

## STEEL STEAMER or MOTORSHIP.

Received at London Office 22 FEB 1930

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 Ltd.*Date of completion of report *21st February 1930* Port of *Sunderland*Survey held at *Sunderland* Date First Survey *15th July 1929* Last Survey *21/2/30* No. *30295*On the (State if Machinery Affected and if Single, Twin or Triple Screw) *Single screw "VEERHAVEN"*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full scantling*State Type of Erections *Poop, Bridge, etc*TONNAGE under Tonnage Deck... *4933.82*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. *0*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *L 421.0*Launched *15th Decr 1930* Yard No. *1032*

Total

Breadth (greatest moulded) *B 54.04*Builders *Messrs Wm Gray & Co. Ltd.*Gross Tonnage *5291.32*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 29.70*Owners *N.V. Gebr. Van Unden Scheepvaart. en Agentuur.*Register Tonnage *3261.90*1st Longitudinal Number (L x D) *= 12503.75*Managers *N.V. Gebr.*

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

2nd Numeral L x (B + D) *= 35258.75*Residence *Rotterdam, Holland.*

## REGISTERED DIMENSIONS.

FEET.

Length *421.29*Breadth *54.36*Depth *29.23*Framing Depth "d," at middle of length. See Sec. 3 (1d) *20.12*Proportions—Depth to Length—Uppermost continuous deck to top of keel *14.18*Do. Long Bridge to top of keel *11.14*Draught Moulded *24.10 1/4*Port of Registry *Rotterdam.*

