Rpt. 1

STEEL STEAMER ~~OR MOTORSHIP~~.

Received at London Office 3 SEP 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 from Newc.

Date of completion of report 2nd Septr. 1942 Port of Sunderland No. 33477

Survey held at Sunderland Date First Survey 30th Decr. 1941 Last Survey 26th August 1942.

On the (State if Machinery fitted aft and if Single, Twin or Triple Screw) S.S. EMPIRE THACKERAY

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling State Type of Erections Poop, Bridge, Fcle.

TONNAGE under Tonnage Deck ...	2530·76	CLASS +100 A.1.	State if with freeboard as condition of Class: No	Built at Sunderland	
Do. of space or spaces between Tonnage Dk. and Upper Dk.	✓		FEET	Launched 1st July 1942. Yard No. 744.	
	✓	Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)	L 310'-0"	Builders Messrs. Sir James Laing & Sons Ltd.	
Tonnage	2864·62	Breadth (greatest moulded)	B 46'-4"	Owners Ministry of War Transport.	
ter Tonnage	1690·15	Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)	D 25'-2"	Managers Burnett S.S. Co. Ltd. (Where necessary to be entered in Reg. Book)	
REGISTERED DIMENSIONS.		1st Longitudinal Number (L × D) =	7595	Residence ✓	
FEET		2nd Numeral L × (B + D) =	21937		
th 315·4		Framing Depth "d," at middle of length. See Sec. 3 (1d)	✓	Port of Registry Sunderland	
lth 46·55		Proportions—Depth to Length—Uppermost continuous deck to top of keel	12·65	If surveyed while building, afloat, ~~or in dry dock~~	
23·00		Do. Long Bridge to top of keel	✓	1/55.	
		Draught Moulded	20'-7 7/8"		

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	24"	
" " from ⅗ length amidships to Collision bulkhead	24"	
" " in peaks	24	
SIDE FRAMING.		
Frame Amidships, ~~Angle, E~~ or [	10×3½×½	7/16 m holds.
" " Extends up to	Upper Deck.	
Reversed Frame Amidships, Angle	✓	
" " Extends up to	✓	
Depth of Framing Girder	10	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [	✓	
" " Second 'tween Decks, Angle, [or [	✓	
" " Third " " " "	✓	
" from ½ len. for'd. to 15% len. from Stem	10×3½×7/16	
" in Peaks, ~~Angle~~ or [	7×3×·33.	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	¾ 5¼	
State if Frame Joggled	YES.	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES.	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES	
SINGLE BOTTOM.		
Floors, Depth and thickness at mid-line in Holds	✓	
Height of Brackets at side above base line at toe of frame	✓	
Middle Line Keelson, on Floors, Angles, [or [	✓	
" " " Through Plate or Intercostal Plate	✓	
" " " Foundation Plate on Floors	✓	
" " " Flat Plate Keel Angles	✓	
Side Keelsons, No. each side	✓	
" " thickness of Intercostal Plate	✓	
" " Angles	✓	
DOUBLE BOTTOM.		
Solid Floors, thickness and spacing	·34 every.	
" " Are Frame and Reversed Frame joggled?	YES.	
Bracket Floors, breadth and thickness at middle line	✓	
" " breadth and thickness at margin plate	✓	

