

(MADE IN ENGLAND.)

# 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 .....	✓
„ in 'tween Decks, Size and Spacing .....			Thickness of Plating abreast Deck openings in way of Wells .....	✓ 34
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge.....	✓
„ in Holds „ „ „			Thickness of Plating within line of openings...	✓ 34
„ „ „ „ „			If Sheathed, material and thickness.....	NOT SHEATHED ✓
Centre Line Bulkhead.			Third Deck.	
Stiffeners and Spacing .....	BA. 11x3/2x48x4x3/36	See plan spaced 62" APART ✓	Stringer Plate, breadth and thickness.....	✓
Plating, thickness of .....	30 ✓		If Plated, state thickness .....	✓
STRINGERS AND DECKS.			Fourth Deck.	
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓
Stringer Plate, breadth and thickness in Wells .....	74 x .65	See letter 22.5.43 ✓	If Plated, state thickness.....	✓
„ „ „ „ in way of Bridge ✓			Poop Deck.	
„ Angle in Wells .....	STRINGER PLATE WELDED TO SHELL ✓		Stringer Plate, breadth and thickness.....	✓
Thickness of Plating abreast Deck openings in way of Wells .....	.62 ✓		Plating, Sheathing, material and thickness ...	✓
Thickness of Plating abreast Deck openings in way of Bridge.....	✓		Bridge Deck.	
Thickness of Plating within line of openings...	.42 ✓		Stringer Plate, breadth and thickness.....	✓
If Sheathed, material and thickness.....	NOT SHEATHED ✓		Plating, Sheathing, material and thickness ...	✓
Second Deck.			Forecastle Deck.	
Stringer Plate, breadth and thickness in Wells .....	84 x .36 ✓		Stringer Plate, breadth and thickness.....	✓ 36
			Plating, Sheathing, material and thickness...	PLATING 32. NO SHEATHING ✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>No</i>	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.....	52	.78	.68	.68		DOUBLE	7/8	3 3/4	FOUR	1"	4"	LAPPED	
"    Dblg. (if any)									<i>See letter 22.5.43</i>	3 1/8			
Bottom Plating, No. of Strakes ... <i>FOUR</i> ... }		.60	.50	.50		"	"	"	THREE	7/8	3 1/2	LAPPED	
Bilge Plating, No. of Strakes ... <i>ONE</i> ... }		.63	.50	.50		"	"	"	WELDED				
Side Plating, No. of Strakes ... <i>FOUR</i> ... }		.62	.46	.46		"	"	"	WELDED				
Upper Deck, Sheer-strake in <del>Wells</del> ... }	52	.69	.46	.46		"	"	"	WELDED				
Upper Deck, Sheer-strake in Bridge ... }													
Strake below Sheer-strake in <del>Wells</del> ... }	58	.64	.46	.46		"	"	"	WELDED				
Strake below Sheer-strake in Bridge ... }	THREE STRAKES OF BOTTOM PLATING. P+S 66 FROM 1/2 LEN. TO RULE POSITION OF COLLISION BULKHEAD												
Poop Side Plating.....	SHELL PLATING. IN PANTING AREA P+S INCREASED TO 58 IN LIEU OF SIDE STRINGERS.												
Bridge Side Plating.....													
Forecastle Side Plating			.40			SINGLE	7/8	3 1/2	WELDED				

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	SEVEN	NOTE: ALL BULKHEADS IN HOLD ASSESSED ON HEAD TO 2ND D ONLY.
Extending to Upper Deck (Sec. 3 c)	SIX	
„ Deck next below	ONE	
As per Rule	SEVEN.	See page 4 re. closing of openings

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	30.28	6x3x42	24	36x40	
„ „ Second „	26	6x3 1/2 x 27	24	30	
„ „ Third „					
„ „ Holds .....	85	11x3 1/2 x 58	24	36	2
COLLISION „ (in Hold) .....	54	35 12x3 1/2 x 45	24	36	2
AFTER PEAK „ „ .....	48	30 7x3 x 35	24	36	2

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....				FLAT PLATE KEEL ✓
STEM .....				TOP PORTION PLATES ✓
STERN FRAME { Propeller Post .....				CASTING ✓
{ Rudder „ .....				BEARDMORE ✓
Speed of Vessel .....				10 1/2 KNOTS ✓
RUDDER—Type .....				DOUBLE PLATE STREAM LINED ✓
„ A x D.....				570 ✓
„ Diam. of head .....				FORGING 12" ✓
„ Mainpiece at top pintle .....				CASTING 10 1/2 x 10 3/8 ✓
„ „ heel .....				6x10 3/8 ✓
„ how constructed .....				COMPLETE CAST STEEL FRAME ✓
„ double or single plate .....				DOUBLE 46 ✓
„ coupling, vertical or .....				VERTICAL ✓
„ horizontal .....				VERTICAL ✓

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	COLVILLE, STEEL CO OF SCOTLAND, LANARKSHIRE.
	Has the Steel been tested as required by the Rules? YES. ✓

