

## STEEL STEAMER or MOTORSHIP.

JAN 5 1938

Received at London Office.

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel YesDate of completion of report 31<sup>st</sup> December 1937.Port of Newcastle-on-TyneNo. 95792Survey held at Walker-on-TyneDate First Survey 19 FebLast Survey 31<sup>st</sup> Dec. 1937.On the (State if Machinery Altered Aft and if Single, Twin or Triple Screw) Single Screw"BASSANO"Machinery amidshipsState Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete Superstructure with tonnage openingState Type of Erections Hol + Bridge on top of C.S. deck.TONNAGE under Tonnage Deck... 4121.88CLASS A.1.State if with freeboard as condition of Class YesBuilt at Newcastle

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

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 395.0L 395.0Launched 21<sup>st</sup> Sept 1937 Yard No. 1560Breadth (greatest moulded) 55.5B 55.5Builders Swan Hunter & Wigham Richardson Ltd.

Total

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 36.25D 36.25Owners Ellerman's Wilson Line Ltd.Gross Tonnage 4842.641st Longitudinal Number (L x D) 14365

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

Register Tonnage 2686.702nd Numeral L x (B + D) 36360

Residence

## REGISTERED DIMENSIONS.

Framing Depth "d," at middle of length. See Sec. 3 (1d) 16.21F 16.21Port of Registry HullLength 401.5Proportions—Depth to Length—Uppermost continuous deck to top of keel 10.93 10.90

10.93 10.90

If surveyed while building, afloat, or in dry dock

Breadth 55.8Do. Long Bridge to top of keel 8.95 8.96

8.95 8.96

Building, afloat, &amp; in dry dock.

Depth 25.75Draught Moulded 25.5 1/4

25.5 1/4

## 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.
<b>FRAMES, Spacing amidships</b>	31"	✓	<b>Bracket Floors, Frame</b>	7	8 3 1/2 .42 ✓
" " from 3/8 length to Collision bulkhead	27"	✓	" " Reversed Frame	7	8 3 1/2 .35 ✓
" " in peaks	24"	✓	" " Vertical Struts	7	8 3 1/2 .35 ✓
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>		42 1/2 x .53 ✓
<b>Frame Amidships, Angle, E or C</b>	10 3 1/2 .39 ✓		" " top Angles		3 1/2 3 1/2 .47 ✓
" " Extends up to	3 <sup>rd</sup> deck ✓		" " bottom Angles		4 4 .53 ✓
<b>Reversed Frame Amidships, Angle</b>	✓		<b>Side Girders, No. each side and thickness</b>		1 - .37 ✓
" " Extends up to	✓		<b>Margin Plate depth (excl. of flange) and thickness</b>		36 1/2 x .53 ✓
<b>Depth of Framing Girder</b>	10"		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		3 1/2 3 1/2 .43 ✓
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or C</b>	7 1/2 3 1/2 .37 ✓	Y 1/2 x 3 1/2 x .37 in way of bridge	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem		3 1/2 3 1/2 .43 ✓ in way of painting
" " <b>Second 'tween Decks, Angle, E or C</b>	7 1/2 3 1/2 .37 ✓	Y 1/2 x 3 1/2 x .37 in way of bridge	" " Gussets, spacing and scantling abaft 1/2 len. from stem		.41 every ✓
" " <b>Third " " "</b>	7 1/2 3 1/2 .37 ✓	Y 1/2 x 3 1/2 x .37 in way of bridge	" " Gussets, spacing and scantling forward 1/2 len. from stem		.41 every ✓
<b>Framing in Peaks, Angle or C</b>	7 1/2 3 1/2 .37 ✓		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>		68 1/2" x .43 ✓
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	7/8 1 6 1/2 D. ✓		<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	Yes. ✓		<b>Breadth and thickness of Middle Line Strake</b>		53 x .51 ✓
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	Shrinkers, deck frames & intermediate frames fitted. Shell increased as per approved plans		<b>Thickness of remainder in Holds</b>		.43 ✓
<b>STRENGTHENING FOR NAV. IN ICE</b>	Additional intermediate double riveted frames & 3 strakes of shell p.s. increased as per approved plans		<b>Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. &amp; B. space and framing in Bunkers and Boiler Room?</b>		Yes. ✓
<b>WARD. State Particulars</b>			<b>BEAMS.</b>		
<b>SINGLE BOTTOM.</b>			<b>Uppermost Continuous Deck, amidships in Wells, Angle, E or C</b>		8 x 3 x .44 x .41 ✓
<b>Floors, Depth and thickness at mid-line in Holds</b>			" " in way of Bridge, Angle, E or C		8 3 .44 ✓
<b>Height of Brackets at side above base line at toe of frame</b>			<b>Spacing</b>		every ✓
<b>Middle Line Keelson, on Floors, Angles, E or C</b>			<b>Second Deck, amidships, Angle, E or C</b>		9 x 3 1/2 x .45 x .375 ✓
" " Through Plate or Intercoastal Plate			<b>Spacing</b>		Every ✓
" " Foundation Plate on Floors			<b>Third Deck, amidships, Angle, E or C</b>		9 x 3 1/2 x .45 x .375 ✓ see also plans
" " Flat Plate Keel Angles			<b>Spacing</b>		every ✓
<b>Side Keelsons, No. each side</b>			<b>Fourth Deck, amidships, Angle, E or C</b>		✓
" " thickness of Intercoastal Plate			<b>Spacing</b>		✓
" " Angles			<b>Poop Deck, Angle, E or C</b>		✓
<b>DOUBLE BOTTOM.</b>			<b>Spacing</b>		✓
<b>Solid Floors, thickness and spacing</b>	41 alt ✓		<b>Bridge Deck, Angle, E or C</b>		8 3 .35 ✓
" " Are Frame and Reversed Frame joggled?	Frame Yes Rev. No. ✓		<b>Spacing</b>		every ✓
<b>Bracket Floors, breadth and thickness at middle line</b>	3 1/2" x .41 ✓		<b>Forecastle Deck, Angle, E or C</b>		8 x 3 x .35 ✓
" " breadth and thickness at margin plate	63 3/4" x .41 ✓		<b>Spacing</b>		every ✓



