

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office. 14 SEP. 21 1922

Date of completion of report 20 Sept. 1922
Survey held at NEWCASTLE-ON-TYNE

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

Port of *Newcastle on Tyne*

Date, First Survey 8 February 1921

Last Survey 18 September 1922

No. 75945

On the (State if Single, Twin, or Triple Screw) *Single Screw*

"SAN ROBERTO"

Rig *Schooner*

TONNAGE under

Tonnage Deck

Do. between Tonnage Dk. and 3rd and 4th Dk.

Do. of Poop

Do. of R. Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Gross Tonnage 5890.42

Less Crew Space

Less above Crown of

Engine Room

TONNAGE FOR FEES

Less Engine Room

Less Navigation Spaces

CLASS +100A1, carrying petroleum in bulk, temp. 52.0

Breadth (greatest moulded) 52.0

Depth, at middle of length from top of keel to top of upper deck beams at side 31.5

Transverse Number 83.5

Length on deck from fore part of stem to after part of stern post 407.0

Longitudinal Number 33984.5

Depth "d," at middle of length (See Secs. 2 & 13) 12.92

Proportions—Depths to Length—Upper Deck Beam at side to top of keel

Long Bridge Deck Beam at side to top of keel

Master

Year of appointment

Built at Newcastle on Tyne

When built 1922

Launched 27 July 1922

By whom built Sir W. G. Armstrong Whitworth & Co.

Owners Eagle Oil Co.

Managers

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

Residence

Port belonging to London

Destined Voyage

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

Length on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
per Rule	407	0	Moulded	52	0	Top of Floors to top of Upper Dk. Beams	31	5	2	2
						Do. do. do. do. Second Dk. Beams				

Moulded depth, ft. 31 ins. 6 To Bridge Dk. Round of Upper Dk. Beam, Actual 12 3/4 ins.

Dimensions of Ship per Register, Length 407.1 breadth 52.2 depth 31.4

FRAMING. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship.

AME, Angles, or Bars amidships

o. in peaks

o. in way of Double Bottoms at Solid Floors

" " at intermdt. Bkts.

ing of Frames from centre to centre amidships

" " from 1/2 length to Collision bulkhead

" " in peaks

VERSED FRAME, Angles

o. in way of Double Bottoms at Solid Floors

" " at intermdt. Bkts.

MING, depth of girder

ORS, depth and thickness of Floor Plate

in way of Engine and Boiler Spaces

thickness at the ends of vessel

depth at 1/2 the half breadth, as per Rule

height extended at the Bilges

ORS in Cell. Double Bottoms

state if flanged (top & bottom)

Spacing of Solid floors

TRE GIRDER, in Dbl. bottom, dpth. & thickness

" Angles, Top

" " Bottom

" " to Floors

Brackets at intermdt. frmg., wdth & thkns

E GIRDERS, number on each side & thickness

" state if flanged (top and bottom)

" Angles (top and bottom)

" " to Floors

GIN PLATE, depth (exclusive of flange)

" and thickness

" Angle to Outside Plating

" " Floors

Brackets at intermdt. frmg., wdth & thkns

Height of Outside Brackets above at bilge

R BOTTOM PLATING, breadth and thickness of Middle Line Strake

" " in Engine and Boiler space

" " Remainder in Holds

IS, Upper Deck, Single Angle, Bulb

Angle, Plate, Tee Bulb, or Channel

In way of Long Bridge

Spacing

IS, Second Deck, Single Angle, Bulb

Angle, Plate, Tee Bulb, or Channel

Spacing

IS, Third and Fourth Deck, Single Angle, Bulb

Angle, Plate, Tee Bulb, or Channel

Angles on upper edge

Spacing

IS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel

Angles on upper edge

Spacing

IS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel

Angles on upper edge

Spacing

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel

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

" " Hold

" " Quarter 'tween Dks.

