

STEEL STEAMER or MOTORSHIP.

Received at London Office 6 AUG 1935

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 *26th July 1935.*Port of *Newcastle*No. *92792*Survey held at *Newcastle*Date First Survey *28th Dec 1934*Last Survey *26th July 1935.* 19On the *Steel Single Screw Steamer "DUMFRIES"*State Type *Complete Superstructure with Tonnage opening*State Type of Erections *Complete Superstructure with Tonnage opening*TONNAGE under Tonnage Deck... *4720.21*CLASS *1100A1*State if with freeboard as condition of Class *Yes*Built at *Hebburn on Tyne*Launched *17th June 1935.* Yard No. *585*Builders *R.W. Hawthorn Leslie & Co*Owners *B.J. Sutherland & Co Ltd.*Managers *✓*
(Where necessary to be entered in Reg. Book.)Residence *Newcastle on Tyne*Port of Registry *Newcastle*

If surveyed while building, afloat, or in dry dock

during construction

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Total

Gross Tonnage *5142.60*Register Tonnage *2064.09*REGISTERED DIMENSIONS.
FEET.Length *416.3.*Breadth *55.2*Depth *26.05.*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *L 412.*Breadth (greatest moulded) *B 55.*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 28.6. M.*1st Longitudinal Number (L x D) = *15034*2nd Numeral L x (B + D) = *37694*Framing Depth "d." at middle of length. See Sec. 3 (1d) *24.92*Proportions—Depth to Length—Uppermost continuous deck to top of keel *10.99*
Do. Long Bridge to top of keel *✓*

Draught Moulded

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	<i>30</i> ✓		Bracket Floors, Frame	<i>6. 3. 36</i> ✓	
" " from $\frac{3}{8}$ length to Collision bulkhead.....	<i>27</i> ✓		" " Reversed Frame <i>L</i>	<i>5. 3. 36</i> ✓	<i>revised for increase</i>
" " in peaks.....	<i>24</i> ✓		" " Vertical Struts <i>E</i>	<i>8. 3. 36</i> ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>43. x 54. 46</i> ✓	<i>62 BS.</i>
Frame Amidships, Angle, <i>E or F</i>	<i>12. 4. 4. 53/60</i> ✓		" " top Angles <i>D</i>	<i>3. 3. 48-44</i> ✓	
" " Extends up to	<i>2nd deck</i> <i>revised</i> ✓		" " bottom Angles <i>D</i>	<i>4. 4. 54-50</i> ✓	<i>revised</i>
" " <i>134-143 (27" SL)</i> <i>E</i>	<i>12. 4. 4. 58/60</i> ✓		Side Girders, No. each side and thickness	<i>One 38" x 51. B.S. 42 ER.</i> ✓	
Reversed Frame Amidships, Angle <i>E</i>	<i>12. 4. 4. 58/60</i> ✓		Margin Plate depth (excl. of flange) and thickness	<i>40" x 54. 60 BS.</i> ✓	
" " Extends up to	<i>2nd deck</i> <i>revised</i> ✓		" " Vertical Angle to Tank side	<i>3. 3. 44</i> ✓	
Depth of Framing Girder <i>in purling area</i> <i>12 Ch x 7 1/2 x 54 face plate</i> <i>x 4 x 4 x 60</i> ✓			" " Bracket abaft $\frac{1}{4}$ len. from stem	<i>6. 6. 44</i> ✓	
Frames in Uppermost Continuous 'tween' Decks, Angle, <i>E or F</i>	<i>6. 3. 34</i> <i>revised</i> <i>Jord</i> ✓		" " Vertical Angle to Tank side	<i>6. 6. 44</i> ✓	
" " <i>main frames in way of Tunnel Keels</i> <i>Second 'tween' Decks, Angle, <i>E or F</i></i>	<i>10. 3. 42</i> ✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	<i>42 Continuous as appd</i> ✓	
" " <i>Third</i> " " " "	✓		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	<i>42 Continuous as appd</i> ✓	
Framing in Peaks, Angle <i>E or F</i>	<i>8. 3. 35</i> ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>5' 9" x 49"</i> ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 @ 5 1/4"</i> ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes</i> ✓		Breadth and thickness of Middle Line Strake	<i>53 x 52-44. 58 BS.</i> ✓	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars)	<i>4 stringer frames as above</i> ✓		Thickness of remainder in Holds	<i>44-40. as appd</i> ✓	
STRENGTHENING OF BOTTOM FORWARD: State Particulars	<i>Bottom shell increased extra girder fitted frame bottom increased.</i> ✓		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?	<i>Yes</i> ✓	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, <i>E or F</i>	<i>7. 3. 35</i> <i>revised</i> <i>appd</i> ✓	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, <i>E or F</i>	<i>8. 3. 35</i> ✓	
Middle Line Keelson, on Floors, Angles, <i>E or F</i>			" " Spacing	<i>every frame</i> ✓	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, <i>E or F</i>	<i>8 x 3 x 35</i> <i>revised</i> <i>appd</i> ✓	
" " Foundation Plate on Floors			" " Spacing	<i>9 x 3 x 38 in way every</i> ✓	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, <i>E or F</i>		
Side Keelsons, No. each side			" " Spacing		
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, <i>E or F</i>		
" " Angles			" " Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, <i>E or F</i>		
Solid Floors, thickness and spacing	<i>41 @ 10' 0" : 42 @ 27"</i> ✓		" " Spacing		
" " Are Frame and Reversed Frame joggled?	<i>Yes</i> ✓		Bridge Deck, Angle, <i>E or F</i>		
Bracket Floors, breadth and thickness at middle line	<i>32 1/2 x 41</i> ✓		" " Spacing	<i>8. 3. 35</i> ✓	
" " breadth and thickness at margin plate	<i>32 1/2 x 41</i> ✓		Forecastle Deck, Angle, <i>E or F</i>	<i>7. 3. 32</i> ✓	
			" " Spacing	<i>alt. frames</i> ✓	

