

STEEL STEAMER or MOTORSHIP.

8 JUN 1929

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

Port of *West Hartlepool*Survey held at *West Hartlepool*Date First Survey *7th December*No. *16773*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single Screw*

"HAXBY"

Last Survey *29th May*19*29*

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

*Full Scantling*State Type of Erections *Prop Bridge & Sels*

TONNAGE under Tonnage Deck...

*4930.31*CLASS *100 A.1.*

State if with freeboard as condition of Class

No

Built at *West Hartlepool*

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

Total

Gross Tonnage

5206.73

Register Tonnage

3227.08

REGISTERED DIMENSIONS.

FEET.

Length

421.20

Breadth

54.25

Depth

27.20

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

L *421.00*

Breadth (greatest moulded)

B *54.04*

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D *30.08*1st Longitudinal Number (L x D) = *12663.68*2nd Numeral L x (B + D) = *35414.52*

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

26.25

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

14.00

Do. Long Bridge to top of keel

11.20

Draught Moulded

*24.114*Launched *25th April '29* Yard No. *1016*Builders *W. Gray & Co Ltd*Owners *The Kopner Shipping Co Ltd*Managers *Sir R. Kopner & Co Ltd.*

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

Residence *West Hartlepool*Port of Registry *West Hartlepool*

If surveyed while building, afloat, or in dry dock

Whilst building and 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 BA NBS	6	3 1/2	34	
" " from 1/2 length to Collision bulkhead	27	8	26		" " Reversed Frame BA NBS	6	3	32	
" " in peaks	24				" " One BA NBS	6	3	32	
SIDE FRAMING.					" " Vertical Struts 2 Channel	10	3 1/2	3 1/2	42
Frame Amidships, Angle, [or] NBS	12	4	4	60 F	Centre Girder, depth and thickness amidships	49	x	54	
" " Extends up to				Upper deck and to bridge deck at lateral ends	" " top Angles	3 1/2	3 1/2	50	
Reversed Frame Amidships, Angle				Channel framing	" " bottom Angles	4	4	56	
" " Extends up to					Side Girders, No. each side and thickness	One		40	
Depth of Framing Girder	12				Margin Plate depth (excl. of flange) and thickness	42	x	50	
Frames in Uppermost Continuous 'tween Decks, Angle, [or] NBS	6	3 1/2	32	scantled 18"	" " Vertical Angle to Tank side	6	6	42	
" " Second 'tween Decks, Angle, [or]	7	3 1/2	41	for four spaces at ends of bridge	" " Bracket abaft 1/2 len. from stem	7	3 1/2	42	6 x 3 1/2 x 42
" " Third " " " "					" " Vertical Angle to Tank side	6	6	42	
Framing in Peaks, Angle or [NBS	7	3 1/2	50		" " Bracket forward 1/2 len. from stem	28	28	40	On every frame
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8	7	dias		" " Gussets, spacing and scantling abaft 1/2 len. from stem	27	27	40	On every frame
State if Frame Joggled				Yes	" " Gussets, spacing and scantling forward 1/2 len. from stem	27	27	40	On every frame
PANTING ARRANGEMENTS (Sec. 7), state system and particulars				Frames [NBS 15 x 4 x 4 x 60 W 62 F from 15 1/2 to 17 1/2 4 side strengtheners as approved & additional attachments	Tank Side Brackets, height above base line at toe of Frame and thickness	5-4	x	46	
STRENGTHENING OF BOTTOM FORWARD. State Particulars				Extra intercostals as app'd and double riveted fore bottom	INNER BOTTOM PLATING.				
SINGLE BOTTOM.					Breadth and thickness of Middle Line Strake	5 1/2	x	50	
Floors, Depth and thickness at mid-line in Holds					Thickness of remainder in Holds			42	
Height of Brackets at side above base line at toe of frame					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 with about 10% extra in addition (Bunkers extra)	
Middle Line Keelson, on Floors, Angles, [or]					BEAMS.				
" " Through Plate or Intercostal Plate					Uppermost Continuous Deck, amidships	11	3 1/2	42	Aft Well
" " Foundation Plate on Floors					" " in Wells, Angle, [or]	11	3 1/2	40	Fore Well
" " Flat Plate Keel Angles					" " in way of Bridge, Angle, [or] NBS	10	3 1/2	52	
Side Keelsons, No. each side					" " E or [NBS	7	3	42	
" " thickness of Intercostal Plate					Spacing	11	3 1/2	46	
" " Angles					Second Deck, amidships, Angle, [or]	27			in fore well
DOUBLE BOTTOM.					Spacing	28			in after well and amidships
Solid Floors, thickness and spacing	40	@	84		Third Deck, amidships, Angle, [or]				
" " Are Frame and Reversed Frame joggled?				Yes	Spacing				
Bracket Floors, breadth and thickness at middle line	2	8 1/2	x	40	Fourth Deck, amidships, Angle, [or]				
" " breadth and thickness at margin plate	2	6	x	40	Spacing				
				as app'd	Poop Deck, Angle, [or] NBS	7	3	37	

