

With or Without  
Disconnected Erections.

STEEL STEAMER.

THU. 40CT. 1923

Received at London Office

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

Yes. To follow

Date of completion of report 27<sup>th</sup> September 1923  
Survey held at Newcastle-on-Tyne

Port of Newcastle-on-Tyne

Date, First Survey 8<sup>th</sup> February 1921

Last Survey 24<sup>th</sup> September 1923

No.

77086

1923

the (Single, Twin, or Triple Screw)

T.S.S. ARNUS

Rig Schooner

NAME under  
Tonnage Deck...  
between Tonnage Dk. &  
2nd and 3rd and 4th Dk. )  
al under Upper Dk. 3872.65  
of Poop 101.38  
of L.O. Dk. Side Houses 46.91  
of Bridge House 47.08  
of Forecastle 58.61  
of Houses on Dk. 32.20  
of excess of Hatchways  
above Crown of  
Engine Room...  
ss Tonnage 4184.62  
Crow Space 154.03  
above Crown of  
Engine Room...  
PAGE FOR FEES.. 4184.62  
Engine Room 1339.08  
Navigation Spaces 91.76  
Water Ballast 51.44  
Master Tonnage 2548.31  
cut out Beam

M.V. CLASS + 100A1. Carrying  
Breadth (greatest moulded) 48.75  
Depth, at middle of length from top of keel to top of  
upper deck beams side 28.75  
Transverse Number 44.50  
Length on deck from fore part of stem to after part of  
stern post 365.0  
Longitudinal Number 28287.0  
Depth "d," at middle of length (See Secs. 2 & 13) 12.4  
Proportions—Depths to Length—Upper Deck Beam at  
side to top of keel 12.4  
" " Long Bridge Deck  
Beam at side to top of keel 12.4  
Destined Voyage

Master

Year of appointment

(1) As Master in service of  
owner of present vessel—19  
(2) As Master of this  
vessel—19

Built at

Newcastle-on-Tyne

When built

1923

Launched 14<sup>th</sup> March 1922

By whom built

Sloan Hunter & Higham Richardson Ltd

Owners

Compania General de Labores de Filipinas

Managers

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

Residence Barcelona

Port belonging to

Barcelona

If Surveyed while Building, Afloat, or in Dry Dock Building

LENGTH on Deck 365.0 Breadth 48.75 Depth, ACTUAL—Top of Floors to top of Upper Dk. Beams 28.75  
Moulded depth, ft. 28 ins. 9 To Bridge Dk. Round of Upper Dk. Beam, Actual 12 ins.  
Moulded depth, ft. 28 ins. 9 To Upper Dk. Dk. Beam, Actual 12 ins.

FRAMING.		Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles, on E & L Bars amidships	Longitudinal	6 1/2	3 1/2	4 1/2	6 1/2	3 1/2	4 1/2
Do. in peaks	B.A.	6 1/2	3 1/2	4 1/2	6 1/2	3 1/2	4 1/2
Do. in way of Double Bottoms at Solid Floors		3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
" " at intermdt. Bkts.							
acing of Frames from centre to centre amidships		25			25		
" " " from 1/2 length to Collision bulkhead		25 1/2			25 1/2		
" " " in peaks		24			24		
EVERSED FRAME, Angles							
Do. in way of Double Bottoms at Solid Floors		3 1/2	3 1/2	50	3 1/2	3 1/2	38
" " at intermdt. Bkts.							
AMING, depth of girder							
DOORS, depth and thickness of Floor Plate							
at mid-line for 1/2 length amidships							
" in way of Engine and Boiler Spaces							
" thickness at the ends of vessel				38			38
" depth at 1/2 the half breadth, as per Rule							
" height extended at the Bilges							
DOORS in Cell. Double Bottoms		48		40			38
" state if flanged (top & bottom)				Not flanged			
" Spacing of Solid floors			25		25		
NTRE GIRDER, in Dbl. bottom, dpth. & thcknss.		48		50	48		50
" " Angles, Top	Two	3 1/2	3 1/2	48	3 1/2	3 1/2	48
" " " Bottom	Two	6	6	52	4 1/2	4 1/2	58
" " " to Floors	Single	5	5	50	3	3	38
" Brackets at intermdt. frmg., wdth & thkns							
DE GIRDER, number on each side & thickness	Three		44	Three			36
" " state if flanged (top and bottom)				Not flanged			
" " Angles (top and bottom)	1/2	3 1/2	3 1/2	38	3 1/2	3 1/2	38
" " " to Floors		5	5	44	5	5	44
ARGIN PLATE, depth (exclusive of flange) and thickness		28		44	28		44
" " Angle to Outside Plating		5	5	44	3 1/2	3 1/2	44
" " " Floors		3 1/2	3 1/2	40	3 1/2	3 1/2	38
" Brackets at intermdt. frmg., wdth & thkns							
Height of Outside Brackets above at bilge							
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake		51		54	51		44
" " " in Engine and Boiler space				1 1/2			1 1/2
" " " Remainder in Holds							
AMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" " In way of Long Bridge							
" " Spacing							
AMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" " Spacing							
AMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							
" " Angles on upper edge							
" " Spacing							
AMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		7	3	40	7	3	40
" " Angles on upper edge							
" " Spacing		24					
AMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		6	3	40	6	3	40
" " Angles on upper edge							
" " Spacing							
AMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		8 1/2	3	48	8 1/2	3	48
" " Angles on upper edge							
" " Spacing							

