

STEEL STEAMER or ~~MOTORSHIP~~

BARK 1937

Received at London Office

State if Report has been sent on the Freeboard of the Vessel *Yes*State if Report is sent on the Machinery of the Vessel *Yes*Date of completion of report *5th April, 1934*Port of *West Hartlepool*No. *17656*Survey held at *West Hartlepool*Date First Survey *22nd September, 1936*Last Survey *24th March, 1937*On the (State if Machinery fitted Aft and
(If Single, Twin or Triple Screw) *Single Screw Steamer "FELLDENE" Machinery Amidships*State Type (Full Scantling, Complete Superstructure
with or without Tonnage Openings) *Yull Scantling*State Type of Erections *P.B. & F.*TONNAGE under 3905.08
Tonnage DeckCLASS ☒ 100 A1State if with freeboard
as condition of Class *No*Built at *West Hartlepool*Do. 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) *L380.00*Launched *13th February, 1934*. Yard No. *1044*

Total

Breadth (greatest moulded) *B 53.00*Builders *William Gray & Co. Ltd.*Gross Tonnage *4259.84*Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) *D 26.84*Owners *Felldene Shipping Co. Ltd.*Register Tonnage *2617.74*1st Longitudinal Number (L x D) *= 10211*Managers *Dene Ship Management Co. Ltd.*
(Where necessary to be entered in Reg. Book.)2nd Numeral L x (B + D) *= 30351*Residence *25, St. Mary Lane, London.*REGISTERED DIMENSIONS.
FEET.Length *385.5*Framing Depth "d," at middle of length. See
Sec. 3 (1d) *23.54*Port of Registry *London.*Breadth *53.2*Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel *14.10*

If surveyed while building, afloat, or in dry dock

Depth *24.6*Do. Long Bridge to top
of keel *11.08**Whilst Building.*Draught Moulded *23.84*

FRAMES, DOUBLE BOTTOM AND BEAMS.

N.B.S. SECTIONS.

	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	29½			✓	Bracket Floors, Frame	B.A.	6	3½	32	42 B.S.
" " from ¾ length to Collision } bulkhead.....}	27			✓	" " Reversed Frame.....	B.A.	5½	3	30	✓
" " in peaks.....	24			✓	" " Vertical Struts	B.A.	5½	3	30	✓
SIDE FRAMING.					Centre Girder, depth and thickness amidships		40	48		✓
Frame Amidships, Angle , [E]	18 x 3½ x 3½ x 44			✓	" " top Angles	Double	3½	3½	42	✓
" " Extends up to	Upper Dk. & B.D. at Hatch Ends			✓	" " bottom Angles	Double	4	4	48	✓
Reversed Frame Amidships, Angle	✓			✓	Side Girders, No. each side and thickness		one	34		✓
" " Extends up to...	✓			✓	Margin Plate depth (excl. of flange) and } thickness		32½	48		✓
Depth of Framing Girder.....	✓			✓	" " Vertical Angle to Tank side } Bracket abaft ¼ len. from } stem		3½	3½	38	✓
Frames in Uppermost Continuous 'tween } Decks, Angle, [E or [.....	6 3½ 32 42 B.S.			✓	" " Vertical Angle to Tank side } Bracket forward ¼ len. from } stem		5	5	38	✓
" " Second 'tween Decks, Angle, [or [7 3½ 33 42 B.S.			✓	" " Gussets, spacing and scantling } abaft ¼ len. from stem.....}		26½	26½	39	✓
" " Third " " " " "	✓			✓	" " Gussets, spacing and scantling } forward ¼ len. from stem.....}		26½	26½	39	✓
Framing in Peaks, Angle , [.....	7 3½ 40			✓	Tank Side Brackets, height above base line } at toe of Frame and thickness }		59	42		✓
Diameter and Spacing of Rivets through } Frame and Shell Plating amid- } ships	7/8 @ 5¾			✓	INNER BOTTOM PLATING.					
State if Frame Joggled	Yes			✓	Breadth and thickness of Middle Line Strake ...		60	48		✓
PANTING ARRANGEMENTS (Sec. 7), state } system and particulars }	9 4 60			✓	Thickness of remainder in Holds		41			✓
STRENGTHENING OF BOTTOM FOR- } WARD. State Particulars	9 4 62			✓	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			✓
SINGLE BOTTOM.					BEAMS.					
Floors, Depth and thickness at mid-line in } Holds					Uppermost Continuous Deck, amidships } in Wells, Angle, [E or [.....		7	3½	34	½ Beams
Height of Brackets at side above } base line at toe of frame					" " in way of Bridge, Angle, } [E or [.....		11	3½	42	✓
Middle Line Keelson, on Floors, Angles, } [or [.....					Spacing		29½			✓
" " Through Plate or } Intercostal Plate...					Second Deck, amidships, Angle, [or [.....		✓			
" " Foundation Plate on } Floors					Spacing.....		✓			
" " Flat Plate Keel Angles					Third Deck, amidships, Angle, [or [.....		✓			
Side Keelsons, No. each side					Spacing.....		✓			
" " thickness of Intercostal Plate...					Fourth Deck, amidships, Angle, [or [.....		✓			
" " Angles					Spacing.....		✓			
DOUBLE BOTTOM.					Poop Deck, Angle , [E or [.....		8	3	36	✓
Solid Floors, thickness and spacing	39 @ 118			✓	Spacing.....		29½	24		✓
" " Are Frame and Reversed Frame } joggled ?.....}	Yes			✓	Bridge Deck, Angle , [E or [.....		9	3½	39	✓
Bracket Floors, breadth and thickness at } middle line..... }	30 x 39			✓	Spacing		29½			✓
" " breadth and thickness at } margin plate..... }	30 x 39			✓	Forecastle Deck, Angle , [E or [.....		8	3	34	✓
					Spacing		7	3	36	✓

PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS , No. of Rows	one row in Poop	2	2	2	2
" in 'tween Decks, Size and Spacing.....		✓			
" " " " "		✓			
" in Holds " "		✓			
" " Bridge " "		26	3	30	L @ 59
Centre Line Bulkhead.					
Stiffeners and Spacing.....	C	12	3 1/2	3 1/2	36 @ 59
Plating, thickness of		30			
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells		F. 1.36	88	60	✓ See plan
" " " " in way of Bridge		72	x	37	✓
" Angle in Wells		6		80	
Thickness of Plating abreast Deck openings) in way of Wells		F. 89	83	✓	See plan
Thickness of Plating abreast Deck openings) in way of Bridge		A. 88	90		
Thickness of Plating within line of openings...		34			
If Sheathed, material and thickness		✓			
Second Deck.					
Stringer Plate, breadth and thickness in Wells...		✓			
Stringer Plate, breadth and thickness in way of Bridge		34			
Thickness of Plating abreast Deck openings) in way of Wells		30			
Thickness of Plating abreast Deck openings) in way of Bridge		26			
Thickness of Plating within line of openings...		51			
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		34			See plan
Plating, Sheathing, material and thickness ...		30			26 with 2 1/2 P.P. sheathing
Bridge Deck.					
Stringer Plate, breadth and thickness.....		72	x	54	
Plating, Sheathing, material and thickness ...		51			
Forecastle Deck.					
Stringer Plate, breadth and thickness.....		see plan	x	34	
Plating, Sheathing, material and thickness ...		34			

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>no</i> ✓			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		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>48</i>	<i>.42</i> ✓	<i>.64</i> ✓	<i>.64</i>		<i>Double</i>	<i>7/8</i>	<i>3 2/9</i> ✓	<i>4</i>	<i>1</i>	<i>4</i> ✓	<i>Lapped</i>	
„ DBLG. (if any)	✓	✓	✓	✓		✓				✓	✓	✓	
BOTTOM PLATING, No. of Strakes <i>3</i>	<i>85</i>	<i>.59</i> ✓	<i>.62</i> ✓	<i>.59</i> ✓		<i>Double</i>	<i>7/8</i>	<i>3 2/9</i> ✓	<i>3</i>	<i>7/8</i>	<i>3 1/8</i>	<i>Lapped</i>	
BILGE PLATING, No. of Strakes <i>1</i>	<i>85</i>	<i>.59</i> ✓	<i>.50</i>	<i>.59</i>		<i>"</i>	<i>7/8</i>	<i>3 2/9</i> ✓	<i>3</i>	<i>7/8</i>	<i>3 1/8</i> ✓	<i>"</i>	
SIDE PLATING, No. of Strakes <i>2</i>	<i>85</i>	<i>.59</i> ✓	<i>.45</i>	<i>.45</i> ✓		<i>"</i>	<i>7/8</i>	<i>3 2/9</i> ✓	<i>3</i>	<i>7/8</i>	<i>3 1/8</i> ✓	<i>"</i>	
UPPER DECK, Sheer- strake in Wells	<i>74</i> ✓	<i>1.24</i> ✓	<i>.40</i> ✓	<i>.61</i> <i>alt.</i>		<i>"</i>	<i>7/8</i>	<i>3 2/9</i> ✓	<i>4 + 3</i>	<i>1 7/8</i>	<i>4 + 3/8</i> ✓	<i>"</i>	
UPPER DECK, Sheer- strake in Bridge ...	<i>74</i>	<i>.59</i>	<i>.50</i>	<i>.42</i>		<i>"</i>	<i>7/8</i>	<i>3 2/9</i> ✓	<i>3</i>	<i>7/8</i>	<i>3 1/8</i> ✓	<i>"</i>	
STRAKE BELOW Sheer- strake in Wells	<i>85</i>	<i>.59</i>	<i>.54</i>	<i>.50</i>	<i>alt.</i>	<i>"</i>	<i>7/8</i>	<i>3 2/9</i>	<i>4 + 3</i>	<i>7/8</i>	<i>3 1/2 + 3/8</i> ✓	<i>"</i>	
STRAKE BELOW Sheer- strake in Bridge ...	<i>85</i>	<i>.59</i> ✓	<i>.45</i>	<i>.45</i>		<i>"</i>	<i>7/8</i>	<i>3 2/9</i>	<i>3</i>	<i>7/8</i>	<i>3/8</i> ✓	<i>"</i>	
POOP SIDE PLATING			<i>.38</i> ✓			<i>Single</i>	<i>3/4</i>	<i>3"</i>	<i>Single</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>	
BRIDGE SIDE PLATING ...			<i>.59</i> ✓			<i>Double</i>	<i>7/8</i>	<i>3 2/9</i> ✓	<i>4</i>	<i>7/8</i>	<i>3 1/2</i>	<i>"</i>	
FOREC'TLE SIDE PLATING			<i>.40</i> ✓			<i>Single</i>	<i>3/4</i>	<i>3"</i> ✓	<i>Single</i>	<i>3/4</i>	<i>2 5/8</i>	<i>"</i>	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c).....	6 ✓
„ Deck next below.....	✓
As per Rule.....	6 ✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	S.M. Steel	9x28	✓ The Lancashire Steel Co. Ltd.	
STERN FRAME {	Propeller Post	W.I. Forging	10x7	✓ C.M.E.W.
	Rudder	"	10x7	✓ C.M.E.W.
RUDDER—AxD.....		402.4	✓ C.M.E.W.	
Speed of Vessel		10	✓ NM.	
RUDDER mainpiece at head ...	W.I. Forging	9½"	✓ C.M.E.W.	
" " heel ...	"	7½"	✓ C.M.E.W.	
" how constructed		Built.		
" double or single plate		Double	✓	
" coupling, vertical or horizontal.....		Horizontal		