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
Bracket Floors, Frame	✓	
" " Reversed Frame	✓	
" " Vertical Struts	✓	
Centre Girder, depth and thickness amidships	37×·46	
" " top Angles	3×3×3/8	
" " bottom Angles	3½×3½×7/16	
Side Girders, No. each side and thickness	continuous. One 6×3½×5/16 [top, 6×3½×7/16 [bottom	
Margin Plate depth (excl. of flange) and thickness	29½×·42.	
" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem	3×3×3/8	
" " Vertical Angle to Tank side Bracket from forward ¼ len. from stem to Panting Area	5×5×3/8	
" " Gussets, spacing and scantling abaft ¼ len. from stem	22×·34 continuous	
" " Gussets, spacing and scantling from forward ¼ len. from stem to Panting Area	28×·34 continuous.	
Tank Side Brackets, height above base line at toe of Frame and thickness	59×·38	
INNER BOTTOM PLATING.		
Breadth and thickness of Middle Line Strake	65½×·40	
Thickness of remainder in Holds	·35	·38 under hatchways in hold & cellars
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.	
BEAMS.		
Uppermost Continuous Deck, amidships in Wells, ~~Angle, E or~~ [	6×3½×5/16	
" " in way of Bridge, ~~Angle, E or~~ [	7×3×·33.	
Spacing	every	
Second Deck, amidships, Angle, [or [	✓	
Spacing	✓	
Third Deck, amidships, Angle, [or [	✓	
Spacing	✓	
Fourth Deck, amidships, Angle, [or [	✓	
Spacing	✓	
Poop Deck, ~~Angle, E or~~ [	6×3½×5/16	
Spacing	every.	
Bridge Deck, ~~Angle, E or~~ [	7×3×·33	
Spacing	every	
Forecastle Deck, ~~Angle, E or~~ [	7×3×·33	
Spacing	every	

(MADE IN ENGLAND.)

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PILLARS AND DECKS.

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows	✓	
„ in 'tween Decks, Size and Spacing	✓	
„ „ „ „ „	✓	
„ in Holds „ „ „	✓	
„ „ „ „ „	✓	
Centre Line Bulkhead. Stiffeners and Spacing	✓	
Plating, thickness of	✓	
STRINGERS AND DECKS. **Uppermost Continuous Deck.** Stringer Plate, breadth and thickness in Wells	83½×·65	
„ „ „ „ in way of Bridge	83½×·40	app.d ·35
„ Angle in Wells	6×6×·65	
Thickness of Plating abreast Deck openings in way of Wells	·65	
Thickness of Plating abreast Deck openings in way of Bridge	·30	see plan
Thickness of Plating within line of openings	·40×·35	
If Sheathed, material and thickness	✓	
Second Deck. Stringer Plate, breadth and thickness in Wells	✓	
Stringer Plate, breadth and thickness in way of Bridge	✓	
Thickness of Plating abreast Deck openings in way of Wells	✓	
Thickness of Plating abreast Deck openings in way of Bridge	✓	
Thickness of Plating within line of openings	✓	
If Sheathed, material and thickness	✓	
Third Deck. Stringer Plate, breadth and thickness	✓	
If Plated, state thickness	✓	
Fourth Deck. Stringer Plate, breadth and thickness	✓	
If Plated, state thickness	✓	
Poop Deck. Stringer Plate, ~~breadth and~~ thickness	·35	app.d ·32
Plating, Sheathing, material and thickness	·30	
Bridge Deck. Stringer Plate, breadth and thickness	65½×·40	
Plating, Sheathing, material and thickness	·35	
Forecastle Deck. Stringer Plate, ~~breadth and~~ thickness	·35	
Plating, Sheathing, material and thickness	·30	

SHELL PLATING.

SCANTLINGS.

Strakes	As in Vessel. Amidships. Breadth. (Inches.)	Amidships. Thickness. (Inches.)	Forward. Thickness. (Inches.)	Aft. Thickness. (Inches.)	Any Departure from Approved Plans to be Noted.
Flat Plate Keel... A	46½	·65	·59	·59	
„ Dblg. (if any)					
Bottom Plating, No. of Strakes ... BCD		·50	·55	·42	
Bilge Plating, No. of Strakes ... E		·50	·42	·42	
Side Plating, No. of Strakes ... FG		·50	·40	·40	
Upper Deck, Sheer-strake in Wells		·65	·40	·40	
Upper Deck, Sheer-strake in Bridge		·50	·40	·40	
Strake below Sheer-strake in Wells		·55	·40	·40	
Strake below Sheer-strake in Bridge		·50	·40	·40	
Poop Side Plating				·35×·33	
Bridge Side Plating		·45×·50			
Forecastle Side Plating			·38		

RIVETING.

