

STEEL STEAMER ~~or MOTORSHIP~~

Received at London Office -5 FEB 1936

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 27. 1. 36Port of GLASGOWNo. 56559Survey held at BOWLINGDate First Survey 25th July 1935 Last Survey 21st January 1936

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

SINGLE SCREW "NAHOON"MACHINERY AFT.

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

FULL SCANTLING.State Type of Erections R. 0° D. BRIDGE & POLE

TONNAGE under Tonnage Deck...

528.51CLASS 100A1

State if with freeboard as condition of Class

No

Built at

BOWLING.

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)

189.5Launched 10th DECEMBER 1935 Yard No. 334

Total

528.51

Breadth (greatest moulded)

B 30.75Builders SCOTT & SONS.

Gross Tonnage

787.90

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

D 13.75Owners SMITH'S CONSTERS (PROPRIETARY) LTD

Register Tonnage

363.201st Longitudinal Number (L x D)..... = 2605.62Managers C. G. SMITH & CO LTD

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

2nd Numeral L x (B + D)..... = 8432.75

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

U. D. 11.14
R. 0° D. 15.25Residence 301 SMITH STREET. DURBAN.

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

U. D. 13.75
R. 0° D. 10.67Port of Registry PORT NATAL

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 as App ^d		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted as App ^d
FRAMES, Spacing amidships	22"			✓	Bracket Floors, Frame				
" " from $\frac{3}{8}$ length to Collision bulkhead	22"			✓	" " Reversed Frame				
" " in peaks	22"			✓	" " Vertical Struts				
DE FRAMING.					Centre Girder, depth and thickness amidships	34"	38"	38"	IN FOR D.B. TANK ✓
Frame Amidships, Angle, \angle or \square	R. 0° D. 5 1/2	3	34	✓	" " top Angles	3	3	34	✓
" " Extends up to	WEATHER D ^s			✓	" " bottom Angles	3	3	38	✓
Reversed Frame Amidships, Angle					Side Girders, No. each side and thickness	1	2	28	✓
" " Extends up to					Margin Plate depth (excl. of flange) and thickness	25 1/2	32	21	✓
Depth of Framing Girder					" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3	3	38	✓ 3 x 3 x 28
Frames in Uppermost Continuous 'tween Decks, Angle, \angle or \square					" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	3	3	38	✓ 3 x 3 x 28
" " Second 'tween Decks, Angle, \angle or \square					" " Gussets, spacing and scantling abaft 1/4 len. from stem	31	EVERY 2 nd	28	✓
" " Third " " "					" " Gussets, spacing and scantling forward 1/4 len. from stem	31	"	28	✓
Framing in Peaks, Angle or \angle or \square	FORE PEAK RET. PEAK	4 1/2	3	29	Tank Side Brackets, height above base line at toe of Frame and thickness	34	29	30	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships		3/4 R	2	5 1/4	INNER BOTTOM PLATING.				
State if Frame Joggled	No.				Breadth and thickness of Middle Line Strake	40	34		✓
STRENGTHENING ARRANGEMENTS (Sec. 7), state system and particulars	STEEL D ^s FITTED AS APP ^d			✓	Thickness of remainder in Holds		30		✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	SOLID FLOORS. INTER ^s ANG FR ^s 4 x 3 x 30 & ADDIT ^s GIRDERS FOR ^s of 1/2 ALTH			✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in B. space and framing in Bunkers and Boiler Room?		YES.		✓
SINGLE BOTTOM.					BEAMS. RAISED QUARTER				
Floors, Depth and thickness at mid-line in Holds	SINGLE BOTTOM				Uppermost Continuous Deck, amidships	6	3	32	EVERY FRAME
Height of Brackets at side above base line at toe of frame	IN THE				" " in Way of Bridge, Angle, \angle or \square	6	3	32	✓
Middle Line Keelson, on Floors, Angles, \angle or \square	MACHINERY SPACE				" " " " " "	6	3	32	✓
" " " Through Plate or Intercoastal Plate	AS APP ^d			✓	Spacing				✓
" " " Foundation Plate on Floors					Second Deck, amidships, Angle, \angle or \square				
" " " Flat Plate Keel Angles					Spacing				
Side Keelsons, No. each side					Third Deck, amidships, Angle, \angle or \square				
" " thickness of Intercoastal Plate					Spacing				
" " Angles					Fourth Deck, amidships, Angle, \angle or \square				
DOUBLE BOTTOM.					Spacing				
Solid Floors, thickness and spacing	28 EVERY FB			✓	Poop Deck, Angle, \angle or \square				
" " Are Frame and Reversed Frame joggled?	No			✓	Spacing				
Bracket Floors, breadth and thickness at middle line				✓	Bridge Deck, Angle, \angle or \square	6	3	40	✓
" " breadth and thickness at margin plate				✓	Spacing				ALTER ^s FRAMES.
					Forecastle Deck, Angle, \angle or \square	5 1/2	3	34	✓
					Spacing				ALTER ^s FRAMES & AS APP ^d

