

# Awning or Shelter Deck,

## or Pl. Awning Deck.

# STEEL STEAMER.

No. 70987

State if Report is also sent on the Machinery of the Vessel

Port of NEWCASTLE-ON-TYNE Date of completion of Report 24<sup>th</sup> May 1918 Received at London Office THU. 30 MAY. 1918

Survey held at Hebburn-on-Tyne Date, First Survey 17<sup>th</sup> Dec. 1915 Last Survey 14<sup>th</sup> May 1918

On the Single Screw Steel Steamer "SARANAC" Rig Schooner

TONNAGE under 9023.75 CLASS 10001. Muller Deck Master W. H. Pugsley

Do. between Tonnage Dk and 3rd, 4th, or Awning Dk. Breadth (greatest moulded) 66.15 Year of Appointment May 1918

Total under Upper Dk. Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 34.00

Do. of Poop 546.57 Reduct height of 'tween deck when this does not exceed 8ft. ✓

Do. of Engine Room 13.35 Transverse Number 100.15

Do. of Forecastle 932.59 Length on deck from fore part of stem to after part of sternpost 530.0

Do. of Houses on Deck 311.34 Longitudinal Number 53079.0

Do. of excess of Hatchways 198.97 Depth "d" at middle of length. See Secs. 2 & 13 ✓

above Crown of Engine Room 123.23 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel ✓

above Crown of Engine Room 123.23 Port belonging to Newcastle

AGE FOR FEES 10617.67 Residence London

Engine Room 3567.94 If Surveyed while Building, Afloat, or in Dry Dock Special Survey

Navigation Spaces 557.77 Destined Voyage ✓

for Ballast Space 96.07

Master Tonnage 6928.02

LENGTH on deck as per Rule	BREADTH Moulded	DEPTH, ACTUAL—Top of Floors to top of Shelter Dk. Beams	No. of Decks with flat laid Three
530 0	66 1/4	42 0/4	33 9/4
Length 530.50 breadth 66.30 depth 33.80 Upper Deck.		Moulded depth, ft. 34 ins. 0 To Upper Dk.	Round up of Uppermost Dk. Beam, Actual 16 1/4 ins.

