

## STEEL STEAMER MOTORSHIP.

Received at London Office. 4 NOV 1943

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

State if Report is sent on the Machinery of the Vessel

Date of completion of report

1<sup>st</sup> Nov 1943.

Port of

Belfast and Glasgow

No. 13560

Survey held at

Belfast and Glasgow

Date First Survey

July 9<sup>th</sup> 1942

Last Survey

28<sup>th</sup> 6/194

1942

On the

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

Single Screw Motor Yanker EMPIRE TRAVELLER (mach<sup>y</sup> aft)

State Type

(Full Scantling, Complete Superstructure)

Full Scantling

State Type of Erections

Prop. Br. Yell

TONNAGE under Tonnage Deck ...

7229.82

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

Total

7229.82

Gross Tonnage

8201.35

Register Tonnage

4773.06

## REGISTERED DIMENSIONS.

FEET

Length

465.6

Breadth

59.5

Depth

33.95

CLASS +100A1. carrying Petroleum as condition of Class

No

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

L 460

Breadth (greatest moulded)

B 59

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

D 34

1st Longitudinal Number (L x D)

15640

2nd Numeral L x (B + D)

42780

Framing Depth "d," at middle of length. See Sec. 3 (1d)

✓

Proportions—Depth to Length—Uppermost continuous deck to top of keel

13.52

Do. Long Bridge to top of keel

✓

Draught Moulded

27-4 1/4

Built at

Belfast (completed at Glasgow)

Launched

29<sup>th</sup> June 1943

Yard No. 1189

Builders

Harland &amp; Wolff Ltd

Owners

Ministry of War Transport

Managers

Eagle Oil Co. Ltd

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry

Belfast

If surveyed while building, afloat, or in dry dock

building 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.....	31 1/2		Bracket Floors, Frame.....	✓	
"    "    from 1/2 length amidships to Collision bulkhead.....	27		"    "    Reversed Frame.....	✓	
"    "    in peaks.....	24		"    "    Vertical Struts.....	✓	
* SIDE FRAMING.			Centre Girder, depth and thickness amidships	60 1/2 x 5 1/2 x 46	✓
Frame Amidships, Angle, E or L	10 3 1/2 7/16	✓	"    "    top Angles.....	4 4 9/16	✓
"    "    Extends up to.....	11 3 1/2 7/16	✓	"    "    bottom Angles.....	4 4 9/16	✓
Reversed Frame Amidships, Angle.....	✓		"    "    2 5 1/2 x 42	✓	
"    "    Extends up to.....	✓		Side Girders, No. each side and thickness.....	✓	
Depth of Framing Girder.....	10		Margin Plate depth (excl. of flange) and thickness.....	54	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ].....	✓		"    "    Vertical Angle to Tank side Bracket abaft 1/2 len. from stem.....	6 6 50	✓
"    "    Second 'tween Decks, Angle, [ or ].....	✓		"    "    Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area.....	✓	
"    "    Third.....	✓		"    "    Gussets, spacing and scantling abaft 1/2 len. from stem.....	✓	
"    "    from 1/2 len. for'd. to 15% len. from Stem.....	11 3 1/2 4 1/4	✓	"    "    Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area.....	✓	
"    "    in Peaks, Angle or [.....	8 3 1/2 7/16	✓	Tank Side Brackets, height above base line at toe of Frame and thickness.....	46 ft 3"	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships.....	7/8 x 4 7/8	✓	INNER BOTTOM PLATING. welded under engine		
State if Frame Joggled.....	Yes		Breadth and thickness of Middle Line Strake.....	1 1/8	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?.....	as app	✓	Thickness of remainder in Holds.....	.52	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	as app	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. <del>or</del> space and framing in O-F Bunkers and Boiler Room?.....	as app	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds.....	See		Uppermost Continuous Deck, amidships in way of poop.....	8 3 1/2 7/16	✓
Height of Brackets at side above base line at toe of frame.....	See		"    "    Wells, Angle, E or L.....	8 3 1/2 7/16	✓
Middle Line Keelson, on Floors, Angles, [ or ].....	Long framing plan		"    "    in way of Bridge, Angle, E or L.....	every	✓
"    "    Through Plate or Inter-costal Plate.....	✓		"    "    Spacing.....	every	✓
"    "    Foundation Plate on Floors.....	✓		Second Deck, amidships, Angle, E or L.....	8 3 1/2 437	✓
"    "    Flat Plate Keel Angles.....	✓		"    "    Spacing.....	9 3 1/2 437	✓
Side Keelsons, No. each side.....	✓		"    "    deep tank top.....	8 3 1/2 7/16	✓
"    "    thickness of Inter-costal Plate.....	✓		"    "    Spacing.....	every	✓
"    "    Angles.....	✓		Fourth Deck, amidships, Angle, [ or ].....	✓	
DOUBLE BOTTOM. in motor space			"    "    Spacing.....	✓	
Solid Floors, thickness and spacing.....	46 x 3 1/4, 30 1/4	✓	Poop Deck, Angle, E or L.....	8 3 1/2 35	✓
"    "    Are Frame and Reversed Frame joggled?.....	Yes	✓	"    "    Spacing.....	every	✓
Bracket Floors, breadth and thickness at middle line.....	✓		Bridge Deck, Angle, E or L.....	8 3 1/2 437	✓
"    "    breadth and thickness at margin plate.....	✓		"    "    Spacing.....	every	✓
			Forecastle Deck, Angle, E or L.....	10 3 1/2 7/16	✓
			"    "    Spacing.....	9 3 1/2 7/16	✓