Strakes	Edges. Single or Double.	Edges. Rivets. Diam. (Inches.)	Edges. Rivets. Spacing cr. to cr. (Inches.)	Butts. No. of Rows of Rivets.	Butts. Rivets. Diam. (Inches.)	Butts. Rivets. Spacing cr. to cr. (Inches.)	Strapped or Lapped.
Flat Plate Keel... A	D	⅞	3½	3	⅞	3⅛	
„ Dblg. (if any)							
Bottom Plating, No. of Strakes ... BCD	D	¾	3	3	¾	2⅝	
Bilge Plating, No. of Strakes ... E	D	¾	3	3	¾	2⅝	
Side Plating, No. of Strakes ... FG	D	¾	3	3	¾	2⅝	
Upper Deck, Sheer-strake in Wells	D	⅞	3½	4	⅞	3½	
Upper Deck, Sheer-strake in Bridge	D	¾	3	3	¾	2⅝	
Strake below Sheer-strake in Wells	D	¾	3	3	⅞	3⅛	
Strake below Sheer-strake in Bridge	D	¾	3	3	¾	2⅝	
Poop Side Plating	S	¾	3	1	¾	2⅝	
Bridge Side Plating	S	¾	3	3	¾	2⅝	
Forecastle Side Plating	S	¾	3	1	¾	2⅝	

Edges. State if joggled? No

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 5

„ Deck next below ✓

As per Rule 5

	Plating Thickness.	Stiffeners. Vertical. Scantlings.	Stiffeners. Vertical. Spacing.	Stiffeners. Horizontal. Scantlings.	Stiffeners. Horizontal. Spacing.
MIDSHIP BULKH'D, No 86 Upper 'tween decks	✓				
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds	·45-·25	10×3½×½ L	33	Flat ·2	
COLLISION „ (in Hold)	·46-·26	7×3×·33 L	24	S.B. Beam	
AFTER PEAK „ „	·46-·30	7×3×·33 L	26½	Recess to P.F.S. + S.B. Beam	

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓			
STEM	Rolled	8¼×2¼		
STERN FRAME Propeller Post	Cast	9¼×6		
STERN FRAME Rudder „	do	9¼×6		
Speed of Vessel	under 12 knots			
RUDDER—Type				
„ A × D		271·4		
„ Diam. of head		8½		
„ Mainpiece at top pintle		7⅝×7⅝		
„ „ heel		5¾×5¾		
„ how constructed	Cast steel frame			
„ double ~~or single~~ plate		·46		
„ coupling, vertical or horizontal	Vertical.			

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

Appleby Trading Co., Dorman Long, South Durham, Consett, Skinningrove, Cargo Fleet, Steel Co. of Scotland.

Has the Steel been tested as required by the Rules? YES.

EQUIPMENT No. 23209 LETTER M

ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight Required by Table 53. Cwts.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
41956	1st Bower ...	45	2	0		✓		39	11	1	0	45.0.0	Stockless	✓	LPHS 27.5.42 WVN
42041	2nd " ...	45	0	21		✓		39	8	0	14	45.0.0	do.	✓	do. 11.6.42 WVN
	3rd " ...											38.0.0			
	Collective weight											128.0.0			
55202	Stream	12	1	26	3	0	16	14	6	1	0	12 (ex stock)	Iron Stock	✓	LPACH. 7.8.42 WVN

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length. Fathoms	Diam. Ins.	Test per Certificate. Statutory. Tons.	Breaking. Tons.	Weight of Chain Cable. Supplied. Cwts. qrs. lbs.	Per Rule. Cwts.	Length and Size per Table 53. Length. Fathoms	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
65666	225 1/16	1 15/16	67½	94½	419.3.20	425.1.0 for 225 fms	270	1 15/16	Stud Link	✓	LPACH 18.8.42 WVN
Iron Stream Chain or Steel Wire	90	Cir. 4¼		36.4			90	Cir. 4¼			

HAWSERS AND WARPS.

