

STEEL STEAMER or MOTORSHIP.

Received at London Office 24 OCT 1924

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 20th October, 1924Port of Newcastle-on-TyneNo. 78442Survey held at BlythDate First Survey 16th January 1924Last Survey 15th October 1924On the (State if Machinery fitted fit and if Single, Twin or Triple Screw) Single Screw Steamer "SHEAF CREST"State Type (Full scantling, Complete Superstructure with or without Tonnage Openings) Full scantling; "ank" system.State Type of Erections Poop & Pile.TONNAGE under Tonnage Deck 2438.27CLASS 100 A.1.State if with freeboard as condition of Class yes.Built at BlythDo. of space or spaces between Tonnage Deck and Upper Deck 291.72Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 319.79Launched July 31st 1924 Yard No. 231Total 2729.99Breadth (greatest moulded) B 42.75Builders Blyth S.B. & D.D. Co. Ltd.Gross Tonnage 2729.99Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 26.80Owners Sheaf Steam Shipping Co. Ltd.Register Tonnage 1617.301st Longitudinal Number (L x D) =Manager W. A. Souter & Co.

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

2nd Numeral L x (B + D) =Residence Akenside House Newcastle.REGISTERED DIMENSIONS.
FEET.Length 320.2Breadth 42.9Depth 24.3Framing Depth "d," at middle of length. See Sec. 3 (1d) =Proportions—Depth to Length—Uppermost continuous deck to top of keel =
Do. Long Bridge to top of keel =Draught Moulded =Port of Registry NewcastleIf surveyed while building, afloat, or in dry dock yes.

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.
ES, Spacing amidships	30"	✓	Bracket Floors, Frame	"	
" from 1/2 length to Collision bulkhead	24"	✓	" " Reversed Frame	✓	
" in peaks	24"	✓	" " Vertical Struts	✓	
FRAMING.			Centre Girder, depth and thickness amidships	40 x 46	✓
ue Amidships, Angle <u>E or C</u>	9 1/2 3 1/2 52	✓	" " top Angles <u>single</u>	6 6 44	✓
" Extends up to	upper Dk.	✓	" " bottom Angles	6 6 58	✓
rsed Frame Amidships, Angle <u>none</u>	Bulb angle frames fitted	✓	Side Girders, No. each side and thickness	12 x 36	✓
" Extends up to		✓	Margin Plate depth (excl. of flange) and thickness	Tank top level.	✓
h of Framing Girder	9 1/2"	✓	" " Vertical Angle to Tank side	✓	
es in Uppermost Continuous 'tween Decks, Angle, <u>C</u> or <u>C</u>	✓		" " Bracket abaft 1/2 len. from stem	✓	
" Second 'tween Decks, Angle, <u>C</u> or <u>C</u>	✓		" " Vertical Angle to Tank side	✓	
" Third " " "	✓		" " Bracket forward 1/2 len. from stem	✓	
ing in Peaks, Angle <u>C</u>	6 3 38	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	✓	
eter and Spacing of Rivets through Shell Plating	3/4" @ 4 1/2"	✓	" " Gussets, spacing and scantling forward 1/2 len. from stem	✓	
if Frame Joggled	yes.	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	5'-6" 38	✓
NG ARRANGEMENTS (Sec. 7), state system and particulars	Reverse frames 4 x 3 x 36 fitted to frames 116-125 (incl.) 2 side stringers fitted. Half height intercostals fitted. A.B.C. strakes midship thickness maintained to Collision bulkhead	✓	INNER BOTTOM PLATING.		
GTHENING OF BOTTOM FOR.			Breadth and thickness of Middle Line Strake (3m holds.)	76 x 48 47	✓
RD. State Particulars			Thickness of remainder in Holds	50 48	✓
BOTTOM.			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.	
s, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships in Wells, Angle, <u>E or C</u>	8 1/2 3 44	✓
e Line Keelson, on Floors, Angles, <u>C</u> or <u>C</u>	✓		" " in way of Bridge, Angle, <u>C</u> or <u>C</u>	✓	
" Through Plate or Intercostal Plate	✓		Spacing	Every frame	✓
" Foundation Plate on Floors	✓		Second Deck, amidships, Angle, <u>C</u> or <u>C</u>	✓	
" Flat Plate Keel Angles	✓		Spacing	✓	
eelsons, No. each side	✓		Third Deck, amidships, Angle, <u>C</u> or <u>C</u>	✓	
" thickness of Intercostal Plate	✓		Spacing	✓	
" Angles	✓		Fourth Deck, amidships, Angle, <u>C</u> or <u>C</u>	✓	
BOTTOM.			Spacing	✓	
Floors, thickness and spacing	36 Every frame	✓	Poop Deck, Angle, <u>E or C</u>	6 1/2 3 34	✓
" Are Frame and Reversed Frame joggled?	Frames only	✓	Spacing	under 1/2 5 1/2 3 34 alt. frame	✓
at Floors, breadth and thickness at middle line	✓		Bridge Deck, Angle, <u>C</u> or <u>C</u>	✓	
" breadth and thickness at margin plate	✓		Spacing	✓	
			Forecastle Deck, Angle, <u>E or C</u>	5 1/2 3 36	✓
			Spacing	angle 5 1/2 3 34	✓

