Rpt. 1.

STEEL STEAMER ~~or MOTORSHIP~~.

14 APR 1928

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 12th April 1928 Port of NEWCASTLE ON TYNE No. 82605

Survey held at Walker on Tyne Date First Survey 12 Oct. 1927 Last Survey 10th April 1928

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw Steamer "ALNWICK" (machinery amidships)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete Superstructure with tonnage opening State Type of Erections Bridge & F'cle on top of superstructure Dk.

TONNAGE under Tonnage Deck	921·10
Do. of space or spaces between Tonnage Dk. and Upper Dk.	✓
Total	921·10
Gross Tonnage	1383·17
Register Tonnage	591·59

REGISTERED DIMENSIONS.

	FEET.
Length	254·0
Breadth	38·75
Depth	14·4

CLASS + 100 A1 — *State if with freeboard as condition of Class* Yes

		FEET.
Length *from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)*	L	253·6
Breadth *(greatest moulded)*	B	38·58
Depth, *at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)*	D	23·54
"D" for Scantlings 16'-8" + 7'-6"	=	24·16
1st Longitudinal Number (L × D)	=	6126
2nd Numeral L × (B + D)	=	15910
Framing Depth "d," *at middle of length. See Sec. 3 (1d)*		13·92
Proportions—*Depth to Length—Uppermost continuous deck to top of keel*	253·6 / 23·54	= 10·77
Do. Long Bridge to top of keel		✓
Draught Moulded		16'-1½"

Built at Walker on Tyne

Launched 6 March 1928 Yard No. 1268

Builders Swan Hunter & Wigham Richardson Ltd.

Owners Tyne-Tees Steam Shipping Co. Ltd.

Managers ✓ *(Where necessary to be entered in Reg. Book.)*

Residence ✓

Port of Registry Newcastle

If surveyed while building, afloat, or in dry dock Special Survey

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships		25		
" " from ¼ length to Collision bulkhead		25		
" " in peaks		24		
SIDE FRAMING.				
Frame Amidships, i.e. in Coal Bunker ~~Angle, [or~~ [	7	3	·41	
Frames in Holds & Tk. [	7	3	·35	
" " Extends up to	Second Dk.			
Reversed Frame Amidships, Angle		✓		
" " Extends up to		✓		
Depth of Framing Girder		✓		
Frames in Uppermost Continuous 'tween Decks, ~~Angle, [or~~ [	5 ×	3 ×	·30 [	on every frame in way Bridge 37-73 fr. & ford of 1/5 L from stem.
" " **Second 'tween Decks,** Angle, [or [	— & Elsewhere as approved			
" " **Third** " " " "				
Framing in Peaks, ~~Angle or~~ [	5½	3	·30	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	¾" Rivets 5¼" apart			
State if Frame Joggled		Yes		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Deep frames 7½ × 3 × ·43 [& 2 stringers as approved.			[to 2nd Dk.
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Midship thickness of 2 strakes of bottom plating maintained to rule position of Collision Bhd. Addl. intercostals fitted & bottom frames doubled.			
SINGLE BOTTOM. in Boiler Room.				
Floors, Depth and thickness at mid-line in Holds		23 × ·50		
Height of Brackets at side above base line at toe of frame		44"		
Middle Line Keelson, on Floors, Angles, [or [		✓		
" " " Through Plate ~~or Intercostal Plate~~		·57		
" " " Foundation Plate on Floors		36 × ·50		
" " " Flat Plate Keel Angles	3½ × 3½ × ·46			
Side Keelsons, No. each side	One & Continuous girder line with tank margin 24½ × ·50 with 12" flange.			
" " thickness of Intercostal Plate		·49		
" " Angles	21 × ·50 plate on top of floors.			
DOUBLE BOTTOM.				
Solid Floors, thickness and spacing		·34" @ 25"		
" " Are Frame and Reversed Frame joggled?	Frame joggled			
Bracket Floors, breadth and thickness at middle line		✓		
" " breadth and thickness at margin plate		✓		

