

## STEEL STEAMER or MOTORSHIP.

Received at London Office 15 JUN 1928

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 *14th June 1928.*Port of *Sunderland*No. *29760*Survey held at *Sunderland.*Date First Survey *18th Oct. 1927*Last Survey *13th June 1928*On the (State if Machinery fitted *A* and if Single, Twin or Triple Screw)*Single Screw**KIRKPOOL*

(Machinery amidships)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

*Full Scantling*State Type of Erections *Pop. Bridge + S'cle*TONNAGE under Tonnage Deck... *4578.22*CLASS *F100 A1*State if with freeboard as condition of Class *no*Built at *Sunderland*

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 405.0*Launched *3rd May 1928* Yard No. *699*

Total

Breadth (greatest moulded) *B 53.29*Builders *Sir James Laing & Sons Ltd*Gross Tonnage *4839.81*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 29.46*Owners *The Ropner Shipping Co. Ltd*Register Tonnage *3012.10*1st Longitudinal Number (L x D) = *11930*

Managers

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

## REGISTERED DIMENSIONS. FEET.

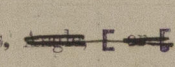
Length *405.2*Framing Depth "d," at middle of length. See Sec. 3 (1d) *25.69*Residence *W. Hartlepool*Breadth *53.6*Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.75*Port of Registry *W. Hartlepool*Depth *26.5*Do. Long Bridge to top of keel *10.96*

If surveyed while building, afloat, or in dry dock

Draught Moulded *24.73/4*

whilst building &amp; 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	28		Bracket Floors, Frame	1 6 3 1/2 32	
" " from 1/2 length to Collision bulkhead	24 + 26		" " Reversed Frame	1 5 1/2 3 32	
" " in peaks	24		" " Vertical Struts	1 10 x 3 1/2 x 3 1/2 x 4 1/2 5 1/2 3 30	NBS.
SIDE FRAMING.			Centre Girder, depth and thickness amidships	48 1/4 x 52	
Frame Amidships, 	12 x 3 1/2 x 3 1/2 x 63/60		" " top Angles	3 1/2 3 1/2 50	
" " Extends up to	upper deck + 10 Bridge or at Hatch ends		" " bottom Angles	4 4 56	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	one 38	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	36 1/4 x 50	
Depth of Framing Girder	12		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 42	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]			" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	6 6 42	
" " Second 'tween Decks, Angle, [ or ]			" " Gussets, spacing and scantling abaft 1/2 len. from stem	2-0 x 1-6 x 38	
" " Third " " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem	2-7 1/2 x 2-1 1/2 x 38	
Framing in Peaks, Angle or [	7 3 1/2 48		Tank Side Brackets, height above base line at toe of Frame and thickness	5-3	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7 x 5 1/2 dia. 7/8		INNER BOTTOM PLATING.		
State if Frame Joggled	yes		Breadth and thickness of Middle Line Strake	50 1/4 x 50	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	12 x 3 1/2 x 60 BAs (NBS) 8 x 3 1/2 x 75 angle reverses 4 1/2 in. side stringers.		Thickness of remainder in Holds	42 to 37	
TRENGTHENING OF BOTTOM FORWARD. State Particulars	addl. Girders single frames 5 1/2 x 42 midship thickness 7/8 strakes next keel to coll. bhd.		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	
INGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]	10 3 1/2 58	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [ or ]	10 3 1/2 50	
Middle Line Keelson, on Floors, Angles, [ or ]			Spacing	28	
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, [ or ]		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [ or ]		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [ or ]		
" " Angles			Spacing		
DOUBLE BOTTOM.			POOP DECK, Angle, [ or ]	Y 3 35	
Solid Floors, thickness and spacing	38 @ 84 28 24 x 26		Spacing	every frame	
" " Are Frame and Reversed Frame joggled?	yes		Bridge Deck, Angle, [ or ]	8 3 1/2 54	
Bracket Floors, breadth and thickness at middle line	2-7 1/2 x 38		Spacing	every frame	
" " breadth and thickness at margin plate	2-7 1/2 x 38		Forecastle Deck, Angle, [ or ]	10 3 1/2 48 9 3 1/2 40	
			Spacing	all frames	



