

## STEEL STEAMER or MOTORSHIP.

10 FEB 1931

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 *3<sup>rd</sup> February 1931* Port of *Leith*No. *17948*Survey held at *Leith*Date First Survey *5<sup>th</sup> June 1930*Last Survey *27 January 1931*

On the (State if Machinery fitted Aft and

*Star Train S<sup>c</sup> "AGUIA" II*

State Type (Full Description, Complete Superstructure

*CLASS: - + A1 with freeboard corresponding to an extreme summer draft of 10 feet. For service on*TONNAGE under Tonnage Deck... *1094.57*CLASS: *The River Plate limiting rule* State if with freeboard as condition of Class *yes*Do. of 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) *L 260.0*Total *1094.57*Breadth (greatest moulded) *B 42.0*Gross Tonnage *1368.81*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 13.0*Register Tonnage *821.97*1st Longitudinal Number (L x D) *= 3380*2nd Numeral L x (B + D) *= 14300*Framing Depth "d," at middle of length. See Sec. 3 (1d) *11.85*Proportions—Depth to Length—Uppermost continuous deck to top of keel *20*Do. Long Bridge to top of keel *9'-10 1/2"*Draught Moulded *9'-10 1/2"*State Type of Erections *Focli*Built at *Leith*Launched *8<sup>th</sup> December 1930* Yard No. *181*Builders *Henry Roth & Co*Owners *FORESTAL LAND TIMBER AND RAILWAYS CO. LTD.*Managers *(Where necessary to be entered in Reg. Book.)*Residence *15 St Helens Place, London*Port of Registry *Buenos Aires*If surveyed while building, afloat, or in dry dock *while building*

## 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.
S, Spacing amidships	<i>22</i>		Bracket Floors, Frame		
" from 1/4 length to Collision bulkhead	<i>22</i>		" " Reversed Frame		
" in peaks	<i>22</i>		" " Vertical Struts		
RAMING.			Centre Girder, depth and thickness amidships		
e Amidships, Angle, [ or ]	<i>5 3 28</i>		" " top Angles		
" Extends up to	<i>deck</i>		" " bottom Angles		
rsed Frame Amidships, Angle	<i>5</i>		Side Girders, NO. each side and thickness		
" " Extends up to	<i>5</i>		Margin Plate depth (excl. of flange) and thickness		
h of Framing Girder	<i>5</i>		" " Vertical Angle to Tank side		
nes in Uppermost Continuous 'tween Decks, Angle, [ or ]	<i>5</i>		" " Bracket abaft 1/4 len. from stem		
" Second 'tween Decks, Angle, [ or ]	<i>5</i>		" " Vertical Angle to Tank side		
" Third " " " "	<i>5</i>		" " Bracket forward 1/4 len. from stem		
ing in Peaks, Angle or [ or ]	<i>4 2 34</i>		" " Gussets, spacing and scantling abaft 1/4 len. from stem		
eter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4 spaced 7/16 dia. etc.</i>		" " Gussets, spacing and scantling forward 1/4 len. from stem		
e if Frame Joggled	<i>yes</i>		Tank Side Brackets, height above base line at toe of Frame and thickness		
ING ARRANGEMENTS (Sec. 7), state system and particulars	<i>(W.T.F.M.)</i>		INNER BOTTOM PLATING.		
NGTHENING OF BOTTOM FORWARD. State Particulars	<i>yes</i>		Breadth and thickness of Middle Line Strake		
E BOTTOM.			Thickness of remainder in Holds		
rs, Depth and thickness at mid-line in Holds	<i>21 32</i>		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?		
Height of Brackets at side above base line at toe of frame	<i>yes</i>		BEAMS.		
le Line Keelson, on Floors, Angles, [ or ]	<i>4 3 1/2 44</i>		Uppermost Continuous Deck, amidships	<i>7 3 36</i>	
" " Through Plate or Interstitial Plate	<i>25 40</i>		" " in Wells, Angle, [ or ]	<i>yes</i>	
" " Foundation Plate on Floors	<i>24 (in top plate, each 12")</i>		" " in way of Bridge, Angle, [ or ]	<i>yes</i>	
" " Flat Plate Keel Angles	<i>3 1/2 3 1/2 46</i>		Spacing	<i>every frame</i>	
le Keelsons, No. each side	<i>two</i>		Second Deck, amidships, Angle, [ or ]		
" thickness of Interstitial Plate	<i>32 15 28</i>		Spacing		
" Angles	<i>4 1/2 3 36</i>		Third Deck, amidships, Angle, [ or ]		
BLE BOTTOM.			Spacing		
lid Floors, thickness and spacing	<i>yes</i>		Fourth Deck, amidships, Angle, [ or ]		
" " Are Frame and Reversed Frame joggled?	<i>yes</i>		Spacing		
Bracket Floors, breadth and thickness at middle line	<i>yes</i>		Poop Deck, Angle, [ or ]		
" " breadth and thickness at margin plate	<i>yes</i>		Spacing		
			Bridge Deck, Angle, [ or ]		
			Spacing		
			Forecastle Deck, Angle, [ or ]	<i>6 3 40</i>	
			Spacing	<i>every frame</i>	



