

STEEL STEAMER OF MOTORSHIP.

6 FEB 1930

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel YesDate of completion of report 4/2/30Port of Newcastle-on-TyneNo. 85288Survey held at Hebburn on TyneDate First Survey 9 Sept 1929Last Survey 3 Feb 1930(State if Machinery fitted Aft and
if Single, Twin or Triple Screw)Steel Single Screw steamer KIRKWOOD

(machinery aft)

State Type (Full Scantling, Complete Superstructure
with or without Tonnage Openings)Full ScantlingState Type of Erections R.O.D. & ForcleTonnage under
main Deck2115.6CLASS 100A1State if with freeboard
as condition of Class

FEET.

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 306.0

Breadth (greatest moulded)

B 43.75Depth at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c)D 21.5

Gross Tonnage

2779.62

Net Tonnage

1578.821st Longitudinal Number (L x D) = 65682nd Numeral L x (B + D) = 19933Framing Depth "d," at middle of length. See
Sec. 3 (1d)18.5 to upper
23.25 " R.O.D.Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel14.2

REGISTERED DIMENSIONS.

FEET.

Length

306.0

Breadth

44.0

Depth

19.35

Draught Moulded

19'-0 1/8"Built at Hebburn on TyneLaunched 14th Dec 1929 Yard No. 570Builders R. & W. Hawthorn, Leslie & Co LtdOwners W. France, Fenwick & Co Ltd

Managers

(Where necessary to be entered in Reg. Book.)

Residence LondonPort of Registry London

If surveyed while building, afloat, or in dry dock

Building and afloat

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 1/2 length to Collision bulkhead	24"		" " Reversed Frame	—	
" " in peaks	24"		" " Vertical Struts	—	
DE FRAMING.			Centre Girder, depth and thickness amidships	36" x 46	
Frame Amidships, Angle, E or [	Upper dk 8 1/2 3 48 R.O. dk 10 3 44 NBS 10 x 3 1/2 x 45 0.35 9 1/2 3 44		" " top Angles	one 6 x 6 x 42	
" " Extends up to	gunwale		" " bottom Angles	one 6 x 6 x 48	
Reversed Frame Amidships, Angle	—		Side Girders, No. each side and thickness	1 @ 34	
" " Extends up to	—		Margin Plate depth (excl. of flange) and thickness	32" x 40	
Depth of Framing Girder	8 1/2" x 10"		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 3 34	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	—		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 3 34	
" " Second 'tween Decks, Angle, [or]	—		" " Gussets, spacing and scantling abaft 1/2 len. from stem	6 x 6 x 38 L at top of Margin every 3rd fr.	
" " Third " " "	—		" " Gussets, spacing and scantling forward 1/2 len. from stem	6 x 6 x 38 L at top of Margin every 2nd fr.	
Framing in Peaks, Angle or [	6 3 35		Tank Side Brackets, height above base line at toe of Frame and thickness	51 38 at upp 40 at R.O.D.	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	1/4 dia 3/4 Rivets		INNER BOTTOM PLATING.		
State if Frame Joggled	yes		Breadth and thickness of Middle Line Strake	46 56 54 46 x 42 36	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	deep framing & stringers as per plan.		Thickness of remainder in Holds	56 54 36 34	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	double frames closely spaced into plating & thickness		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	
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	—		Uppermost Continuous Deck, amidships in Wells, Angle, E or [	8 3 1/2 46 NBS	
Height of Brackets at side above base line at toe of frame	—		" " 1/2 beams way of Bridge, Angle, E or [	5 3 1/2 42	
Middle Line Keelson, on Floors, Angles, [or]	—		Spacing	Every fr.	
" " Through Plate or Intercoastal Plate	—		R.O.		
" " Foundation Plate on Floors	—		Second Deck, amidships, Angle, E or [	8 3 1/2 45 NBS	
" " Flat Plate Keel Angles	—		" " 1/2 beams L	5 3 1/2 42	
Side Keelsons, No. each side	—		Spacing	Every fr.	
" " thickness of Intercoastal Plate	—		Third Deck, amidships, Angle, [or]	—	
" " Angles	—		Spacing	—	
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, [or]	—	
Solid Floors, thickness and spacing	34 every frame		Spacing	—	
" " Are Frame and Reversed Frame joggled?	yes		Poop Deck, Angle, [or]	—	
Bracket Floors, breadth and thickness at middle line	—		Spacing	—	
" " breadth and thickness at margin plate	—		Bridge Deck, Angle, [or]	—	
			Spacing	—	
			Forecastle Deck, Angle, E or [6 3 38	
			Spacing	Every fr.	

