

## STEEL STEAMER or MOTORSHIP.

Received at London Office. 11 SEP 1934

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 September 7<sup>th</sup> 1934. Port of Sunderland No. 31482  
Survey held at Sunderland Date First Survey 8<sup>th</sup> March 1934 Last Survey 3<sup>rd</sup> September 1934.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) S.S. "WYCHWOOD". Machinery alt

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling State Type of Erections R.Q.D. 40.

TONNAGE under Tonnage Deck 2123.92. CLASS +100A1 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) L 305.83. Launched July 26<sup>th</sup> 1934 Yard No. 353.

Total Breadth (greatest moulded) B 44.25. Builders Messrs S.P. Austin &amp; Sons

Gross Tonnage 2794.27. Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 21.50. Owners W. &amp; A. Francis &amp; Co. Ltd.

Register Tonnage 1558.40. 1st Longitudinal Number (L x D) = 6,575. Managers (Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS. FEET. Framing Depth "d" at middle of length. See Sec. 3 (1d) 18.50. Residence

Length 306.00. Proportions—Depth to Length—Uppermost continuous deck to top of keel 23.25. Port of Registry London

Breadth 44.50. Do. Length to top of keel 14.22. If surveyed while building, afloat, or in dry dock

Depth 19.35. Draught Moulded 11.65. While building.

## 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	24	✓	Bracket Floors, Frame	✓	
" " from $\frac{3}{8}$ length to Collision bulkhead	24	✓	" " Reversed Frame	✓	
" " in peaks	24	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	36 x 46.	✓
Frame Amidships, Angle, $\angle$ or $\square$ N.B.S.	10 3 $\frac{1}{2}$ 42	✓	" " top Angles double	3 3 42	✓
" " Extends up to	R.Q.D.	✓	" " bottom Angles	3 $\frac{1}{2}$ 3 $\frac{1}{2}$ 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	32 x 40.	✓
Depth of Framing Girder	10	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	3 3 34	✓
Frames in Uppermost Continuous 'tween Decks, Angle, $\angle$ or $\square$	✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	3 3 34	✓
" " Second 'tween Decks, Angle, $\angle$ or $\square$	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	double 130-138	✓
" " Third " " "	✓		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	12 x 6 x 6 x 38 back leg every 3 <sup>rd</sup>	✓
Framing in Peaks, Angle or $\square$ N.B.S.	6 3 37	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	51" (See m.s. as built)	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5"	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	No.		Breadth and thickness of Middle Line Strake	67 x 56.	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	3 <sup>rd</sup> Peak 25 Struts 30 x 34 2 <sup>nd</sup> Hold 10 x 36 Frames 11 x 33 x 50 N.B.S. Side shell med. 0.6. 35 holes shell each side increased 0.5 above amidships Frame bottoms doubled 14 side girders each side 36" apart	✓	Thickness of remainder in Holds	56	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			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, $\angle$ or $\square$ N.B.S.	8 3 $\frac{1}{2}$ 46	✓
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, $\angle$ or $\square$	✓	
Middle Line Keelson, on Floors, Angles, $\angle$ or $\square$	✓		Spacing	Every.	
" " Through Plate or Intercoastal Plate	✓		R.Q. Second Deck, amidships, Angle, $\angle$ or $\square$ N.B.S.	8 3 $\frac{1}{2}$ 45	✓
" " Foundation Plate on Floors	✓		Spacing	Every	
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, $\angle$ or $\square$	✓	
Side Keelsons, No. each side	✓		Spacing	✓	
" " thickness of Intercoastal Plate	✓		Fourth Deck, amidships, Angle, $\angle$ or $\square$	✓	
" " Angles	✓		Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, $\angle$ or $\square$	✓	
Solid Floors, thickness and spacing	34. Every	✓	Spacing	✓	
" " Are Frame and Reversed Frame joggled?	No	✓	Bridge Deck, Angle, $\angle$ or $\square$	✓	
Bracket Floors, breadth and thickness at middle line	✓		Spacing	✓	
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, $\angle$ or $\square$ N.B.S.	6 3 38	✓
			Spacing	Every.	



