



# 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>		<i>one</i>		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 .....	✓	<i>36</i>	
"    "    "    "    "    "	✓			Thickness of Plating abreast Deck openings in way of Bridge .....	✓		
"    in Holds    "    "	✓			Thickness of Plating within line of openings...	✓	<i>34</i>	
"    "    "    "    "    "    "    "	✓			If Sheathed, material and thickness .....	✓		
<b>Centre Line Bulkhead.</b>				<b>Third Deck.</b>			
Stiffeners and Spacing.....		<i>5x3x32 OA. &amp; 7x3x3/8 L @ 2 ft. spaces</i>	✓	Stringer Plate, breadth and thickness.....	✓		
"    "    "    "    "    "    "    "		<i>12x3 1/2 x 7/16 L @ 2 ft. spaces</i>	✓	If Plated, state thickness.....	✓		
Plating, thickness of .....		<i>26</i>		<b>Fourth Deck.</b>			
<b>STRINGERS AND DECKS.</b>				Stringer Plate, breadth and thickness.....	✓		
<b>Uppermost Continuous Deck.</b>				If Plated, state thickness .....	✓		
Stringer Plate, breadth and thickness in Wells		<i>65 1/2 x 65</i>	✓	<b>Poop Deck.</b>			
"    "    "    "    "    "    "    "				Stringer Plate, breadth and thickness .....	✓		
"    "    "    "    "    "    "    "				Plating, Sheathing, material and thickness ...	✓		
Angle in Wells .....		<i>6 x 6 x 60</i>	✓	<b>Bridge Deck.</b>			
Thickness of Plating abreast Deck openings in way of Wells .....		<i>60 x 55</i>	✓	Stringer Plate, breadth and thickness.....	✓		
Thickness of Plating abreast Deck openings in way of Bridge .....		✓		Plating, Sheathing, material and thickness ...	✓		
Thickness of Plating within line of openings...		<i>40</i>	✓	<b>Forecastle Deck.</b>			
If Sheathed, material and thickness .....		✓		Stringer Plate, breadth and thickness.....	✓	<i>35 x 36</i>	<i>see plan</i>
<b>Second Deck.</b>				Plating, Sheathing, material and thickness ...	✓	<i>32-50 Under W. L. ass.</i>	✓
Stringer Plate, breadth and thickness in Wells...		<i>82 3/4 x 38</i>	✓				

## SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.		BUTTS.		
	AMIDSHIPS.		FORWARD.	AFT.	State if jogged?	RIVETS.	NO. OF ROWS OF RIVETS.	RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.
FLAT PLATE KEEL .....	<i>54</i>	<i>80</i>	<i>70</i>	<i>73</i>	<i>Double</i>	<i>7/8</i>	<i>3 3/4</i>	<i>3R</i>	<i>7/8</i>
"    DBLG. (if any) .....	✓								
"    "    "    "    "    "    "    "									
BOTTOM PLATING, No. of Strakes A.C.R.D. ....		<i>60</i>	<i>70</i>	<i>52</i>	<i>do</i>	<i>7/8</i>	<i>3 3/4</i>	<i>4R</i>	<i>7/8</i>
BILGE PLATING, No. of Strakes .....E.....		<i>65</i>	<i>70</i>	<i>52</i>	<i>do</i>	<i>7/8</i>	<i>3 3/4</i>	<i>4R</i>	<i>7/8</i>
SIDE PLATING, No. of Strakes .....F.....		<i>64</i>	<i>57</i>	<i>52</i>	<i>do</i>	<i>7/8</i>	<i>3 3/4</i>	<i>4R</i>	<i>7/8</i>
UPPER DECK, Sheer-strake in Wells.....		<i>60</i>	<i>45</i>	<i>45</i>	<i>do</i>	<i>7/8</i>	<i>3 3/4</i>	<i>3R</i>	<i>7/8</i>
UPPER DECK, Sheer-strake in Bridge ...		<i>65</i>	<i>45</i>	<i>45</i>	<i>do</i>	<i>7/8</i>	<i>3 3/4</i>	<i>4R</i>	<i>7/8</i>
STRAKE BELOW Sheer-strake in Wells.....	<i>77 1/2</i>	<i>73</i>	<i>60</i>	<i>46</i>	<i>do</i>	<i>7/8</i>	<i>3 3/4</i>	<i>4R</i>	<i>1</i>
STRAKE BELOW Sheer-strake in Bridge ...	✓								
POOP SIDE PLATING .....	<i>83 1/4</i>	<i>65</i>	<i>46</i>	<i>46</i>	<i>do</i>	<i>7/8</i>	<i>3 3/4</i>	<i>3R</i>	<i>7/8</i>
BRIDGE SIDE PLATING ...	✓								
FORECASTLE SIDE PLATING			<i>40</i>		<i>Single</i>	<i>3/4</i>	<i>3</i>	<i>1R</i>	<i>3/4</i>

