

Rpt. 1.

STEEL STEAMER or MOTORSHIP

Received at London Office

WRECK
SECTION

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 of completion of report

Survey held at Walker-on-Syne

Date First Survey

5 July 1940

Last Survey

1941

On the

Single Screw "EMPIRE FOAM"

State Type

Complete Superstructure without Tonnage opening

State Type of Erections

Forecastle

TONNAGE under Tonnage Deck

6589.13

CLASS +100 A.I. with Freeboard

State if with freeboard as condition of Class

yes

Built at Walker-on-Syne

Launched 13th March 1941 Yard No. 1694

Builders Messrs. S. & H. Wigham

Richardson & Co.

Owners Ministry of Shipping

Managers F. Carrick & Co. Ltd.

(Where necessary to be entered in Reg. Book.)

Residence Hillman House, Newcastle-on-Syne

Port of Registry Newcastle

If surveyed while building, afloat, or in dry dock

yes

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

Total

Gross Tonnage 7047.03

Register Tonnage 5178.32

REGISTERED DIMENSIONS.

FEET.

Length 432.5

Breadth 56.25

Depth 34.25

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

L 425'-0"

Breadth (greatest moulded)

B 56'-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'-10"

1st Longitudinal Number (L x D)

= 15193.75

2nd Numeral L x (B + D)

= 38993.75

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

23.9

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

11.55

Do. Long Bridge to top of keel

Draught Moulded 26'-1 3/8"

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" ✓		Bracket Floors, Frame	6 3 1/2 7/16 B.A. ✓	
" " from 1/2 length amidships to Collision bulkhead	27" ✓		" " Reversed Frame	6 3 1/2 7/16 B.A. ✓	
" " in peaks	24" ✓		" " Vertical Struts	6 3 1/2 7/16 B.A. ✓	
DE FRAMING.			Centre Girder, depth and thickness amidships	43 1/4 x 8 1/4 ✓	
Frame Amidships, Angle, E or F	12 3 1/2 9/16 ✓		" " top Angles	4 4 1/2 ✓	
" " Extends up to	2nd Deck ✓		" " bottom Angles	4 4 9/16 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One x 38" ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	5 1/4 ✓	
Depth of Framing Girder	12" ✓		" " Vertical Angle to Tank side	6 1/2 x 6 1/2 x 62 1/2 T bar ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	56 3 1/2 7/16 ✓		" " Bracket abaft 1/2 len. from stem	6 1/2 x 6 1/2 x 62 1/2 T bar ✓	
" " Second 'tween Decks, Angle, E or F	8 3 1/2 7/16 ✓		" " Vertical Angle to Tank side	6 1/2 x 6 1/2 x 62 1/2 T bar ✓	
" " Third " "	12 3 1/2 9/16 B.A. ✓		" " Bracket from forward 1/2 len. from stem to Panting Area	Continuous - 42 ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	With 4 x 4 x 80 Rev. all frames ✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	02 - 42 ✓	
" " in Peaks, Angle, E or F	8 3 1/2 35" ✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	6'-5" ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
State if Frame Joggled	yes ✓		INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes ✓		Breadth and thickness of Middle Line Strake	82 x 50 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes ✓		Thickness of remainder in Holds	44 ✓	
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?	yes ✓	
Floors, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships	8 3 1/2 35" ✓	
Middle Line Keelson, on Floors, Angles, E or F			" " in way of Bridge, Angle, E or F	10 3 1/2 47 1/2 ✓	
" " Through Plate or Intercoastal Plate			Spacing	Every frame ✓	
" " Foundation Plate on Floors			Second Deck, amidships, Angle, E or F	12 3 1/2 45" ✓	
" " Flat Plate Keel Angles			Spacing	9 3 1/2 37 1/2 ✓	
Side Keelsons, No. each side			Third Deck, amidships, Angle, E or F	✓	
" " thickness of Intercoastal Plate			Spacing	✓	
" " Angles			Fourth Deck, amidships, Angle, E or F	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	42" every 3rd frame ✓		Poop Deck, Angle, E or F	✓	
" " Are Frame and Reversed Frame joggled?	yes ✓		Spacing	✓	
Bracket Floors, breadth and thickness at middle line	2'-8 1/4" x 42" ✓		Bridge Deck, Angle, E or F	✓	
" " breadth and thickness at margin plate	2'-8 1/4" x 42" ✓		Spacing	✓	
			Forecastle Deck, Angle, E or F	8 3 1/2 7/16 ✓	
			Spacing	7 3 3/8 ✓	
				6 3 1/2 7/16 ✓	
				Every frame ✓	