PILLARS.		Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
PILLARS In 'tween Deck, size and spacing		2 7/8	48	2 7/8	48		
" " Hold	1/2 wide, spaced	2 7/8	48	2 7/8	48		
" " Quarter 'tween Dks., P.B. & 7th		2 7/8	48	2 7/8	48		
" " in Hold							
KEELSONS & STRINGERS.		Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		40-34		40-34			
" Rider Plate, on one side		18 x 38		18 x 38			
" Flat Plate Keel Angles		6	6	52	6	6	52
" Vertical Stiffeners B.A.		6	3	36	6	3	36
" Horizontal Plates on Floors							
" Angles on Bulb Angles One on top		3 1/2	3 1/2	40	3 1/2	3 1/2	40
SIDE KEELSONS, Number	2 each side						
" Angles on Bulb Angles Two		6	3 1/2	50	6	3 1/2	50
" Plate above floors, for length							
" Intercoastal Plate, for full length				40			40
" Attached to outside Plating with Angle		3 1/2	3 1/2	40	3 1/2	3 1/2	40
BILGE KEELSON, Angles							
" Intercoastal Plate for length							
" Attached to outside Plating with Angle							
SIDE STRINGERS, Number							
" " Angle							
" Intercoastal Plate, for length							
" Attached to outside plating with Angle							
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)		66	58	54	58		
" " " " (br'dth & thickness in way of Bridge)		66	1		1		
" " " " Angle (clear of Bridge)		6 x 6	46	6 x 6	46		
" " Tie Plate at sides of Hatchways							
" Deck * Steel, for lng.			40		40		
" " Thickness (clear of Bridge)			40		40		
" " " (in way of Bridge)			56	40	56	40	
" Wood Deck, Material & thickness							
Second Deck Stringer Plate, br'dth & thickness		72	42	46	42		
" Angles on ditto, No. One		6 x 6	40	6 x 6	40		
" Tie Plates outside Hatchways							
" Deck * Steel, for lng.			38		38		
" Wood Deck, Material & thickness							
Third Deck Stringer Plate, br'dth & thickness							
" Angles on ditto, No.							
" Tie Plates, outside Hatchways							
" Deck * Material and thickness							
Fourth and Fifth Deck Stringer Plate, breadth & thickness							
" " " Angles on ditto, No.							
" " " Tie Plates outside Hatchways							
" " " Deck, Material & thickness							
Poop Deck Stringer Plate, breadth & thickness		60	34	60	34		
" Angle on ditto		3 1/2 x 3 1/2	34	3 1/2 x 3 1/2	34		
" Tie Plates							
" Deck, Material and thickness	Steel		30		30		
Bridge Deck Stringer Plate, br'dth & thickness		36	40	36	40		
" Angle on ditto		3 1/2 x 3 1/2	40	3 1/2 x 3 1/2	40		
" Tie Plates							
" Deck, Material and thickness	Steel laid with composition		25		25		
Forecastle Deck Stringer Plate, br'dth & th'kns		36	34	36	34		
" Angle on ditto		3 1/2 x 3 1/2	34	3 1/2 x 3 1/2	34		
" Tie Plates							
" Deck, Material and thickness	Stl. Handstruck 22 D.P.		24	22 D.P.	24		

\* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

W8-0169(113)

23

2

Register Foundation



WEB FRAMES.
WEB-FRAMES, In Fore Body, No. and spacing
brdth. & thickness
No. of Side Stringers
WEB-FRAMES, In E. & B. Space, No. & spacing
brdth. & thickness
WEB-FRAMES, In After Body, No. and spacing
brdth. & thickness
No. of Side Stringers
Size of Face Angles to Web-Frames
BRACKET PLATES to Stringers between
Web Frames, depth and thickness