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>		
Extending to Upper Deck (Sec. 3 c) .....	<i>7</i>	<i>Div. W.T. BH 133</i>
"    Deck next below .....	<i>7</i>	<i>109</i>
As per Rule .....	<i>7</i>	<i>84</i>

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	<i>26</i>	<i>5 x 3 x 42 OA</i>	<i>30</i>	✓	✓
"    "    Second .....	✓				
"    "    Third .....	✓				
"    "    Holds ...No. 87...	<i>45-26</i>	<i>12 x 3 1/2 x 45 L</i>	<i>30</i>	✓	✓
COLLISION .....	<i>53-29</i>	<i>10 x 3 1/2 x 44 L</i>	<i>24</i>	✓	✓
AFTER PEAK .....	<i>48-30</i>	<i>9 x 3 1/2 x 38 L</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 M.S. 10 x 2 1/2</i>		
STERN FRAME { Propeller Post ...		<i>M.S. Fabricated as per Dorman</i>		
{ Rudder .....		<i>Approved plan</i>	<i>Long</i>	✓
Speed of Vessel .....		<i>11 Knots.</i>		
RUDDER—Type.....		<i>Ordinary</i>		
"    A x D .....		<i>357</i>		
"    Diam. of head .....		<i>10</i>		
"    Mainpiece at top pintle .....		<i>10</i>		
"    "    heel ...		<i>7 1/2</i>		
"    how constructed .....		<i>Fabricated.</i>		
"    double or single plate .....		<i>Double</i>		
"    coupling, vertical or horizontal .....		<i>Vertical</i>		

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth* ✓  
*Dorman Long, Corsett, Appleby Fordingham, Stewart & Lloyd, South Durham, Barga Fleet*  
*Sheffield, Colvilles.*  
 Has the Steel been tested as required by the Rules? *yes.* ✓

EQUIPMENT No 40052-75 ✓												LETTER at ✓		ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.						
40973	1st Bower ...	68	0	25 ✓	✓	✓	✓	52	15	2	14	68 ✓	stockless	W. & A. Pyper & Co	L.P.H-S	4-7-41	W.U.N.
40971	2nd „ ...	68	0	14 ✓	✓	✓	✓	52	15	2	14	68 ✓	do	do	L.P.H-S	4-7-41	W.U.N.
	3rd „ ...											58½					
	Collective weight.											194½					
99784	Stream .....	19	1	7 ✓	5 ✓	1 ✓	21 ✓	20	4	0	7	19	Steel stock	G. Taylor & Sons.	L.P.H-N	28-4-41	J.A.R.

CHAIN CABLES.														HAWERS AND WARPS.					
Number of Certificate.	Length and size supplied.		Test per Certificate.		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.	Statu-ry.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Length.	Ins.	Length.	Ins.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
116279	225½	2	100½	41½	482-3-0	720¾	270	2½	Tayco	S. Taylor & Sons.	LPH-N 30-5-41 JAR	TOWLINE...	120	4¾	64.6	120	4¾		
116280	15	2	do	do	31-3-14				do	do	LPH-N 30-5-41 JAR								
116281	15	2	do	do	31-3-14				do	do	LPH-N 30-5-41 JAR	HAWERS & WARPS	2e 90	2¾	15.2	2e 90	2¾		
116282	15	2	do	do	32-0-0				do	do	LPH-N 30-5-41 JAR	"	2e 90	2½	13.2	2e 90	2½		
	270																		
Iron Stream Chain and Steel Wire	90	5			52.8		90	5											

Steering Gear, Type (Power or hand)		Donkin.	Alternative Means of Steering		Block & tackle from after winch, 1-26 ft motor lifeboat
Steering Chains (Size and Test)		Yelemotor	Windlass		Clarke Chapman
Ceiling in Holds, thickness and material		2½" W.W. at bilges only	Cargo Battens, thickness, material and spacing		Not fitted, cleats supplied
Cargo Hatchways.—(Upper Deck)		Steel plate and angles	Thickness of Hatches		2¾" — 2½" at No 4
Size of Hatchways No. 1 (Fwd.)		31'6" x 20'	No. 2		31' x 20'
No. 3		31' x 20'	No. 4		12'-11" x 20'
No. 5		31' x 20'	No. 6		31' x 20'
Number of Shifting Beams and/or Fore and Afters		5	5		5