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	Stringer Plate, breadth and thickness in way of Bridge.....	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
	Breadth.	Thickness.			Breadth.	Thickness.	
Centre Line Bulkhead.....	15.4.	4. 4. 1/10	to ✓	40	✓		
in 'tween Decks, Size and Spacing.....	12.3 1/2.	3 1/2. 50/60	as appd ✓	40-30	✓		
" " " " " "				26			
in Holds " "]	15.4.	4. 4. 1/10	to ✓	24-30.	✓		
" " " " " "	12.3 1/2.	3 1/2. 50/60	as appd ✓	If Sheathed, material and thickness.....	No. (in way of access only: Comparison)		
Centre Line Bulkhead. [12.3 1/2.	3 1/2. 44/60	✓	Third Deck.			
Stiffeners and Spacing.....	6.8.	3. 46	✓	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.....	75.x.	64 to 39.x.42	✓	If Plated, state thickness.....			
" " " " in way of Bridge.....	64.		appd 58 ✓	Poop Deck.			
" Angle in Wells.....	6x6x58	to 3 1/2. 3 1/2. 42	✓	Stringer Plate, breadth and thickness.....			
Thickness of Plating abreast Deck openings in way of Wells.....	60-36		✓	Plating, Sheathing, material and thickness.....			
Thickness of Plating abreast Deck openings in way of Bridge.....	✓		✓	Bridge Deck.			
Thickness of Plating within line of openings.....	28-36		✓	Stringer Plate, breadth and thickness.....			
If Sheathed, material and thickness.....	No. (in way of access only)			Plating, Sheathing, material and thickness.....			
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells.....	83x.	42 to 36.x.34	✓	Stringer Plate, breadth and thickness.....	36	✓	
				Plating, Sheathing, material and thickness.....	50 to 34	unsheathed	

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				
	AMIDSHIPS.		FORWARD.	AFT.					
	Breadth.	Thickness.	Thickness.	Thickness.					
FLAT PLATE KEEL.....	52	78	70	70	✓	2 Rows	7/8	3 1/2	4 R to 3 R
" DELG. (if any)									
BOTTOM PLATING, No. of Strakes.....		59	50	50	✓	2 R	7/8	3 1/2	3 R
BILGE PLATING, No. of Strakes.....		59	50	50	✓	2 R	7/8	3 1/2	3 R
SIDE PLATING, No. of Strakes.....		59	46	46	✓	2 R	7/8-3/4	3 1/2-3	3 R
UPPER DECK, Sheer-strake in Wells.....	51	68	46	46	✓	2 R	7/8-3/4	3 1/2-3	3 R + E.W. for 1/2 as approved
UPPER DECK, Sheer-strake in Bridge.....									
STRAKE BELOW Sheer-strake in Wells.....	51	64	46	46	✓	2 R	7/8-3/4	3 1/2-3	do.
STRAKE BELOW Sheer-strake in Bridge.....									
POOP SIDE PLATING.....									
BRIDGE SIDE PLATING.....									
FORECASTLE SIDE PLATING			42		✓	1 R.	3/4	3	1 R

