

W37-0077

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 <i>One</i>									
" in 'tween Decks, Size and Spacing	<i>3 1/2</i>		<i>60</i>						
" " " " "									
" in Holds									
" " " " "									
Centre Line Bulkhead.									
Stiffeners and Spacing	<i>Forward 9</i>	<i>3 1/2</i>	<i>48</i>	<i>BA sp 54 to 36</i>					
Plating, thickness of	<i>aft 7</i>	<i>3</i>	<i>42 to 48</i>	<i>BA sp 36 to 30</i>					
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells	<i>61</i>		<i>63</i>						
" " " " in way of Bridge									
" Angle in Wells	<i>6</i>	<i>6</i>	<i>60</i>						
Thickness of Plating abreast Deck openings in way of Wells			<i>62</i>						
Thickness of Plating abreast Deck openings in way of Bridge									
Thickness of Plating within line of openings			<i>40</i>						
If Sheathed, material and thickness	<i>3 P.P. line at sides of Hatchways</i>								
Second Deck.									
Stringer Plate, breadth and thickness in Wells	<i>72</i>		<i>50</i>	<i>in way of Motor Room</i>					
Stringer Plate, breadth and thickness in way of Bridge									
Thickness of Plating abreast Deck openings in way of Wells									
Thickness of Plating abreast Deck openings in way of Bridge									
Thickness of Plating within line of openings									
If Sheathed, material and thickness									
Third Deck.									
Stringer Plate, breadth and thickness									
If Plated, state thickness									
Fourth Deck.									
Stringer Plate, breadth and thickness									
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness									
Bridge Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness									
Forecastle Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness									

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	<i>53</i>	<i>.80</i>	<i>.74</i>	<i>.74</i>		<i>Double</i>	<i>6"</i>	<i>4"</i>	<i>4</i>	<i>1"</i>	<i>4"</i>	<i>Lapped</i>	
„ DBLG. (if any)													
BOTTOM PLATING, No. of Strakes <i>47</i>)		<i>.65</i>	<i>.62</i> <i>.60</i>	<i>.54</i> <i>.60</i>		<i>-</i>	<i>7/8</i>	<i>3 3/5"</i>	<i>4</i>	<i>7/8</i>	<i>3 1/2</i>	<i>-</i>	
BILGE PLATING, No. of Strakes <i>1</i>)		<i>.65</i>	<i>.56</i> <i>.50</i>	<i>.62</i> <i>.60</i>		<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>-</i>	
SIDE PLATING, No. of Strakes <i>5</i>)		<i>.65</i>	<i>.48</i>	<i>.52</i> <i>.48</i>		<i>-</i>	<i>-</i>	<i>-</i>	<i>3</i>	<i>-</i>	<i>3 1/2</i>	<i>-</i>	
UPPER DECK, Sheer-strake <i>in Wells</i>)	<i>80</i>	<i>.68</i>	<i>.48</i>	<i>.48</i>		<i>-</i>	<i>-</i>	<i>-</i>	<i>4</i>	<i>-</i>	<i>3 1/2</i>	<i>-</i>	
UPPER DECK, Sheer-strake in Bridge ...)													
STRAKE BELOW Sheer-strake <i>in Wells</i>)		<i>.65</i>	<i>.48</i>	<i>.48</i>		<i>-</i>	<i>-</i>	<i>-</i>	<i>4</i>	<i>7/8</i>	<i>3 1/2</i>	<i>Lapped</i>	
STRAKE BELOW Sheer-strake in Bridge ...)													
POOP SIDE PLATING													
BRIDGE SIDE PLATING ...													
FORE'C'TLE SIDE PLATING													

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	<i>Seven</i>
Extending to Upper Deck (Sec. 3 c)	<i>One</i>
" Deck next below	<i>Six</i>
As per Rule	<i>Seven</i>