W449-0263 (1/2)

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.....				Stringer Plate, breadth and thickness in way of Bridge			
„	7' clc & poop in 'tween Decks, Size and Spacing.....	2 1/2" dia. on alternate frames		Thickness of Plating abreast Deck openings in way of Wells			✓
„	„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge			
„	in Holds „ „	Flanged brackets .38 in way of weig platforms & arch webs as per midship section & profile		If Sheathed, material and thickness			
„	„ „ „ „ „			Third Deck.			
Centre Line Bulkhead.				Stringer Plate, breadth and thickness.....			✓
Stiffeners and Spacing.....		✓		If Plated, state thickness.....			
Plating, thickness of		✓		Fourth Deck.			
STRINGERS AND DECKS.				Stringer Plate, breadth and thickness.....			✓
Uppermost Continuous Deck.				If Plated, state thickness			
Stringer Plate, breadth and thickness in Wells		70 X .84 ✓		Poop Deck.			
„	„ „ „ „ in way of Bridge <i>amidships</i>	54 1/2 X .50 ✓ 54" q.p.r.		Stringer Plate, breadth and thickness		33 X .30 ✓	
„	Angle in Wells	6 6 .70 ✓		Plating, Sheathing, material and thickness30, <i>Sheathing 5 X 2 1/2 P.P.</i>	
Thickness of Plating abreast Deck openings in way of Wells <i>Stringer Plate</i>84/.52 ✓		Bridge Deck.			
Thickness of Plating abreast Deck openings in way of Bridge <i>Casing</i>40 ✓		Stringer Plate, breadth and thickness.....			✓
If Sheathed, material and thickness		None ✓		Plating, Sheathing, material and thickness			
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...		✓		Stringer Plate, breadth and thickness.....		36 X .32 ✓	
				Plating, Sheathing, material and thickness32, <i>Sheathing under weathless 4" P.P.</i>	

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <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.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	47	58	54	54		Double	7/8	3 1/2	Treble	7/8	3 1/8	Lapped
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes 3	68	54	42	42		✓	3/4	3	✓	3/4	2 5/8	✓
BILGE PLATING, No. of Strakes 1	66	54	42	42		✓	✓	✓	✓	✓	✓	✓
SIDE PLATING, No. of Strakes 2	68	54	42	42		✓	✓	✓	✓	✓	✓	✓
UPPER DECK, Sheer-strake in Wells.....	52	70	42	42	49 1/2" appr.	✓	7/8	3 1/2	Quad.	7/8	3 1/2	✓
UPPER DECK, Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
STRAKE BELOW Sheer-strake in Wells.....	68	54	42	42	68 1/2" appr.	✓	7/8	3 1/2	Treble	3/4	2 5/8	✓
STRAKE BELOW Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
POOP SIDE PLATING	✓	✓	✓	34		Single	3/4	3	Single	5/8	2 1/4	✓
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
FORE'C'TLE SIDE PLATING	✓	✓	36	✓		Single	3/4	3	Single	3/4	2 5/8	✓