If surveyed while building, afloat, or in dry dock

*Building 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.
<b>FRAMES, Spacing amidships</b> .....	28		<b>Bracket Floors, Frame</b> ..... <i>7 (WBS)</i>	6 3/2 34	
" " from $\frac{1}{2}$ length to Collision bulkhead.....	24		" " Reversed Frame ... <i>7 (WBS)</i>	5 1/2 3 32	
" " in peaks.....	24		" " Vertical Struts ..... <i>7 10 3 1/2 3 1/2 3 1/2 3 1/2</i>	5 1/2 3 32	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	43 x 54	
Frame Amidships, Angle, $\angle$ or $\square$ ..... <i>(WBS) 12 x 4 x 4 59 60</i>			" " top Angles .....	3 1/2 3 1/2 50	
" " Extends up to .....	<i>upper dk</i>		" " bottom Angles .....	4 4 56	
Reversed Frame Amidships, Angle .....	<i>deep framing</i>		<b>Side Girders, No. each side and thickness</b> .....	one 40	
" " Extends up to .....			<b>Margin Plate</b> depth (excl. of flange) and thickness .....	34 x 50	
Depth of Framing Girder.....	12		" " Vertical Angle to Tank side	6 6 42	
Frames in Uppermost Continuous 'tween Decks, Angle, $\angle$ or $\square$ .....			Bracket abaft $\frac{1}{2}$ len. from stem ..... <i>single</i>	6 6 42	
" " Second 'tween Decks, Angle, $\angle$ or $\square$ .....			Bracket forward $\frac{1}{2}$ len. from stem ..... <i>double</i>	6 6 42	
" " Third " " " " .....			Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem.....	31 x 28 x 40 59 x 28 x 40	<i>appt 28 x 40</i>
Framing in Peaks, Angle or $\square$ ..... <i>(WBS)</i>	7 3 1/2 50		Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem.....	49 x 30 x 40 73 1/2 x 30 x 40	<i>" " "</i>
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	7/8, 4 x 5 1/2 dia.		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	5 3 1/2	
State if Frame Joggled .....	<i>yes</i>		<b>INNER BOTTOM PLATING.</b>		
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	<i>15 x 4 x 4 63 ch. frames with 4 x 4 x 63 riv. on all frames 4 incl. S. stringers</i>		Breadth and thickness of Middle Line Strake ...	78 x 44 40	
STRENGTHENING OF BOTTOM FORWARD. State Particulars .....	<i>5 x 5 x 42 single frames double riveted 3 thickness shell bottom plating to Coll. bhd</i>		Thickness of remainder in Holds .....	42 - 38	
<b>SINGLE BOTTOM.</b>			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bankers and Boiler Room? .....	<i>yes</i>	
Floors, Depth and thickness at mid-line in Holds .....			<b>BEAMS.</b>		
Height of Brackets at side above base line at toe of frame .....			Uppermost Continuous Deck, amidships in Wells, Angle, $\angle$ or $\square$ .....	<i>Half beams 7 3 1/2 35</i>	
Middle Line Keelson, on Floors, Angles, $\angle$ or $\square$ .....			" " in way of Bridge, Angle, $\angle$ or $\square$ .....	10 3 1/2 54	
" " Through Plate or Intercoastal Plate...			Spacing .....	<i>every frame</i>	
" " Foundation Plate on Floors .....			<b>Second Deck, amidships, Angle, <math>\angle</math> or <math>\square</math> .....</b>		
" " Flat Plate Keel Angles .....			Spacing.....		
<b>DOUBLE BOTTOM.</b>			<b>Third Deck, amidships, Angle, <math>\angle</math> or <math>\square</math> .....</b>		
Solid Floors, thickness and spacing .....	<i>40 84 28 24</i>		Spacing.....		
" " Are Frame and Reversed Frame joggled? .....	<i>yes</i>		<b>Fourth Deck, amidships, Angle, <math>\angle</math> or <math>\square</math> .....</b>		
Bracket Floors, breadth and thickness at middle line.....	<i>2-8 1/2 x 40</i>		Spacing.....		
" " breadth and thickness at margin plate.....	<i>2-6 x 40</i>		<b>Poop Deck, Angle, <math>\angle</math> or <math>\square</math> .....</b>	<i>7 3 36</i>	
			Spacing.....	<i>every frame</i>	
			<b>Bridge Deck, Angle, <math>\angle</math> or <math>\square</math> .....</b>	<i>9 3 1/2 38</i>	
			Spacing.....	<i>and 7 3 1/2 33</i>	
			<b>Forecastle Deck, Angle, <math>\angle</math> or <math>\square</math> .....</b>	<i>8 3 45</i>	
			Spacing .....	<i>and 7 3 36</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>One</i>				
<i>Bridge</i>				
in 'tween Decks, Size and Spacing.....	4 1/2 3 3/4			
" " " " " " <i>double at both ends</i>				
" " " " " " <i>Plating</i>	26			
in <i>Holds Poop &amp; etc</i>	2 3/4 dia.			
" " " " " "	all beams			
<b>Centre Line Bulkhead.</b>				
Stiffeners and Spacing.....	12 3 1/2 54			
Plating, thickness of .....	7 3 33			
	all beams			
	30			
<b>STRINGERS AND DECKS.</b>				
<b>Uppermost Continuous Deck.</b>				
Stringer Plate, breadth and thickness in Wells	1 1/2 1 1/2 15 15 15 15			
" " " " " in way of Bridge	7 1/2 39			
" Angle in Wells .....	6 6 80			
Thickness of Plating abreast Deck openings	88 68 80 62			
in way of Wells .....	88 63 88 45			
Thickness of Plating abreast Deck openings	36			
in way of Bridge .....				
Thickness of Plating within line of openings...	44 34 44 34			
If Sheathed, material and thickness .....				
<b>Second Deck.</b>				
Stringer Plate, breadth and thickness in Wells...				
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 .....	60 x 40			
Plating, Sheathing, material and thickness ...	28 x 26 2 1/2 PP			
<b>Bridge Deck.</b>				
Stringer Plate, breadth and thickness.....	4 1/2 59 54 54			
Plating, Sheathing, material and thickness ...	59 x 40 5 1/2 54 36			
<b>Forecastle Deck.</b>				
Stringer Plate, breadth and thickness.....	36 x 40			
Plating, Sheathing, material and thickness ...	40 x 34 4 1/2 34			

# SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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 .....	49½	79	69	69		Double	7/8	3½	4R-3R	1	4	Lapped.	
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-	
BOTTOM PLATING, No. of Strakes .....3.....	82	61	61	44		Double	7/8	3½	4R-3R	7/8	3½	Lapped	
BILGE PLATING, No. of Strakes .....one.....	84	61	55	44		"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes .....3.....	81-40	61	45	44		"	"	"	4R-3R 3R full	7/8	3½ 3/8	"	
UPPER DECK, Sheer- strake in Wells.....	74	66½	45	45		"	"	"	3R	7/8	3/8	"	
at Bridge ends		64	44	1-11		"	1	4	4R	1	4	"	
UPPER DECK, Sheer- strake in Bridge ...	75	61	40	42 ends		"	7/8	3½	3R+4R	7/8	3/8 3/2	"	
STRAKE BELOW Sheer- strake in Wells.....	75	62-56½	45	45		"	"	"	3R	7/8	3/8	"	
		65-60½											
STRAKE BELOW Sheer- strake in Bridge ...	75	61	68	65 ends		"	"	"	"	"	"	"	
POOP SIDE PLATING .....				38		Single	¾	3	1R	¾	2 5/8	Lapped	
BRIDGE SIDE PLATING ...	89	62				Double	7/8	3½	4R	7/8	3½	"	
FORECASTLE SIDE PLATING			42			Single	¾	3	1R	¾	2 5/8	"	

# WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c).....✓					
,, Deck next below.....✓					
As per Rule.....✓					
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks					
,, Second ,,					
,, Third ,,					
,, Holds .....		46' 3/4" 26	[12 x 3 1/2 x 3 1/2 x 48] 60	@ 30	✓ -
COLLISION ,, (in Hold) .....		50' 38" 26	[10 x 3 1/2 x 49] 60	@ 24	25.88
AFTER PEAK ,,		49' 34" 31' 30"	[9 x 3 1/2 x 49] 60	@ 24	S.B.B.

# FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar .....</b>	✓			
<b>STEM .....</b>	Roller steel	10 x 2 1/2	The Lancashire S.R.C.	
<b>STERN FRAME</b>	Propeller Post .....	Forging 10 1/2 x 4 3/4	Central marine	
	Rudder .....	9 x 7 3/4	Engine works	
<b>RUDDER—A x D.....</b>		Tubing, balanced reaction rudder		
<b>Speed of Vessel.....</b>		11 knots.		
<b>RUDDER</b> mainpiece at head ...		10 1/2		
" heel ...		9		
" how constructed .....		Forged with cast steel arms struck on steam lined with wood.		
" double or single plate .....		Single 84 x 1 04		
" 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 process*  
 Plates - South Durham S & J 6° L<sup>1</sup> Dorman Lang 6° L<sup>1</sup>  
 Angles - Corbett Iron 6° L<sup>1</sup> Dorman Lang 6° L<sup>1</sup> Cargo Fleet 6° L<sup>1</sup>  
 Has the Steel been tested as required by the Rules? *yes*



EQUIPMENT No. 3461040										LETTER at		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.			
32666	1st Bower ...	68	2	4	stockless			53	1	3	14	68	Byers Improved.	Per. W. Byers.	Sld. 12-12-29 J. H. Baker.
32674	2nd " ...	68	0	0	"			52	12	2	0	68	"	"	" 13-12-29 - "
32614	3rd " ...	58	3	4	"			44	13	3	0	58 1/2	"	"	" 24-11-29 - "
	Collective weight.	195	1	14								194 1/2			
62935	Stream .....	19	1	0	4	3	14	20	1	3	14	19	Ordinary	R. Dykes & Sons.	Kipton, 23-11-29 W. Dykes.

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.
65252	240	2 5/16	96 1/4	134 3/4	728.0.12	720 3/4	240	2 5/16	Stud	R. Bykes & Sons	Tipton 24.11.29	W. A. Brysdale	TOWLINE..	120	4"	46.5	120	4"
													HAWSERS & WARPS }	2.90	2 3/4"	15.5	2.90	2 3/4"
From Stream Chain or Steel Wire }		Cir.						Cir.					"	2.90	2 1/2"	12.5	2.90	2 1/2"
	90	5"	-	73	-	-	90	5"	Galv'd	-	-	-	"	2.90	9"	manila	2.90	9"
													"	2.90	4"	"	2.90	4"
													"	2.75	5"	73		

Steering Gear, Steam *John Lynn 16" L<sup>1</sup>d* Steering Gear, Hand *Secondary means ropes & tackle operated from winch*

Boats *2-25 ft life, 2-16 ft jolly.* Steering Chains, Size and Test *1 1/2" 24.15.0.0* Windlass *Emerson Walker & Co. Ltd.*

Ceiling in Holds, thickness and material *W.P.M. 2" over bilges under latches only* Cargo Battens, thickness, material and spacing *2" W.P.M. spaced 9"*

Cargo Hatchways.-(Upper Deck) *Steel plates & angles.* Thickness of Hatches *3" W.P.M.*

Size of No. 1 Hatchway (Forward) *31'-6" x 20'-0"* No. 2 *35'-0" x 20'-0"* No. 3 *21'-0" x 20'-0"* No. 4 *35'-0" x 20'-0"* No. 5 *32'-8" x 20'-0"* No. 6

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

For William Gray & Co., Limited.

