

Rpt. 1

RESOLIVE

28 OCT 1948

INDO

STEEL STEAMER OR MOTORSHIP.

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

Port of *Sunderland*No. *34989*Survey held at *Sunderland*Date First Survey *10th September 1947*Last Survey *19th October*

1948

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

*Single screw**"OTTO BANCK"**Machinery amidships*

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

*C.S.S. with tonnage opening aft*State Type of Erections *Yacht type on C.S.S.*TONNAGE under BRITISH 1762.88
Tonnage Deck ... SWEDISH 1762.88CLASS *A-100A.1*State if with freeboard as condition of Class *yes*Built at *Sunderland*Launched *7th July 1948*Yard No. *501*Builders *Short Brothers Limited*Owners *Otto Bancks Rederi A-B*

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry *HELSINGBORG*

If surveyed while building, afloat, or in dry dock

While building

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 *310.0*

Breadth (greatest moulded)

B *46.75*

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

D *27.91*

1st Longitudinal Number (L x D)

8499.27

2nd Numeral L x (B + D)

22991.77

Framing Depth "d," at middle of length. See Sec. 3 (1d)

Proportions—Depth to Length—Uppermost continuous deck to top of keel

11.1

Do. Long Bridge to top of keel

Draught Moulded

19' 0 1/2

REGISTERED DIMENSIONS.

FEET

Length *317.5*Breadth *46.95*Depth *17.4*

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	27 ✓		Bracket Floors, Frame	6 x 3 1/2 x .52 OA ✓	
" " from 1/2 length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	6 x 3 1/2 x .52 OA ✓	
" " in peaks	24 ✓		" " Vertical Struts	10 x 6 x 3 1/2 x .52 OA ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	36 1/4 x .47 ✓	
Frame Amidships, Angle, E or C	8 x 3 x .45 L ✓		" " top Angles	DOUBLE 3 x 3 x .41 5 x 5 x .41 SINGLE ✓	
AT DEEP TANK AFT	7 x 3 x .38 L ✓		" " bottom Angles	SINGLE 5 x 5 x .46, DOUBLE 3 1/2 x 3 1/2 x .46 FORD OF 1/2 L ✓	
" " Extends up to	2nd DECK, UPPER AT STRONG BEAMS ✓		Side Girders, No. each side and thickness	ONE .34 ✓	
Reversed Frame Amidships, Angle	✓		Margin Plate depth (excl. of flange) and thickness	27 x .43 ✓	
" " Extends up to	✓		" " Vertical Angle to Tank side	3 x 3 x .36 ✓	
Depth of Framing Girder	✓		" " Bracket abaft 1/4 len. from stem	3 x 3 x .36 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	6 x 3 1/2 x .52 OA TO 7 x 3 x .33 L FORD ✓		" " Vertical Angle to Tank side	3 x 3 x .36 ✓	
" " Second 'tween Decks, Angle, E or C	✓		" " Bracket from forward 1/4 len. from stem to Panting Area	5 x 5 x .36 AT PANTING AREA ✓	
" " Third	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	14 x .36 2 1/2 FL CONTINUOUS ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	8 x 3 x .45 L ✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	15 x .36 2 1/2 FL DO ✓	
" " AT PANTING AREA	9 x 3 1/2 x .40 L ✓		" " Tank Side Brackets, height above base line at toe of Frame and thickness	56 x .37 - 6 FL ✓	
" " in Peaks, Angle or C	6 x 3 x .33 L ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 @ 5 1/4 ✓		Breadth and thickness of Middle Line Strake	4 PLATED TRANSVLY ✓	
State if Frame Joggled	yes ✓		Thickness of remainder in Holds	39 ✓	2 1/2 W.W. ✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes ✓		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 ✓	CEILING ON TANK TOP ✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes ✓		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in	6 x 3 x .28 L TO 7 x 3 x .40 L GAS APPROVED ✓	
Floors, Depth and thickness at mid-line in Holds	✓		" " in way of Bridge, Angle, E or C	✓	
Height of Brackets at side above base line at toe of frame	✓		" " Spacing	EVERY FRAME ✓	
Middle Line Keelson, on Floors, Angles, E or C	✓		Second Deck, amidships, Angle, E or C	7 x 3 x .38 L GAS APPROVED ✓	
" " Through Plate or Inter-costal Plate	✓		" " Spacing	EVERY FRAME ✓	
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, E or C	✓	
" " Flat Plate Keel Angles	✓		" " Spacing	✓	
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, E or C	✓	
" " thickness of Inter-costal Plate	✓		" " Spacing	✓	
" " Angles	✓		Poop Deck, Angle, E or C	6 x 3 x .30 OA 8 6 x 3 x .36 L ✓	
DOUBLE BOTTOM.			" " Spacing	EVERY FRAME ✓	
Solid Floors, thickness and spacing	36 @ 9' 0" ✓		Bridge Deck, Angle, E or C	✓	
" " Are Frame and Reversed Frame joggled?	FRAME ONLY ✓		" " Spacing	✓	
Bracket Floors, breadth and thickness at middle line	27 x .36 3 FL ✓		Forecastle Deck, Angle, E or C	6 x 3 x .30 L ✓	
" " breadth and thickness at margin plate	27 x .36 3 FL ✓		" " Spacing	EVERY FRAME ✓	