## 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>One</i>				✓				
<i>Poop</i> <del>Forecastle</del> in 'tween Decks, Size and Spacing.....	<i>23 1/4</i>	<i>dia on</i>	✓					
<i>Bridge</i> " " " " " "	<i>23 1/4</i>	<i>dia on</i>	✓					
<i>Bridge</i> in <i>Holds</i> " " " " " "	<i>6 x 3 1/2 x 3 1/2 x 40</i>	<i>at hatch ends</i>	✓					
<b>Centre Line Bulkhead.</b>	<i>12</i>	<i>3 1/2</i>	<i>50</i>	✓				
Stiffeners and Spacing.....	<i>7</i>	<i>3</i>	<i>42</i>	✓				
Plating, thickness of .....	<i>30</i>			✓				
<b>STRINGERS AND DECKS.</b>								
<b>Uppermost Continuous Deck.</b>								
Stringer Plate, breadth and thickness in Wells	<i>68</i>	<i>75</i>	<i>75</i>	✓				
<i>at Bridge ends</i>	<i>1.25</i>	<i>1.23</i>		✓				
" " " " in way of Bridge	<i>68</i>	<i>38</i>		✓				
" Angle in Wells .....	<i>6</i>	<i>6</i>	<i>80</i>	✓				
Thickness of Plating abreast Deck openings	<i>89</i>	<i>to</i>	<i>52</i>	✓				
in way of Wells .....	<i>75</i>	<i>to</i>	<i>66</i>	✓				
Thickness of Plating abreast Deck openings			<i>35</i>	✓				
in way of Bridge .....				✓				
Thickness of Plating within line of openings...	<i>46</i>	<i>-</i>	<i>33</i>	✓				
If Sheathed, material and thickness .....				✓				
<b>Second Deck.</b>				✓				
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 .....				✓				
<b>Third Deck.</b>								
Stringer Plate, breadth and thickness.....				✓				
If Plated, state thickness.....				✓				
<b>Fourth Deck.</b>								
Stringer Plate, breadth and thickness.....				✓				
If Plated, state thickness .....				✓				
<b>Poop Deck.</b>								
Stringer Plate, breadth and thickness .....	<i>35</i>	<i>x</i>	<i>3 1/2</i>	✓				
Plating, Sheathing, material and thickness ...	<i>33</i>			✓				
<b>Bridge Deck.</b>								
Stringer Plate, breadth and thickness.....	<i>64</i>	<i>x</i>	<i>60</i>	✓				
Plating, Sheathing, material and thickness ...	<i>53</i>	<i>-</i>	<i>40</i>	✓				
<b>Forecastle Deck.</b>								
Stringer Plate, breadth and thickness.....	<i>35</i>	<i>x</i>	<i>34</i>	✓				
Plating, Sheathing, material and thickness ...	<i>30</i>	<i>+ 5 x 3</i>		✓				

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>no</i> State if joggled?			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.
FLAT PLATE KEEL .....	49	.78	.68	.68	✓	Double	1	4"	4R to 3R.	1	4	Lapped	
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes .....4.....	1-64 3-40	.60	52+46	46	✓	Double	7/8	3½	3R Full	7/8	3½	Lapped	
BILGE PLATING, No. of Strakes .....2.....		.60	50	46	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes .....3.....	71	.60	44	44	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer- strake in Wells.....	61 Bridge ends		.65 1/2 .59 1/2	.74-54 to .44 at ends	✓	"	"	"	4R to 3R	1	4	"	
UPPER DECK, Sheer- strake in Bridge ...	61	.60	1.12	1.28	✓	"	"	"	3R Full	7/8	3 1/8	"	
STRAKE BELOW Sheer- strake in Wells.....	64		.70- to 44 ends	.76-52 to 44 ends	✓	"	"	"	"	"	"	"	
STRAKE BELOW Sheer- strake in Bridge ...	64	.60	.60	.60	✓	"	"	"	"	"	"	"	
POOP SIDE PLATING .....				.38	✓	Single	3/4	3	1R.	3/4	25/8	"	
BRIDGE SIDE PLATING ...	93	.60			✓	Double	7/8	3 1/2	4R	7/8	3 1/2	"	
FOREC'TLE SIDE PLATING			.40		✓	Single	3/4	3	1R	3/4	25/8	"	