## 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, No. of Rows.....</b>	one	✓	Stringer Plate, breadth and thickness in way of Bridge .....	55"x 37	47½"x 37
„ in 'tween Decks, Size and Spacing .....	under space		Thickness of Plating abreast Deck openings in way of Wells .....	36	also see plans
„ „ „ „ „	See appd plans		Thickness of Plating abreast Deck openings in way of Bridge .....	33	✓
„ in Holds „ „	plans	✓	Thickness of Plating within line of openings...	34 + 30	✓
„ „ „ „ „			If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	7 3 40	✓ also	Stringer Plate, breadth and thickness.....	50½"x 34	47½"x 34
Plating, thickness of .....	at 62" spacing 30	✓ see plans	If Plated, state thickness.....	30 and 40 on deck tank	also see plans
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	76"x 54	✓ 58"x 52	If Plated, state thickness .....	✓	
„ „ „ „ in way of Bridge	76"x 39	✓ 58"x 40	<b>Poop Deck.</b>		
„ Angle in Wells .....	6 6 52		Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings in way of Wells .....	47	44	Plating, Sheathing, material and thickness ..	✓	
Thickness of Plating abreast Deck openings in way of Bridge .....	36	also see plans	<b>Bridge Deck. on Superstructure dk.</b>		
Thickness of Plating within line of openings...	41	38	Stringer Plate, breadth and thickness.....	71½"x 42	58"x 42
If Sheathed, material and thickness .....	✓		Plating, Sheathing, material and thickness ..	38 plating 2½" teak	also see plans
<b>Second Deck.</b>			<b>Forecastle Deck on Superstructure dk.</b>		
Stringer Plate, breadth and thickness in Wells...	55"x 40	✓	Stringer Plate, breadth and thickness.....	35"x 36	✓
			Plating, Sheathing, material and thickness ..	34 plating	✓