(MADE IN ENGLAND.)

010652-010661-0042 1/2

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	STRONG BEAMS & GIRDERS AS APPROVED ✓			Stringer Plate, breadth and thickness in way of Bridge	✓
" in 'tween Decks, Size and Spacing	✓			Thickness of Plating abreast Deck openings in way of Walls	31" to 35" FORD 33" AFT ✓
" " " " "	✓			Thickness of Plating abreast Deck openings in way of Bridge	✓
" in Holds " " " "	✓			Thickness of Plating within line of openings...	30" ✓
" " " " "	✓			If Sheathed, material and thickness	✓
Centre Line Bulkhead.	TW. DECKS ✓	5x3x30 0A. to 7x3x48 @ 4'-6" ✓		Third Deck.	
Stiffeners and Spacing	HOLDS ✓	6x3x30 L to 9x3x50 L @ 4'-6" ✓		Stringer Plate, breadth and thickness	✓
Plating, thickness of	TW. DECKS ✓ HOLDS ✓	9x3 1/2 x 38 L DBLE AT HATCH ENDS 26 30 ✓	FORD ✓	If Plated, state thickness	✓
STRINGERS AND DECKS.				Fourth Deck.	
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness	✓
Stringer Plate, breadth and thickness in Wall	80" x 42" ✓			If Plated, state thickness	✓
" " " " in way of Bridge	✓			Poop Deck.	
" Angle in Walls	3 1/2 x 3 1/2 x 46 ✓			Stringer Plate, breadth and thickness	30" ✓
Thickness of Plating abreast Deck openings in way of Walls	36" ✓			Plating, Sheathing, material and thickness ...	26 2 1/2" O.P. SHEATHING ✓
Thickness of Plating abreast Deck openings in way of Bridge	✓			Bridge Deck.	
Thickness of Plating within line of openings...	32" ✓			Stringer Plate, breadth and thickness	✓
If Sheathed, material and thickness	✓			Plating, Sheathing, material and thickness ...	✓
Second Deck.				Forecastle Deck.	
Stringer Plate, breadth and thickness in Wall	80" x 35" to 37" FORD ✓			Stringer Plate, breadth and thickness	32" ✓
				Plating, Sheathing, material and thickness...	28 - 50 1/2" W/O WINDLASS ✓

