

STEEL STEAMER or MOTORSHIP.

Received at London Office 10 DEC 1936

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

9th December 1936

Port of

Sunderland

No. 31976

Survey held at

Sunderland

Date First Survey

17 June 1936

Last Survey

1st December 1936

On the

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

*Single Screw Steamer "CORHEATH"**Machinery Aft*

State Type

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

Full Scantling

State Type of Erections

TONNAGE under Tonnage Deck...

482.90

CLASS *100 A.1*

(State if with freeboard as condition of Class)

Built at

Sunderland

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

Total

140.04

Gross Tonnage

1096.48

Register Tonnage

577.40

REGISTERED DIMENSIONS.

FEET.

Length

215.0

Breadth

34.5

Depth

13.1

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 214

Breadth (greatest moulded)

B 34.33

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

D 15.0

1st Longitudinal Number (L x D) = 3210

2nd Numeral L x (B + D) = 10554

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

UD 11.83

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

UD 15.58

Do. Long Bridge to top of keel

UD 14.27

Draught Moulded

14' 3"

Launched 29th Oct 1936 Yard No. 341Builders *Wm S.P. Austin & Sons Ltd*Owners *Cong Collier Ltd.*Managers *Wm Cong & Son Ltd.*

(Where necessary to be entered in Reg. Book)

Residence

London

Port of Registry

London

If surveyed while building, afloat, or in dry dock

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	24	✓			Bracket Floors, Frame	✓			
" " from $\frac{3}{8}$ length to Collision bulkhead	24	✓			" " Reversed Frame	✓			
" " in peaks	22 $\frac{1}{2}$	✓			" " Vertical Struts	✓			
SIDE FRAMING.					Centre Girder, depth and thickness amidships	31"	38	✓	
Frame Amidships, Angle, <i>E or F</i>	6	3	48	6 x 3 x 43	" " top Angles	3	3	34	✓
" " Extends up to	R.Q.	OK			" " bottom Angles	3	3	38	✓
Reversed Frame Amidships, Angle	✓				Side Girders, No. each side and thickness	one	28		
" " Extends up to	✓				Margin Plate depth (excl. of flange) and thickness	29"	36	✓	
Depth of Framing Girder	6				" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	<i>Tank top level to ship's side</i>			
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>	✓				" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem				
" " Second 'tween Decks, Angle, <i>E or F</i>	✓				" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	✓			
" " Third " " " "	✓				" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	✓			
Framing in Peaks, Angle <i>E or F</i>	5	3	49	5 x 3 x 44	Tank Side Brackets, height above base line at toe of Frame and thickness	as plan	34	✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4	62 Dia	✓		INNER BOTTOM PLATING.				
State if Frame Joggled	<i>Yes</i>				Breadth and thickness of Middle Line Strake	60"	50	41" x 34	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Framing 4 x 3 x 57 3/8 in. PANTING ROOM DE + F Strake increased to 45 in way of pating area</i>				Thickness of remainder in Holds	50	✓	32	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>Intermediate frame 4 x 3 x 52 increased to 53</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. R.Q.				
Floors, Depth and thickness at mid-line in Holds					Uppermost Continuous Deck, amidships in Wells, Angle, <i>E or F</i>	4	3	30	✓
Height of Brackets at side above base line at toe of frame					" " R.Q. " in way of Bridge, Angle, <i>E or F</i>	6	3	38	6 x 3 x 36
Middle Line Keelson, on Floors, Angles, <i>E or F</i>					" " Spacing	24"			
" " Through Plate or Intercoastal Plate					UPPER Second Deck, amidships, Angle, <i>E or F</i>	6	3	38	16 x 3 x 36
" " Foundation Plate on Floors					" " Spacing	27"			
" " 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	33	24"			" " Spacing	✓			
" " Are Frame and Reversed Frame joggled?	<i>Frame joggled</i>				Bridge Deck, Angle, <i>E or F</i>	✓			
Bracket Floors, breadth and thickness at middle line	✓				" " Spacing	✓			
" " breadth and thickness at margin plate	✓				Forecastle Deck, Angle, <i>E or F</i>	5	3	30	✓
					" " Spacing	4	3	30	✓