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
Bracket Floors, Frame		✓		
" " Reversed Frame		✓		
" " Vertical Struts		✓		
Centre Girder, depth and thickness amidships	33 × ·44			
" " top Angles Dble.	3	3	·42	
" " bottom Angles Dble.	3½	3½	·46	
Side Girders, No. each side and thickness	one	C.	·34	
Margin Plate depth (excl. of flange) and thickness	24½ × ·40			
" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem	3	3	·34	Single
" " Vertical Angle to Tank side Bracket forward ¼ len. from stem	3	3	·34	Single
" " Gussets, spacing and scantling abaft ¼ len. from stem	·34 Gusset plates every 5th fr. in E.R.			
" " Gussets, spacing and scantling forward ¼ len. from stem	Gusset plates ·34" every 3rd fr. in No. 1 Hold.			
Tank Side Brackets, height above base line at toe of Frame and thickness		44"		
INNER BOTTOM PLATING.				
Breadth and thickness of Middle Line Strake	45 × ·40			
Thickness of remainder in Holds		·34		
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 & as approved.			
BEAMS.				
Uppermost Continuous Deck, amidships in Wells, ~~Angle, [or~~ [	5½	3	·38	Thro' beams.
" " in way of Bridge, ~~Angle, [or~~ [	7½	3	·40	on alt.
	5½	3	·38	
Spacing	25 & 50"			
Second Deck, amidships, Angle, [or [	9	3	·48	
Spacing		50"		
Third Deck, amidships, Angle, [or [		✓		
Spacing				
Fourth Deck, amidships, Angle, [or [		✓		
Spacing				
Poop Deck, Angle, [or [		✓		
Spacing				
Bridge Deck, ~~Angle, [or~~ [	7½	3	·38	
Spacing		50		
Forecastle Deck, ~~Angle, [or~~ [	6½	3	·34	
Spacing	24 & 25			

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PILLARS AND DECKS.

	Inches in Ship.		Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows ... Generally	1 row & at		Hatch Corners
„ in Upper 'tween Decks, Size and Spacing ...		2½" @ 50 & see profile	"
„ „ „ „ „		✓	
„ in Holds „ „	4"	@ 50"	
	3¼" aft	@ 50	"
„ „ „ „ „			
Centre Line Bulkhead. Stiffeners and Spacing ...		✓	
Plating, thickness of ...		✓	
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells	75 × ·40		✓
		·60 at	Breaks ✓
„ „ „ „ in way of Bridge	75 × ·38		✓
„ Angle in Wells ...	3½ × 3½ × ·40		✓
Thickness of Plating abreast Deck openings in way of Wells ...		·32	✓
Thickness of Plating abreast Deck openings in way of Bridge ...	·32	& ·34	✓
Thickness of Plating within line of openings...		·30	✓
If Sheathed, material and thickness ...	1¼ Composition & 5×2½ P.P. over accn. aft		
Second Deck. Stringer Plate, breadth and thickness in Wells...	7½	× ·37	✓

	Inches in Ship.		Any Departure from Approved Plans to be Noted.
Stringer Plate, breadth and thickness in way of Bridge ...	7½ × ·37		✓
	44½ ×	·52	in way Boiler Casing
Thickness of Plating abreast Deck openings in way of Wells ...		·34	✓
Thickness of Plating abreast Deck openings in way of Bridge ...		·34	✓
Thickness of Plating within line of openings...		·34	✓
If Sheathed, material and thickness ...	1¼" Composition for & aft		
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...		55½ × ·34	✓
Plating, Sheathing, material and thickness ...	·32	5×2½	P.P. where exposed
Forecastle Deck. Stringer Plate, breadth and thickness...	31 × ·34		✓
Plating, Sheathing, material and thickness ...	·34	5×2½	P.P. Sheathing

SHELL PLATING.