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
Centre line Bulkhead in Holds									
in 'tween Decks, Size and Spacing.....	2 1/2	dia	on alt. beams						
" " " " " "	2 1/2	in	fell on every beam						
in Holds									
Centre line Bulkhead									
Stiffeners and Spacing.....	12	3 1/2	.46						
	12	3 1/2	.52						
	9	3 1/2	.42	on alt beams					
	9	3 1/2	.46						
	7	5	.45						
Plating, thickness of30						
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells	66								
" " " " " in way of Bridge	72								
" Angle in Wells	6 x 6 x .82	.66							
Thickness of Plating abreast Deck openings in way of Wells	75								
Thickness of Plating abreast Deck openings in way of Bridge	36								
Thickness of Plating within line of openings...	34								
If Sheathed, material and thickness			not sheathed						
Second Deck.									
Stringer Plate, breadth and thickness in Wells...			no second deck						
Stringer Plate, breadth and thickness in way of Wells									
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									
Plating, Sheathing, material and thickness									
Bridge Deck.									
Stringer Plate, breadth and thickness.....									
Plating, Sheathing, material and thickness									
Forecastle Deck.									
Stringer Plate, breadth and thickness.....									
Plating, Sheathing, material and thickness									

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?.....			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 A.....	50	.80	.72	.69		Double	7/8	3 1/2	4 R	1	4	Lapped	
„ DBLG. (if any) ✓													
BOTTOM PLATING, No. of Strakes 4.....	70 1/2 } 70 1/2 } 70 1/2 } 70 1/2 }	.61	.62 .52 .62 .48	.48 - .61 .50 - .61 .60 - .50 .58 Strakes		Double	7/8	3 1/2	4 R	7/8	3 1/2	do	
BILGE PLATING, No. of Strakes 1.....	70 1/2 } 70 1/2 }	.61	.48	.50 - .61		Double	7/8	3 1/2	4 R	7/8	3 1/2	do	
SIDE PLATING, No. of Strakes 3.....	71 1/2 } 71 1/2 } 70 1/2 }	.61	.46	.61 .49 .61 .46 .46		Double	7/8	3 1/2	3 R	7/8	3 1/2	do	
UPPER DECK, Sheer-strake in Wells.....	70	1.26 .78 .70 .62 } AFT	1.17 .70 .62 } FWD			Double	1 1/8 1 1/8 1 1/8	4 4 3 1/2	4 R	1 1/8 1 1/8 1 1/8	4 1/2 4 3 1/2	do	
UPPER DECK, Sheer-strake in Bridge ...	69	.61				Double	7/8	3 1/2	3 R	7/8	3 1/2	do	
STRAKE BELOW Sheer-strake in Wells.....	71	.72 .67 .62 .57 } AFT	.63 .57 } FWD			Double	7/8	3 1/2	4 R	7/8	3 1/2	do	
STRAKE BELOW Sheer-strake in Bridge ...	71 1/2	.61				Double	7/8	3 1/2	3 R	7/8	3 1/2	do	
POOP SIDE PLATING M...	78			.38		Single	3/4	3	1 R	3/4	2 5/8	do	
BRIDGE SIDE PLATING M.	90	.61	.61	.61		Double	7/8	3 1/2	4 R	7/8	3 1/2	do	
FOREC'TLE SIDE PLATING N	50 50 1/2	.42				Single	3/4	3	1 R	3/4	2 5/8	do	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	8
Extending to Upper Deck (Sec. 3 c)	8
" Deck next below	7
As per Rule	7