# 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>	One		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
"    in 'tween Decks, Size and Spacing.....	2 3/4 - 4 2 5/8		Thickness of Plating abreast Deck openings in way of Wells <i>Showing Hatch side.</i>	.53	✓
"    "    "    "    "    "    "			Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
"    in Holds    "    "    "	Change plate 35 fitted every 4" frame	✓	Thickness of Plating within line of openings...	.40	✓ 36
"    "    "    "    "    "			If Sheathed, material and thickness .....	No	✓
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of .....	✓		If Plated, state thickness.....	✓	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	63x1.00	✓ 62	If Plated, state thickness .....	✓	
"    "    "    "    in way of Bridge	✓		<b>Poop Deck.</b>		
"    Angle in Wells .....	6 6 .78	✓	Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings in way of Wells <i>Showing Hatch side.</i>	.76	✓	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge .....	✓		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	.34	✓	Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness .....	No	✓	Plating, Sheathing, material and thickness ...	✓	
<b>R.O. Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	60x.68	✓	Stringer Plate, breadth and thickness.....	.32	✓
			Plating, Sheathing, material and thickness ...	.30 5x3 P.P. Sheathing	✓

# SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			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 .....	45	.60	.58	.56	✓	Double	7/8	3 3/8	3	7/8	3 1/8	Snapped	
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes .....	3	.49	.41	.41	✓	Double	3/4	3	3	3/4	2 5/8	Snapped	
BILGE PLATING, No. of Strakes .....	1	.49	.41	.41	✓	„	3/4	3	3	3/4	2 5/8	„	
SIDE PLATING, No. of Strakes .....	3	.49	.41	.41	✓	„	3/4	3	3	3/4	2 5/8	„	
UPPER DECK, Sheer-strake in Wells .....	48"	.77	.42	.42		„	1"	4"	Extra 3	3/4	2 5/8	Snapped	
<del>UPPER</del> DECK, Sheer-strake in Bridge ...	62"	.54	-	.42		„	7/8	3 1/2	3	7/8	3 1/8	Snapped	
STRAKE BELOW Sheer-strake in Wells .....	56	.60	.42	-		„	7/8	3 1/2	3	7/8	3 1/8	do	
STRAKE BELOW Sheer-strake in Bridge ...	48	.52	-	.42	✓	„	7/8	3 1/2	3	7/8	3 1/8	do.	
POOP SIDE PLATING .....	✓												
BRIDGE SIDE PLATING ...	✓												
FORECASTLE SIDE PLATING			.36			Single	3/4	3	Single	3/4	2 5/8	Snapped	

# WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—						
Extending to Upper Deck (Sec. 3 c) 6 incl. 2 DT. Hold 13						
,, Deck next below .....						
As per Rule 5.						
		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks		✓				
,, ,, Second ,,		✓				
,, ,, Third ,,		✓				
,, ,, Holds .....		✓	38-32 12x32x5 1/2 24"		7x32x4A	✓
COLLISION ,, (in Hold) .....		✓	40-30 6x32x3 1/2 24"		7x32x4A	✓
AFTER PEAK ,, ,, .....		✓	40-30 7x32x3 1/2 24"		7x32x4A	✓

# FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar .....</b>	✓			
<b>STEM .....</b>	Reed Bar	8x2 1/2		✓
<b>STERN FRAME</b> { Propeller Post .....	Forging	9x5 1/2	7.5	✓
{ Rudder .....	1 1/2 x 6	7.5	7.5	✓
<b>RUDDER—A x D .....</b>	27x4			✓
<b>Speed of Vessel .....</b>	Under 10 knots			
<b>RUDDER</b> mainpiece at head ...	Forging	8 1/4	7.5	✓
"    "    heel ...	6 x 4			✓
"    how constructed .....	Arms at bulkhead			
"    double or single plate	.40			
"    coupling, vertical or horizontal .....	Vertical			

STEEL.

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

Consett, Dorman Long, South Durham, Cargo Fleet, Skinningrove

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



EQUIPMENT No 21375										LETTER <i>7</i> <i>leave out</i> 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.	Cwts.			
93533	1st Bower ...	42	3	0	Stockless			37	13	3	0	42	Byers Stockless	S. Taylor & Sons	Ketchikan 16.4.34 H. Green
93531	2nd " ...	42	2	14	"			37	11	3	14	42	"	"	" " " " " "
93532	3rd " ...	35	2	7	"			32	16	3	14	35 1/2	"	"	" " " " " "
	Collective weight.	120	3	21								119 1/2			
93684	Stream .....	11	0	0	3	0	17	12	17	2	0	11	Rodgers Common anchor Steel Steel S. Taylor & Sons		Ketchikan 23.6.34. H. Green