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)		1	✓		
" Deck next below		6	✓		
As per Rule		✓			
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks					
"	" Second 133.	26-40	12.3½.3½. 48/60	30	-
"	" Third 90-95	26-45	12.3½.3½. 42/50	21-30	-
"	" Holds 161	27-55	6.3.34 L 10.3½.52 L	24	2 plates strong beam as appd
COLLISION (in Hold)					
AFTER PEAK 8-11		30-46	9.3.38 L 6.3.34 L	24	5. Box beam flat as appd

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar.....	Flat plate keel			
STEM.....	10x12	✓	Conest.	
STERN FRAME	Propeller Post	Hollow type	Bochama Verain	
	Rudder	Sole piece	9x17	Cast steel
RUDDER—AxD.....	Main piece	forged steel	upst	Strommen Versted
Speed of Vessel.....	10 1/2 k			arms Cast steel
RUDDER mainpiece at head	12"	✓		
" " heel	8"	✓		
" how constructed	Balanced reaction type			
" double or single plate	double			
" coupling, vertical or horizontal	Horizontal			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	Conest. Appellay. Frodingham. Dorman Long. South Durham
	Has the Steel been tested as required by the Rules? Yes.

EQUIPMENT No 38626. LETTER *24* ANCHORS.

Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
35230.	1st Bower	Cwts. qrs. lbs. 68 1 -	Cwts. qrs. lbs. - - -	Tons. cwt. qrs. lbs. 52 15 2 14	Cwts. 68 0 0	Ryans Improved	-	S. 27/4/35. JHB.
35210	2nd "	68 - -	- - -	52 12 2 0	68 0 0	"	-	S. 8/4/35. JHB.
35211.	3rd "	58 3 -	- - -	47 12 2 0	58 2 0	"	-	S. 8/4/35. JHB.
	Collective weight.	195 - -	- - -	153 0 2 14	150 0 0			
94262	Stream	19 1 4	- - -	20 4 0 7	19 0 0	Rodgers Ordinary	S. Taylor & S.	N. 20/4/34. JHB.

CHAIN CABLES. *1* HAWSERS 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.	Stat. Break. ing.	Supplied. Per Rule.	Length. Diam.					Length. Cir.	Tons.	Length. Cir.
	Fathoms. Ins.	Tons. Tons.	Cwts. qrs. lbs. Cwts.	Fathoms. Ins.					Fathoms. Ins.		Fathoms. Ins.
87499.	270 2	100 4/8 14 7/8	592.1.0.	270 2 5/8	Ordinary	S. Taylor	N. 30/4/35. JHB.	TOWLINE...	120 4 3/4	64.6	120 4 3/4
					2 5/8 Tayco Supplied			HAWSERS & WARPS	2@ 90 2 3/4	15.2	2@ 90 2 3/4
								"	2@ 90 2 1/2	13.2	2@ 90 2 1/2
Stream	90 5	52.8	Wire	90 5	Steel Wire	Hard Haggie					

Steering Gear, Steam	<i>Douker & Co. 9" dia x 8 1/2" stroke</i>	Steering Gear, Hand	<i>None: Reliance tackle & rope winch</i>
Boats	<i>2 @ 29-5 x 5.875 x 3.72</i>	Steering Chains, Size and Test	<i>None</i>
	<i>2 @ 16-0 x 5.75 x 2.3.</i>	Windlass	<i>Emerson Walker 10 x 12 1/2</i>
Ceiling in Holds, thickness and material	<i>3" W.W. under hatchways</i>	Cargo Battens, thickness, material and spacing	<i>6 x 2 1/2 W.W @ 15"</i>
	<i>2 1/2 - over bulges</i>		
Cargo Hatchways.-(Upper Deck)	<i>Seven - 5' x 25' opening (both ways)</i>	Thickness of Hatches	<i>2 1/2 W.W.</i>
Size of No. 1 Hatchway (Forward)	<i>35-9 x 25-9</i>	No. 2	<i>31-6 x 25-9</i>
	<i>No. 3 21-5 x 25-9</i>	No. 4	<i>8-10 x 17-0</i>
	<i>No. 5 35-0 x 25-9</i>	No. 6	<i>34-9 x 25-9</i>
Number of Shifting Beams and/or Fore and Afters	<i>No 1-7: No 2-5: No 3-3: No 4-1: No 5-5: No 6-6: No 7-1.</i>		
		For	<i>R. & W. HAWTHORN, LESLIE & CO LIMITED.</i>
		Builder's Signature	<i>John R. Batty</i>