## 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 .....	<i>51½</i>	<i>.77</i> ✓	<i>.67</i> ✓	<i>.67</i> ✓		<i>Double</i>	<i>7/8</i>	<i>3½</i> ✓	<i>Quad</i>	<i>1</i>	<i>4</i> ✓	<i>Lapped.</i>
„ DBLG. (if any)		✓										
BOTTOM PLATING, No. of Strakes ..... <i>4.</i>		<i>.58</i> ✓	<i>.82 + .64</i> ✓	<i>.66 + .58</i> ✓	<i>.48 ends</i> ✓	<i>Double</i>	<i>7/8</i>	<i>3½</i> ✓	<i>Triple</i>	<i>7/8</i>	<i>3½</i> ✓	<i>Lapped.</i>
BILGE PLATING, No. of Strakes ..... <i>1.</i>		<i>.58</i> ✓	<i>.82</i> ✓	<i>.58</i> ✓	<i>.48</i> ✓	<i>Double</i>	<i>7/8</i>	<i>3½</i>	<i>Triple</i>	<i>7/8</i>	<i>3½</i> ✓	<i>"</i>
SIDE PLATING, No. of Strakes ..... <i>3.</i>		<i>.63</i> ✓	<i>.87 + .51</i> ✓	<i>.63 + .51</i> ✓	<i>.58 to .46</i> ✓	<i>Double</i>	<i>7/8</i>	<i>3½</i> ✓	<i>Triple</i>	<i>7/8</i>	<i>3½</i> ✓	<i>"</i>
UPPER DECK, Sheer-strake in Wells.....	<i>63</i>	<i>.64</i> ✓	<i>.48</i> ✓	<i>.48</i> ✓	<i>.65 to .46</i> ✓	✓	-	-	<i>Quad</i>	<i>1 + 7/8</i>	<i>4 + 3½</i> ✓	<i>"</i>
UPPER DECK, Sheer-strake in Bridge ...		<i>.60</i> ✓	<i>.48</i> ✓	<i>.48</i> ✓	<i>.58 to .46</i> ✓	<i>upper seam double</i>	<i>7/8</i>	<i>3½</i> ✓	<i>Triple</i>	<i>7/8</i>	<i>3½</i> ✓	<i>"</i>
STRAKE BELOW Sheer-strake in Wells.....		<i>.63</i> ✓	<i>.48</i> ✓	<i>.48</i> ✓	<i>.61 to .46</i> ✓	<i>double</i>	<i>7/8</i>	<i>3½</i> ✓	<i>Quad</i>	<i>7/8</i>	<i>3½</i> ✓	<i>"</i>
STRAKE BELOW Sheer-strake in Bridge ...		<i>.60</i> ✓	<i>.48</i> ✓	<i>.48</i> ✓	<i>.58 to .46</i> ✓	<i>double</i>	<i>7/8</i>	<i>3½</i> ✓	<i>Triple</i>	<i>7/8</i>	<i>3½</i> ✓	<i>"</i>
POOP SIDE PLATING .....		✓	✓	✓		✓	✓	-	-	✓	✓	
BRIDGE SIDE PLATING ... on bot. & sup. dk.		<i>.52</i> ✓				<i>lower seam double</i>	<i>7/8</i>	<i>3½</i> ✓	<i>Triple</i>	<i>7/8</i>	<i>3½</i> ✓	<i>"</i>
FORECASTLE SIDE PLATING			<i>.42</i> ✓			<i>lower seam double</i>	<i>¾</i>	<i>3</i> ✓	<i>double</i>	<i>¾</i>	<i>2 + 7/8</i> ✓	<i>"</i>

## 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)						
,, Deck next below						
As per Rule						
		STIFFENERS.				
Plating Thickness.		VERTICAL.		HORIZONTAL.		
		Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D, Upper tween decks						
,, Second ,,		26	5 x 3 x 28	30		
,, Third ,,						
,, Holds .....		46, 39 5.29	9 x 3 1/2 x 40	30		
COLLISION ,, (in Hold) .....		53-32 30 26	9 x 3 1/2 x 38 1/2 5 x 3 x 28 7 5 x 3 x 28 7	6 x 3 x 33 7	24" apart 24 24	
AFTER PEAK ,, .....		40-30	8 x 3 x 35 7	4 x 3 x 30 6	24	
STEEL.		Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)				
		Consett Iron Co., Appleby Frodingham S & I Co., South Durham Co., Dorman Long & Co., Rennie & Co., Cargo Fleet, Skinningrove S & I Co., Steel Co. of Scotland, Lanarkshire Steel Co., Colvilles Ltd.				
		Has the Steel been tested as required by the Rules?				
		Yes				
		KEEL, Bar				
		STEM 10 x 2 1/2" rolled steel & shaped plate stem above				
		STERN FRAME { Propeller Post cost steel Rudder " 12 1/2" x 13 1/2" } Nederlandse Staalfabriek Utrecht.				
		Speed of Vessel 13 knots				
		RUDDER—Type				
		,, A x D 540				
		,, Diam. of head 12 1/8" Willm Forge				
		,, Mainpiece at top pintle } Rudder frame as approved ,, " heel ... } make - Nederlandse Staalfabriek Utrecht.				
		,, how constructed				
		,, double or single plate double plate 50				
		,, coupling, vertical or horizontal horizontal				



EQUIPMENT No 37279 ✓										LETTER Z ✓	ANCHORS.
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
34128	1st Bower	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.
34137	2nd "	61	-	-	Stockless	-	-	48	17	2	-
34127	3rd "	60	3	-	"	-	-	48	15	-	-
	Collective weight.	182	3	-					182		
50592	Stream	14	2	-	4	2	-	18	12	2	-

CHAIN CABLES.										HAWERS 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.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Owts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
36916	270	2 1/4	91 1/2	127 1/2	687-0-0		270	2 1/4	stud.	not stated	Candiff 11/9/37. CC Wright.	TOWLINE...	120	4 1/2	58.6	120	4 1/2
												HAWERS & WARPS }	2-90	2 3/4	15.2	2-90	2 3/4
												"	2-90	2 1/2	13.2	2-90	2 1/2
Iron Stream Chain or Steel Wire	90	4 3/4		47			90	4 3/4				"					

