT WASHED. PUMP ROOM PAINTED

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	28'-7 3/4"	335
Double bottom, under Engines and Boilers,			After peak tank,	17-3	201
Double bottom, if under Engines only,	55'-3"	104	Deep tank, aft,		
Double bottom, if under Boilers only, O.F. BUNKERS	27'-6"	416	Deep tank, forward,	31-1	647
Double bottom, forward,			Other tanks, if fitted,		
TOTAL LENGTH (IF CONTINUOUS)	82'-9"	Total capacity of double bottom 520	(If necessary, furnish further information by sketch.)		

\*The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 1545

Date 4/11/41.

Dates of Surveys held while building

1941. Jan. 24. 1942. Feb. 14. 24. March 12. 19. 29. April 15. 21. May 5. 29. June 4. 10. 16. 19. 22. 25. July 8. August 6. 10. 11. 19. 21. 22. 26. 28. 29. 31. Sept. 1. 2. 3. 4. 5. 9. 10. 11. 14. 15. 16. 21. 22. 23. 24. 25. 26. 28. Oct. 4. 14. 16. 21. 22. 23. 26. 30. Nov. 2. 4. 6. 9. 10. 12. 13. 14.

Lloyd's Register Foundation

Total No. of Visits 61.