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	<i>.26</i>	<i>5x3x37 Angle</i>			
" <i>41A After Hold</i>	<i>41A</i>	<i>40-26 1/2x32x50</i>	<i>30</i>		
" <i>19A Motor Room</i>	<i>40-26</i>	<i>11x3 1/2x58 BA</i>	<i>30</i>		
" <i>6B-11A</i>	<i>2" F</i>	<i>40-30 17x4x80 Chan</i>	<i>24</i>		
" <i>41A Holds Forward</i>	<i>41-26</i>	<i>8x3x52 BA</i>	<i>30</i>	<i>42x42</i>	
COLLISION (in Hold)	<i>50-26</i>	<i>8x3x46 BA</i>	<i>24</i>	<i>4 Semi Box Beam</i>	
AFTER PEAK	<i>50-30</i>	<i>9x3x52</i>	<i>24</i>		

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM		<i>Rolled Bar 10x2 1/8</i>		
STERN FRAME	Propeller Post	<i>1 1/8</i>		
	Rudder	<i>Casting 1 1/8</i>	<i>Darlington Forge</i>	
RUDDER-Ax D	<i>650</i>			
Speed of Vessel	<i>13 1/2</i>	<i>Forging</i>	<i>11 7/8</i>	<i>Dennystown Forge</i>
RUDDER mainpiece at head			<i>11 7/8</i>	
" heel			<i>9"</i>	
how constructed		<i>Keyed Arms</i>		
double or single plate		<i>single 1.03</i>		
coupling, vertical or horizontal		<i>Horizontal 6-3 1/2 filled bolts</i>		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Plates & Bars D. Colville & Sons Ltd.

Has the Steel been tested as required by the Rules? *Yes.*

Siemen Martins open heart

Lloyd's Register Foundation

EQUIPMENT No. 40957										LETTER B T	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.			
91596	1st Bower	69	1	18	45	0	26	53	10	0	72-2-0	Hingley Challenge Type N. Hingley & Sons Ltd. Netherpton 27.2.30 Green	24.2.29
91416	2nd "	69	0	14	43	1	18	53	7	2	72-2-0	"	"
91417	3rd "	69	0	14	43	1	2	53	7	2	62-0-0	"	"
	Collective weight.	207	2	18							207-0-0		
91529	Stream	20	2	21	5	1	11	21	8	0	14	20-2-0 Ordinary	N. Hingley & Sons Ltd. Netherpton 3.2.30 Green

CHAIN CABLES.										HAWSERS AND WARPS.						
Number of Certificate.	Length and size supplied.		Test per Certificate. Statu- tory. Break- ing.	WEIGHT OF CHAIN CABLE.		Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.		Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Owts. qrs. lbs.	Owts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.
85784	150	2 3/8	10/10/0/4220	422-1-3	844-1-0	300	2 3/8	Stud	N. Hingley & Sons Ltd. Netherpton 11.2.30 Green	25.2.30	TOWLINE	130	5 1/2	84-4	130	5 1/2
85798	150	2 3/8	10/10/0/4220	422-0-23				-	-	-	HAWSERS & WARPS	100	2 3/4	15-2	100	2 3/4
				844-2-76												
		Cir.						Cir.								
Iron Stream Chain or Steel Wire	120	5	70.9				120	5	Spain Whitecross 6:10:10 Harington	Makers certificates examined						

Steering Gear, Steam Harland & Wolff. Hele Shaw Electric Hydraulic Steering Gear, Hand Relieving Tackle
Boats 4 Life Boats 25 ft Steering Chains, Size and Test ✓ Windlass Emerson Walker Patent Steam
Ceiling in Holds, thickness and material 2 1/2" WP under hatchways and Cargo Battens, thickness, material and spacing 6 1/2" WP 9 apart in Nos 1 & 5 Holds direct.
Cargo Hatchways.—(Upper Deck) Steel Plates & angles Thickness of Hatches 2 1/2" Vertical spacing in Nos 2-3 & 4 Holds
Size of No. 1 Hatchway (Forward) 24'9" x 22' No. 2 30'0" x 22' No. 3 30'0" x 22' No. 4 33'0" x 22' No. 5 33'0" x 22' No. 6
Number of Shifting Beams and/or Fore and Afters 4 webs in No. 1. 5 webs in Nos 2 & 3 and 6 webs in Nos 4 & 5 Hatchways

For HARLAND AND WOLFF, LIMITED.