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.
PILLARS, No. of Rows..... <i>ONE</i>				
„ in 'tween Decks, Size and Spacing.....	<i>PILLARS AT</i>			
„ „ „ „ „	<i>CENTRE LINE</i>			
„ in Holds „ „	<i>AS PER</i>			
„ „ „ „ „	<i>APP^d PLAN.</i>			
Centre Line Bulkhead.				
Stiffeners and Spacing.....				
Plating, thickness of				
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	<i>75 1/4</i>	<i>39</i>		
„ „ „ „ in way of Bridge		<i>47</i>		
„ Angle in Wells	<i>5</i>	<i>5</i>	<i>39</i>	
Thickness of Plating abreast Deck openings in way of Wells				
Thickness of Plating abreast Deck openings in way of Bridge	<i>26 SHEATHED WITH 5 x 2 1/2 H.P.</i>			
Thickness of Plating within line of openings...	<i>30 FORWARD of HATCH.</i>			
If Sheathed, material and thickness				
RAISED Q^B				
Second Deck.				
Stringer Plate, breadth and thickness in Wells...	<i>73 1/2</i>	<i>33</i>		
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 <i>E. & B. CASING.</i>			<i>32 & 33</i>	
Thickness of Plating within line of openings...			<i>30</i>	
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.....			<i>31</i>	<i>26</i>
Plating, Sheathing, material and thickness			<i>TIES 9" x 26</i>	
			<i>2 1/2" TERK (EXPOSED) ELSEWHERE 2 1/2" H.P.</i>	
Forecastle Deck.				
Stringer Plate, breadth and thickness.....			<i>36</i>	<i>26</i>
Plating, Sheathing, material and thickness			<i>30 UNDER WINDLASS</i>	<i>31</i>
			<i>26 TIES.</i>	
			<i>5" x 3" TERK.</i>	

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>ORDINARY</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.
FLAT PLATE KEEL	40"	47	43	43	✓	DOUBLE	3/4	3 1/4	3R	3/4	2 9/8	STRAPPED	
" DECK (if any)	2 STRAKES NEXT KEEL (P & S) FORWARD OF 1/2 LTH TO RULE POSITION OF COLL'D BHD 41 ✓												
BOTTOM PLATING, No. of Strakes ... 3		37	33	33	✓	DOUBLE	3/4	3 1/4	2R	3/4	2 5/8	LAPPED	
BILGE PLATING, No. of Strakes ... 1		37	33	33	✓	"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes ... 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100		37	33	33	✓	SINGLE	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Well	45"	52	33		✓	"	"	"	3R - 2R	7/8 - 3/4	3 1/8 - 2 5/8	"	
UPPER DECK, Sheer-strake in Bridge	45"	75			✓	"	"	"	3R	7/8	3 1/8	"	
STRAKE BELOW Sheer-strake in Well	45"	44	33		✓	"	"	"	3R - 2R	3/4	2 5/8	"	
RAISED OR DECK STRAKE BELOW Sheer-strake in Bridge	45"	42		33	✓	"	"	"	3R - 2R	"	"	"	
STRAKE BELOW R. Q. D'S	45"	41		33	✓	"	"	"	3R - 2R	"	"	"	
POOR SIDE PLATING SHEER STRAKE		26			✓	"	"	"	2R	"	"	"	
BRIDGE SIDE PLATING ...					✓	"	"	3"	1R	"	"	"	
FORECASTLE SIDE PLATING			26		✓	"	"	3"	1R	"	"	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 3. ✓