" " 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, or Intercoastal Plate

" Rider Plate

" Flat Plate Keel Angles

" Horizontal Plates on Floors

" Angles or Bulb Angles

SIDE KEELSONS, Number

" Angles or Bulb Angles

" Plate above floors, for length

" Intercoastal Plate, for length

" Attached to outside Plating with Angle

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)

" " " br'dth & thickness

" " " (in way of Bridge)

" " " Angle (clear of Bridge)

" Deck, * Iron or Steel, for length

" " Thickness (clear of Bridge)

" " " (in way of Bridge)

" Wood Deck, Material & thickness

Second Deck Stringer Plate, br'dth & thickness

" Angles on ditto, No. 1

" Tie Plates outside Hatchways

" Deck, * Iron or Steel, for length

" 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, br'dth & thickness

" " Angles on ditto, No.

" " Tie Plates outside Hatchways

" " Deck, Material & thickness

Poop Deck Stringer Plate, breadth & thickness

" Angle on ditto

" Tie Plates

" Deck, Material and thickness

Bridge Deck Stringer Plate, br'dth & thickness

" Angle on ditto

" Tie Plates

" Deck, Material and thickness

Forecastle Deck Stringer Plate, br'dth & thickness

" Angle on ditto

" Tie Plates

" Deck, Material and thickness

WEB FRAMES.	Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Ap.	Inches per Rule. Or as Ap.	FORGINGS or CASTINGS.	Inches in Ship.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing					KEEL, Bar, depth and thickness	✓	
" " " brdth. & thickness					STEM, moulding and thickness	✓ 11 x 2 1/2	10 1/2 x 2 3/4
" " " No. of Side Stringers " "					STERN-POST for Rudder do. do.	✓ 9 x 7 1/2	9 x 7 1/2
WEB-FRAMES, In E. & B. Space, No. & spacing					" " for Propeller	✓ 11 x 7 1/2	10 1/2 x 7 1/2
" " " brdth. & thickness					RUDDER—A x D* Table 22. Speed 10-12	✓ 560	560
WEB-FRAMES, In After Body, No. and spacing					" " Main-Piece, diameter at head	✓ 11 1/2	10 1/2
" " " brdth. & thickness					" " " at heel	✓ 8 1/2	8 1/2
" " " No. of Side Stringers " "							
" " " Size of Face Angles to Web-Frames.....							
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....							

BULKHEADS.	Number.	Thickness.	STIFFENERS.	Single or Double Frames.	Height up, state deck.	RUDDER, how constructed
	Vessel.	Per Rule.	Horizontal. Size. Spacing. Vertical. Size. Spacing.			Single plate & angled steel post
W.T. BULKHEADS	15-15	50-26	6-3/8 24 6-3/8 24	D.S. 4p. 8k.		Thickness of Plates or Single Plate 1-2
		50-26	7-3/8 30 27-40	D. 4p. 8k.		Can the Rudder be unshipped afloat? yes
" COLLISION "		48-28	7-3/8 30 27-40	D.S. 4p. 8k.		
PARTITION "						
LONGITUDINAL "		50-26	7-3/8 30 27-40	4p. 8k.		
Are the outside Plates doubled two spaces of Frames in length? no						
Are the Sluice Valves and Watertight Doors in efficient working order? yes						