FORGINGS or CASTINGS.
Inches in Ship.
Inches per Rule, Or as Approved.
KEEL, Bar, depth and thickness
STEM, moulding and thickness
STEEN-POST for Rudder do. do.
for Propeller
RUDDER-A x D\* Table 22. Speed
Main-Piece, diameter at head
at heel

BULKHEADS.
Number, Thickness, STIFFENERS.
Single or Double Frames, Height up, state deck.
W.T. BULKHEADS 13 13
COLLISION PARTITION
LONGITUDINAL
Are the outside Plates doubled two spaces of Frames in length?
Are the Stairs Valves and Watertight Doors in efficient working order?

RUDDER, how constructed
Thickness of Plates or Single Plate
Can the Rudder be unshipped afloat?
Manufacturer's name or trade mark of the Iron or Steel
Plates, Plating, &c.?
Has the Steel been tested as required by the Rules?

PLATING.
STRAKES.
AS IN SHIP.
PER RULE OR AS APPROVED.
FLAT PLATE KEEL
GARBOARD OF A Strake
State actual thickness in way of Double Bottom.
Shur
Bridge side plating carried down to deck from 53 to 58 panos
Midship thickness of A.B. & C. strakes maintained to Collision Bht. increased .02 in way of transverse framing.

RIVETING.
EDGES.
Butts.
Double or Treble and for what Length.
RIVETS.
STRAPS.
IF LAPPED.
Double 6 1 3 1/2
Single 3 3/4 3

Upper Deck
Stringer Plate
Second Deck
Stringer Plate
Butts, riveted for
Straps, single, double or overlapped for
Butts, riveted for
Straps, single or overlapped for
Butts of Side Stringers
Tie Plates
Inner Bottom Plating, riveting of Edges
Centre Girder Butts, riveted
Keelson Butts, riveted
Frames, riveted through Plates with
Rivets, state whether Iron or Steel

FRAMES extend in one length from
REVERSED FRAMES on floors and frames extend from
State if ordinary or jogged

MASTS, SPARS, &c.
Material, Total Length, DIAMETER AND THICKNESS.
At Partners, Heel, Hounds, Head, No. of Plates in round, ANGLES.
Number, Size, RIVETING.
Seams, Butts
LOWER MASTS.
Fore
Main
Mizen
Bowsprit
Topmasts, Yards and Remainder of Spars
Rigging, Material and Size, Shrouds
Sails, Suit of

Form No. 1A







PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *86-9* ft., R.Q.D. *✓* ft., Bridge *27-6* ft., Forecastle *37-3* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *The poop is not joined to the bridge deck.*

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 it should appear in the Register Book*) *2 Decks (Stl) and Web frames. Longitudinal Framing*  
 Official No. *✓*; Signal Letters *✓* State if Machinery is fitted aft *Yes*  
 How are the surfaces preserved from oxidation? Inside *Cement + Paint clear of Oil Tanks* Outside *Paint*

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	<i>20-0</i>	<i>99</i> ✓
Double bottom, under Engines and Boilers,			After peak tank,	<i>18-0</i>	<i>67</i> ✓
Double bottom, if under Engines only,	<i>33-4</i>	<i>101</i>	Deep tank, aft,	<i>42-6</i> ✓	<i>363</i>
Double bottom, if under Boilers only, <i>Feed tank aft.</i>	<i>18-9</i>	<i>20</i>	Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom	<i>121</i>	(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. *4960*

Date *23-3-21*

No. *1122* in builder's yard.

DATES OF SURVEYS held while building

*1921*  
*Feb. 8, 14, 22. Mar. 3, 8, 16, 21, 22, 24. Apr. 5, 15, 20, 21, 27. May 2, 4, 10, 11, 13, 18, 19, 24. June 2, 8, 10, 15, 17. July 1, 5, Aug. 2, 25, 26, 31. Sep. 5, 9, 12.*  
*1922*  
*15, 20, 26. Oct. 3, 4, 5, 7, 11, 12, 13, 14, 18, 19, 20, 21, 24, 26, 27, 28, 31. Nov. 2, 4, 7, 14, 15, 16, 17, 18. Dec. 1, 9, 21. Jan. 4, 12, 31. Feb. 2, 3, 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 21.*  
*1923*  
*21, 22, 23, 24. Mar. 9, 14, 23. May 9. June 11. Sep. 8, 25. Nov. 13. Dec. 14. Jan. 5, Mar. 19. July 3, 11. Aug. 15, 20, 24, 27, 29, 30. Sep. 3, 11, 18, 20, 24.*

