

## STEEL STEAMER OR MOTORSHIP.

17 FEB 1943

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 *from h.w.*Date of completion of report *16<sup>th</sup> February 1943* Port of *Sunderland* No. *33618*Survey held at *Sunderland* Date First Survey *9<sup>th</sup> June 1942* Last Survey *11<sup>th</sup> February 1943*On the (State if Machinery fitted Aft or if Single, Twin or Triple Screw) *SS WEARFIELD Single Screw, Machinery Aft*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling* State Type of Erections *Poop, Lcb*TONNAGE under Tonnage Deck ... *8894.78* CLASS *+100A.1* State if with freeboard as condition of Class *No* Built at *Sunderland*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) *476-4 $\frac{1}{2}$*  Launched *23.11.42* Yard No. *746*Total *✓* Breadth (greatest moulded) *B 68-0* Builders *Sir James Laing & Sons Ltd.*Gross Tonnage *9795.26* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 36-0* Owners *Hunting & Sons Ltd.*Net Tonnage *5782.86* 1st Longitudinal Number (L x D) *✓* Managers *✓* (Where necessary to be entered in Reg. Book)REGISTERED DIMENSIONS. FEET Residence *✓*Length *484.00* Framing Depth "d," at middle of length. See Sec. 3 (1d) *✓* Port of Registry *NEWCASTLE*Breadth *68.30* Proportions—Depth to Length—Uppermost continuous deck to top of keel *✓* If surveyed while building, afloat, or in dry dockDepth *36.15* Do. Long Bridge to top of keel *✓* *28-0 $\frac{1}{2}$*  *YES.*