## WATERTIGHT BULKHEADS.

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
Total No. of W.T. BULKHEADS in Vessel—						
Extending to Upper Deck (Sec. 3 c).....						
,, Deck next below.....						
As per Rule.....						
MIDSHIP BULKH'D, Upper tween decks			✓			
,, Second ,,			✓			
,, Third ,,			✓			
,, Holds .....		46-42	12x3½x46	30	-	-
COLLISION ,, (in Hold) .....		50-26	10x3½x46	24	2 S.B.B.	
AFTER PEAK ,, .....		32-30	9x3x44	24	1 S.B.B.	
		76	5x3x35		+ flat.	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....	✓			✓
STEM .....	Forging	$9\frac{1}{2} \times 2\frac{1}{2}$		✓
STERN FRAME {	Propeller Post .....	Forging	$10\frac{1}{2} \times \frac{1}{2}$	Sld. Forge ✓
	Rudder " .....		$9 \times \frac{1}{2}$	6" L <sup>d</sup> ✓
RUDDER—A × D .....	142	$9 \times 3.44 = 4.95$		✓
Speed of Vessel .....	$10\frac{1}{4}$ knots.			✓
RUDDER mainpiece at head ...	Forging	10 dia	Sld Forge	✓
			6" L <sup>d</sup>	✓
" " heel ...		$\frac{1}{2}$		✓
✓ " how constructed .....	Forging	arms	strunk on.	✓
✓ " double or single plate	single	1.04		✓
✓ " coupling, vertical or horizontal .....	vertical			✓

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth process.*  
*Appleby Iron Co. Ld. Bolchons Vaughan & Co. Ld. Cargo Steel Iron Co. Ld. Consett Iron Co. Ld.*  
*Corman Long & Co. Ld. Pease & Partners Ld. South Durham & Co. Ld.*  
 Has the Steel been tested as required by the Rules? *yes.*



EQUIPMENT No. 35494										LETTER Z		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.				
31049	1st Bower ...	63	3	4	stockless.			50	10	0	0	63 3/4	Byers	not stated	Sld. 14.5.28
31082	2nd „ ...	63	3	0	“			50	4	2	0	63 3/4	Byers	“ “	“ 15.5.28
31080	3rd „ ...	55	0	4	/	“		45	9	0	4	54 1/2	Byers.	“ “	“ 14.5.28
	Collective weight.	182	2	14								182 ✓			
30435	Stream .....	14	3	14	4	2	4	18	18	0	14	14 1/2	Rodgers (W.S.)	not stated	Sld. 31.1.28. J.H. Butler.

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.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.	✓				Fathoms.	Ins.	Tons.	Fathoms.	Ins.
80439	240	2 1/4	9 1/8	12 5/10	686.0.21	682 1/4	240	2 1/4	Stud	not stated	Netherton, 11.1.28/ H Green.	TOWLINE... HAWSERS & WARPS	120 4-90	5 3	59 18	120 2-90	5 2 3/4
from Stream Chain or Steel Wire	90	Cir. 4 3/4		44	✓	-		Cir.	Gabris	Webster & Co	✓	"				2-90	2 1/2

Steering Gear, Steam *John Lynn & Sons Ltd* Steering Gear, Hand *Secondary means by wire ropes & blocks operated from winch. Rudder head brake.*