Total No. of Visits *114*

Surveyor's Signature *E. D. Cusker Alex. Munro*



W8-0169(13) S.S.S. "ARNUS" NEWCASTLE-ON-TYNE 77086 Reft. No 1122

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. Speng.	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.	Ins.		Number.	Diameter. Inches.		
Framing of $\nabla$ , $\perp$ or $\times$ .....																			
Frames in <sup>Back</sup> Bridge 'tween Decks ...					6	3	34				6	3	34	"					
Frames from Uppermost Continuous Deck No. 1		7	3 1/2	40	7	3 1/2	40	7	3 1/2	40	7	3 1/2	40	7/8	5 1/4	76 drains	7	7/8	
Framing from Awning, Shelter or Upper Deck to Margin Plate. Centre line channels *S.A.		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
		"	8	3 1/2	40	8	3 1/2	40	8	3 1/2	40	8	3 1/2	40	"	"	8	"	
		"	"	"	44	"	"	44	8	3 1/2	44	8	3 1/2	44	"	"	9	"	
		"	9	3 1/2	40	9	3 1/2	40	9	3 1/2	40	9	3 1/2	40	"	"	4" for 9	"	"
		"	9 1/2	"	"	9 1/2	"	"	9 1/2	"	"	9 1/2	"	"	"	"	"	"	"
		"	"	"	46	"	"	46	"	"	46	"	"	46	"	"	4	"	"
		"	10	"	44	10	3 1/2	44	10	"	44	10	3 1/2	44	"	"	3"	"	"
		"	"	"	50	"	"	50	"	"	50	"	"	50	"	"	"	16	"
		"	12x58x3 1/2x3 1/2x60	12x58x3 1/2x3 1/2x60	12x58x3 1/2x3 1/2x60	12x58x3 1/2x3 1/2x60	12x58x3 1/2x3 1/2x60	12x58x3 1/2x3 1/2x60	"	"	"	"	"	"	"	"	"	"	"
		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	12	"
		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
		"	Continuous girder 40				Continuous girder 40								"	"	"	"	"
		"	12x60x3 1/2x3 1/2x54	12x60x3 1/2x3 1/2x54	12x60x3 1/2x3 1/2x54	12x60x3 1/2x3 1/2x54	12x60x3 1/2x3 1/2x54	12x60x3 1/2x3 1/2x54	"	"	"	"	"	"	"	"	"	"	"
		"	8x6x18				8x6x18								"	"	"	"	"
		Spacing of Longitudinal Frames		Amidships			At Ends			Amidships			At Ends						
		30			30			30			30								
Double Bottoms		Tank Top Longitudinals																	
L, L or C																		Bottom	
Spacing of Longitudinals		Amidships			At Ends			Amidships			At Ends								
Transverses.														Rivets in Lugs to Shell Diam. Speng.					
In Bridge																			
'tween Decks		Depth and Thickness	15	x	38			15	x	38					Bottom transverses 42x46 with face bar 6x3 1/2x74 Single angle				
		Face Angles	3 1/2	3 1/2	40			3 1/2	3 1/2	40									
		Lugs to Shell *Jug	3 1/2	3 1/2				3 1/2	3 1/2	38			7/8	4					
In Awning, Shelter or Upper 'tween Decks.		Depth and Thickness	18	x	40	18	x	40	18	x	40	18	x	40		Fore & aft bottom girder 12x40			
		Face Angles	3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40					
		Lugs to Shell *Jug	"	"	"	"	"	"	"	"	"	"	"	"	7/8	4			
In Hold.		Depth and Thickness	24	x	46	24	x	46	24	x	46	24	x	46		2 Runs.			
		Face Angles	5	3 1/2	52	5	3 1/2	52	5	3 1/2	52	5	3 1/2	52					
		Lugs to Shell *Jug	6	6	46	6	6	46	6	6	46	6	6	46	7/8				4
		Brackets	40	-	46	40	-	46	40	-	46	40	-	46					
Spacing of Transverse Frames		9-8 6-9-2 and as per profile																	
* State if jogged or liners.																			
Longitudinal Beams of $\nabla$ , $\perp$ or $\times$		Back Bridge Deck			6			3			32			Spacing. 36			Transverse Beams.		
		Avg or Shlt. Dk.			7			3			36			30-24					
		Upper			7			3			40			27					
		Second			7			3			40			27					
		Third																	

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.