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, breadth and thickness in way of Bridge	✓		
„ in 'tween Decks, Size and Spacing.....	✓			Thickness of Plating abreast Deck openings) in way of Wells .....	.36 ✓		
„ „ „ „ „	✓			Thickness of Plating abreast Deck openings) in way of Bridge	✓		
„ in Holds „ „	✓			Thickness of Plating within line of openings...	.34 x .32 ✓		
„ „ „ „ „	59 3 1/2 .375 B.A. ✓ 12 3 1/2 .48 B.A. ✓			If Sheathed, material and thickness	1/2" Composition over accommodation. ✓		
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing.....	alt. frames ✓			Stringer Plate, breadth and thickness.....	✓		
Plating, thickness of .....	.30 ✓			If Plated, state thickness.....	✓		
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	66 x .66 ✓			If Plated, state thickness	✓		
„ „ „ „ in way of Bridge	✓			Poop Deck.			
„ Angle in Wells	6 6 5/8 ✓			Stringer Plate, breadth and thickness	✓		
Thickness of Plating abreast Deck openings) in way of Wells .....	.63 ✓			Plating, Sheathing, material and thickness ...	✓		
Thickness of Plating abreast Deck openings) in way of Bridge	✓			Bridge Deck.			
Thickness of Plating within line of openings...	.40 x .38 ✓			Stringer Plate, breadth and thickness.....	✓		
If Sheathed, material and thickness	✓			Plating, Sheathing, material and thickness ...	✓		
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	72 x .40 ✓			Stringer Plate, breadth and thickness.....	.36 ✓		
				Plating, Sheathing, material and thickness ...	.32 x .36 ✓		

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>No</i>	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	52	.78	.68	.68		2R	7/8	3 1/2	4R & 3R	7/8	3 1/8	Lapped	
„ DBLG. (if any)	✓	✓	✓	✓		-	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes ... 4	<i>A 78</i> <i>B 70</i> <i>C 69 1/2</i> <i>D 69 1/2</i>	.63	.69	.50		2R	7/8	3 1/2	4R & 3R	7/8	3 1/8	Lapped	
BILGE PLATING, No. of Strakes 1	80	.63	.50	.50		2R	7/8	3 1/2	4R & 3R	7/8	3 1/8	Lapped	
SIDE PLATING, No. of Strakes ... 4	<i>E 78 1/2</i> <i>F 78 1/2</i> <i>G 78</i> <i>H 78</i>	.62	.46	.46		2R	7/8	3 1/2	3R	7/8	3 1/8	Lapped	
UPPER DECK, Sheer-strake in Wells	58	.69	.50	.46		2R	7/8	3 1/2	4R & 3R	7/8	3 1/8	Lapped	
UPPER DECK, Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer-strake in Wells	58	.64	.46	.46		2R	7/8	3 1/2	4R & 3R	7/8	3 1/8	Lapped	
STRAKE BELOW Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
FOREC'TLE SIDE PLATING	✓	✓	.40	✓		1R.	3/4	3	1R.	3/4	2 5/8	Lapped.	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—							Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Extending to Upper Deck (Sec. 3 c)		Six		Coll:	1					
,, Deck next below		One			6					
As per Rule		Seven		5 dirie. W.T. BHDS						
STIFFENERS.										
		Plating Thickness.	VERTICAL.		HORIZONTAL.					
			Scantlings.	Spacing.	Scantlings.	Spacing.				
MIDSHIP BULKHD.,	Upper tween decks	.26	6 x 3 1/2 x 3/8	30"	✓	✓	✓			
"	" Second "	✓	r	✓	✓	✓				
"	" Third "	✓	B.A.	✓	✓	✓				
"	" Holds .....	.40 .26	12 x 3 1/2 x .45 12 x 4 x 4 x 3/4	45" 60"	✓ 30"	✓	✓			
COLLISION	(in Hold) .....	.84 to .26	6 x 3 1/2 x 3/8	A 24"	✓	✓	✓			
AFTER PEAK	" " .....	.48 to .30	7 x 3 x .33	B.A. 24"	✓	✓	✓			
KEEL, Bar							✓			✓
STEM							Forging steel plates	10' x 2 1/2" x 5/8" - 60'	✓	
STERN FRAME { Propeller Post							Cast	13' x 10 3/4" Steel Co.		
{ Rudder "							steel	as approved Scotland		
Speed of Vessel ...							10 1/2 knots			
RUDDER—Type							Fabricated	as approved.		
" A x D							5' 7 1/2"			
" Diam. of head							Forged steel.	11 5/8"	Walsingham Steel Co. Ltd.	
" Mainpiece at top pintle }								Dorman Long & Co. Ltd.		
" " heel ... }							as approved			
" how constructed										
" double or single plate coupling, vertical or horizontal .....								.50"		
"							yes			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Connell Iron Co. Ltd.*
South Onkane Steel & Iron Co. Ltd. Dorman Long Co. Ltd. Affleby Hooghly Steel Co. Ltd. Skinning Iron Co. Ltd.
Cargo Fleet Iron Co. Ltd. British Iron & Steel Corp. Ltd. Llanwethney Steel Co. Ltd. Ramm Co. Ltd. Colville Ltd.
 Has the Steel been tested as required by the Rules? *Yes.* *Bethlehem Steel Co.*