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES, Ordinary or jogged?				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAFS.		IF LAPPED.	
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.	Breadth. Inches.	Thickness. Inches.	Diam. Inches.	Spacing cr. to cr. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Breadth. Inches.	Thickness. Inches.	Breadth. Inches.	For what Length. Feet.		
FLAT PLATE KEEL.....	47	96	68	68	47	96	D	6 3/4	1 1/8	4	7 1/2	1 1/8	4 1/2	21 1/2	5 6 1/2	-	-		
GARBOARD OF A Strake	67	60	46	60	67	60	"	5 1/2	7/8	3 1/8	2 1/2	7/8	3 1/2	-	-	12	W		
State actual thickness in way of Double Bottom.	B	"	"	74	"	"	"	"	"	"	"	"	"	"	"	"	"		
	C	"	60	74	66	"	"	"	"	"	"	"	"	"	"	"	"		
	D	"	44	60	67	"	"	"	"	"	"	"	"	"	"	"	"		
	E	65	"	54	"	65	"	"	"	"	"	"	"	"	"	"	"		
	F	66	"	48	"	66	"	"	"	"	"	3	"	"	9	"			
	G	65	"	44	"	65	"	"	"	"	"	"	"	"	"	"	"		
	H	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"		
	J	"	"	44	"	"	"	6	1	3 1/2	"	"	"	"	"	"	"		
	K	"	72	"	"	"	"	6 3/4	1 1/8	4	2 1/2	1 1/8	4	"	14	"			
up to stem	L	67	96-94	"	57	84	S	3	1	3 1/2	5 R 1/2	1 1/8	5	"	20	"			
	M																		
	N																		
	O																		
	P																		
	Q																		
	R																		
	S																		
	T																		
	U																		
	V																		
	W																		
THICKNESS OF SHEER STRAKE																			
CLEAR OF LONG BRIDGE																			
DO. OF STRAKE BELOW																			
DBLG. of Flat Plate Keel																			
" Sheerstrakes																			
Length and thickness.																			
POOP SIDES.....				38		38					T	3/4	2 5/8			7 1/2	W		
SHORT BRIDGE SIDES...				42		42	D	5 1/4	7/8	3 1/2	D	7/8	3 1/2			6	"		
FORECASTLE SIDES.....				42		42	S	2 1/2	3/4	3	D	3/4	2 5/8			5	"		

* Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck	Butts, 2nd riveted for 1/2 length amidship.	Butts of Side Stringers ✓ riveted.
Stringer Plate	Straps, single, double or overlapped for W length amidship.	" Tie Plates ✓ riveted.
Second Deck	Butts, T riveted for W length amidship.	Inner Bottom Plating, riveting of Edges D. Butts T & D. ✓
Stringer Plate	Straps, single or overlapped for W length amidship.	Centre Girder Butts, T riveted. Keelson Butts, ✓ riveted.
		Frames, riveted through Plates with 7/8 in. Rivets, about 1 apart.
		Rivets, state whether Iron or Steel Iron

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

MASTS, SPARS, &c.											
	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS.....	Fore	45-9	21 x 40	21 x 40	15 1/2 x 32	2			5	T	
	Main	48-6	"	"	"				"	"	
	Mizen										
Bowsprit											
Topmasts, Yards and Remainder of Spars	Of wood										
Rigging, Material and Size, Shrouds	Steel wire 3 at 3 1/2										
Sails.	Suit of										
	Sails, and the following spars, sails										

EQUIPMENT No. 35672.67				LETTER Z				ANCHORS.				TONNAGE U.D.K. OR PLATING NO. FOR TRAWLERS					
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
27005	1st Bower	✓ 68	0	21	Stocken			51	2	2	0	63	3	0	Byers Stocken	Byers	Std. 7/2/22 Haffner
27006	2nd "	✓ 64	1	21	"			50	15	0	0	63	3	0	"	"	" " "
27001	3rd "	✓ 63	0	14	"			50	2	2	0	54	2	0	"	"	" 3/2/22 "
	4th "	...															
	Collective weight.	192	3	0								182	0	0			
37177	Stream	✓ 18	0	6	4	3	6	19	0	0	0	17	2	0	Low Stock	Sykes	C. North 1/1/22 Paul
	Kedge	✓										✓					

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	36.598	TP	4608	12/1/22
2nd "	36.714	"	4620	24/1/22
3rd "	36.660	"	4625	2/2/22
4th "				

CHAIN CABLES.											HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE		Length and Size per Table 31.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material	Length and Size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 31.				
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.			
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.			
24454	270	2 1/4	9 1/8	127.5	682.3.7	682.1.11	270	2 1/4	Steel	R. Sykes	Caird 24/1/22 Jones	Steel wire TOWLINE 3.75 wire HAWSERS & WARPS manilla	90	5	73	120	5			
													4-90	3	26.2	12-90	2 1/2			
													3-150	10						
													4-12	10	called					
													4-90	8						
													2-90	17						
Inn Stream Steel Wire	90	Cir 4 3/4	65.5				90	Cir 4 3/4												