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.....	47 [✓]	59 [✓]	55 [✓]	55 [✓]		DOUBLE [✓]	7/8 [✓]	3 3/8 [✓]	WELDED [✓]	-	-	BUTT WELD	
„ Dblg. (if any)	✓												
Bottom Plating, No. of Strakes A.B.C.....			A. 50 [✓] B. 54 [✓] C. 54 [✓]	43 [✓] 49 [✓] 43 [✓]		do [✓]	3/4 [✓]	3 [✓]	3R [✓]	3/4 [✓]	3 [✓]	LAPPED	
Bilge Plating, No. of Strakes D.E.....			D. 50 [✓] E. 50 [✓]	42 [✓] 43 [✓]		do [✓]	3/4 [✓]	3 [✓]	3R [✓]	3/4 [✓]	3 [✓]	do [✓]	
Side Plating, No. of Strakes F.G.....						do [✓]	3/4 [✓]	3 [✓]	3R [✓]	3/4 [✓]	3 [✓]	do [✓]	
Upper Deck, Sheer- strake in Wells J.....	72 [✓]	55 [✓]	50 [✓]	42 [✓]		do [✓]	7/8 [✓]	3 3/8 [✓]	3R [✓]	7/8 [✓]	3 1/2 [✓]	do [✓]	
Upper Deck, Sheer- strake in Bridge ...	✓												
Strake below Sheer- strake in Wells H.....	72 [✓]	51 [✓]	50 [✓]	42 [✓]		do [✓]	7/8 [✓]	3 3/8 [✓]	3R [✓]	7/8 [✓]	3 1/2 [✓]	do [✓]	
Strake below Sheer- strake in Bridge ...	✓												
Poop Side Plating.....				3/4 [✓]		SINGLE [✓]	3/4 [✓]	3 [✓]	1R [✓]	3/4 [✓]	2 5/8 [✓]	do [✓]	
	SIDE SHELL AT PANTING AREA = 50 [✓]												
Bridge Side Plating.....	✓	BOTTOM SHELL PLATING FORD OF 1/2 L A.B. & C = 54 [✓]											
Forecastle Side Plating			38 [✓]			do [✓]	3/4 [✓]	3 [✓]	1R [✓]	3/4 [✓]	3 [✓]	do [✓]	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)	1 ✓
„ Deck next below	4 ✓
As per Rule	5

FORGINGS AND CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.		Scantlings.	Maker's Name.	Any Depart from Approved Plans to be
Extending to Upper Deck (Sec. 3 c)	1 ✓					
„ Deck next below	4 ✓					
As per Rule	5					

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	30 ✓	8x3x38L ✓	6x3x42OA @ 24 ✓		
„ „ Second	✓				
„ „ Third	✓				
„ „ Holds	FRE 70 ✓	47 To 29 (32 AT TANK) 8x3x37L @ 30 ✓	8x3x41L @ 32 ✓	8x3x35L AT TANK ✓	
COLLISION „ (in Hold)	FRE 129 ✓	43 To 33 8x3x38L @ 24 ✓	15 B. BEAM ✓		
AFTER PEAK „	FRE B ✓	41 To 31 8x3x45L To 3x3x30 @ 24 ✓	3 HOR 8x3x40L ✓		

	Casting or Forging.	Scantlings.	Maker's Name.	Any Depart from Approved Plans to be
KEEL, Bar		✓		
STEM	M.S.	8x2 1/4 ✓	8x42" PLATE ✓	
STERN FRAME	Propeller Post	FABRICATED BY DORMAN LONG & CO. LP ✓		
	Rudder	AS PER APPROVED PLAN. ✓		
Speed of Vessel		12 KNOTS ✓		
RUDDER—Type	Semi balanced see plan	ORDINARY	THE WOLSEINGHAM STEEL CO. LTD ✓	
„ A x D		201 ✓		
„ Diam. of head		7 1/4 ✓		
„ Mainpiece at top pintle		✓		
„ „ heel		✓		
„ how constructed		2 FORGED	arms ✓	
„ double or single plate coupling, vertical or horizontal		DOUBLE 42 PLATE ✓		
		VERTICAL ✓		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth* ✓
Appleby Frodingham, Cargo Fleet, Dorman Long, Skinningrove
South Durham, and Consett Iron Co.
Has the Steel been tested as required by the Rules? *Yes* ✓