Builder's Signature

*Thos. S. Simpson*

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 constructed in accordance with the approved plans, Rules & Secretary's letters. The materials & workmanship are good.*

*The freeboard has been verified and the marks cut in on the vessel's sides. The peak tanks, double bottom tanks including dry tank under Boilers tested under water pressure in accordance with the rule requirements, the stokehold w.t. bulkhead & fore peak w.t. bulkhead above tank flat have been hose tested and found satisfactory, & hand pump to fore peak flat tested.*

*The approved plans (10) Midship Section, Profile & decks, Hatch side Girders, Balanced Reaction Rudder, Bottom stiffening forward, Topside plating, Fore & aft Peak bulkheads, Part plan of Tunnel, Quadrant & tiller, (Pumping) also two forging certificates also midship section, Profile & decks as built.*

The amount of Entry Fee ..... £ 9 : : : Fees applied for,

Special Survey Fee.... £ 332 : 5 : 6

Freeboard Travelling Expenses, if any £ 9 : 3 : 4

Received by me, 11.3.30

I am of opinion the Vessel should be Classed *100 A1.*

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

Signature

*W. P. Collings*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *SUNDERLAND*

Date of issue *12/3/30*

Committee's Minute

FRI. 28 FEB. 1930

Character assigned

*+ 100 A1*

*Lloyd's ar. cl. + Lmb 2.30. 22, CL*

*Write H. M. J.*



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Lloyd's Register Foundation

W226-0215 (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.)

The vessel has proceeded to West Hartlepool for completion & installation of machinery. To complete the survey the following remain to be done: The decks, the two intermediate W.S. bulkheads in the forward holds, Engine room and After main W.S. bulkheads, tunnel, r.w.s. doors to be hose tested, Ash chute to test. Steam & Auxiliary steering gear to be examined tried under working conditions. Scuppers in five decks, storm boards in tonnage openings to be fitted. Engine & Boiler casings to rivet & caulk after installation of machinery.

The following wire ropes to be supplied to complete the equipment.

One - 90 fathoms of 5" stream wire.

One - 120 " " 4" towline.

Two - 90 " " 2 3/4" wire hawsers.

Two - 90 " " 2 1/2" " "

Two - 90 " " 9" Manila hawsers

Two 90 " " 7 " "

Note: Please return plans to the Sunderland office for the sister vessel now building. W.P.C.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	45.1.21	L.R.	403.	18.10.29
	2nd "	43.3.0	M.B.	7243.	27.11.29.
	3rd "	38.1.4	K.H.	4014.	15.10.29.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.08 ft., R.Q.D. ✓ ft., Bridge 208.0 ft., Forecastle 36.08 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 (H.C.)

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

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.		Water Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	134.66	454		Fore peak tank,	21.45	114	
Double bottom, under Engines and Boilers,				After peak tank,	22.0	154	
Double bottom, if under Engines only,	23.33	102		Deep tank, aft,			
Double bottom, if under Boilers only, 104	18.66			Deep tank, forward,			
Double bottom, forward,	193.66	690		Other tanks, if fitted,			
	Total capacity of double bottom	1246		(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. 14. 9. 29

Date

Dates of Surveys held while building

1929. July, 15. 17. 19. 22. 24. 29. 31. Aug. 2. 7. 9. 12. 21. 27. 29. Sep. 2. 6. 10. 24. 26. 27. Oct. 1. 8. 10. 11. 15. 18. 22. 25. 29. 31. Nov. 4. 6. 8. 13. 14. 15. 18. 20. 22. 25. 28. Dec. 2. 3. 5. 6. 9. 10. 11. 12. 13. 16. 18. 23. 31.  
1930. Jan. 8. 55 also see C. H. P. report

Total No. of Visits