Steering Gear, Steam *Wilson Pine Type. (made by Donkin)* Steering Gear, Hand *Steam & hand combined*  
 Boats *4 wood boats* Steering Chains, Size and Test *none* Windlass *10" dia. 12 1/2" stroke Emerson Walker.*  
 Ceiling in Holds, thickness and material *2 1/2" under hatchways.* Cargo Battens, thickness, material and spacing *6 x 2" up. 9" apart in holds & tween decks.*  
 Cargo Hatchways.-(Upper Deck) *Steel plates, angles & bulb angles* Thickness of Hatches *3" (weather dk cargo holds)*  
 Size of No. 1 Hatchway (Forward) *27'0" x 18'0" No. 2 38'9" x 18'0" No. 3 10'4" x 15'0" No. 4 15'6" x 16'0" No. 5 25'10" x 16'0" No. 6 23'8" x 16'0"*  
 Number of Shifting Beams and/or Fore and Afters *5 beams 7 beams 1 beam 2 beams 4 beams 4 beams*

FOR SWAN, HUNTER, & WIGHAM RICHARDSON, LTD.  
 Builder's Signature *G. F. J. J. J.*  
 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.

*This vessel has been constructed in accordance with the approved plans the Surveyor's letters, and generally conforms with the Society's rules for the class contemplated. The material & workmanship are good. The weather decks, W.T. Bulkheads, tunnel & W.T. doors have been tested and found satisfactory. All double bottom tanks, deck tank and fore & aft peak tanks have been tested as required by the rules & found satisfactory. The assigned freeboards have been marked on the vessel's sides verified & cut in. The requirements of Section 40 of the Rules for Strengthening for ice navigation have been complied with. The requirements of Section 20A of the rules for the carriage of Vegetable oil have been complied with and the vessel is eligible for the notation of "Carrying Vegetable oil in deep tank".*

The amount of Entry Fee ..... £ 8 : - : - Fees applied for, *4 JAN 1938*  
 Special Survey Fee.... £ 317 : 3 : - Received by me, *11/1 1938*  
 Travelling Expenses, if any £ : : : *4/6*  
 State whether the Vessel has been built under Special Survey *Yes* Signature *W. J. Chang*  
 Certificate to be sent to *Newcastle-on-Tyne* Date of issue *25/1/38*  
 I am of opinion the Vessel should be Classed *+100 A.1. with freeboard.*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI 14 JAN 1938*  
 Character assigned *+100 A.1. With freeboard Carrying Vegetable oil in deep tank*  
*Strengthened for Navigation in Ice Lloyd's Arch. of*  
*12.37 Spt. 22, 1938*



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 approved plans (21 in number) are enclosed herewith along with midship section + Profile + decks as built. Forging reports attached.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book + 100 A.1. with freeboard.   
Crown Stern ✓ Strengthened for navigation in ice ✓ Refrig. Machy.   
Carrying Vegetable oil in deep tank ✓

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2nd "	3rd "	Weight	Surveyor's Initials	No of certs.	Date
				38-0-14	J.F.R.	2251	12.3.37.
				38-0-7.	J.F.R.	2253	12.3.37.
				37-3-14	J.F.R.	2250	12.3.37.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge 118.8 ft., Forecastle 35.3 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 2 decks + shellin dk. ✓ Steel Over-all Length 419.7" ✓

Official No. 165691 ; Signal Letters GDDR. Is bottom of vessel coated with cement part. if not give particulars of composition Realis + boiler room tank : cemented. ✓ pt com. pt ash.   
engine room S.B. : Bituminous enamel ✓   
other S.B. tanks : No cement.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	111.1" ✓	232 ✓	Fore peak tank,	22.0" ✓	63 ✓
Double bottom, under Engines and Boilers,	72.4" ✓	289 ✓	After peak tank,	22.7" ✓	48 ✓
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	28.5" ✓	706 ✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,		
Double bottom, forward,	151.6" ✓	378 ✓	Other tanks, if fitted,		
	334.92	899 ✓	(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. 5534

Date 4.3.37

Dates of Surveys held while building

1937. Feb. 19. Mar. 3. 10. 30. Apr. 7. 13. 14. 15. 19. 21. 28. May 4. 10. 11. 20. 26. June 3. 28. July 2. 8.   
14. 16. 27. 30. Aug. 5. 12. 18. 20. 23. 25. 26. 30. 31. Sep. 1. 8. 10. 13. 14. 16. 21. 22. 23. 24. 27. Oct. 4. 8.   
13. 19. 26. 29. Nov. 3. 5. 9. 12. 17. 26. Dec. 2. 8. 9. 13. 14. 16. 20. 21. 22. 24. 30. 31.

Total No. of Visits 69.