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.	
Extending to Upper Deck (Sec. 3 c)..... 5										
,, Deck next below..... ✓										
As per Rule..... 5										
						STIFFENERS.				
						Plating Thickness.	VERTICAL.		HORIZONTAL.	
							Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Holds between decks... (Bulk L ^d)										
"	"	"	"	"	"	at Frame 55	.38/30	11 x 3 1/2 x .48	30"	✓
"	"	"	"	"	"	W.T. { 79	.44/34	11 x 3 1/2 x .48	30"	✓
"	"	"	"	"	"	101	.38/30	11 x 3 1/2 x .48	30"	✓
"	"	"	"	"	"	NON-W.T. 73	.36/30	3 x 3 x .38	36"	✓
"	"	"	"	"	"					
"	"	"	"	"	"					
"	"	"	"	"	"	Holds				
COLLISION	"	"	"	"	"	(in Hold) 12.6	.34/26	7 1/2 x 3 x .42	24"	W.T flat.
AFTER PEAK	"	"	"	"	"	11.....	.34/26	7 x 3 x .42	24"	Tunnel Recess.
						KEEL, Bar.....	# lat plate.			
						STEM.....	Forging 8" x 2 1/4	Frothingham S. & J. Co.		
						STEERN FRAME {	Propeller Post.....	Forging 9 x 5 3/4	Blelands Lt ^a	} Wellington Quay
							Rudder.....	Forging 8 x 5 3/4		
						RUDDER—A x D.....	240			
						Speed of Vessel.....	11 knots			
						RUDDER mainpiece at head ...	Forging 7 1/2"	Blelands Lt ^a	} Wellington Quay	
						" " heel ...	" 5 1/2"			
						" how constructed ...	steel plate built on forged arms.			
						" double or single plate	Single			
						" 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)				
						Baldwin Vaughan & Co.; Co Durham S. & J. Co. Cargo Fleet Iron Co., Dartman Long Iron Co.; S. Colville Sons. Basic Process				
						Has the Steel been tested as required by the Rules? yes.				

EQUIPMENT No.										LETTER <i>F</i>	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.			
28348	1st Bower ...	42	0	0	-	-	-	37	2	2	0	42	Byers Stockless	W. & Byers	Sunderland
28375	2nd „ ...	42	0	0	-	-	-	37	2	2	0	42	„	„	6/8/24 W. H. Diebrecht
28388	3rd „ ...	35	2	0	-	-	-	32	15	0	0	35½	„	„	19/8/24 W. H. Diebrecht
	Collective weight.	119	2	0	-	-	-					119½	„	„	31/7/24 W. H. Diebrecht
58069	Stream	11	0	0	2	3	2	12	17	2	0	11½	Common	„	8/4/24 W. A. Drysdale

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.	
58598	240 1/2	1 7/8	63 1/4	88 1/2	425	3	0	425	1	0	240 1/8	Steel link	✓	Lipton 9/4/24. W.A. Drysdale	TOWLINE	80	4	33	100	4
Iron Stream Chain or Steel Wire	75	Cir. 4 1/4	35	✓	✓	✓	✓	✓	75	Cir. 4 1/4	Steel Wire	Hood & Meggus	We've tested by Hood & Meggus Son at ° N'ele.	HAWSERS & WARPS	" 180	2 1/2	12 1/2	180	2 1/4	

Steering Gear, Steam Donkin 460.

Steering Gear, Hand Westmore Eng. works.