# EMPIRE MIRANDA

## PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.				
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam.	Spang.		Number.	Diameter.
Framing of <b>A, L or E</b> .....													
Frames in <del>Bridge</del> 'tween Decks ...		<b>TRANSVERSE.</b> ✓											
Frames from <del>Uppermost Continuous Deck</del> No. 1		9	3½	40	✓				⑥	5¼	4 DIAS FOR 8 RIVETS	WELDED	
CENTRE GIRDER													
	" 2	4	"	"	✓				"	"	"	"	
	" 3	"	"	"	✓				"	"	"	"	
	" 4	"	"	"	✓				"	"	"	"	
	" 5	9	3½	44	✓			FITTED WITH 38 INTERCOSTAL ✓	"	"	"	"	
	" 6	9	3½	40	✓				"	"	"	"	
	" 7	"	"	"	✓				"	"	"	"	
	" 8	"	"	"	✓				"	"	"	"	
	" 9	"	"	"	✓				"	"	"	"	
	" 10												
	" 11												
	" 12												
	" 13												
	" 14												
	" 15												
	" 16												
Spacing of Longitudinal Frames		Amidships			30"								
		At Ends											
Double Bottoms		9	3½	38	✓								
TANK TOP LONGITUDINALS		9	3½	40	✓			(SEE ABOVE) ✓					
Bottom		9	3½	40	✓								
Spacing of Longitudinals		Amidships			30"								
		At Ends			30"								
Transverses.													
Side (in 'tween Decks)		Depth and Thickness											
		Face Angles											
		Lugs to Shell*											
Side (in Hold)		Depth and Thickness											
		Face Angles											
		Lugs to Shell*											
DOUBLE BOTTOM		Depth and Thickness											
		Face Angles											
		Lugs to Shell*											
TRANSVERSES		10' 4" x 7' 9" AS PER PROFILE.											
		SPACED 5' 2" AT FORE END											
Spacing of Transverse Frames		10' 4" x 7' 9" AS PER PROFILE.											
		SPACED 5' 2" AT FORE END											
Longitudinal Beams of <b>A, L or E</b>								Spacing.					
Bridge Deck													
Upper		7	3½	34	✓			36" ✓					
Second		8	3½	34	✓			36" ✓					
FORECASTLE DECK		6	3	38	✓			36" ✓					

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.

ANCHORS.

## HAWSERS AND WARPS.

**LITHGOWS LIMITED**

Lloyd's Register  
Foundation 10279 3/

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 is of the Y6 type & is similar to other vessels of the Y type except that the design is adapted for more electric welding.  
Plans & forging reports are forwarded herewith.

The plans & specification have been supervised & a copy of the certificate issued is herewith enclosed.

All tween deck bulkheads are completely closed & made watertight & heavy steel w.t. doors P & S. are fitted in the tween deck bulkheads between A2 & 3 & between A3 & the side bulkheads.

Hatch covers are not fitted on the second deck hatchways but it is the intention of the Bureau to fit sparring & hatch covers at the first opportunity.

The Echo Sounding Device was not fitted but preparations were made for fitting it as soon as the instrument was available.

Note:— Panels of deck plating, tank top & bulkhead plating were prepared with stiffeners hydraulically rivetted in position & they connected on the vessel by welding. The welding of the decks & tank top being done by the 'Union-Melt' machine. The approximate weight of the panels prepared is about 3 tons.

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of side shell, decks & tank top, Butts of bottom longitudinal, butts of margin plates, stringer plate welded to shell, hatch coamings welded to deck, trussing brackets to transverse & hatch end beams. Centre line bulkhead & transverse bulkhead butts welded, bottom plate of bulkheads carried above tank top & welded to it. Beam knees partially welded, gussets to tank top, hatch corners, butts of all deckhouses.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. CRUISER STERN; D.F.; LLOYDS A+C.P. LONGITUDINAL FRAMING AT BOTTOM & AT DECK. BUTTS OF SIDE SHELL & DECKS ELECTRICALLY WELDED.

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

1st Bower 43.2.1 : J.D. : 4008 : 27.2.42.  
2nd " 44.1.3 : J.D. : 4026 : 9.3.42.  
3rd " "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 39.4 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ☒

Official No. 169,501

Signal Letters

Extreme Breadth over Belting ☒  
(Circ. 1611)

Over-all Length 44.7.6  
(Circ. 1703)

No. and Material of Decks 2 DKS

Parts of Bottom of Vessel coated with cement or approved composition. ☒ Port of bottom in Boiler room tank covered with cement. elsewhere cement wedges at seams & butts & nuts of seams frames etc covered with cement.

Particulars of composition (if fitted) and of approval ☒

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)  
(Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	Feet. 67.16	Tons. 257	Fore peak tank,	Feet.	Tons. 122
Double bottom, under Engines and Boilers,	41.33	194	After peak tank,		162
Double bottom, if under Engines only,			Deep tank, aft, <i>the mag. of tunnel</i>	56.83	485
Double bottom, if under Boilers only,			Deep tank, forward, <i>using tanks</i>	14.9	368
Double bottom, forward,	193.91	723	Other tanks, if fitted, E.R. WINGS	23.25	384
Total length (if continuous) and Capacity	305	1174	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 3494

Date 9th APRIL 1942

Dates of Surveys held while building

(1942) MAR. 12. 19. 26. APRIL 1. 7. 9. 17. JUNE 5. 9. 15. 17. 19. 22. 25. 26. 30. JULY 15. 17. 22. 24. 28. AUG. 4. 12. 13. 20. 24. SEPT. 2. 11. 14. 16. 17. 18. 21. 22. 24. 25. 29. 30. OCT. 2. 5. 6. 9. 12. 13. 15. 19. 26. 27. 28. 30. NOV. 3. 6. 10. 12. 13. 16. 18. 19. 20. 23. 25. 26. 27. DEC. 1. 3. 4. 8. 11. 16. 17. 21. 23. 25. 29. 30. (1943) JAN. 6. 7. 8. 11. 13. 14. 15. 18. 19. 20. 21. 22. 25. 27. 28. FEB. 1. 2. 3. 4. 9. 11. 16. 17. 18. 19. 22. 24. 26. MAR. 1. 2. 3. 5. 9. 10. 11. 12. 13. 15. 16. 17. 18. 24. 26. APRIL 2. 9. 15. 20. 23.

Total No. of Visits 123.

For S.S.O. see Empire Buckler (9th 21969)