

## STEEL STEAMER or MOTORSHIP.

Received at London Office 26 NOV 1928

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel YesDate of completion of report October 24th 1928 Port of Hongkong No. 6340Survey held at Hongkong Date First Survey April 5th 1928 Last Survey October 20th 1928On the (State if Machinery fitted with and without Tonnage Deck) Twin Screw Ferry Steamer "VIOLET"State Type (Full Scantling, Complete Superstructure with or without Tonnage Deck) Passenger Ferry State Type of Erections ✓TONNAGE under Tonnage Deck... 210.40 CLASS +100A1 Ferry State if with freeboard as condition of Class No Built at HongkongDo. of space or spaces between Tonnage Dk. and Upper Dk. ✓ Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 130 Launched Sept. 11th 1928 Yard No. 651Total 210.40 Breadth (greatest moulded) B 30 Builders Hongkong & Whampoa Dock Co. Ltd.Gross Tonnage 210.40 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 9.5 Owners Federated Malay States RailwayRegister Tonnage 73.48 1st Longitudinal Number (L x D) = 1235 Managers ✓  
(Where necessary to be entered in Reg. Book.)REGISTERED DIMENSIONS. FEET. 2nd Numeral L x (B + D) = 5135 Residence PenangLength 130.6 Framing Depth "d" at middle of length. See Sec. 3 (1d) 7.75 Port of Registry PenangBreadth 30.1 Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.68 If surveyed while building, afloat, or in dry dockDepth 8.84 Draught Moulded ✓ 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.
FRAMES, Spacing amidships	21"		Bracket Floors, Frame	✓	
" " from 1/2 length to Collision bulkhead	"		" " Reversed Frame	✓	
" " in peaks	"		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	24" x 36"	
Frame Amidships, Angle, E or F	4 x 2 1/2 x 30		" " top Angles <u>double</u>	3 1/2 x 3 x 32	
" " Extends up to	36 in B.R. + Bunkers upper deck		" " bottom Angles <u>double</u>	3 1/2 x 3 1/2 x 30	
Reversed Frame Amidships, Angle in hold	2 1/2 x 2 1/2 x 36	30 on plan	Side Girders, No. each side and thickness	Two 36"	
" " in E.R. 3 1/2 x 3 x 34 double	40 in B.R. 1/2 x 1 1/2 x 32 in	E.R. on plan	Margin Plate depth (excl. of flange) and thickness	9" x 38"	
" " Extends up to	Top of floors		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	no brackets	
Depth of Framing Girder	4"		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2 x 3 1/2 x 38	
Frames in Uppermost Continuous 'tween Decks, Angle, C or [	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	margin angle	
" " Second 'tween Decks, Angle, C or [	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	✓	
" " Third " " "	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
Framing in Peaks, Angle E or F	4 x 2 1/2 x 26		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 x 4 1/2		Breadth and thickness of Middle Line Strake	36" x 38"	
State if Frame Joggled	Yes		Thickness of remainder in Hold	38 + 75 under engines	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	5 x 3 x 34 beams + side stringers frames 4 x 3 x 42 angles double frames ford 3/5 L. shell thickness maintained to collision Bulkhead		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	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships	5 x 3 x 34	
Floors, Depth and thickness at mid-line in Holds	15 x 32 30 on plan 42 in B.R. 40 on plan		" " in Way, Angle, E or F machinery space	4 x 2 1/2 x 38	
Height of Brackets at side above base line at toe of frame	none		" " in way of Bridge, Angle, E or F	21"	
Middle Line Keelson, on Floors, Angles, E or F	3 1/2 x 3 x 30 to 26 42 in B.R. 40 on plan		Spacing		
" " Through Plate or Intercostal Plate	18 x 32 to 28 42 in B.R.		Second Deck, amidships, Angle, C or [	✓	
" " Foundation Plate on Floors	12 x 32 to 28 42 in B.R.	each side	Spacing	✓	
" " Flat Plate Keel Angles	3 1/2 x 3 1/2 x 30		Third Deck, amidships, Angle, C or [	✓	
Side Keelsons, No. each side	one, flanged to shell		Spacing	✓	
" " thickness of Intercostal Plate	26 + 36 in B.R.		Fourth Deck, amidships, Angle, C or [	✓	
" " Angles	3 1/2 x 3 x 28 38 in B.R. double		Spacing	✓	
DOUBLE BOTTOM. in E.R. only.			AFT Peep Deck, Angle, E or F	5 x 3 x 30	
Solid Floors, thickness and spacing	36" x 21"		Spacing	21"	
" " Are Frame and Reversed Frame joggled?	Yes		shade Bridge Deck, Angle, E or F	4 x 2 1/2 x 30	
Bracket Floors, breadth and thickness at middle line	✓		Spacing	42"	
" " breadth and thickness at margin plate	✓		Ford Forecastle Deck, Angle, E or F	4 x 2 1/2 x 38	
			Spacing	21"	