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	PILLARS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
NAME, <u>Sh. After Peak, B. 2</u>	9 3/4	46	9 3/4	46	9 3/4	PILLARS, In 'tween Deck, size and spacing	Trunk cedar + Centre line Bulkhead			
Do. in peaks <u>For Peak, B. 9</u>	9 3/4	46	9 3/4	46	9 3/4	" " Hold " "	Centre line Bulkhead			
Do. in way of Double Bottoms at Solid Floors	31 3/4	66 3/4	31 3/4	66 3/4	31 3/4	" " Quarter, 'tween Dks., " "	Centre line Bulkhead			
" " at intermdt. Bkts.						" " in Hold " "	Centre line Bulkhead			
acing of Frames from centre to centre amidships						KEELSONS AND STRINGERS.				
" length to collision bulkhead						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	Centre line Bulkhead	54		
" of Frames from centre to centre in peaks	24 1/2	25 1/2	24 1/2	25 1/2	24 1/2	" Rider Plate				
EVERSED FRAME, Angles						" Flat Keel Plate Angles	6 6	60	6 6	60
Do. in way of Double bottoms at Solid Floors	3 1/2	3 1/2	66 1/2	3 1/2	3 1/2	" Horizontal Plates on Floors				
" " at intermdt. Bkts.						" Angles or Bulb Angles				
RAMING, depth of girder						SIDE KEELSONS, Number <u>Two each side</u>				
LOORS, depth and thickness of Floor Plate at mid-line for length amidships						" Angles or Bulb Angles <u>Double at top</u>	3 1/2	3 1/2	44	3 1/2
" in way of Engine and Boiler spaces						" Plate above floors, for length				
" thickness at the ends of vessel						" Intercoastal Plate, for <u>Oil</u> length	44			44
" depth at 1/4 the half-bdth. as per Rule						" Attached to outside plating with Angle	3 1/2	3 1/2	44	3 1/2
" height extended at the Bilges						BILGE KEELSON, Angles				
LOORS & BRACKETS, in Cell Dble Bottoms	48 1/2	68 1/2	48 1/2	68 1/2	48 1/2	" Intercoastal Plate, for length				
" " state if flanged (top & bottom)						" Attached to outside plating with Angle				
" " spacing	27 1/2	30 1/4	27 1/2	30 1/4	27 1/2	SIDE STRINGERS, Number				
ENTRE GIRDER, in Dbl. bottom, dpth & thickness	7 1/2	6 1/2	4 1/2	6 1/2	4 1/2	" " Angle				
" " Angles, Top <u>Double</u>	31 1/2	48 1/2	31 1/2	48 1/2	31 1/2	" " Intercoastal Plate, for lng.				
" " Bottom	6 1/2	6 1/2	4 1/2	6 1/2	4 1/2	" Attached to outside plating with Angle				
" " to Floors <u>Double</u>	31 1/2	48 1/2	31 1/2	48 1/2	31 1/2	Shelter Deck Stringer Plates, breadth and thickness	8 3/4	100	7 1/2	82
SIDE GIRDERS, number and thickness	3 1/2	46 1/2	3 1/2	46 1/2	3 1/2	" Angle on ditto	8 1/2	75	6 1/2	80
" " state if flanged (top & bottom)						" Tie Plates, fore and aft, outside Hatchways				
" " Angles	31 1/2	48 1/2	31 1/2	48 1/2	31 1/2	" Deck * <u>Iron</u> Steel, for <u>full</u> lng.	32 1/2	72 1/2	50	52 1/2
MARGIN PLATE, depth (exclusive of flange) and thickness						" Wood Deck, Material & thickness				
" " Angles to outside plating	6 1/2	56	6 1/2	56	6 1/2	Upper Deck Stringer Plate, breadth and thickness	7 1/2	50	50 in. oil	
" " to floors						" Angles on ditto, No. <u>One</u>	6 1/2	50	6 1/2	50
" " Height of Brackets above at bilge						" Tie Plates, outside Hatchways				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	50 1/2	76 1/2	50 1/2	76 1/2	50 1/2	" Deck * <u>Iron</u> or Steel, for <u>full</u> lng.	50		50 in. oil	
" " thickness in Engine and Boiler space	58 1/2	76 1/2	58 1/2	76 1/2	58 1/2	" Wood Deck, Material & thickness				
" " Remainder in Holds						Second Deck Stringer Plates, br'dth & thickn's	8 1/2	50	50 in. oil	
BEAMS, Awn or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Angles on ditto, No. <u>One</u>	6 1/2	50	6 1/2	50
" " Angles on upper edge						" Tie Plates, outside Hatchways				
" " Spacing						" Deck * Material and thickness <u>Steel</u>	50		50 in. oil	
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel						Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness				
" " Angles on upper edge						" Angles on ditto, No.				
" " Spacing						" Tie Plates, outside Hatchways				
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Deck, Material and thickness				
" " Angles on upper edge						Poop Deck Stringer Plate, breadth & thickness				
" " Spacing						" Angles on ditto				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Tie Plates				
" " Angles on upper edge						" Deck, Material and thickness				
" " Spacing						Bridge Deck Stringer Plate, br'dth & thickness	6 1/2	34	47 1/2	34
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Angle on ditto	3 1/2	30		
" " Angles on upper edge						" Tie Plates	24	plating in lower	9 1/2	34
" " Spacing						" Deck, Material and thickness	5 1/2	30	5 1/2	30
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						Forecastle Deck Stringer Plate, br'dth & th'kns				
" " Angles on upper edge						" Angle on ditto				
" " Spacing						" Tie Plates				
						" Deck, Material and thickness				

WEB FRAMES. In Fore Body, No. and spacing. WEB FRAMES, In E. & B. Space, No. & spacing. WEB FRAMES, In After Body, No. and spacing. BRACKET PLATES to Stringers between Web Frames, depth and thickness. BULKHEADS. STIFFENERS. PLATING. STRAKES. RIVETING. BUTTS. FRAMES extend in one length from. REVERSED FRAMES on floors and frames extend from. MASTS, SPARS, &c. LOWER MASTS. BOWSPRIT. TOPMASTS, YARDS AND REMAINERS OF SPARS. RIGGING, Material and Size, Shrouds. SAILS. Suit of. Sails, and the following spare sails.