Boats 5- Steering Gear, Steam *Douglas* Steering Gear, Hand *Lashley's*
Pumps, Number 2 Diameter of Barrel 5" State whether they are in efficient working order *yes*
Windlass is *Iron Steam, Emerson Walker Thompson Bros St.* Capstan *none*
Engine Room Skylights.—How constructed? *Steel & Bullseye* What arrangements for deadlights in bad weather? *none*
Coal Bunker Openings.—How constructed? *Steel coamings* How are lids secured? *Kinged Steel W.T.* Height above deck? *30"*
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *3 for 3 on each side (F.P. 4 for 4 on 36x21 each side)*
Ceiling in Holds, thickness and material *✓* Cargo Battens, thickness and material *✓*
Cargo Hatchways.—How formed? *Steel coamings solid covers* Hatches, If strong and efficient? *yes*
State size No. 1 Hatch *9 x 12* No. 2 Hatch *✓* No. 3 Hatch *✓* No. 4 Hatch *✓*
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *1 web*
No. of Breasthooks *5 x decks* No. of Crutches *deep floors*
Bulwarks, height above deck and description *3-7, Steel stays 6 x 3 x 40 1/2 A* Main Rail, material and size *6 x 3 x 40 1/2 A.*
The foregoing is a correct description of *✓* Surveyor's Signature *G. D. Aiskew*
Builder's Signature (here only) *H. G. Williams* Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) *14/6. 25/6. 28/8. 16/12. 14/12. 20/12. 30/12. 1921. 17/12/1. 14/2. 10/3. 24/8. E 4/9.*

Workmanship. Are the butts of plating planed or otherwise fitted? *planed*
Is the riveted work properly closed? *yes*
Are the liners between the frames and plates solid single pieces? *Large planing* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *yes* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *yes* Do any rivets break into or through the seams or butts of the plating? *a few*
Are the butts of Plating, Stringers, &c., properly shifted and strapped? *yes*
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *yes* State results of tests *good*
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *yes* State results of tests *good*

General Remarks (State quality of workmanship, &c.) *The workmanship & materials are good.*
This vessel has been built in accordance with the accompanying plans, and sundry letters dated as above, and in conformity with the Rules for the class contemplated.
all the oil compartments, cofferdams, Summer tanks, Dup tank, Pake & Double bottom aft have been tested to Rule requirements & found satisfactory.
The scumplings & arrangements in Machinery space and fore of oil compartments as approved. Increase fore due to sheer as on approved plans.
Plans of Section, Profile & Decks, Strengthening of bridge & bridge BH? also fine forging reports are enclosed.

Not a sister vessel.
The Surveyor should state the Number of Report and Name of any Sister Vessel.
Plans to be forwarded with F.E. Report showing vessel as built.

Freeboard
The amount of Entry Fee £ 9 : 0 : 0 *✓* Fees applied for, *20/9/22.*
Special Survey Fee £ 520 : 17 : 6 *✓* Received by me, *13/10/22*
Travelling Expenses, if any £ : :
State whether the Vessel has been built under Special Survey *yes*
I am of opinion this Vessel should be Classed *+100 A1 Carrying petroleum in bulk* *G. D. Aiskew*
With, or without Freeboard, as condition of Class *without* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. SEP. 29 1922*
Character assigned *100 A1*
carrying petroleum in bulk.
Lt. Col. 206.0.
Ltd. Col. 9.22
F. D. C. L.
Ltd. Col. 9.22
F. P. above 150.0.
Lloyd's Register Foundation

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK. Length of Poop 108.2 ft., R.Q.D. ft., Bridge 37.3 ft., Forecastle 60.3 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 *th (500)* Longt. framing
 Official No. 146632; Signal Letters. State if Machinery is fitted aft *Machinery aft*
 How are the surfaces preserved from oxidation? Inside *Paint & cement clean of oil* 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,		
Double bottom, under Engines and Boilers,			After peak tank,	11	30
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	26 1/2	57	Deep tank, forward,	37-9	713
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom	57	(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. 4979

Date 19.9.21

No. 987 in builder's yard.