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.		
<b>PILLARS, No. of Rows.....</b>		Two		Stringer Plate, breadth and thickness in way of Bridge .....		✓			
" in between Decks, Size and Spacing.....		2 1/2" x 1 1/4" Tube on every 16th frame		Thickness of Plating abreast Deck openings in way of Wells .....		✓			
" " " " "				Thickness of Plating abreast Deck openings in way of Bridge .....		✓			
" in Holds <i>Three rows</i>		2 3/4" x 5/8" Tube on every 16th frame		Thickness of Plating within line of openings.....		✓			
" " " " "				If Sheathed, material and thickness .....		✓			
<b>Centre Line Bulkhead.</b>				<b>Third Deck.</b>					
Stiffeners and Spacing.....		✓		Stringer Plate, breadth and thickness.....		✓			
Plating, thickness of .....		✓		If Plated, state thickness.....		✓			
<b>STRINGERS AND DECKS.</b>				<b>Fourth Deck.</b>					
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....		✓			
Stringer Plate, breadth and thickness in way of Bridge.....		32" x 36 galvanized		If Plated, state thickness .....		✓			
" " " " " in way of Bridge.....		18" x 26 "		<b>Poop Deck.</b>					
" Angle in Wells .....		3 1/2" x 3 1/2" x 36		Stringer Plate, breadth and thickness .....		✓			
Thickness of Plating abreast Deck openings in way of Wells .....		.25 "		Plating, Sheathing, material and thickness ..		✓			
Thickness of Plating abreast Deck openings in way of Bridge .....		✓		<b>Shade Bridge Deck.</b>					
Thickness of Plating within line of openings.....		36" to 26" "		Stringer Plate, breadth and thickness.....		15" x 20 galvanized			
If Sheathed, material and thickness .....		2 1/4" Teak		Plating, Sheathing, material and thickness ..		20. 2" teak			
<b>Second Deck.</b>				<b>Forecastle Deck.</b>					
Stringer Plate, breadth and thickness in Wells.....		✓		Stringer Plate, breadth and thickness .....		✓			
Plating, Sheathing, material and thickness ..		✓		Plating, Sheathing, material and thickness ..		✓			