## 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 .....				Stringer Plate, <del>breadth and thickness in way of Bridge</del> <i>forward</i> .....		36	
" in 'tween Decks, Size and Spacing .....		Two		Thickness of Plating abreast Deck openings <del>in way of Wells</del> <i>aft</i> .....		36	
" " " " " "		long?		Thickness of Plating <del>abreast Deck openings in way of Bridge</del> <i>forward</i> .....		34	
" in Holds " " " "		Bulkheads		Thickness of Plating within line of openings...		✓	
" " " " " "				If Sheathed, material and thickness .....		✓	
" Long " " " " "				Third Deck. <i>deep tank top</i>			
Centre Line Bulkhead. 11 ft P.O.S. Ba		10 3 1/2 7/16	✓	Stringer Plate, breadth and thickness .....		42	
Stiffeners and Spacing		3 1/4	✓	If Plated, state thickness .....		38	
2 hor. girders 30" x 42" 26' x 40"		42 Vert	✓	Fourth Deck.			
Plating, thickness of				Stringer Plate, breadth and thickness .....		✓	
<i>welded direct to shell.</i>				If Plated, state thickness .....		✓	
STRINGERS AND DECKS.				Poop Deck.			
Uppermost Continuous Deck.				Stringer Plate, <del>breadth and thickness</del> .....		34	
Stringer Plate, breadth and thickness in Wells		97 x 87, 80	✓	Plating, Sheathing, material and thickness ...		26	
" " " " in way of Bridge		97 x 87	✓	Bridge Deck.			
" Angle in Wells <i>of main welded to sheer strakes</i>				Stringer Plate, <del>breadth and thickness</del> .....		43	
Thickness of Plating abreast Deck openings <del>in way of Wells</del> <i>cf. continuous strakes</i>		.76	✓	Plating, <del>Sheathing, material and thickness</del> .....		34	
Thickness of Plating abreast Deck openings <del>in way of Bridge</del> .....		✓		Forecastle Deck.			
Thickness of Plating within line of openings <i>cf. in way of O.T. hatches</i>		.58	✓	Stringer Plate, <del>breadth and thickness</del> .....		37	
If Sheathed, material and thickness .....		no	✓	Plating, <del>Sheathing, material and thickness</del> .....		36	
Second Deck. <i>aft</i>							
Stringer Plate, <del>breadth and thickness in Wells</del>		40	✓				

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
Flat Plate Keel.....	57	.96	.78	.78		double	1	4	five	1 1/8	4 1/2	lapped
„ Dblg. (if any)												
Bottom Plating, No. of Strakes ..... 4 }		.67	.64	74 50	50	double	7/8	3 1/2	four	7/8	3 1/2	lapped
Bilge Plating, No. of Strakes ..... one }		.64	.50	.50		double	7/8	3 1/2	four	7/8	3 1/2	lapped
Side Plating, No. of Strakes ..... 3 }		.64	.50	.50		double	7/8	3 1/2	four	7/8	3 1/2	lapped
Upper Deck, Sheer- strake in Wells.....	67	1.07	.50	.50		-	-	-	five	1 1/8	5	lapped
Upper Deck, Sheer- strake in Bridge ...	67	1.07	.50	.50		-	-	-	five	1 1/8	5	lapped
Strake below Sheer- strake in Wells.....	84	.76	.50	.50		double	1	4	four	1	4	lapped
Strake below Sheer- strake in Bridge ...	84	.76	.50	.50		double	1	4	four	1	4	lapped
Poop Side Plating.....				40		one strake			two	3/4	2 7/8	lapped
Bridge Side Plating.....		.43				one strake			two	3/4	2 5/8	lapped
Forecastle Side Plating			.43			one	3/4	3	one	3/4	2 7/8	lapped