EQUIPMENT No. 23673 ✓										LETTER 4 ✓	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested, and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.			
52257	1st Bower	43	0	16	✓	✓	✓	38	1	1	0	✓	✓
52245	2nd "	43	0	12	✓	✓	✓	37	19	1	14	✓	✓
52268	3rd "	42	3	21	✓	✓	✓	37	17	2	0	✓	✓
	Collective weight	129	0	21	✓	✓	✓					✓	✓
4062	Stream	12	2	14	3	0	21	14	8	1	21	✓	✓

CHAIN CABLES.												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.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Length.		Cir.	
10570	270	1 1/16	71 16/20	100 10/20	432-0-0	511 1/2	✓	270	1 15/16	TAYCO	S Taylor & Sons Ltd	LPH-N.17-3-48 WUN	TOWLINE	100	4	33.2	100	4
													HAWSERS & WARPS	2090	2 1/2	13.2	2090	2 1/2
														2090	2 1/4	10.8	2090	2 1/4
Stream Chain Steel Wire	90	4 1/4	✓	✓	364	✓	✓	90	4 1/4	✓	✓	✓						

Steering Gear, Type (Power or hand)	Donkin & Co (steam) ✓	Alternative Means of Steering	Hand gear on quadrant. ✓
Steering Chains (Size and Test)	Telemotor controlled ✓	Windlass	Clarke Chapman (steam) ✓
Ceiling in Holds, thickness and material	2 1/2" w.w. on tank top & bilges, 3 1/2" w.w. on tunnel	Cargo Batts.	thickness, material and spacing 6" x 2" w.w. 9" apart.

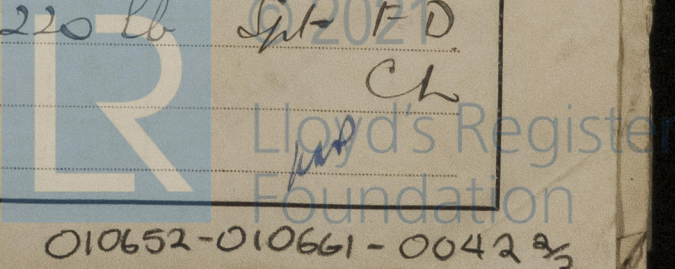
Hatchways.—(Upper Deck)	Steel plates and angles (recessed) ✓	Thickness of Hatches	2 1/2" on hatch, 2 3/8" elsewhere
Hatchways No. 1 (Fwd.)	24' 9" x 20'	No. 2	24' 9" x 20'
		No. 3	24' 9" x 20'
		No. 4	24' 9" x 20'
		No. 5	24' 9" x 20'
		No. 6	4' 6" x 20'
er of Shifting Beams	4 ✓	4 ✓	4 ✓
er Fore and Afters	4 ✓	4 ✓	4 ✓

Builder's Signature	Henry S. Short
DIRECTOR	

RAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel		Yes ✓
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo		No ✓
be indicated, together with the flash point (where required to be inserted in the Notation).		The positions in which oil is carried as fuel or cargo should
This ship has been built in conformity with the Society's Rules and Regulations & the Secretary's letters. The scantlings and arrangements are in accordance with equivalent to those shown on the approved plans. The material and workmanship is good. Oil fuel flash point not lower than 150°F is carried in Nos 1, 2, 3, 4, 6 and 7 double bottom tanks, deep tanks at tunnel sides and deep tanks at sides of machinery space. The requirements of Section 2a of the Rules so far as applicable have been complied with. The double bottom tanks, cofferdams, peak, deep and settling tanks have been tested under water pressure and found good. The decks, bulkheads, tunnel and w/i door have been hose tested and found good. The steering gear, secondary means of steering, windlass, bilge suction and hand pumps have been tested and found good. The freeboard markings have been verified and cut in on the vessel sides.		