SHELL PLATING.									
SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.				
	AMIDSHIPS.		FORWARD.		State if jagged?	RIVETS.		No. of Rows of Rivets.	BUTTS.
	Breadth.	Thickness.	Thickness.	Thickness.		Diam.	Spacing cr. to cr.		
FLAT PLATE KEEL .....	36"	.40	.36	.36	Double	3/4"	3	Three	3/4 2 7/8 Lapped
" DELG. (if any)		✓			✓				
BOTTOM PLATING, No. of Strakes <i>Two</i> .....		.30	.30	.26	Single and double for 3"	5/8	2 1/2	Two	5/8 2 1/4 "
BILGE PLATING, No. of Strakes <i>One</i> .....		.30	.26	.26	Single	5/8	2 1/2	Two	5/8 2 1/4 "
SIDE PLATING, No. of Strakes <i>One</i> .....	42"	.38	.26	.26	Single	3/4	3	Two	3/4 2 7/8 "
UPPER DECK, Sheer-strake in Wells.....	42"	.40	.26	.26	Single	3/4	3	Three	3/4 2 7/8 "
UPPER DECK, Sheer-strake in Bridge ..	✓				✓				
STRAKE BELOW Sheer-strake in Wells.....	42"	.38	.26	.26	Single	3/4	3	Two	3/4 2 7/8 "
STRAKE BELOW Sheer-strake in Bridge ..	✓				✓				
POOP SIDE PLATING .....	✓				✓				
BRIDGE SIDE PLATING ..	✓				✓				
FORECASTLE SIDE PLATING	✓				✓				

WATERTIGHT BULKHEADS.					FORGINGS and CASTINGS.				
Total No. of W.T. BULKHEADS in Vessel—					Casting or Forging.				
Extending to Upper Deck (Sec. 3 c) .....					Scantlings.				
" Deck next below.....					Maker's Name.				
As per Rule.....					Any departure from approved plans to be noted.				
MIDSHIP BULKHEAD.	Frame No.	Thickness.	STIFFENERS.						
			VERTICAL.	HORIZONTAL.					
			Scantlings.	Spacing.					
Frame No. 23	30 1/2 x 26	5 x 3 x 34. 26"	angle						
Frame No. 51	36 1/2 x 26	5 x 3 x 34. 24"							
" Third	✓	+ 26"							
" Holds	✓								
<b>COLLISION</b> (in Hold) .....	34 1/2 x 26	5 x 3 x 34. 24"							
<b>AFTER PEAK</b> .....	35 1/2 x 26	5 x 3 x 34. 24"							
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <i>O.H. Steel.</i>									
<i>Dorman Long &amp; Co. Consult Iron Co. David Colville &amp; Sons, Lanarkshire Steel Co.</i>									
Has the Steel been tested as required by the Rules? <i>Yes</i>									

EQUIPMENT No. 60200									
		WEIGHT, EX. STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 53.	
Number of Certificate.	Anchor.	Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Owts.	qrs.
31180	1st Bower ..	9	0	21	✓	11	6	3	14
31178	2nd " ..	9	0	14	✓	11	4	2	21
	3rd " ..	18	1	7	✓				
31185	Stream .....	3	3	0		6	3	0	14
	Collective weight.							18	
								3 3/4	

CHAIN CABLES.									
		WEIGHT OF CHAIN CABLE.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.	
Number of Certificate.	Length and size supplied.	Supplied.	Per Rule.	Length and size per Table 53.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Makers.	Where and when tested and Superintendent.
84729	165 1" 18 27	84-0-13	84	165 1"	Stud Not given Link on Certif.	Netterton	16th May 1928.	W.L. Byers	Sunderland
								Co. Ltd.	7th June 1928
									J.H. Butler
								-do-	8th June 1928
								-do-	

HAWERS AND WARPS.									
Number of Certificate.	Length and size supplied.	Test of Steel Wire.	Length and size per Table 58.	Breaking Test of Steel Wire.	Length and size per Table 58.	Material.	Length and size supplied.	Breaking Test of Steel Wire.	Length and size per Table 58.