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W593-0130 (12)

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.....	none.		Stringer Plate, breadth and thickness in way of Bridge	-	
" in 'tween Decks, Size and Spacing.....	Brackets.		Thickness of Plating abreast Deck openings in way of Wells	-	
" " " " "	Every 4th frame as per plans		Thickness of Plating abreast Deck openings in way of Bridge	-	
" in Holds " "			Thickness of Plating within line of openings...	-	
" " " " "			If Sheathed, material and thickness		
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	-		Stringer Plate, breadth and thickness.....	-	
Plating, thickness of	-		If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	-	
Stringer Plate, breadth and thickness in Wells	63 1/2 x 1.00	62 x 1.00	If Plated, state thickness		
" " " " in way of Bridge	60 x .68		Poop Deck.		
" " " " " " " " "	6 6 .78		Stringer Plate, breadth and thickness	-	
Angle in Wells	6 6 .54		Plating, Sheathing, material and thickness ...		
" " on R.Q.D.	.76		Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Wells .....	.53		Stringer Plate, breadth and thickness.....	-	
Thickness of Plating abreast Deck openings in way of Bridge R.Q.D.....	.40 & .36		Plating, Sheathing, material and thickness ...		
Thickness of Plating within line of openings...	Bitumastic in way of accommodation 2 1/2 P.P. over Accom.		Forecastle Deck.		
If Sheathed, material and thickness			Stringer Plate, breadth and thickness.....	29 x .32	
Second Deck.			Plating, Sheathing, material and thickness ...	.26 2 1/2 P.P.	
Stringer Plate, breadth and thickness in Wells...	-				

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	56	56		double	7/8	3 3/4	3	7/8	3 3/8	strapped
" DBLG. (if any)		-										
BOTTOM PLATING, No. of Strakes	32	52	52	44	.49 - .41 .49 F	double	3/4"	3	3	3/4	2 5/8	lapped
BILGE PLATING, No. of Strakes	22	52	44	44	.49 - .41	"	"	"	3	"	"	"
SIDE PLATING, No. of Strakes	2 at upp. 3 at R.Q.D.	52	44	44	.49 - .41	"	"	"	3	"	"	"
UPPER DECK, Sheer-strake in Wells.....	48"	.77	44	-		"	1"	4	4	1	4"	"
UPPER DECK, Sheer-strake in Bridge R.Q.D.	48	52	-	44		"	7/8	3 3/4	3	7/8	3 3/8	"
STRAKE BELOW Sheer-strake in Wells.....	56	60	44	-		"	7/8	"	3	7/8	3 3/8	"
STRAKE BELOW Sheer-strake in Bridge R.Q.D.	56	52	-	44	.41 in peaks increased as per rule .49 - .41	"	3/4	3	3	3/4	2 5/8	"
R.Q.D. Sheer	59 1/2	54	-	41		"	7/8	3 3/4	3	7/8	3 3/8	"
Reef Side PLATING						"	7/8	"	3	7/8	3 3/8	"
Strike below R.Q.D. BRIDGE SIDE PLATING ...	48"	52	-	44		"	7/8	"	3	7/8	3 3/8	"
sheer			.37			single	3/4	3	1	3/4	2 5/8	"
FOREC'TLE SIDE PLATING												

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—						
Extending to Upper Deck (Sec. 3 c)		6				
,, Deck next below		-				
As per Rule		5				
		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D , Upper tween decks						
,, ,, Second ,,						
,, ,, Third ,,						
,, Ex deep Tank Holds		36 Coam ^a 30	NBS 9 x 3 1/2 x 48	5 30	-	-
COLLISION ,, (in Hold)		46 Coam ^a 34 - 30	8 x 3 x 42	5 24	deck = semi box	
AFTER PEAK ,, ,,		42 - 32	8 x 3 x 40	5 24	7 x 3 x 34	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				Flat plate keel
STEM	Rolled Steel	8 x 28	Langley	
STERN FRAME { Propeller Post	Forged Scrap Iron	9 x 5 1/2	Forster	
{ Rudder		8 x 5 1/2	Sons	
RUDDER—A x D.		24 x 25		
Speed of Vessel under 10K				
RUDDER mainpiece at head	Forged	14 1/2	Langley	
" " heel	Forged	5 3/4	Forge Co.	
" " how constructed	Arms Scrap Iron	Arms shrouds	Arms Forster & Sons	
" double or single plate coupling, vertical or horizontal .....		.98 single		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Dorman Long
	appleby Iron Co., Consell Iron Co., Pease & Partners, Cargo Fleet Iron Co.	
	Has the Steel been tested as required by the Rules?	Yes

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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.)

This vessel is practically a duplicate of the S.S. Chatwood (No. 39423 in R.B. Supp^t) built by Messrs S.P. Austin & Son Ltd.

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

1st Bower	25.1.26	28.0.14 with pin	S.T. 496	20.12.29	Maddaleno
2nd "	23.0.4	25.2.0 "	M.B. 7381	20.12.29	Diess
3rd "	20.3.13	22.3.14 "	M.B. 7245	24.11.29	Diess

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. 176.6 ft., Bridge — ft., Forecastle 34.6 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 DK (stl)

Official No. 161364 ; Signal Letters — Is bottom of Vessel coated with cement 491 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,	—	—	Fore peak tank,	24.5	211
Double bottom, under Engines and Boilers, (aft)	42.0	59	After peak tank,	12.0	44
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward, of S.P.B.	208	564	Other tanks, if fitted, Amidships	8.0	285
Total capacity of double bottom 750		623	(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. 5374

Date 28.9.29

Dates of Surveys held while building

1929
Sept. 11, 26. Oct. 1, 2, 3, 9, 10, 14, 16, 17, 18, 24, 28, 29, 31. Nov. 1, 5, 7, 12, 18, 21, 25, 27, 28, 29. Dec. 2, 3, 5, 6, 10, 13.
1930
16, 17, 24. Jan. 20, 21, 22, 24, 28. Feb. 3.

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Total No. of Visits 41