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c).....	17 ✓
„ Deck next below.....	✓
As per Rule.....	<i>ordinary cargo</i> 7

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	flat keel			
STEM	rolled	10 1/4	2 3/4	
STERN FRAME	{ Propeller Post ..... { Rudder .....	cast plate	as app <sup>d</sup>	Beardmore
Speed of Vessel			19 knots	See ENGINE FLETCHER
RUDDER—Type		Simplex type		Beardmore
" A x D.		rudder, double		
" Diam. of head		plate, built		
" Mainpiece at top pintle		cast steel frame		
" " heel		forged stock		
" how constructed		semi balanced		
" double or single plate		as app. dia 8		
" coupling, vertical or horizontal		stock	11"	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open heart - S.M.*  
*Bolwill's ; South Durham ; Lanarkshire Steel Co*

Has the Steel been tested as required by the Rules ? *Yes*



## 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.	
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.	Number.		Diameter.	
Framing of L, L or C .....																		
Frames in Bridge 'tween Decks ...																		
Frames from Uppermost Continuous Deck to Centre Girders No. 1																		
	" 2																	
	" 3																	
	" 4																	
	" 5																	
	" 6																	
	" 7																	
	" 8																	
	" 9																	
	" 10																	
	" 11																	
	" 12																	
	" 13																	
	" 14																	
	" 15																	
	" 16																	
Spacing of Longitudinal Frames																		
Amidships 1-4																		
At Ends 6-9																		
Double Bottoms L, L or C																		
Tank Top Longitudinals																		
Bottom																		
Spacing of Longitudinals																		
Amidships																		
At Ends...																		
Transverses.																		
In Bridge 'tween Decks																		
Depth and Thickness																		
Face Angles																		
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 L, L or C																		
Bridge Deck																		
Upper																		
Second																		
Third																		

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.



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.		
43056	1st Bower	73	3	0	✓				55	15	0	0	✓	73 3/4	Byen Imp. Steadlers	W. P. Byen & Co	Sunderland 30/1/43 Vogan
43162	2nd "	73	3	21	✓				55	15	0	0	✓	73 1/2	C. S. head	do	do 16/2/43 Vogan
	3rd "													73			
	Collective weight													219 1/2			
1847	Stream	22	0	0		5	2	14	22	7	2	0	✓	22 ex stock	Rogers & Co. W. I.	Hingley	Neth. 30/1/43 Reef

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.	Tons.	Length.	Ins.
3254	120	2 7/16	106 5/16	149 5/16	358-0-14	412.2			300	2 7/16	stud	Hingley	Neth. 4/12/43 Reef	TOWLINE	130	5 1/4	77 1/2	130	5 1/4
3253	120	2 7/16	106 5/16	149 5/16	358-1-14	416.2-0					2 7/16	stud	Hingley	Neth. 7/12/43 Reef	HAWSERS & WARPS	4 off		4 off	
															100	2 3/4	15 3/4	100	2 3/4
Iron Stream Chain or Steel Wire	120	5							120	5	6x12		Makes test						

Steering Gear, Type (Power or hand) *Haslie's steam hydraulic* Alternative Means of Steering *Blocks & tackle to after wheel*

Steering Chains (Size and Test) *telemotor control* Windlass *steam efficient* Boats *H*

Ceiling in Holds, thickness and material *none* Cargo Battens, thickness, material and spacing *none*

Cargo Hatchways.—(Upper Deck) *steel O.T. hatchways 3/4"* Thickness of Hatches *40 steel O.T. covers*

Size of Hatchways No. 1 (Fwd.) *8x8* No. 2 *27 O.T. hatches 4'0" circular fabricated* No. 3 No. 4 No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters *none*

Builder's Signature *A. Marshall*

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 *motor ship*

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *oil tanker* 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).

*Oil fuel is carried in bunkers situated at fore side of motor space, in deep tank forward of forward cofferdam and in double bottom under engines. Oil cargo is carried in 27 compartments between forward and after cofferdam, separated into three groups by two pump rooms.*

*This vessel has been built in accordance with the approved plans, the Secretary's letter and the Rules of the Society. The material and workmanship are good. All cargo tanks, oil fuel bunkers, deep tank forward, fore and after peak tanks, fresh water tanks, double bottom compartments in motor space and cofferdams have been tested to Rule requirements and found satisfactory. Steering gear and windlass tested under working conditions and found satisfactory. Weather decks and W.T. bulkheads have been satisfactorily tested. Bilge pumping arrangements tried and found in order. Deckboard varnished and cut in.*

The amount of Entry Fee..... £ 11 : 0 : 0

BELFAST ACCOUNT.