Builder's Signature

Chas. Taylor

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel. Yes. (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. Yes. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the plans approved by the Committee. The Secretary's letters and in general conformity with the Rules and the workmanship and materials are good. The double bottom tanks, peak tanks, deep tanks, oil fuel bunkers and copper dams have been tested as required by the Rules with satisfactory results, the weather decks, watertight bulkheads and flats have been satisfactorily hose tested, and the steering gear windlass, bilge pumps, hand pumps and watertight doors have been tested under working conditions and found good. The assigned freeboards have been verified and cut in on the vessel's sides. Oil fuel flash point above 150°F is carried in Nos 2-3-4-5 and 6 Double bottom tanks and in Deep Tanks amidships and in tanks between tunnels, and these tanks together with the deep tanks are also adapted for the carriage of vegetable cargo oil FP above 150°F. The fore peak tank has been additionally stiffened as per approved plan dated 20/1/30 to enable oil to be carried in this tank if desired in future.

The amount of Entry Fee £ 9 : 0 : 0
Special Survey Fee £ 339 : 11 : 6
Freeboard 9 : 3 : 4
Travelling Expenses, if any £ : : :
Fees applied for, 19-11-1930
Received by me, 16/12/30

I am of opinion the Vessel should be Classed +100 R1 with freeboard Carrying vegetable oil or oil fuel flash point above 150°F in deep tanks and tanks between tunnels.

State whether the Vessel has been built under Special Survey Yes.

Signature

S. O. Kendall

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to This Office

Date of issue 18/12/30

Committee's Minute

FRI. 28 NOV 1930

Character assigned

+ 100 R1

Write Bel...

With freeboard Carrying Vegetable oil in Deep Tanks and in tanks between tunnels

Lloyd's as per + Lmb. 11.30 of oil in Elec. Light

Lloyd's Register Foundation

Sharon
D. Jones
3/11/31

2/2-0077
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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.)

The approved sketches of Midship Section, Profile & Deck Plans and Pumping Plan together with seven forging reports are enclosed herewith verified copies of remaining plans are filed in the London Office.

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

1st Bower 37-0-12 KH. No 7559 28th January 1930
2nd " 35-1-14 MB. No 7119 28th October 1929
3rd " 35-0-16 MB. No 7110 25th October 1929

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)

1st Deck (stl) and Shelter Deck (stl) plating.

Official No. 161870 : Signal Letters

Is bottom of Vessel coated with cement. Bilges only not give fillets in Double Bottom Tanks

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	117	316	Fore peak tank,		64
Double bottom, under Engines and Boilers,			After peak tank,		127
Double bottom, if under Engines only,	60	225	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, Amidships 18' and 15'	33	1025 Oil
Double bottom, forward,	174	567	Other tanks, if fitted, between funnels.	60	206
Total capacity of double bottom		1108	(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. 812

Date 26th June 1929

Dates of Surveys held while building

1929
June 2nd July 2, 4, 10, 22, 24, 26 Aug 1, 5, 8, 13, 14, 15, 19, 26 Sept 3, 4, 10, 11, 13, 15, 24, 26, 30 Oct 8, 11, 15, 16, 18, 23, 24, 31 Nov 6, 14, 19, 21, 27, 29 Dec 6, 11, 16 1930
Jan 2, 7, 10, 28, 30 Feb 6, 12, 18, 27 Mar 7, 17, 21, 27 Apr 10, 15, 23, 25 May 1, 5, 6, 12, 13, 16, 17, 23, 28, 29, 30 June 3, 6, 7, 9, 10, 11, 12, 17 Sept 2, 15, 26, 30 Oct 2, 8, 14, 17, 23, 30 Nov 4, 5, 7, 10, 11, 12, 13

Total No. of Visits 94