Dates of Surveys held while building

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

Surveyor's Signature G. D. Cuthbert

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 Total No. of Visits 100

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			in all ENDS.			AMIDSHIPS.			in all 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.	Number.			Diameter. Inches.	
Framing of $\frac{1}{2}$, L & C																	
Frames in Bridge 'tween Decks		7	3½	40	6	3½	36	7	3½	40	6	3½	36	7/8	5½	—	—
Frames from Uppermost Continuous Deck		7½	3½	40	7	3½	40	7½	3½	40	7	3½	40	7/8	6¼	7	7/8
" 2		8	3½	40	8	3½	40	8	3½	40	8	3½	40	"	"	"	"
" 3		8	3½	44	8	3½	44	8	3½	44	8	3½	44	"	"	"	"
" 4		9	3½	44	10	3½	45	9	3½	44	10	3½	45	"	"	9	"
" 5		9½	3½	44	10½	"	"	9½	3½	44	10½	"	"	"	"	11	"
" 6		10	3½	45	11	"	"	10	3½	45	11	"	"	"	"	"	"
" 7		10½	3½	45	"	"	48	10½	3½	45	"	"	48	"	"	"	"
" 8		11	3½	45	"	"	52	11	3½	45	"	"	52	"	"	"	"
" 9		11	3½	48	11	"	56	11	3½	48	11	3½	56	"	"	"	"
" 10		11	3½	52	"	"	60	11	3½	52	"	"	60	"	"	"	"
" 11		15½	4	52½	15	4	52½	15½	4	52½	15	4	52½	"	4	16	"
" 12		"	"	"	"	"	"	"	"	"	"	"	"	"	"	16	"
" 13		"	"	"	"	"	"	"	"	"	"	"	"	"	"	14	"
" 14		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
" 15		"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"
" 16		DECK-19						DECK-19						"	"	"	"
Spacing of Longitudinal Frames		Amidships 31 5 30			At Ends 30 5 18			Amidships 31 5 30			At Ends 30 5 18						
Double Bottoms L, L or C		Tank Top Longitudinals															
Bottom																	
Spacing of Longitudinals		Amidships			At Ends...												
Transverses.																	
In Bridge		Depth and Thickness 15 ✓ 40						15 40									
'tween Decks		Face Angles 4 ✓ 3½ 40						4 3½ 40									
		Lugs to Shell 6 ✓ 6 40						6 6 40									
In Awning, Shelter or Upper 'tween Decks.		Depth and Thickness 20 ✓ 40			24 ✓ 40			20 40			20 40						
		Face Angles 4 ✓ 3½ 44			4 ✓ 3½ 44			4 3½ 44			4 3½ 44						
		Lugs to Shell 6 ✓ 6 46			6 ✓ 6 46			6 6 46			6 6 46						
In Hold.		Depth and Thickness 27 ✓ 46			27 ✓ 46			27 46			27 46						
		Face Angles 6 ✓ 4 46			6 ✓ 4 56			6 4 46			6 4 56						
		Lugs to Shell 6 ✓ 6 46			6 ✓ 6 46			6 6 46			6 6 46						
		Brackets 46-40			46-40												
Spacing of Transverse Frames		9-4 6 8-9			11-0 6 7-6			9-4 6 8-9			11-0 6 7-6						
		* State if joggled or liners.															
Longitudinal Beams of L or E	Bridge Deck	7	3	36	5½	3	34	7	3	36	5½	3	34	30-31			
	Upper	7	3	40	7	3	40	7	3	40	7	3	40	30-31			
	Second	9	3	44	9	3	44	9	3	44	9	3	44	32			
	Third																