STRAKES.	SCANTLINGS. As in Vessel. Amidships. Breadth. (Inches)	Amidships. Thickness. (Inches)	Forward. Thickness. (Inches)	Aft. Thickness. (Inches)	Any Departure from Approved Plans to be Noted.	RIVETING. Edges (State if joggled? No). Single or Double.	Edges. Rivets. Diam. (Inches)	Edges. Rivets. Spacing cr. to cr. (Inches)	Butts. No. of Rows of Rivets.	Butts. Rivets. Diam. (Inches)	Butts. Rivets. Spacing cr. to cr. (Inches)	Butts. Strapped or Lapped.
Flat Plate Keel ...	44½	·51	·48	·48	✓	Double	7/8	3½	3	7/8	3⅛	Lapped
„ Dblg. (if any)	✓											
Bottom Plating, No. of Strakes ... 2	✓	·44	·40	·40	✓	"	3/4	3	3 for ½ L	3/4	2⅝	"
Bilge Plating, No. of Strakes ... 1	✓	·44	·40	·40	✓	"	"	"	"	"	"	"
Side Plating, No. of Strakes ... 2	✓	·44	·40	·40		Double & Single	3/4	3	"	"	"	"
Upper Deck, Sheer-strake in ~~Wells~~ ...	54	·48	·40	·40	Rule 4) × ·48 ✓	Single Dble. at breaks	"	"	3	"	"	"
Upper Deck, Sheer-strake in Bridge ...		·44			✓	"	"	"	3	"	"	"
Strake below Sheer-strake in ~~Wells~~ ...	65	·46	·40	·40	Rule 4) × ·48 ✓	Single	"	"	3	"	"	"
Strake below Sheer-strake in Bridge ...	65	·44			✓	"	"	"	3	"	"	"
Poop Side Plating ...		✓										
Bridge Side Plating ...		·40			✓	One Strake	3/4	3	3	"	"	"
Forec'tle Side Plating		·33			✓	Single	"	"	1 & 2	"	"	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 5

Extending to Upper Deck (Sec. 3 c) 1

„ Deck next below 4

As per Rule 4

	Plating Thickness.	Stiffeners. Vertical. Scantlings.	Vertical. Spacing.	Horizontal. Scantlings	Horizontal. Spacing.
MIDSHIP BULKH'D, Upper tween decks	✓	✓		✓	
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds 65ft.	·30 - ·39	7½ × 3 × ·40 L	@ 30"		
COLLISION „ (in Hold)	·32 - ·39	6 × 3 × ·36 L	@ 24"		
AFTER PEAK „ „	·30 - ·36	5 × 3 × ·36 L	@ 24"		

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar ...	Flat plate keel			✓
STEM ...	Rolled Steel Bar	8⅜ × 2	Frodingham	8⅛ × 2 1/16
STERN FRAME Propeller Post ...	Forging	7⅝ × 5½	Sunderland Forge	✓
Rudder „ ...	"	6⅞ × 5½	"	✓
RUDDER—A×D ...	199			✓
Speed of Vessel ...	13½	Knots		✓
RUDDER mainpiece at head ...	Forging	7¼	John Rogerson & Co.	✓
„ „ heel ...	"	5½		✓
„ how constructed ...	Forged & built			✓
„ double or single plate	Single	1·00		
„ coupling, vertical or horizontal	horizontal			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth Consett, Bolckow Vaughan, Pease & Partners, Skinningrove Iron Works, Cargo Fleet, Lanarkshire Steel, South Durham, Dorman Long. Has the Steel been tested as required by the Rules? Yes

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EQUIPMENT No. 16639 LETTER 9 ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight Required by Table 53. Cwts.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
30680	1st Bower ...	31	2	14	Stockless			29	16	3	14		Byers Improved	–	Sunderland 17.1.28 J.A. Butler
30681	2nd " ...	31	2	0		"		29	15	0	0		"	–	" " "
30678	3rd " ...	31	1	14		"		29	13	0	14		"	–	" 16.1.28 "
	Collective weight.	94	2	0								94 Cwts.			
30782	Stream	8	2	7	2	1	0	10	15	0	0	8½ Ex. Stock	Forged Wrt. Iron	✓	" 9.2.28 "

CHAIN CABLES. HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied. Length.	Diam.	Test per Certificate. Statutory.	Breaking.	Weight of Chain Cable. Supplied.	Per Rule.	Length and Size per Table 53. Length.	Diam.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material	Length and Size supplied. Length.	Cir.	Breaking Test of Steel Wire.	Length and Size per Table 53. Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
												TOWLINE...	90	3½	26	90	3½
15686	210	1 11/16	51¼	71¾	312.1.9	344¾	240	1 11/16	Stud link	✓	Sunderland 10.2.28 J.A. Butler	HAWSERS & WARPS	2@90	2¼	9½	2@90	2¼
15601 B	30	1 11/16	51¼	71¾	43.0.14					✓	" 31.1.28 "	"	2@90	1¾	6	2@90	1¾
~~Iron~~ Stream ~~Chain~~ or Steel Wire	75	Cir. 4	33				75	Cir. 4				"					

Steering Gear, Steam Donkin & Co's Combined Hand & Steam Steering Gear **Steering Gear, Hand** also tackle to winch

Boats Five **Steering Chains,** Size and Test ✓ **Windlass** Steam

Ceiling in Holds, thickness and material 2½" W.W. under Hatches **Cargo Battens,** thickness, material and spacing 7" × 1½" W.W. 9" apart

Cargo Hatchways.—(Upper Deck) Usual Construction plates & angles **Thickness of Hatches** 2½" wood.