EQUIPMENT No 40052.75										LETTER	a.	ANCHORS.	
Number of Certificate.	Anchors.	WEIGHT, B. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.		
40389	1st Bower ...	68	0	11	-	-	-	52	15	2	14	Ayers Improved stockless	L.P.H.S. 21/1/40. W.V. Norman
40385	2nd " ...	68	0	10	-	-	-	52	15	2	14	D ^o	L.P.H.S. 20/1/40. W.V. Norman.
	3rd " ...												
	Collective weight.												
99538	Stream	19	1	18	5	0	0	20	6	1	0	ordinary tagged wire line	S. Taylor & Son, L.P.H.N. 19/1/41. J. A. Relf.

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.	Stain- tory.	ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.	
	Fathoms.	Ins.	Tons.	Tons.	Owts.	qrs.	lbs.	Owts.	Fathoms.	Ins.			Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
112925	225	2"	100 4/5	141 1/5	486	3	6		270	2	Jayco Stud. (Brindley Hill) Ltd.	L.P.H.N. 3/1/41. J.A. Relf.	TOWLINE...	120	4 3/4	64.6	120	4 3/4
116176	15	2	100 4/5	141 1/5	32	1	7		D ^o	D ^o	L.P.H.N. 19/4/41. J.A. Relf.	HAWSERS & WARPS	2090	2 3/4	15.2	2090	2 3/4	
116177	15	2	100 4/5	141 1/5	32	0	14		D ^o	D ^o	L.P.H.N. 29/4/41. J.A. Relf.							
116178	15	2	100 4/5	141 1/5	32	1	7.		D ^o	D ^o	L.P.H.N. 29/4/41. J.A. Relf.		"	2090	2 1/2	13.2	2090	2 1/2
	370																	
Stream Chain or Steel Wire	90	5	✓	52.8	✓			✓	✓	6 1/2	R. Hood Haggie & Son, Ltd.			✓	✓	✓	✓	

Steering Gear, Type (Power $\frac{1}{2}$ hand) *Steam by Donkin & Co.* Alternative Means of Steering *Blocks & tackle from Steam Winch.*

Steering Chains (Size and Test) *over bilge* Windlass *Steam by Emerson & Walker* Boats

Ceiling in Holds, thickness and material *2 1/2 W. Pine.* Cargo Battens, thickness, material and spacing *cleats fitted - no sparring supplied. X*

Cargo Hatchways.-(Upper Deck) *Steel plates and angles* Thickness of Hatches *3" & 2 1/2"*

Size of Hatchways No. 1 (Fwd.) *31'6" x 20'0"* No. 2 *31'0" x 20'0"* No. 3 *12'11" x 20'0"* No. 4 *10'4" x 20'0"* No. 5 *31'0" x 20'0"* No. 6 *31'0" x 20'0"*

Number of Shifting Beams and/or Fore and Afters *5* *5* *1* *1* *5* *5*

Builder's Signature *FOR SWAN, HUNTER & WIGMAN REPAIRERS, LTD. J. H. 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, the Secretary's letters, and generally conforms with the Society's Rules for the class contemplated.