EQUIPMENT No. 86699 LETTER 94 ANCHORS. CHAIN CABLES. HAWSERS AND WARPS. Boats 4 Life Boats. 1 Cutter. 1 dingy. Steering Gear, Steam Donkin 16. Steering Gear, Hand Black & White from Vessel. Windlass is Steam, (Clarke Chapman & Co. Ltd). Capstan. Engine Room Skylights. Coal Bunker Openings. Ceiling in Holds, thickness and material. Cargo Hatchways. State size No. 1 Hatch (Forward) 8'-0" x 6'-0" x 2'-6". No. 2 Hatch Oil Tank 6'-0" x 4'-0" x 3'-0". No. 3 Hatch. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. Bulwarks, height above deck and description. No. of Breasthooks 3 and Decks. No. of Crutches Deep floors. Correspondence. Workmanship. The Surveyor should state the Number of Report and Name of any Sister Vessel. The amount of Entry Fee. Special Survey Fee. Travelling Expenses, if any. State whether the Vessel has been built under Special Survey. I am of opinion this Vessel should be Classed. With or without Freeboard, as condition of Class. Committee's Minute. Character assigned. Lloyd's A & B P. Filled for Oil Fuel 5-18. 1st B above 1500F. Lloyd's Register of Shipping.

## GENERAL REMARKS—(continued).

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge 25.0 ft., Forecastle ☒ ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as should appear in the Register Book) 2 8 1/2 (Std) and Shells 8 1/2 (Std) 3 Tier Beams

Official No. 140414 ; Signal Letters ☒ State if Machinery is fitted aft ☒ Outside Paint  
How are the surfaces preserved from oxidation? Inside Paint + Cement (Clear of Oil Tanks)

**PARTICULARS OF WATER BALLAST.**—State whether the Double bottom is constructed on the cellular system or with girders on floors. Cellular

Where Fitted.	Length.		Water Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	—	—	—	Fore peak tank,	<u>28.0</u>	<u>203</u>	—
Double bottom, under Engines and Boilers,	—	—	—	After peak tank,	<u>17.0</u>	<u>141</u>	—
Double bottom, if under Engines only,	<u>43.6 1/2</u>	<u>157</u>	—	Deep tank, aft,	—	—	—
Double bottom, if under Boilers only,	<u>47.3 1/2</u>	<u>196</u>	—	Deep tank, forward,	<u>49.0</u>	<u>910</u>	—
Double bottom, forward,	—	—	—	Other tanks, if fitted,	—	—	—
Total capacity of double bottom			—	(If necessary, furnish further information by sketch.)			

\* The wells are not to be included in the lengths of the tanks.

State whether the above have been tested as required by the Rules. Yes

Order for Special Survey No. 4624

Date 10.3.1916

No. 863 in builder's yard.

DATES OF SURVEYS held while building

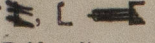
1915 1916  
Jan 17. Jan 5. 18. 24 Feb 4. 11 Mar 17. Apr 28. Jun 24 27 Aug 7. 25 Sep 5. 14. 19. 28  
Oct 2. 24 Nov 16. 27 Jan 9. 22 Feb 22 Mar 6. 27. 28. 30 Apr 5. 18. May 16. 25. 30.  
Jun 5. 20 Jul 4. 13. 29 Aug 1. 15. Sep 24. Oct 15. 18. 26. Nov 1. 6. 13. 27. Dec 13. 14.  
18. 20. 22. 29. Jan 6. 7. 9. 12. 16. 17. 19. 23. 24. 26. 29. 30 Feb 1. 4. 6. 8. 11. 13. 14. 15. 16. 18. 19. 20. 22. 23. 25. 26. 27.  
Mar 1. 2. 4. 5. 6. 7. 8. 11. 12. 13. 14. 15. 18. 19. 20. 21. 22. 23. 26. 27. Apr 4. 5. 6. 8. 10. 11. 12. 15. 24. 29. 30 May  
2. 3. 6. 8. 10. 11. 13. 14. 17