## 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>✓</i>		Bracket Floors, Frame .....	<i>✓</i>	
"    "    from $\frac{1}{2}$ length amidships to Collision bulkhead.....	<i>✓</i>		"    "    Reversed Frame.....	<i>✓</i>	
"    "    in peaks.....	<i>24 &amp; 21</i>	<i>✓</i>	"    "    Vertical Struts .....	<i>✓</i>	
SIDE FRAMING. <i>Longitudinal</i> <i>✓</i>			Centre Girder, depth and thickness amidships	<i>79 x 46 x 50</i>	<i>✓</i>
Frame Amidships, Angle, <i>[</i> or <i>]</i> .....	<i>✓</i>		"    "    top Angles .....	<i>3<math>\frac{1}{2}</math> x 3<math>\frac{1}{2}</math> x 7/16</i>	<i>✓</i>
"    "    Extends up to.....	<i>✓</i>		"    "    bottom Angle.....	<i>6 x 6 x 1/2</i>	<i>✓</i>
Reversed Frame Amidships, Angle .....	<i>✓</i>		Side Girders, No. each side and thickness.....	<i>2 @ 44</i>	<i>✓</i>
"    "    Extends up to .....	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness .....	<i>✓</i>	
Depth of Framing Girder.....	<i>✓</i>		"    "    Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem .....	<i>✓</i>	
Frames in Uppermost Continuous 'tween Decks, Angle, <i>[</i> or <i>]</i> .....	<i>✓</i>		"    "    Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area .....	<i>✓</i>	
"    "    Second 'tween Decks, Angle, <i>[</i> or <i>]</i> .....	<i>✓</i>		"    "    Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	<i>✓</i>	
"    "    Third .....	<i>✓</i>		"    "    Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area .....	<i>✓</i>	
"    "    from $\frac{1}{2}$ len. for'd. to 15% len. from Stem .....	<i>9 x 3<math>\frac{1}{2}</math> x 3/8</i>	<i>✓</i>	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>✓</i>	
"    "    in Peaks, Angle or <i>[</i> or <i>]</i> .....	<i>7 x 3<math>\frac{1}{2}</math> x 3/8</i>	<i>app'd 7 x 3</i>	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	<i>✓</i>		Breadth and thickness of Middle Line Strake...	<i>47 &amp; 54</i>	<i>✓</i>
State if Frame Joggled.....	<i>✓</i>		Thickness of remainder in Holds .....	<i>47 &amp; 54</i>	<i>✓</i>
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....	<i>YES</i>	<i>✓</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>✓</i>	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	<i>YES</i>	<i>✓</i>	BEAMS. <i>Longitudinal</i>		
SINGLE BOTTOM. in Centre Tanks.			Uppermost Continuous Deck, amidships in Wells, Angle, <i>[</i> or <i>]</i> .....	<i>✓</i>	
Floors, Depth and thickness at mid-line in Holds.....	<i>✓</i>		"    "    in way of Bridge, Angle, <i>[</i> or <i>]</i> .....	<i>✓</i>	
Height of Brackets at side above base line at toe of frame.....	<i>✓</i>		"    "    Spacing .....	<i>✓</i>	
Middle Line Keelson, on Floors, Angles, <i>E or F</i> .....	<i>6 x 3<math>\frac{1}{2}</math> x 40</i>	<i>✓</i>	Second Deck, amidships, Angle, <i>[</i> or <i>]</i> .....	<i>✓</i>	
"    "    Through Plate or Inter-costal Plate .....	<i>42</i>	<i>✓</i>	"    "    Spacing .....	<i>✓</i>	
"    "    Foundation Plate on Floors .....	<i>✓</i>		Third Deck, amidships, Angle, <i>[</i> or <i>]</i> .....	<i>✓</i>	
"    "    Flat Plate Keel Angle.....	<i>6 x 6 x 60</i>	<i>✓</i>	"    "    Spacing.....	<i>✓</i>	
Side Keelsons, No. each side.....	<i>✓</i>		Fourth Deck, amidships, Angle, <i>[</i> or <i>]</i> .....	<i>✓</i>	
"    "    thickness of Intercoastal Plate.....	<i>✓</i>		"    "    Spacing.....	<i>✓</i>	
"    "    Angles .....	<i>✓</i>		Poop Deck, Angle, <i>E or F</i> .....	<i>7 x 3 x 3/8</i>	<i>app'd</i>
DOUBLE BOTTOM. <i>Aft</i>			"    "    Spacing.....	<i>every</i>	
Solid Floors, thickness and spacing .....	<i>40 &amp; 44 every</i>	<i>✓</i>	Bridge Deck, Angle, <i>[</i> or <i>]</i> .....	<i>✓</i>	
"    "    Are Frame and Reversed Frame joggled? .....	<i>YES</i>	<i>✓</i>	"    "    Spacing.....	<i>✓</i>	
Bracket Floors, breadth and thickness at middle line .....	<i>✓</i>		Forecastle Deck, Angle, <i>E or F</i> .....	<i>8 x 3<math>\frac{1}{2}</math> x 40</i>	<i>✓</i>
"    "    breadth and thickness at margin plate.....	<i>✓</i>		"    "    Spacing.....	<i>every</i>	



# 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 .....	✓
„ „ „ „ „ .....	✓		Thickness of Plating abreast Deck openings in way of Bridge.....	✓
„ in Holds „ „ „ .....	✓		Thickness of Plating within line of openings...	✓
2 Long. 1" „ „ „ .....	✓		If Sheathed, material and thickness.....	✓
Centre-Line Bulkhead. 5. Stiffeners and Spacing .....	9x3 1/2 x 40 6x3x34	✓	Third Deck. Stringer Plate, breadth and thickness.....	✓
Plating, thickness of .....	50-36	✓	If Plated, state thickness .....	✓
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells .....	87x82	✓	Fourth Deck. Stringer Plate, breadth and thickness.....	✓
„ „ „ „ in way of Bridge .....	✓		If Plated, state thickness.....	✓
„ Angle in Wells .....	8x8x82 44x7x82	✓	Poop Deck. Stringer Plate, breadth and thickness.....	39x38
Thickness of Plating abreast Deck openings in way of Wells .....	76x66	✓	Plating, Sheathing, material and thickness ...	29x24
Thickness of Plating abreast Deck openings in way of Bridge.....	✓		Bridge Deck. Stringer Plate, breadth and thickness.....	✓
Thickness of Plating within line of openings...	✓		Plating, Sheathing, material and thickness ...	✓
If Sheathed, material and thickness.....	✓		Forecastle Deck. Stringer Plate, breadth and thickness.....	36x41
Second Deck. Stringer Plate, breadth and thickness in Wells .....	✓		Plating, Sheathing, material and thickness...	27

# SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.		BUTTS.		
	AMIDSHIPS.		FORWARD.	AFT.	State if jogged? No.	RIVETS.	No. of Rows of Rivets.	RIVETS.	
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.
Flat Plate Keel.....	54	1.00	1.00	.86	D	1 1/8 4	3	1 1/8 4 1/2	DOUBLE STRAPS.
„ Dblg. (if any) .....	✓								
Bottom Plating, No. of Strakes A.B.C.D. ....		.76	.87	.52	D	1 3 1/2	5	1 4 1/2	L
Bilge Plating, No. of Strakes E.....		.76	✓	✓	D	1 3 1/2	5	1 4 1/2	L
Side Plating, No. of Strakes F.G.H. ....		.64	.48	.48	D	7/8 3 1/8	3	7/8 3 1/8	L
Upper Deck, Sheer-strake in Wells.....	73 1/2	1.00	.46	.46	D	1 3 1/2	Butts welded.		
Upper Deck, Sheer-strake in Bridge ...	✓								
Strake below Sheer-strake in Wells.....		.77	.46	.46	D	1 7/8 3 1/2	4	1 4	L
Strake below Sheer-strake in Bridge ...	✓								
Poop Side Plating.....	✓		✓	.42	S	7/8 3 1/2	2	3/4 2 5/8	L
Bridge Side Plating.....	✓								
Forecastle Side Plating .....	✓		.46	✓	S	7/8 3 1/2	2	3/4 2 5/8	L

# WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 13

„ Deck next below ✓

As per Rule ✓

# FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....				
STEM .....				rolled 12x3 1/8
STERN FRAME	Propeller Post .....			Fabricated as per plan
	Rudder „ .....			per plan
Speed of Vessel .....				11 1/2 knots see plan
RUDDER—Type .....				Fabricated as per plan
„ A x D.....				per plan
„ Diam. of head .....				11
„ Mainpiece at top pintle .....				✓
„ „ heel .....				✓
„ how constructed .....				✓
„ double or single plate coupling, vertical or horizontal .....				Vertical

# STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
		Inches.	Inches.	Inches.	Inches.
MIDSHIP BULKH'D, CENTRE TANKS Upper 'tween decks	56x44	12x3 1/2	45	36	2 GIRDERS 42x40
„ „ Wing TANKS Second	56x38	do.	do.	do.	2 GIRDERS 36x40
„ „ Third	✓				FRAMES 60x10
„ „ Holds	✓				
COLLISION „ (in Hold) .....	56x38	9x3 1/2	3 1/8	36	4 GIRDERS 24x46
AFTER PEAK „ „ .....	48x34	do	do	36	3 GIRDERS

# STEEL.

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

Dorman Long, South Durham, Shinningrove, Cargo Fleet, Consett.

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 Vessel SS. Empire Collins Sld Rpt. N° 33571

PARTICULARS OF ELECTRIC WELDING (if employed) Bulbs of sheerstrake welded for 3/5 L & Longitudinal bulkheads welded to shell and to upper deck, transverse bulkheads in centre tanks welded to bottom shell, tank top aft welded to shell, hatch coamings welded to deck.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Bulbs of sheerstrake electrically welded  
D.F.

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

including pins  
1st Bower 55 0 7 SPR H850 22.5.42.  
2nd " 55 1 14 SPR H895 29.5.42.  
3rd " 109.3' see Sld Rpt. plans

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 113.3 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 38.25 ft.