The materials and workmanship are good.

all double bottom tanks, forward and after peak tanks has been tested and found satisfactory.

The weather decks, watertight bulkheads, watertight doors and tunnel have been tested and found satisfactory.

The windlass and steering gear tried under steam (war conditions) and found satisfactory.

The assigned freeboards have been marked on the vessels sides, verified and cut in.

The amount of Entry Fee £ 10 : 0 : 0

Fees applied for, *20 JUN 1941*

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

Special Survey Fee.... £ 470 : 4 : 6

Received by me, 19

I am of opinion the Vessel should be Classed *+100 A.1. with freeboard.*

Travelling Expenses, if any £ *18* : 0 : 0

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

Signature

E. H. Dean.

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *NEWCASTLE-ON-TYNE* Date of issue *4/7/41*

Committee's Minute

TUE. 1 JUL 1941

Character assigned

+100 A.1

With freeboard

Lloyd's arch. ok.

Write Note (vnm) note for S.R.L.

+Lmb. 5.41

20, CL.

Lloyd's Register Foundation

0038212

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 approved plans are forwarded with this report:-

Midship Section
Profile & Decks
Stem frame
Rudder
Stem
Alternative Coupling for rudder.
General pumping arrangement
Pillars in Machinery Space
Tunnel Plan
Hatch End beams
Tank Top forward.
W.T. Bulkheads
Hatch & Deck Fenders
Auxiliary Steering gear
Electric Welding of rudder posts

3 Forging Reports.

PARTICULARS OF ELECTRIC WELDING (if employed) Any welding carried out has been done with approved electrodes and in accordance with rule requirements.

Minor items only electrically welded
See letter 3.9.41 attached

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

Cruiser stem; Lloyds A.V.P. O.F.

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

1st Bower Wt. 39-2-25; Int. A.E.G.; No. of Cert. 3199; Date 23-8-40.
2nd " " 40-3-16; " J.T.; " " 3435; " 11-9-40.
3rd " " " " " " " " " " " "

39.4'

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 34.87ft.

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

Official No. 165810 Signal Letters Extreme Breadth over Belting 56'-2 1/2" Over-all Length 447'-6"

No. and Material of Decks 10" (Stl) & shelter 10" (Stl)

Parts of Bottom of Vessel coated with cement or approved composition Flat of bottom; inside of Boiler Room Tank; Bilges fore & aft; fore & aft peak Tanks

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,	131'-9"	371	Fore peak tank,	21'-11"	122
Double bottom, under Engines and Boilers,	43'-11"	204	After peak tank,	23'-2"	172
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	193'-11"	724	Other tanks, if fitted,	✓	✓
Total length (if continuous) and Capacity	369'-7"	1299	(If necessary, furnish further information by sketch.)	✓	✓

Order for Special Survey No. 5619

Date 21.11.1940

Dates of Surveys held while building

1940
Jul. 5. 9. 24. 31. Aug. 2. 7. 12. 20. 22. 27. Sep. 9. 10. 13. 18. Oct. 1. 4. 8. 14. 15. 23. 28
Nov. 6. 15. 20. 21. 25. 28. Dec. 2. 4. 6. 12. 16. 20. 30.
1941
Jan. 2. 7. 14. 15. 26. 28. 30. Feb. 3. 4. 6. 7. 10
11. 12. 13. 17. 21. 24. 27. 28. Mar. 3. 5. 6. 7. 10. 12. 18. 21. 26. 31. Apr. 4. 10. 17. 24. 29. May. 2. 6. 9.
14. 16. 20. 25. 26. 27. 28. 30. 31.
Total No. of Visits 81.