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		Flat plate Keel		
STEM		Roller Steel Bar 10 x 2 1/2	Ranarkshire Stl works	
STERN FRAME	Propeller Post	Forging	10 1/2 x 7 1/2	Central Marine Engines works
	Rudder		9 x 7 1/2	
RUDDER—A x D			50 1/2 x 55	
Speed of Vessel			10 1/4 Knots	
RUDDER mainpiece at head			10 1/8	
" " heel			7 5/8	
" how constructed			Forged and built	
" double or single plate			Single plate 1.04" thick	
" coupling, vertical or horizontal			vertical	

MIDSHIP BULKHEAD, Upper tween decks	Plating Thickness.	STIFFENERS.			
		VERTICAL.	HORIZONTAL.		
" " Second					
" " Third					
" 94 Holds	46 .33 .30	27 .26	12 x 3 1/2 x 3 1/2	40/60	30
COLLISION (in Hold)	50 .38 .26		10 x 3 1/2 x 47	88	25 Bms
AFTER PEAK	49 7/8 .32 .30		5 x 3 x 39 do	24	8 Tank Top
			5 x 3 x 41 do		Recess Top
			10 x 3 1/2 x 51 do	24	Blrs &
			6 x 3 x 32 do		13 Bms
			6 x 3 x 46 do		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Open search process
	Plates. South Durham Steel & Iron Cold. Dorman Long & Cold. Cargo Fleet Iron Cold.	
	Sections Dorman Long & Cold. Cargo Fleet Iron Cold. Peace & Partners Ltd. Consett Iron Co. S. Izzard & Co.	
	Has the Steel been tested as required by the Rules?	yes

EQUIPMENT No. 37472.02										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.	Cwts.			
31855	1st Bower ...	64	1	7	STOCKLESS			50	15	0	0	63 $\frac{3}{4}$	BYERS IMPROVED STOCKLESS	per W.L. Byers	Sld. 26.2.29 J.H. Butler
31854	2nd „ ...	63	3	14	do			50	10	0	0	63 $\frac{3}{4}$	do do do	do	Sld 26.2.29 J.H. Butler
31856	3rd „ ...	54	3	0	do			45	4	1	14	54 $\frac{1}{2}$	do do do	do	Sld 27.2.29 J.H. Butler
	Collective weight.	182	3	21								182			
31814	Stream	17	3	0	4	3	14	18	16	1	0	17 $\frac{1}{2}$	S. TAYLOR & SONS FORGED STEEL ANCHOR RODGERS TYPE		Sld 31.1.29 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.	Ins.	Tons.	Length. Cir.
16143	270 2 1/4	9 1/8	127 1/2	682.2.0	682 1/4		270 2 1/4	Stud	S. TAYLOR & SONS	Sld 28.2.29 J.H. Butler	TOWLINE...	120 5	73	120 5	
											HAWSERS & WARPS	4@90 3	18	2@90 2 3/4	
											"	2@90 7"	manila	2@90 2 1/2	
											"	2@90 7"	manila		
Iron Stream Chain or Steel Wire	90 4 3/4	65.5					90 4 3/4	Steel wire	Glaloh & Kopsen	Sunderland.					

Steering Gear, Steam John Lynn & Co Ltd Horizontal 10" x 10" Steering Gear, Hand of after wheel & suitable tackle

Boats 2 Lifeboats 27.0 x 8.3 x 3.4 1/2 1 Jolly boat 18.0 x 5.6 x 2.4 Steering Chains, Size and Test 1 1/16 24.15.8.0 28711 LPHCH 28712. R.C. Paul Windlass Clark Chapman & Co Ltd 9 x 14 st.

Ceiling in Holds, thickness and material 2 1/2 NW under hatch covers bilges Cargo Battens, thickness, material and spacing 6 x 2 NW 9" spacing

Cargo Hatchways.—(Upper Deck) Steel plates & angles as app'd Thickness of Hatches 2 3/4"

Size of No. 1 Hatchway (Forward) 29'3" x 20' No. 2 30'4" x 20' No. 3 8'8" x 20' No. 4 30'4" x 20'0" No. 5 30'4" x 20' No. 6 18'8" x 20' No. 7 10' x 10'

Number of Shifting Beams and/or Fore and Afters No. 1. 5, No. 2. 5, No. 3. 2, No. 4. 5, No. 5. 5, No. 6. 3, No. 7. 1

For William Gray & Co., Limited.