GENERAL DECLARATION. It should be stated (a) whether the vessel 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.

This vessel has been built in accordance with the approved plans, the Committee's instructions & the Society's Rules. The workmanship & material are good. All peaks, double bottom tanks have been tested as per rules & found satisfactory. The Convention freeboard has been marked on the vessel's sides & cut in. The weather deck, tunnel, watertight bulkheads have been tested & found satisfactory.

The amount of Entry Fee	£ 9 : - : -	Fees applied for,	
<i>Freeboard</i>	16 - -	<i>30 JUL 1935</i>	
Special Survey Fee....	£ 328 : 11 : 6	Received by me,	
Travelling Expenses, if any £	: : :	<i>3.8 35 RD</i>	
		<i>6/8</i>	
State whether the Vessel has been built under Special Survey	<i>Yes</i>	Signature	<i>P. Webster</i>
Certificate to be sent to	<i>Newcastle-on-Tyne</i>	Surveyor to Lloyd's Register of Shipping.	
Date of issue	<i>13/8/35</i>		

Committee's Minute	<i>TUE. 13 AUG 1935</i>
Character assigned	<i>+100 A1</i>
	<i>With freeboard</i>
	<i>Lloyd's arch + d.m.c. 7.35</i>
	<i>My CL</i>
	<i>W240-0009(2/2)</i>

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 plans 19 in number together with forging reports are forwarded herewith.

PILLARS, No. of

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STRAKES

FLAT PLATE KEEL

" DELG.

BOTTOM PLATING
of Strakes ...

BILGE PLATING
Strakes

SIDE PLATING
Strakes

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UPPER DECK,
strake in B

STRAKE BELOW
strake in W

STRAKE BELOW
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POOP SIDE PL

BRIDGE SIDE

FORECASTLE SI

Total No. o

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

1st Bower	36.3.26:	JD.	: 384:	3.4.35.
2nd "	37.3.21:	JD.	: 360:	4.3.35.
3rd "	34.1.23:	A.P.	: 150:	30.7.34.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *Shelter Deck* ft., Bridge ft., Forecastle *31-9* 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) *1 deck steel & shelter deck*

Official No. *161585*. : Signal Letters
particulars of composition *bullet of cement on beams & keels & green paint on floors of E & B tanks & peaks. mineral oil (at owners special request) on floors of 1, 2, 3, 5 & 6 C.D.B. tanks*
bottom of Vessel coated with cement in B.C. tank, if not give

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	137-6	448.	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,	20-9	97.
Double bottom, if under Engines only, <i>Feed Water</i>	22-6"	112.	Deep tank, aft,	20-0	188.
Double bottom, if under Boilers only, <i>Dry tank</i>	20-0"	Dry.	Deep tank, forward,		
Double bottom, forward,	175-9"	724	Other tanks, if fitted,		
	Total capacity of double bottom	1284	(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. *5484*

Date *27.2.35*

Dates of Surveys
held while building

*1934 Dec. 28. 1935 Jan. 3. 4. 7. 9. 11. 14. 15. 16. 17. 18. 21. 22. 23. 24. 25. 28. 29. 30. 31. Feb. 4. 5. 6. 7. 8.
11. 13. 15. 16. 20. 21. 25. 26. 28. Mar. 1. 4. 6. 7. 11. 14. 19. 20. 25. 27. 28. 29. Apr. 13. 15. 25. 29. 30.
May 1. 2. 3. 7. 8. 13. 15. 16. 17. 20. 21. 22. 23. 24. 27. 28. 29. 30. 31. June 3. 4. 5. 6. 7. 11. 12. 14. 15. 17. 18.
July 10. 15. 16. 17. 18. 19. 22. 24. 26.*

Total No. of Visits *93.*