Boats Two @ 23'3" x 16'6"

Steering Chains, Size and Test 1½, Test 13½ tons

Windlass Blakes, Chapman & Co. Ltd.

Ceiling in Holds, thickness and material none fitted.

Cargo Battens, thickness, material and spacing 8" x 2" W. W. Steel

Cargo Hatchways. (Upper Deck) Steel plates & angles, 3'-6" high.

Thickness of Hatches 3"

Size of No. 1 Hatchway (Forward) 38'-6" x 29'-5" No. 2 37'-6" x 29'-5" No. 3 37'-6" x 29'-5" No. 4 40'-0" x 22'-6" No. 5 40'-0" x 22'-6" No. 6

Number of Shifting Beams and/or Fore and Afters 1's 1, 2 & 3 Hatches @ 6 each; No. 4 Hatch @ 7.

FOR AND ON BEHALF OF

BLUTH SHIPBUILDING & DRY DOCKS CO. LD.

Builder's Signature

W. Crozier

MANAGER.

GENERAL DECLARATION This vessel has been built on the "ank" system, with inverted sheer, to the approved plans & in accordance with the Secretary's letter; also in general conformity with the Rules of the Society for 1923-1924. The materials & workmanship are good.

The approved plans & forging reports are forwarded herewith, and it is requested that the plans be returned to this office for reference, during the construction of the remaining sister ships.

Testing of deep tanks, all oil tanks, decks, B.W. Hopper.

The "Sheep Field", & the "Tullochmoor" (Hull Regd Nos 77233 & 78443 resp.) are sister ships, built by the Bluth S.B. & D.D. Co. Ltd.

The amount of Entry Fee £ 6 : 0 : 0

Fees applied for,

Special Survey Fee.... £ 2 11 : 10 : 0

Freeboard £ 8 - 0 - 0

Travelling Expenses, if any £ : : :

Received by me,

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

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

Signature *J. R. Beveridge*

Surveyor to Lloyd's Register of Shipping.

Hull & Mch. Certificate to be sent to

Newcastle

Date of issue 12/11/24

Committee's Minute

TUES 28 OCT '24

Character assigned

100 A1
with freeboard

Lloyd's Regd P.

W. Crozier

W. Crozier

+ L.R. 10.24
C.L.



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Lloyd's Register Foundation

W449-0263 (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	26wt. 1.9+0.00	M.R.	423	26/6/24.
2nd "	26 0 0	M.B.	2032	29/7/24.
3rd "	22 2 0	G.B.	5687	30/5/24.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 21.0 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 26.0 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book)

1. 1st (Stl.) arch deck. Cruiser Stern.

Official No. 148097 ; Signal Letters

If bottom of Vessel has been coated Inside Paint

particulars of composition. Cement in B.R. tanks only.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	85.0	247	Fore peak tank,		48
Double bottom, under Engines and Boilers,	35.0	132	After peak tank,		99
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	P.22'6" S.20'0"	87
Double bottom, if under Boilers only,	✓	✓	Deep tank forward, In E.R.; Stl. & Port sides.	P.15'0" S.12'6"	156
Double bottom, forward,	137.25	386	Other tanks, if fitted,		
Total capacity of double bottom		765	(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. 5005

Date 10/1/24

Dates of Surveys held while building

1924
Jan. 16. 24. Feb. 5. 7. 11. 14. 18. 22. 25. 28. Mar. 3. 4. 10. 11. 21. 24. 28. Apr. 2. 4. 7. 11. 17. 24. 25. 30. May 4. 9. 13. 14. 15. 19. 20.
26. 28. 29. June 2. 3. 11. 12. 18. 19. 20. 23. 27. 30. July 1. 2. 8. 9. 11. 15. 16. 18. 21. 23. 24. 28. 30. 31. Aug 5. 6. 7. 11. 13. 14. 15.
Sept. 19. 24. 30. Oct. 2. 7. 8. 9. 10. 13. 14. 15.

Total No. of Visits 80