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings	Spacing.
MIDSHIP BULKH'D,	Upper tween decks	✓				
"	" Second "	✓				
"	" Third "	✓				
"	" Holds	✓	44-26	11x3½x 42L @ 30	✓	✓
COLLISION	" (in Hold)	✓	50-26	8x3x34L @ 24.4	✓	Semi-box beam
AFTER PEAK	" (1/8) "	✓	47-30	6x3x30L @ 24.2	"	" "

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *S.M. open-hearth*
Plates:- South Durham S.S. Co. Ltd. Dorman, Long & Co. Ltd.
Sections:- Colvilles Ltd. Dorman Long & Co. Ltd. Consett Iron Co. Ltd. S. Yzack & Co. Ltd. Cargo Fleet Iron Co. Richards & Sons Ltd.
 Has the Steel been tested as required by the Rules? *Yes. ✓*

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.)

Sister Vessels: ^{S/S} "Cressdene" West Hartlepool Report No. 17552.
^{S/S} "Yordene" " " " " 17566.
^{S/S} "Oakdene" " " " " 17624

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.		CWT. OR LB.			
1st Bower	35 • 2 • 3 ✓	W.H.	5942	23 • 10 • 36	
2nd „	34 • 3 • 12 ✓	J.F.R.	2148	13 • 11 • 36	
3rd „	30 • 2 • 14 ✓	J.D.	875	25 • 10 • 35	

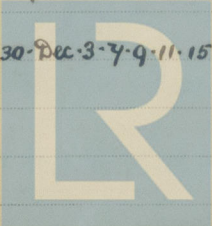
PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 51.16 ft., R.Q.D. ✓ ft., Bridge 236.79 ft., Forecastle 30.83 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *not joined*

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *1 Dth (Stl) Cruiser Stern.*
Official No. *165434* ; 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,	124.83	384 ✓	Fore peak tank,	18.0	116 ✓
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	15.91	104 ✓
Double bottom, if under Engines only,	19.66	81 ✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only, <i>DRY TANK</i>	14.2	-	Deep tank, forward,	✓	✓
Double bottom, forward,	166.66	530 ✓	Other tanks, if fitted,	✓	✓
	Total capacity of double bottom	995 ✓	(If necessary, furnish further information by sketch.)	✓	✓

Order for Special Survey No. *2392*
Date *18.9.36.*

Dates of Surveys held while building
1934. Sept. 22-30 Oct. 1-3-6-8-12-13-16-20-22-29 Nov. 3-12-13-18-23-30 Dec. 3-7-9-11-15-18-21-31. 1937 Jan. 6-11-14-19-20-22-25-27-29 Feb. 1-3-5-8-11-16 Mar. 8-15-17-18-19-24

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Total No. of Visits *44*