The amount of Entry Fee..... £	:	:	Fees applied for,	
Special Survey Fee..... £459	:	0	0	OCT 26 1948
FREEBOARD	:	21	0	0
Travelling Expenses, if any	:	:	:	19
SUNDAY ATTENDANCE	:	5	5	0
State whether the Vessel has been built under Special Survey	yes			
Certificate to be sent to	SUNDERLAND	Date of issue	6/12/48	

Committee's Minute	FRI 19 NOV 1948
Character assigned	+100 A1 with freeboard
	Fitted for oil fuel 10.48 FP above 150°F
	Lloyd's ABCP + LMC 10.48
	2SB 220 lb
	White Std
	CL



010652-010661-0042 2 1/2

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 fitted with "LORAN" (long range navigational aid)

PARTICULARS OF ELECTRIC WELDING (if employed) Keel and centre girder butts welded, seams and butts of tank top plating welded, tank side gussets, bulkheads, centreline bulkheads, tunnel side and bunker side plating welded to tank top. Second deck butts welded, second deck girder welded to deck plating. Shell plating connection to stem frame welded, fabricated stem frame welded. O.T. Bunker tank seams and stiffeners welded. Second deck plating welded to shell. Upper deck plating at fore-castle welded to shell. Ventilator coamings welded to deck. Hatch webs welded.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. "CRUISER STERN" "Lloyd's A&CP" ✓
"BUTTS OF KEEL WELDED" "5 BHRS (COLL TO W. DK 4 TO 2ND DK)" ✓ "FITTED FOR OIL FUEL F.P. ABOVE 150°F"
"1 DK & SHELTER DK" ✓ E.S.D. D.F. G.Y.C. RADAR ✓ "pt Elec. welded" "pt Cem"

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

1st Bower	27-3-19 ✓	AEG	3	17-2-48 ✓
2nd "	26-3-8 ✓	J.H.J	9482	17-12-47 ✓
3rd "	27-2-7 ✓	A.E.G	4	17-2-48 ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 25.0 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Fore-castle 26.08 ft.
(in feet and tenths). When the Poop or Fore-castle are joined to the B.D., this should be distinctly stated ✓

Official No. Signal Letters S.E.F.N Extreme Breadth over Belting (Circ. 1611) Over-all Length 330.5 ft. ✓ (Circ. 1703)
No. and Material of Decks 1 Deck (steel) and 1 shelter deck (steel) ✓
Parts of Bottom of Vessel coated with cement or approved composition Cement in No. 5 double bottom tank, cofferdams, fore and after peaks and bilges.
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,	81.00	135	Fore peak tank,	24.5	179
Double bottom, under Engines and Boilers,	47.25	154	After peak tanks,	16.0	39
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	4.5	19
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward, AFT AT TUNNEL SIDES (P) 24.75(S)	29.25	127
Double bottom, forward,	132.75	358	Other tanks, if fitted,		
Total length (if continuous) and Capacity	261.00 ✓	647 ✓	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6254

Date 18.9.47

Dates of Surveys held while building

1947 Sep 10, 12, 13. Nov 4, 18, 27. Dec 5, 14.

1948 Jan 13, 21, 26. Feb 3, 13, 14, 17. Mar 1, 5, 8, 10, 14, 19, 22, 30. Apr 2, 5, 12, 14, 16, 21, 23, 26, 29. May 3, 4, 5, 6, 10, 11, 18, 19, 21.

26, 28. Jun 1, 4, 7, 8, 9, 10, 11, 14, 15, 17, 18, 21, 22, 24, 25, 28, 29, 30. Jul 2, 5, 6, 7, 15. Aug 25, 30. Sep 7, 14, 16, 20, 21, 22, 23, 24, 27, 28.

Oct 1, 2, 5, 6, 7, 8, 9, 11, 12, 13, 15, 16, 17, 19.

Total No. of Visits 94