Builder's Signature		FOR SHORT BROTHERS, LIMITED.
Scarp. A. Mott;		DIRECTOR

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel		No
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo		No
The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).		
The vessel has been built in accordance with the approved plans, the Secretary's letters and the Society's Rules. The material and workmanship are good. The double bottom and fore & after peak tanks have been tested under water pressure and found good. The decks, Upper, Second, and Fore, bulkheads, tunnel, N.T. doors in casings and ash chute, have been hose tested as required by the rules and found satisfactory. The steering gear, secondary means of steering and windlass have been tested whilst moored in the river. The bilge suction and hand pumps have been tested and found good. No cargo battens have been fitted, but cleats supplied. The third bower anchor has not been supplied. Hatch covers omitted on Second deck except at fore & after ends of No 3 and aft end of No 4. The freeboard markings have been verified and cut in on the vessel's sides.		

Amount of Entry Fee .....	£ 10 : - : -	Fees applied for,	(Special notations, where part of class, to be stated.)
Special Survey Fee....	£ 375 : 18 : 6	Received by me,	
SPECIFICATION			
Travelling Expenses, if any	£ 93 : 19 : 6		
Freeboard.	17. 0. 0.		
State whether the Vessel has been built under Special Survey		yes	
Certificate to be sent to		SUNDERLAND.	Date of issue 20/2/42

Committee's Minute		FRI. 23 JAN 1942
Character assigned		+100 A1 with freeboard
Lloyd's A&CP.		+LMC 1
Note Sd		2020
		Lloyd's Register Foundation

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.)

See also Empire Norway & Narvik (ex Empire Roine)

PARTICULARS OF ELECTRIC WELDING (if employed) W.T. bulkhead stiffener brackets to tank top, tank side gussets to tank top, & bulkheads to tank top, fore and after peak tank top to shell. Upper deck under foils to shell, ventilator coamings to deck. Tunnel stiffeners to tank top. Second deck stringer cheeks to shell and deck. Alternate keel butts, Second deck girder rider plates to girder gusset plates.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Lloyd's A.C.P. D.F. ✓  
"6 divisional W.T. bulkheads in tween decks" (See correspondence with Fabroni report on closing of 2nd deck openings especially on BH 87)

including pair	Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	44-0-23	J.T.	3886	28-3-41
		2nd "	44-2-0	J.T.	3872	22-3-41
		3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 39.5 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. 169006 Signal Letters ✓ Extreme Breadth over Belting (Circ. 1611) ✓ Over-all Length 446.5 ✓ (Circ. 1703)  
No. and Material of Decks 2 Decks (Steel)  
Parts of Bottom of Vessel coated with cement or approved composition Cement in double bottom tanks, peak tanks and bilges ✓  
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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	111.08	314	Fore peak tank,	22.0	117 ✓
Double bottom, under Engines and Boilers,	46.5	221	After peak tank,	20.0	110 ✓
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	209.75	839	Other tanks, if fitted,	✓	✓
Total length (if continuous) and Capacity	367.33	1374	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5980

Date 27. 3. 41

Dates of Surveys held while building

1941. May. 2. 6. June 6. 10. 17. 20. 23. 27. July 8. 10. 11. 14. 15. 16. 17. 18. 22. 23. 24. 28. 29. 30. 31. Aug. 1. 5. 6. 7. 8. 11. 12. 13. 14. 20. 22. 26. 29. Sep. 1. 2. 3. 5. 8. 9. 10. 12. 15. 17. 18. 19. 22. 23. 25. 30. Oct. 1. 3. 6. 7. 8. 9. 10. 13. 14. 15. 17. 20. 21. 23. 27. 28. 29. 30. 31. Nov. 3. 6. 7. 11. 12. 13. 14. 17. 20. 21. 25. 26. 27. 28. Dec. 2. 4. 5. 8. 9. 10. 12. 16. 17. 18. 19. 20. 22. 23. 24. 26. 27. 28. 29. 30. 31. 1942. Jan. 1. 2.

Lloyd's Register Foundation  
Total No. of Visits 108