CHAIN CABLES.											HAWSEERS 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-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Length.		Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
					TAYCO		IRON CABLE						TOWLINE...	100	4"	33.2	100	4	
98649	240	1 5/8	66 1/2	93 1/2	335	3	0	425 1/4	240	1 1/8	Stud Tayco	S. Taylor & Sons	Ketchikan 30.6.34	HAWSEERS & WARPS }	2@90	2 1/2	13.2	2@90	2 1/2
															2@90	2 1/4	10.8	2@90	2 1/4
															90	4	33.2	6000 extra	
															3@90	2 1/4	15.2	" "	
Iron-Stream Chain- Steel Wire }	75	4 1/4	36.4	✓					75	4 1/4	St. wire								

Steering Gear, Steam *Messrs Donkers* Steering Gear, Hand *Aust. blocks and tackle*

Boats *Two 22 ft Suf boats 6 or 16' dinghy* Steering Chains, Size and Test *Telemotor gear* Windlass *Emerson Walker*

Ceiling in Holds, thickness and material *2 1/2" No. 2 over timbers only* Cargo Battens, thickness, material and spacing *None.*

Cargo Hatchways, (Upper Deck) *Steel Plate Section, Reith Patent* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *37'9" x 28'5"* No. 2 *43'9" x 28'5"* No. 3 *33'9" x 28'5"* No. 4 *35'9" x 28'5"* No. 5  No. 6

Number of Shifting Beams *and for Fore and Afters* *No. 1-6. No. 2-7. No. 3-5. No. 4-5.*

FOR S. P. AUSTIN & SON, LIMITED.

Builder's Signature *J. W. Sugden*  
MANAGING DIRECTOR.

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 constructed in accordance with the approved plans, the Secretary's letter and the Society's Rules.*

*The materials and workmanship are good.*

*The freeboard marks have been verified and cut in on the vessel's sides.*

*The double bottom tanks, peak tanks and deep tanks have been tested and found in order.*

*The decks, bulkheads and hand pump have been tested and found in order.*

*The windlass and steering gear have been tried under working conditions.*

*The following approved plans are enclosed:- Midship section, Profile of Decks, Riveting, Sternframe, Rudder, Amendment to Deep Tank Bulkheads, Amended Fore Peak, Tanks Hold Sections, Winch Deck, Engine Room framing, Quadrant, Tiller, Amended rudder plan.*

*Certificates are enclosed for:- Sternframe, Rudder, Quadrant, Tiller*

*Plans of Midship Section & Profile of Decks as brief are enclosed.*

The amount of Entry Fee ..... £ *6* : : : Fees applied for, *7 SEP 1934*

Special Survey Fee.... £ *214* : *14* : : Received by me, *11.9.34*

*Freeboard* *13* : *0* : *0* I am of opinion the Vessel should be Classed *+100A1*

Travelling Expenses, if any £ : : : *Yes* *66612*

State whether the Vessel has been built under Special Survey *Yes* Signature *Colin Bartlett*

Certificate to be sent to *SUNDERLAND* Date of issue *15/9/34* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 14 SEP 1934*

Character assigned *+100A1*

*Cargo battens not fitted* *+ L.M.C. 9.34 C.L.*

*Lloyd's A & C* *My*



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.)

Particulars of <b>Drop Test</b> of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	30 - 0 - 18	M.A.B.	4598	18. 2. 30.
	2nd "	30. 0 - 14	M.A.B.	4239	13. 3. 29.
	3rd "	26 - 0 - 6	T.Mc.I.	3760	28. 2. 34.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 176.7 ft., Bridge ✓ ft., Forecastle 34.3 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 D<sup>th</sup> STL.

Official No. 163515 : Signal Letters Is bottom of Vessel coated with cement yes. (if not give particulars of composition Bitumastic enamel coating in Engine & Boiler Room tanks.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,	27	214
Double bottom, under Engines and Boilers,	42	62	After peak tank,	12	106
Double bottom, if under Engines only,	✓		Deep tank, aft, <u>amidships</u>	8	264
Double bottom, if under Boilers only,	✓		Deep tank, forward,		
Double bottom, forward,	218	599	Other tanks, if fitted,		
Total capacity of double bottom		661	(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. 5774

Date

7. 3. 34

Dates of Surveys held while building

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

Total No. of Visits

69