Surveyor's Signature

Aled Munnro

Lloyd's Register  
Foundation

# PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.					
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Spacing.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.			
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Number.	Diameter. Inches.		
Framing of 																			
Frames in Bridge 'tween Decks...																			
Frames from Uppermost Continuous Deck																			
Framing from Awning, Shelter or Upper Deck to Margin Plate.	No. 1	8	3 1/2	40	8	3 1/2	40	8	3 1/2	40	8	3 1/2	40	1	6	6 dia. throughout	—	7/8	
	" 2	8	3 1/2	40	8	3 1/2	40	8	3 1/2	40	8	3 1/2	40	"	"	— 00 —	—	7/8	
	" 3	9	3 1/2	44	9	3 1/2	44	9	3 1/2	44	9	3 1/2	44	"	"	— 00 —	8	7/8	
	" 4	9 1/2	3 1/2	44	9 1/2	3 1/2	44	9 1/2	3 1/2	44	9 1/2	3 1/2	44	"	"	— 00 —	8	7/8	
	" 5	10	3 1/2	50	10	3 1/2	46	10	3 1/2	50	10	3 1/2	46	"	"	— 00 —	9	7/8	
	" 6	10 1/2	3 1/2	50	10	3 1/2	50	10 1/2	3 1/2	50	10	3 1/2	50	"	"	4 1/2 dia. apart for 11 rivets	10	7/8	
	" 7	11	3 1/2	50	12	3 1/2	46	11	3 1/2	50	11	3 1/2	46	"	"	— 00 —	10	7/8	
	" 8	11	3 1/2	54	11	3 1/2	50	11	3 1/2	54	11	3 1/2	50	"	"	— 00 —	11	7/8	
	" 9	12	3 1/2	50	12	3 1/2	46	12	3 1/2	50	12	3 1/2	46	"	"	3 1/2 dia. apart for 11 rivets	11	7/8	
	" 10	12	3 1/2	56	12	3 1/2	52	12	3 1/2	56	12	3 1/2	52	"	"	— 00 —	12	7/8	
	" 11	12	3 1/2	66	12	3 1/2	62	12	3 1/2	66	12	3 1/2	62	"	"	— 00 —	12	7/8	
	" 12	14 1/2 x 44 Plate 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	14 1/2 x 44 3 1/2 x 3 1/2 x 44	"	"	4 1/2 dia. apart for 11 rivets	13	7/8
	" 13	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	16 x 44 3 1/2 x 3 1/2 x 44	"	"	— 00 —	22	7/8
	" 14	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	17 x 44 4 x 4 x 44	"	"	— 00 —	22	7/8
	" 15	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	19 x 44 3 1/2 x 3 1/2 x 44	"	"	— 00 —	16	7/8
	" 16	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell	2 1/2" to 2" Deck 2 1/2" to 2" Shell					
Spacing of Longitudinal Frames																			
Double Bottoms	Tank Top Longitudinals																		
	Bottom																		
Spacing of Longitudinals																			
Transverses.																			
In Bridge 'tween Decks	Depth and Thickness	18 x 40																	
	Face Angles <i>Q.A.</i>	5 x 3 1/2 x 44																	
	Lugs to Shell <i>goggled</i>	6 x 6 x 44																	
In Awning, Shelter or Upper 'tween Decks.	Depth and Thickness	16 x 40																	
	Face Angles <i>Q.A.</i>	6 x 3 1/2 x 50																	
	Lugs to Shell <i>goggled</i>	3 1/2 x 3 1/2 x 40																	
In Hold.	Depth and Thickness	40 x 50																	
	Face Angles <i>Q.A.</i>	7 x 3 1/2 x 70																	
	Lugs to Shell <i>goggled</i>	6 x 6 x 50																	
Bracketts		50																	
Spacing of Transverse Frames		Spaced as per profile																	
State if joggled or liners.																			
Longitudinal Beams of L, [ or C	Bridge Deck																		
	Auger Shltr. Dk.	7 1/2 3 42																	
	Upper	8 3 46																	
	Second	9 3 50																	
Third																			
Transverse Beams.																			

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.