Boats 2-27ft life 1. 18ft dinghy Steering Chains, Size and Test *1 1/16" T.C.T. 24.15.0.0* Windlass *Steam. Clarke Chapman & Co.*

Ceiling in Holds, thickness and material *over bilges & under hatches only. W.P. 2 1/2" thick* Cargo Battens, thickness, material and spacing *2 1/2" W.P. spaced 9"*

Cargo Hatchways.-(Upper Deck) *steel plates & angles* Thickness of Hatches *2 3/4"*

Size of No. 1 Hatchway (Forward) *24'0" x 20'0"* No. 2 *28'0" x 20'0"* No. 3 *18'0" x 20'0"* No. 4 *28'0" x 20'0"* No. 5 *28'0" x 20'0"* No. 6 *18'0" x 20'0"*

Number of Shifting Beams and/or Fore and Afters *5 to No 1, 4 to No 2, 4 to 5, 3 to No 3 & 6.*

BIR JAMES LAING & SONS, LIMITED.

Builder's Signature

GENERAL DECLARATION *This vessel has been constructed in accordance with the approved plans, the Rules & Secretary's letters. The material & workmanship are good. The freeboards have been verified and the marks cut in on the vessels sides.*

*The peak tanks, double bottom tanks and dry tank under Boilers have been satisfactorily tested under water pressure in accordance with the Rule requirements. The W.T. bulkheads, decks, tunnel & W.T. doors have been hosed and found satisfactory.*

*The approved plans (11 in No) Midship section. Profile & decks. Fore end bottom girders. Stern frame & Rudder. Pumping arrangement. After peak bulkhead. Alternative arrangement of framing forward. Fore peak bulkhead. After peak stringers. Tunnel stiffening. Topsides plating together with two forging certificates and midship section & Profile & decks as built.*

The amount of Entry Fee ..... £ 8 : : : Fees applied for,

Special Survey Fee.... £ 317 : : : Received by me,

Travelling Expenses, if any £ : : : 30.6.28

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

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

Signature

*W.P. Ballings.*

Certificate to be sent to *SUNDERLAND.*

Date of issue *1/7/28.*

Committee's Minute

*FRI. 22 JUN 1928*

Character assigned

*100 A.1*

*Lloyd's ascp.*

*thmc 6.28*

*J.D. CL.*



© 2020

Lloyd's Register Foundation

W275-0084(2/2)



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.)

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

1st Bower 40.6.21 K.H.B. 5304. 26.4.28.  
2nd „ 40.1.7. K.H.B. 5303. 26.4.28.  
3rd „ 34.3.0. K.H.B. 5309. 26.4.28.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 29.75 ft., R.Q.D. / ft., Bridge 228.58 ft., Forecastle 40.75 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) 1 dk (SHE)

Official No. 139258 ; Signal Letters Is bottom of Vessel coated with cement yes if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	140	499	Fore peak tank,	22	162
Double bottom, under Engines and Boilers,	—	—	After peak tank,	22	184
Double bottom, if under Engines only,	28	140	Deep tank, aft,	✓	—
Double bottom, if under Boilers only, (1914)	16.33	—	Deep tank, forward,	✓	—
Double bottom, forward,	144.83	705	Other tanks, if fitted,	✓	—
Total capacity of double bottom	1344	—	(If necessary, furnish further information by sketch.)	✓	—

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

Order for Special Survey No. 5651

Date 22.9.27

Dates of Surveys held while building

1927 Oct. 18.25.31. Nov. 3.9.15.18.21.22.28. Dec. 6.8.9.13.21.23.28. Jan. 5.6.9.11.16. 25.27.31. Feb. 2.3.8.10.14.16.18.22.23.29. Mar. 5.7.9.13.15.19.21.22.23.26.27.28.29. Apr. 2.5.11. 16.18.23.24. May 2.3.7.8.9.18.24.30. June 1.5.7.8.11.13.

Lloyd's Register Foundation

Total No. of Visits 72