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.....	one		Stringer Plate, breadth and thickness in way of Bridge	✓	
„ in 'tween Decks, Size and Spacing	2 3/8 dia in fore-castle		Thickness of Plating abreast Deck openings) in way of Wells	✓	44 to 48
„ „ „ „ „	✓		Thickness of Plating abreast Deck openings) in way of Bridge	✓	32 to 34
„ in Holds „ „	✓		Thickness of Plating within line of openings...		
„ „ „ „ „	✓		If Sheathed, material and thickness		none
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	78 35 78" x 31		If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	78 38		Poop Deck.		
„ Angle in Wells	3 1/2 3 1/2 35		Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings) in way of Wells	✓		Plating, Sheathing, material and thickness ..	✓	
Thickness of Plating abreast Deck openings) in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings...	30		Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness	2 1/2 Oregon Pine in way of Deck		Plating, Sheathing, material and thickness ..	✓	
UPPER			Fore-castle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....		30
Stringer Plate, breadth and thickness in Wells...	80 x 48 54		Plating, Sheathing, material and thickness ..		30

SHELL PLATING.

SCANTLINGS.						RIVETING. ✓						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. No. ✓			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	41	49	45	49	✓	Double	3/4	3	3	3/4	2 5/8	Lapped
„ DBLG. (if any)	✓											
BOTTOM PLATING, No. of Strakes 3.....		49	40	42 44 45	✓	Double	3/4	3	3 To 2	3/4	2 5/8	Lapped
BILGE PLATING, No. of Strakes 1.....	51	44	45	39	✓	Double	3/4	3	3 To 2	3/4	2 5/8	Lapped
SIDE PLATING, No. of Strakes 2 R. & D. 1 U. & D.	54	43	40	39	✓	Double	3/4	3	2	3/4	2 5/8	Lapped
UPPER DECK, Sheer-strake in Wells.....	48	46	✓	35	✓	Double	3/4	3	3 To 2	3/4	2 5/8	Lapped
UPPER DECK, Sheer-strake in Bridge ...	45	56	35	✓	✓	Double	3/4	3	3 To 2	3/4	2 5/8	Lapped
STRAKE BELOW Sheer-strake in Wells.....	45	44	✓	36	✓	Double	3/4	3	3 To 2	3/4	2 5/8	Lapped
STRAKE BELOW Sheer-strake in Bridge ...	54	50	40	✓	✓	Double	3/4	3	3 To 2	3/4	2 5/8	Lapped
POOP SIDE PLATING	✓											
BRIDGE SIDE PLATING ...	✓											
FORECASTLE SIDE PLATING		30			✓	Single	3/4	3	1	3/4	2 5/8	Lapped

WATERTIGHT BULKHEADS.

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
TOTAL NO. OF W.T. BULKHEADS	IN VESSEL—					
Extending to Upper Deck (Sec. 3 c)						
"	Deck next below					
As per Rule						
MIDSHIP BULKHEAD, Upper tween decks		✓				
"	Second "	✓				
"	Third "	✓				
"	Holds	✓				
COLLISION	(in Hold)					
AFTER PEAK						

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted
KEEL, Bar		<i>Flat plate</i>	<i>Keel</i>	
STEM		<i>R.S. $6\frac{3}{4} \times 1\frac{1}{2}$</i>		<i>TOP PORTION PLATE > 40</i>
STERN FRAME {	Propeller Post	<i>CS $1\frac{1}{2} \times 1\frac{3}{8}$</i>		
	Rudder	<i>CS $5 \times 4\frac{1}{2}$</i>	<i>2 x 2 x 2</i>	
Speed of Vessel	<i>under 10 knots</i>			
RUDDER—Type		<i>Double Plate</i>		
" A x D		<i>129 x 85</i>		
" Diam. of head		<i>F.I. $5\frac{3}{4}$</i>		
" Mainpiece at top pintle		<i>F.I. $6\frac{1}{4} \times 3\frac{3}{4}$</i>		
" " heel		<i>F.I. $3\frac{3}{4} \times 3\frac{3}{4}$</i>		
" how constructed				
" double or single plate		<i>.30</i>		
" coupling, vertical or		<i>Vertical</i>		
" horizontal				

STEEL.

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

Consolidated Iron Co., So. Durham S & I Co., Dorman Long & Co., Cargo Fleet Iron Co., Skinningrove Iron Co.

* Has the Steel been tested as required by the Rules?