Material.	Length and Size supplied. Length. Fathoms	Cir. Ins.	Breaking Test of Steel Wire. Tons.	Length and Size per Table 53. Length. Fathoms	Cir. Ins.
Towline ...	180	4	33.2	180	4
Hawsers & Warps	2@90	2½	13.2	2@90	2½
"	2@90	6" Manilla		2@90	2¼
"					

Steering Gear, Type (Power or hand) Hastie **Alternative Means of Steering** Auxiliary Block & Tackle

Steering Chains (Size and Test) Telemotor **Windlass** Emerson Walker **Boats** 1 29' motor boat, 1 28' 6" Lifeboat

Ceiling in Holds, thickness and material T. Topplating increased .08 **Cargo Battens,** thickness, material and spacing cleats fitted no battens

Cargo Hatchways.—(Upper Deck) Steel plates & angles Keith Patent **Thickness of Hatches** 2½"

Size of Hatchways **No. 1** (Fwd.) 32'×22' **No. 2** 34'×24' **No. 3** 34'×24' **No. 4** 32'×22' **No. 5** ✓ **No. 6** ✓

Number of **Shifting Beams** ~~and/or Fore and Afters~~ Nos 1 & 4 – 5 ; Nos 2 & 3 – 6

For and on Behalf of SIR JAMES LAING & SONS LIMITED.

Builder's Signature J. O. Thompson

Assistant Manager.

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).*

The vessel has been built in accordance with the approved plans, the Secretary's letters & the Rules.
The materials & workmanship are good.
The freeboard marks have been verified & cut in on the vessel's side.
The double bottom tanks, fore & aft peaks, have been tested & found good.
The decks, bulkheads, tunnel, ash shoot, hand pump, have been tested in accordance with the Rules.
The steering gear, emergency steering gear, windlass, have been satisfactorily tested.
The following reports are enclosed:– Stern Frame, Rudder Head & Frame, Pendant & Pelle
The equipment of anchors & cables has been reduced as per Secretary's letters of 22.7.40, 21.9.40

The amount of Entry Fee ..... £ 6 : . . : . } Fees applied for, 1 SEP 1942 19

Special Survey Fee ..... £218 : 5 : . Specification 54 . 11 . } Received by me, ... 19

Travelling Expenses, if any ..... £ : : Hd Asst — £13

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

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

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

Signature Wm. C. Mella
Surveyor to Lloyd's Register of Shipping.

Certificate ~~to be~~ sent to Sunderland } Date of issue 28/9/42
Hull
Newcastle

Committee's Minute FRI. 18 SEP 1942

Character assigned + 100 A1

Lloyd's Reg. OL.,

+ Lm 6.8.42 FD., CL.,

note for S.R.L
Write S.H.

The Surveyors are requested not to write on or below the Committee's Minutes.

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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 the Plans should be embodied.*)

PARTICULARS OF ELECTRIC WELDING (*if employed*) ✓

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

D.F.

Particulars of **Drop Test** of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.						
		including pins C	H			
	1st Bower	28	0	21	RHTG.	31.12.41
	2nd ,,	28	1	9	K.L.	13.12.41
	3rd ,,					

Re erections See letter 21.9.42

32'-9¼" see plans & fhd rept 8'2" see fhd rept 34

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 31·29 ft., R.Q.D. ✓ ft., Bridge 76·00 ft., Forecastle 33·0

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

Official No. 169026 Signal Letters ✓ Extreme Breadth over Belting (Circ. 1611) ✓ Over-all Length (Circ. 1703) 328'-2"

No. and Material of Decks 1 Steel Deck

Parts of Bottom of Vessel coated with cement or approved composition All D.B. tanks cemented ✓

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 inclu*

Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	106	228
Double bottom, under Engines and Boilers,		
Double bottom, if under Engines only,	20	25
Double bottom, if under Boilers only,	18	✓
Double bottom, forward,	126	334
Total length (if continuous) and Capacity	270	562

Where Fitted.	Length. Feet.	Water Cap Tons
Fore peak tank,	16·37	59
After peak tank,	18·00	117
Deep tank, aft,		
Deep tank, forward,		
Other tanks, if fitted,		
(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6001

Date 3.9.41

Dates of Surveys held while building: 1941. Dec. 30. 1942. Jan. 2.5.6.19.22.26.30. Feb. 1.2.6.9.12.17.19. Mar. 9.10.16.31. Apl. 9.10.14.15.16.20.21.23.27.28.29.30. May. 7.8.19.22.26.27. June 1.2.3.4.5.8.9.10.24.27. July. 1.7.14.16. Aug. 6.13.17.20.24.26.

Total No. of Visits 61