Steering Gear, Steam <i>Builders</i>	Steering Gear, Hand <i>Builders</i>
Boats <i>one 12' dingy</i>	Steering Chains, Size and Test <i>3/4", 6 3/4 Tons, Rods 7/8" Windlass</i>
Ceiling in Holds, thickness and material <i>1 1/2" Hardwood</i>	Cargo Battens, thickness, material and spacing <i>1 1/2" Hardwood, 8"</i>
Cargo Hatchways.—(Upper Deck) <i>none</i>	Thickness of Hatches <i>✓</i>
Size of No. 1 Hatchway (Forward) <i>✓</i>	No. 2 <i>✓</i>
No. 3 <i>✓</i>	No. 4 <i>✓</i>
No. 5 <i>✓</i>	No. 6 <i>✓</i>
Number of Shifting Beams and/or Fore and Afters <i>✓</i>	
Builder's Signature <i>R.H. Dyer</i>	

GENERAL DECLARATION		This vessel has been constructed in accordance with the approved plans and instructions, copies of which are in the London Office.	
		The materials have been tested by the Surveyors to this Society and the workmanship is, in my opinion, satisfactory.	
		The double bottom tank, bulkheads and weather decks have been satisfactorily tested in accordance with the Rules.	
		The vessel has been specially prepared for the voyage to Penang to my satisfaction, and a summer freeboard corresponding to a draught of 7 feet, has been marked on the vessel's sides for the voyage to Penang only. (See London & Hongkong cablegrams).	
		Verification form enclosed herewith.	
The amount of Entry Fee .....		Fees applied for, <i>Oct. 20th 1928</i>	
<i>Freeboard</i> £4 = \$ 39.00		Received by me, <i>ASD</i>	
Special Survey Fee.... £42.40 = \$ 419.00		I am of opinion the Vessel should be Classed <i>*100A1 FERRY</i>	
Cablegrams <i>£ 46.00</i>		"For Service between Penang and Prai"	
Travelling Expenses, if any <i>£ 75.00</i>		With notation of <i>Lloyds A+C.P.</i>	
Total <i>\$ 618.00</i>		Signature <i>H. H. Morrison</i>	
State whether the Vessel has been built under Special Survey <i>Yes</i>		Surveyor to Lloyd's Register of Shipping.	
Certificate to be sent to <i>Builders</i>		Date of issue <i>30/11/28</i>	

Committee's Minute	FRI. 30 NOV 1928
Character assigned	<i>- 100A1</i>
Ferry for service between Penang & Prai	
Lloyd's A.C.P.	
Thinc 10.28	
CL	
R	
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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.)

This vessel has been built in accordance with the approved plans & instructions, copies of which are in the London Office.

Plan of midship section of vessel as built enclosed.  
Forging reports enclosed.

Sister Vessel: T.S.S. "ELIZABETH" Report No. 6339.

A letter, with plan, giving particulars of the preparation made to the vessel for the voyage to Penang, has been forwarded under separate cover.

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

1st Bower *5-1-8* J.L. 6967, 13<sup>th</sup> April 1928.  
2nd " *5-1-7* J.L. 6975, 13<sup>th</sup> April 1928.  
*Stream* " *2-2-2* M.R. 589, 7<sup>th</sup> + 13<sup>th</sup> Oct. 1927.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ 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 (this information is to be given as it should appear in the Register Book) *upper deck part steel, teak sheathed, shade deck teak.*

Official No. ☒ ; Signal Letters ☒ Is bottom of Vessel coated with cement *yes* if not give particulars of composition ☒

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<input checked="" type="checkbox"/>		Fore peak tank,		
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>		After peak tank,		
Double bottom, if under Engines only,	<i>14</i>	<i>10</i>	Deep tank, aft,		
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>		Deep tank, forward,		
Double bottom, forward,	<input checked="" type="checkbox"/>		Other tanks, if fitted,		
Total capacity of double bottom		<i>10</i>	(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.

Date *13/3/28*

Dates of Surveys held while building

*1928*

*April 5, 11, 13, 17, 24, 28, May 2, 7, 16, 21, 30, June 1, 7, 13, 16, 20, 25, 30, July 4, 12, 14, 18, 21, 28, Aug. 1, 7, 15, 21, 30, Sept. 3, 11, 15, 18, 22, Oct. 4, 10, 15, 18 + 20.*

Total No. of Visits *39*

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