## 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>	<i>two</i>		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 " " "	<i>8 x 3 1/2 x 3 1/2 x 50</i>	<i>6 x 3 1/2 x 3 1/2 x 45</i>	Thickness of Plating within line of openings...		
" " " " "	<i>Screen 6</i>	<i>Tim frame spaces apart.</i>	If Sheathed, material and thickness .....		
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	<i>✓</i>		Stringer Plate, breadth and thickness.....		
Plating, thickness of .....	<i>✓</i>		If Plated, state thickness.....		
<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	<i>69 40</i>		If Plated, state thickness .....		
" " " " in way of Bridge	<i>✓</i>		<b>Poop Deck.</b>		
" Angle in Wells .....	<i>3 1/2 3 1/2 42</i>		Stringer Plate, breadth and thickness .....		
Thickness of Plating abreast Deck openings } in way of Wells .....	<i>40</i>		Plating, Sheathing, material and thickness ...		
Thickness of Plating abreast Deck openings } in way of Bridge .....	<i>✓</i>		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	<i>30</i>		Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness .....	<i>✓</i>		Plating, Sheathing, material and thickness ...		
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	<i>✓</i>		Stringer Plate, breadth and thickness .....	<i>24 30</i>	
			Plating, Sheathing, material and thickness ...	<i>26 5 x 7 Feet</i>	

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <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>54</i>	<i>48</i>	<i>48</i>	<i>48</i>		<i>Double</i>	<i>3/4</i>	<i>4</i> <i>axis</i>	<i>Double</i>	<i>3/4</i>	<i>3 1/2</i> <i>axis</i>	<i>Lapped.</i>	
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes ..... <i>3</i>	<i>69</i>	<i>36</i>	<i>32</i>	<i>32</i>		<i>Single</i>	<i>7/8</i>	<i>4</i> <i>axis</i>	<i>Double</i>	<i>7/8</i>	<i>3 1/2</i> <i>axis</i>	<i>Lapped</i>	
BILGE PLATING, No. of Strakes ..... <i>1</i>	<i>49 1/2</i>	<i>36</i>	"	"		"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes ..... <i>2</i>	<i>44 1/2</i>	<i>36</i>	"	"		"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Wells.....	<i>51</i>	<i>42</i>	"	"		<i>Double</i>	<i>3/4</i>	"	<i>web</i> <i>in</i> <i>(all)</i>	<i>3/4</i>	"	"	
UPPER DECK, Sheer-strake in Bridge ...)													
STRAKE BELOW Sheer-strake in Wells.....)													
STRAKE BELOW Sheer-strake in Bridge ...)													
POOP SIDE PLATING .....													
BRIDGE SIDE PLATING ...													
FORE'C'TLE SIDE PLATING			<i>.32</i>			<i>Single</i>	<i>7/8</i>	<i>4</i> <i>axis</i>	<i>Double</i>	<i>7/8</i>	<i>3 1/2</i> <i>axis</i>	<i>Lapped.</i>	

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *4 Watertight*

„ Deck next below *2 Oil tight*

As per Rule *✓*

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....				
STEM .....				
STERN FRAME	Propeller Post	BRACKETS	Cast Steel by Newton & Fisher L. <sup>d</sup>	
	Rudder Post	Forged Steel	by The Sunderland Forge Co.	
RUDDER—A x D .....		158.81		
Speed of Vessel .....		10 Knots		
RUDDER mainpiece at head		Forged Steel 6 $\frac{1}{2}$ " dia	of Wolxingham, Steel W.	
" " heel		4 $\frac{1}{8}$ " dia		
" " how constructed		3 forged arms, forged & brazed on		
" " double or single plate		single .90		
" " coupling, vertical or horizontal		horizontal		

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings/Spacing.		Scantlings/Spacing.	
MIDSHIP BULKH'D, Upper tween decks						
Bulkhead frame No 26		OT	34 . 30	6x3x30	2 24	one 15" flat girder.
" " Second		31 " OT	34 . 30	6x3x30	2 24	one 15" flat girder.
" " Third		33 " WT	34 . 26	6x3x38	2 31	average
" " Holds		83 " WT	34 . 26	6x3x38	2 31	
COLLISION		" (in Hold)	27 " WT	34 . 26	6 1/2 x 3 x 32	2 24 WT. Flat
AFTER PEAK		105 5 7 6 Top WT	30	4 x 3 x 30	2 24	WT. Flat.
			30	6 x 2 x 30	2 30	

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Downman Long 100 lb*  
STEEL. *David Colville & Sons Ltd - Consignees of Steel from the Steel Company of Scotland Ltd - South*  
*Berham Steel from the Steel Company of Scotland Ltd - South*  
Has the Steel been tested as required by the Rules? *yes*

Has the Steel been tested as required by the Rules?







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.)

Master plan - Plan of Engine, Keelson - Propeller Arrangement of Main Part openings - Stem frame, Rudder & Tiller - Propeller Brackets - Pumping arrangement - Also 4 Reports on forgings, and 2 on Castings.

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

1st Bower	14-3-26	KH	8520	27-8-30
2nd "	15-0-7	"	8405	15-8-30
3rd "	14-3-10	"	8408	15-8-30

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 30.3 ft.

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

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 12<sup>th</sup> Str.

Official No. (not assigned) ; Signal Letters ☒

Is bottom of Vessel coated with cement ☒ no if not give

particulars of composition bitumastic solution.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	26	70
Double bottom, under Engines and Boilers,			After peak tank,	11	8
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward (Fuel tank part of engine room 108 tons)		
Double bottom, forward,			Other tanks, if fitted,		
			(If necessary, furnish further information by sketch.)		
Total capacity of double bottom					

\* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 1197

Date 17 April 1930

Dates of Surveys held while building

1930.  
June 5. 11. 19 - July 2. 21. 29. - Aug 5. 7. 20. 29.  
Sept 16. 19. 24. - Oct 6. 13. 16. 22. 23. 24. 29.  
Nov 3. 7. 10. 13. 27. - Dec 8. 5. 30.  
1931. Jan 8. 16. 20. 21. 23. 27.

Total No. of Visits 34