Hos. S. Simpson
Builder's Signature General Manager.

GENERAL DECLARATION. It should be stated (a) whether the vessel 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 built in accordance with the Rules, the approved plans and the Secretary's letters. The materials and workmanship are good.

The double bottom tanks and fore and after peak tanks have been tested under the Rule pressure and found satisfactory.

The watertight doors, hand pump, steering gears and windlass have been examined and tried under working conditions and found satisfactory.

The weather decks, bulkheads, w.t. doors, and tunnel have been satisfactorily Rose tested.

The freeboards have been cut in on the vessel's sides and verified.

The vessel is fitted with "wireless" Electric Light & "Directional wireless"

The boiler room tank is a dry tank. It has been tested, its length is included and its Capacity omitted overleaf.

The amount of Entry Fee £ 9 : 0 : 0 Fees applied for, 7.6. 1929 AM

Special Survey Fee.... £ 330 : 3 : 6 Received by me, 11.7. 1929 HMB

Freeboard 10.1.8

Travelling Expenses, if any £ : : :

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

State whether the Vessel has been built under Special Survey yes Signature A. Pickworth & R. J. Mackintosh

Certificate to be sent to WEST HARTLEPOOL Date of issue 15/7/29 Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUE. 11 JUN 1929

Character assigned -1- 100 A.1

Lloyds accd 4 June 1929

J.D. CL.

MR

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W984-0226 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.)

Sister vessel.

S/S "HERONPOOL"

Wrot Apl. Rpt. No. 16761

Plans now forwarded.

Midship Section

Profile and Deck Plans

Rudder and Screw Frame

Fore and after peak bulkheads

Arrangement of topside plating

Plan of Hatchways, girders & tween deck Hatch and pillars

Plan of Tunnel

Bottom Stiffening forward.

Stiffener connection on w.s. Bld 107

Alternative arrangement of Hatch sides & girders

Screw down Scupper for bridge tween decks

Pumping arrangement.

Also Forging reports on Stern frame & Rudder and Certificate for stem bars

Girders fitted under Bridge Deck

Girders port and Starboard 16' 9 1/4" from centre line from 52 f. to 74 f. then 82 f. to 115 & 120 to 141
This girder is cranked from 110 to 112 1/2 from 16' 9 1/4" from c.l. to 17' 0"

Scantlings of girder

Depth 13" 40 plates Face bar 7 x 3 1/2 x 40 BA

Rugs to trans 3 1/2 x 3 1/2 x 40 Single carried down to take one rivet through the face bar on about alternate trans

Deck rugs 5 x 5 x 40 & 6 x 6 x 40 in way of Saloon House

Girders port & Starboard

10' 0" from centre line from trans 69 to 124

Scantlings of girder

15" deep Plate 40 flanged 6" on lower edge

Rugs to trans 3 1/2 x 3 1/2 x 40 single carried down to 6" flange on alternate trans

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

1st Bower	40.0.7	M.B.	6158	30.1.29	Düsseldorf
2nd "	40.1.0	M.B.	6145	30.1.29	do
3rd "	35.1.0	M.B.	6139	30.1.29	do

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 29' 7 1/2 ft., R.Q.D. ✓ ft., Bridge 240' 16 ft., Forecastle 42' 83 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 (Stl)

Official No. 160760 ; Signal Letters

Is bottom of Vessel coated with cement yro 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,	147	564	Fore peak tank,	24.0	175
Double bottom, under Engines and Boilers,			After peak tank,	22.0	167
Double bottom, if under Engines only,	25.8	127	Deep tank, aft,		
Double bottom, if under Boilers only, DRY TANK but tested	18.8		Deep tank, forward,		
Double bottom, forward,	179.5	722	Other tanks, if fitted,		
Total capacity of double bottom	345.3	1413	(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. 2354

Date 13. Sept/28

Dates of Surveys held while building

11/28
Dec. 7. 11. 12. 14. 17. 19. 21. 27. — Jan. 24. 28. 30. — Feb. 4. 7. 12. 20. 25. 28. — Mar. 3. 6. 7. 12. 14. 19. 21. 25. —
26. 27. 29. 31. 3. 5. 6. 9. 11. 15. 17. 22. 24. 29. — May. 10. 13. 14. 16. 17. 22. 23. 25. 27. 28. 29.

Total No. of Visits 57

Lloyd's Register Foundation