Size of **No. 1 Hatchway** (Forward) 18'-9" × 14' **No. 2** 27'-1" × 16' **No. 3** 27'-1" × 16' **No. 4** – **No. 5** – **No. 6** –

Number of **Shifting Beams** and/or **Fore and Afters** 3 webs to No. 1 Hatch & 4 to Nos. 2 & 3.

FOR SWAN, HUNTER & WIGHAM RICHARDSON, LTD.

Builder's Signature J. Denham Christie DIRECTOR

GENERAL DECLARATION This vessel has been constructed in accordance with the approved plans, the Secretary's letters and in general conformity with the Society's Rules for the class contemplated. The materials and workmanship are good.
The decks, bulkheads, tunnel, W.T. door, cargo doors and sidelights in shell, have been hosed & found satisfactory.
The double bottom tanks & fore and after peak tanks have all been tested as required by the Rules and found satisfactory. The freeboard markings have been cut in on the vessel's side and verified in accordance with the Secretary's letter of assignment. The hand pump to chain locker flat, the Port & Starbd. downton pumps & the tunnel W.T. door have been tested & found in good working order.
The approved plans 14 in number, including midship section and profile & decks as built are sent herewith. There are no duplicate vessels.
Forging reports also enclosed.

The amount of Entry Fee ...... £ 5 : – : –

Special Survey Fee.... £138 : 6 : –

Freeboard £ 4 : 11 : 8

Travelling Expenses, if any £ – : –

Fees applied for, 11·4· 1928

Received by me, 13·4· 1928

I am of opinion the Vessel should be Classed ✠ 100 A1 with freeboard

State whether the Vessel has been built under Special Survey Yes

Signature A. J. Akester.

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to NEWCASTLE-ON-TYNE Date of issue 18/4/28

Committee's Minute TUES. 17 APR 1928

Character assigned ✠ 100 A1 With Freeboard

Lloyd's A&CP ✠ LMC 4:28

F.D. Cl.

The Surveyors are requested not to write on or below the Committee's Minute

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2123 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	Excluding pins	c. qrs. lbs. 17. 3. 4	Including pins	c. qrs. lbs. 19. 2. 21	R.W.F.	№ 6516	8.8.27
2nd „	" "	17. 2. 27	" "	19. 2. 14	K.H.	№ 5068	29.12.27
3rd „	" "	18. 0. 6	" "	19. 3. 14	K.H.	№ 5069	29.12.27

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge 75 ft., Forecastle 29.5 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Complete Shelter Deck with tonnage opening at the after end 4'-2" x 16'-0". Bridge & f'cle on Shelter Dk.

No. and Material of Decks (*this information is to be given as it should appear in the Register Book*) 1 Dk (Stl.) & Shelter Dk (Stl.)

Official No. 149,463 ; Signal Letters ✓ Is bottom of Vessel coated with cement ... if not give particulars of composition Generally fillets of Cement only in tanks. Cement in peaks.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, fr. 12-37	52-1	37	Fore peak tank,	16'-8"	17
Double bottom, under Engines and Boilers,			After peak tank,	14'-0"	12
Double bottom, if under Engines only, Feed Tank fr. 37-48	22'-11"	32	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,			Deep tank, forward,	✓	✓
Double bottom, forward, fr. 59-114	114'-7"	145	Other tanks, if fitted,	✓	✓
	Total capacity of double bottom	214	(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. 5261

Date 21.1.28

Dates of Surveys held while building

1927 OCT. 12. 21. 31. NOV. 3. 7. 14. 17. 24. DEC. 1. 5. 7. 14. 21. 28. 1928 JAN. 4. 5. 9. 10. 12. 17. 20. 26.

FEB. 2. 6. 8. 9. 10. 13. 14. 17. 21. 27. MAR. 2. 5. 7. 12. 13. 14. 15. 16. 19. 20. 21. 23. 26. 27. 30. APL. 2. 4. 10.

Total No. of Visits 50

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Rpt. 4.

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Date of writi

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Reg. Book.
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NOTE.—The words which do not apply should be deleted. — If a Report also se