Yes

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Lloyd's Register
Foundation

EQUIPMENT No 11394										LETTER m		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.			
36020	1st Bower ...	23	1	14	-	-	-	23	8	0	14	23 1/4	Bygone Improved Stockless		Sld. 7.9.36 JHB
36474	2nd „ ...	23	0	14	.	.	.	23	4	1	14	1	" " "		Sld 30.9.36 JHB
36491	3rd „ ...	20	2	4	.	.	.	21	5	3	21	1	" " "		Sld 30.9.36 JHB
	Collective weight.	67	0	4								66 3/4			
95678	Stream	6	0	24	1	2	10	8	10	0	0	1	Iron stock	Hook Blowers & Son	Tested 12.11.36 JHB

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.		
105076	210½	1⅞	37½	55⅝	227.0.8	222½	210	1⅞	Steel Link	Hook Blowers & Son	Tested 20.11.36 JHB	TOWLINE...	96	3¼	21⅞	90	3½		
												HAWSEERS & WARPS	490	2¼	10⅝	90	2¾		
																90	1¾		
Iron Stream Chain or Steel Wire	60	3½		25⅞			60	3½	1	British	Tested								
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Steering Gear, Steam *Donkin & Co.* Steering Gear, Hand *Arrangement of Blocks and wires led to after which as approved*

Boats 2-lifboats 18'3" Dugby 14'0" Steering Chains, Size and Test *Telemotor Gear* Windlass *Emerson Walker*

Ceiling in Holds, thickness and material *none* Cargo Battens, thickness, material and spacing *none*

Cargo Hatchways.-(Upper Deck) *Slit plate & angles Keith Patent* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *20'10 1/2" x 21'0"* No. 2 *21'4 1/2" x 21'0"* No. 3 *23'1 1/2" x 21'0"* No. 4 *23'1 1/2" x 21'0"* No. 5 *-* No. 6 *-*

Number of Shifting Beams and/or Fore and Afters *3 to each hatchway* **FOR S. P. AUSTIN & SON, LIMITED.**

Builder's Signature *J. Young* **MANAGER,**

GENERAL 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 *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 material and workmanship are good

The freeboards have been verified and cut in on the vessel's sides

The double bottom tanks and peak tanks have been tested as required by the rules and found in order

The decks, bulkheads and hand pump have been tested as required by the rules and found in order

The Windlass and Steering gear have been tried under working conditions

The amount of Entry Fee £ *5* Fees applied for, *4 Dec 1936* (Special notations, where part of class, to be stated.)

Special Survey Fee.... £ *109: 12* Received by me, *11.12.36* I am of opinion the Vessel should be Classed *+ 100 A.1.*

Freeboard 10: 0: 0

Travelling Expenses, if any £ : : *12/12*

State whether the Vessel has been built under Special Survey *Yes* Signature *L. H. Hartman* Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *SUNDERLAND* Date of issue *18/12/36*

Committee's Minute **FRI. 18 DEC 1936**

Character assigned *+100 A.1*

Lloyd A.1 *+ Linc 12.36* *C. L.*

Mach. aft. *Spl.* *OC*

carb. Battens not fitted

wrote *Elb.* *Ames*

The Surveyors are requested not to write on or before the Committee's Minute.

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.)

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

Echo Meles
Submarine sounding device

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 14-1-26 90.864 17-10-35 2nd „ 14-2-4 90.1153. 20-8-36 3rd „ 12-0-19 90.866 17-10-35
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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 1359 ft., Bridge ☒ ft., Forecastle 22-1 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks 1 Deck (Steel)

Official No. 165356 Signal Letters
particulars of composition.

Is bottom of vessel coated with cement in E+B Rooms only remainder of tanks if not give filets only.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	85-5	149	Fore peak tank,	20-0	82
Double bottom, under Engines and Boilers,			After peak tank,	9-37	42
Double bottom, if under Engines only,	18-0	16	Deep tank, aft, <i>amidships</i>	11-25	142
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	60-75	104	Other tanks, if fitted,		
Total capacity of double bottom		299	(If necessary, furnish further information by sketch.)		
		164-25			

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 5821

Date 15.6.36

Dates of Surveys held while building

1936. June 17, 19, 26 July, 10, 14, 17, 23, 27 Aug. 5, 7, 10, 12, 17, 19, 24, 28 Sep. 2, 3, 8, 11, 16, 21, 23, 29 Oct. 9, 12, 14, 15, 16, 19, 20, 21, 23, 24, 26, 27, 28, 29, 30 Nov. 2, 5, 11, 19, 26, 27, 28 Dec. 1

Total No. of Visits 47