Extending to Upper Deck (Sec. 3 c) 3 ✓

Deck next below.....✓

As per Rule **3.**

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD,	Upper tween-decks					
"	Second					
"	Third					
"	Holds	40'-26	B.A. 8 x 3 x 40	30"	✓	✓
COLLISION	(in Hold)	38'-30	A.M.G. 6 x 3 x 38	24"	F.P.N.T. FLAT.	
AFTER PEAK	"	37'-30	B.A. 5 x 3 x 38	24"	2 x 5 x 3 x 38 B.A. BELOW W.T. FLAT.	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar ✓				
STEM	ROLLED STEEL.	7" x 1 1/4"	✓	
STERN FRAME {	Propeller Post	FORGING 6 1/2" x 4"	T.S. FOSTER	
{	Rudder "	" 6 3/4" x 4"	2 SON L.B.	
Speed of Vessel 10 K.				
RUDDER—Type ORDINARY.				
" A x D 123.6 ✓				
" Diam. of head	FORGING	5 3/8"	T.S.	
" Mainpiece at top pintle		5 3/8"	FOSTER	
" " heel ...		4 1/2"	2 SON L.B.	
" how constructed		BUILT FORGING		
" double or single plate coupling, vertical or horizontal		* 82 SINGLE PLATE.		
		HORIZONTAL		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH PROCESS

STEEL COMPANY OF SCOTLAND L^D ; DORMAN LONG & CO L^D ; COLVILLES L^D ;
LANARKSHIRE STEEL COMPANY L^D.

Has the Steel been tested as required by the Rules? YES.

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.)

List of Plans.

Midship Section; Profile & Decks; Rudder & Sternframe;
Bulkheads; Engine & Boiler Seating; Mast Plan;
Pumping Arrangements.
Midship Section (as built).

Forging Reports. Sternframe; Rudder & Tiller;

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

1 DK (STL).

WELL DECK.

MACHINERY AFT.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	WEIGHT HEAD & PIN. 12 - 0 - 7	SURVEYOR'S INIT ^{ls} J. D.	N ^o CERTIFICATE 784	DATE OF TEST. 1-8-35
	2nd "	12 - 0 - 14	J. D.	853	17-10-35
	3rd "	10 - 1 - 21	J. D.	492	10-5-35

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 106.33 ft., Bridge 12.83 ft., Forecastle 33.67 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 1 DK (STL)

Official No. ; Signal Letters Is bottom of vessel coated with cement BOTTOM WHOLLY CEMENTED 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,			Fore peak tank,	26.84	63
Double bottom, under Engines and Boilers,			After peak tank,	14.66	46
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	111.84	191	Other tanks, if fitted,		
TOTAL LENGTH OF DOUBLE BOTTOM 111.84 ft.		Total capacity of double bottom 191	(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. 6238

Date 17. 7. 35

Dates of Surveys held while building

1935 July: 25. 30. 31 Aug.: 1. 2. 5. 7. 12. 16. 20. 23. 26 Sep.: 2. 5. 10. 12. 13. 16. 17. 18. 23
25. 27 Oct.: 1. 3. 10. 14. 16. 22. 25. 30 Nov.: 1. 4. 7. 11. 12. 14. 18. 20. 25. 27 Dec.: 4. 9. 10
20 (1936) Jan.: 7. 13. 14. 16. 17. 21

Total No. of Visits 51