Special Survey Fee..... £ 607 : 10 : 9

FREEDOM

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

SPECIFICATION (945 Acc) 151 17 8

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

Fees applied for, 2 NOV 1943

Received by me, 19

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

We are

of opinion the Vessel should be Classed *+100 A-1.*

*Carrying petroleum in bulk. Long framing at bottom & decks*

Signature *W. P. Balfour* *W. J. Pyle*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Belfast Glasgow* Date of issue *15/12/43*

Committee's Minute *GLASGOW* 2 NOV 1943

Character assigned *+100 A-1 10.43.*

*Carrying Petroleum in bulk.*

*Long Framing at bottom & decks.*

*Lloyd's H.C.P.*

Note: *Built*

*+LMC 10.43. Oil tank.*

*2 D.A. 150 lb.*

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Lloyd's Register Foundation

0291 313



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.)

This vessel is a sister vessel to the same Builder Empire Benefic, No 1164,  
Empire Bombardier No 1158 etc

The following forging and casting reports are enclosed

Stern frame; back post; rudder stock; rudder castings. Teller (5 certificates)  
also certificates for mast & demurels & fabricated circular O.T. hatches (3 certificates)

THE FOLLOWING CARRIED OUT AT GLASGOW:—  
Boring to the water up.  
Bilge & ballast pumping completed  
Drilling & sanding hips completed  
Small hatches completed.

The above steering gear & bilge pumping tried & found satisfactory, & record verified, marks cut in & certificates issued, anchor & cables also steering gear tried under working conditions & found satisfactory.

Equipment:— War emergency requirements complied with

SPECIFICATION:— Requirements of specification carried out.

PARTICULARS OF ELECTRIC WELDING (if employed)

Upper deck stringer welded to sheer trake, side stringers welded to shell throughout; horizontal girders welded to bulkheads; gussets and brackets part welded. Bilge Keel, web plate riveted to steel flat, flat welded to shell; angle bruts & corners welded for air tightness; also minor and non structural items. Long bulk at bottom welded to shell; transverse & transverse bulkheads, both in central tanks only welded to bottom shell bruts & upper deck

SPECIAL NOTATIONS:—

Either as part of the vessel's class or for record in the Register Book oil engine; machinery aft, cruiser stern, D.F.; E.S.D.

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

1st Bower 10t + pins 50-2-0 J.H.J. (Nuc) No 5336 18.11.42  
2nd „ 50 50-1-7 J.H.J. (Nuc) No 5318 6.11.42  
3rd „

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 93 ft., R.Q.D. ft., Bridge 46 ft., Forecastle 51 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 168530 Signal Letters Extreme Breadth over Belting no belting Over-all Length 483.  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks one deck steel and second deck steel clear of oil tanks

Parts of Bottom of Vessel coated with cement or approved composition none

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft, under engines	Feet. 69.5	Tons 160	Fore peak tank,	Feet.	Tons 150
Double bottom, under Engines and Boilers,			After peak tank,		88
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	24.7	291
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. 916

Date 4/5/42.

Dates of Surveys held while building

1942. July 9. Aug 14, 17, 18, 20, 25, 26, 27, 31. Sept. 1, 2, 3, 4, 7, 8, 10, 11, 15, 18, 21, 23, 24, 29  
Oct 3, 5, 6, 7, 12, 14, 15, 19, 20, 22, 23, 26, 29, 30 Nov 3, 4, 5, 6, 9, 10, 13, 16, 17, 18, 20, 23, 24, 25  
26, Dec 1, 11, 18, 23. Jan 4, 6, 7, 11, 13, 15, 18, 22, 29. Feb 3, 4, 8, 10, 22, 23, Mar 1, 5, 8, 9, 17, 19, 23, 25, 29, 30  
31 Apr 1, 5, 6, 7, 12, 15, 16, 17, 19, 21, 23, 29 May 1, 3, 4, 5, 6, 10, 12, 15, 17, 20, 21, 24, 31. June 1, 2, 3, 4, 7, 8, 10, 14, 16, 17, 18, 19, 21, 22,  
23, 24, 25, 26, 28, 29, 30. July 3, 7, 8, 9, 14, 17, 21, 24  
GLASGOW DATES (1943) Aug. 20, 25, 26, 27, 30 Sept. 2, 7, 9, 14, 16, 17, 20, 22, 24, 28, 30, Oct. 6, 8, 12, 14, 15, 18, 19, 20, 21, 22, 23, 26, 27, 28  
Total No. of Visits BEL 135  
GLS 230  
TOTAL 365