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

Official No. 165853. Signal Letters 1 Steel Deck Extreme Breadth over Belting (Circ. 1611) 503.92" Over-all Length (Circ. 1703)

Parts of Bottom of Vessel coated with cement or approved composition

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.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,			Fore peak tank,	<u>28</u>	<u>322</u> ✓
Double bottom, under Engines and Boilers,			After peak tank,	<u>17.5</u>	<u>205</u> ✓
Double bottom, if under Engines only, <u>55.25' see plan</u>	<u>22.44</u>	<u>87</u>	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	<u>31.08</u>	<u>613</u> ✓
Double bottom, forward,			Other tanks, if fitted, <u>ford Cofferdam</u>	<u>3.00</u>	<u>164</u>
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch of the d. <u>after d.</u>	<u>3.00</u>	<u>180</u>

Order for Special Survey No. 6021

Date 23.3.42

Dates of Surveys held while building

19.4.2. June 9. 12. 12. 15. 17. 18. 19. 22. 24. 25. 30. July 1. 2. 6. 7. 8. 15. Aug. 4. 5. 10. 11. 14. 18. 27. 28. 31. Sep. 1. 2. 3. 22. 28. 30. Oct. 1. 5. 6. 7. 8. 9. 12. 13. 14. 15. 16. 17. 19. 20. 21. 22. 23. 24. 26. 27. 29. 30. Nov. 2. 3. 4. 5. 6. 9. 10. 11. 12. 13. 14. 16. 18. 19. 23. 30. Dec. 2. 9. 11. 14. 16. 19. 22. 29. 1943. Jan. 9. 23. Feb. 6. 11.

Total No. of Visits 82

NOTE.—The words which



S.S. WEARFIELD. SUNDERLAND. N<sup>o</sup> 33618  
**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 <del>X</del> , L or <del>X</del> .....			✓										
Frames in Bridge 'tween Decks ...			✓										
Frames from Uppermost Continuous Deck No. 1		7	3½	40	✓				1	6	throughout		
" 2		do.							7/8	5¼	do.		
" 3		do.							7/8	5¼	do.		
" 4		7	3½	43	✓				7/8	5¼	do.		
" 5		8	3½	36	✓				7/8	5¼	do.		
" 6		do.							7/8	5¼	8 RIVS @ 4"		
" 7		8	3½	44	✓				7/8	5¼	do.		
" 8		9	3½	37	✓				7/8	5¼	do.		
" 9		do.							7/8	5¼	do.		
" 10		9	3½	41	✓				7/8	5¼	8 RIVS @ 3½"		
" 11		10	3½	40	✓				7/8	5¼	do.		
" 12		11	3½	43	✓				7/8	5¼	do.		
" 13		12	3½	3½	42	✓	50		7/8	5¼	do.		
" 14		✓											
" 15		✓											
" 16		✓											
Spacing of Longitudinal Frames	Amidships .....	30"	as app <sup>d</sup>										
	At Ends .....	✓											
Double Bottoms <del>L</del> or <del>C</del>	Tank Top Longitudinals	✓							7/8	5¼	9 RIVS @ 3½"	8-11" spacing	
	Bottom ..	15	4	4	✓	41	62		7	do.	7-2" do.		
Spacing of Longitudinals	Amidships	36										Rivs. spaced 4" fwd Bld 75.	
	At Ends...	✓											
<b>BOTTOM Transverses.</b>													
<b>CENTRE Side TANKS</b> (in 'tween Decks)	Depth and Thickness	48	46										
	Face Angles .....	10	3½	52	✓	8	11						
	Lugs to Shell* .....	6	6	46	✓	INTER							
<b>WING Side TANKS</b> (in Hold)	Depth and Thickness	36	44										
	Face Angles .....	6	3½	40	✓	0A.							
	Lugs to Shell* .....	6	6	44	✓	INTER							
<b>SIDE TRANSVERSES</b> Bottom	Depth and Thickness	36	44										
	Face Angles .....	6	3½	48	✓	0A.							
	Lugs to Shell* .....	6	6	44	✓	INTER							
	" " Back Bars ...	✓											
	Brackets .....	✓											
Spacing of Transverse Frames .....		✓											
	* State if joggled or liners.												
Longitudinal Beams of <del>X</del> , L or <del>E</del>	Bridge Deck ...	✓											
	Upper "	8	3½	35	✓								
	Second "	✓											
	Third "	✓											

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.