

STEEL STEAMER OR MOTORSHIP.

FEB -8 1940

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 *5th February, 1940* Port of *Sunderland* No. *32798*
Survey held at *Sunderland* Date First Survey *2nd June, 1939* Last Survey *29th January 1940*On the *Single Screw Steamer*State Type *Complete Superstructure with Tonnage Opening*TONNAGE under Tonnage Deck *4308.24*CLASS *+ 100A1*State if with freeboard as condition of Class *Yes*Built at *Sunderland*Launched *Dec 9th 1939* Yard No. *241*Builders *Wm Pickersgill & Sons Ltd*Owners *The Claymore Shipping Co. Ltd*Managers *(Where necessary to be entered in Reg. Book.)*Residence *60 Mount Street St. Cardiff*Port of Registry *Cardiff*If surveyed while building, afloat, & in dry dock *Yes*Total Gross Tonnage *4767.86*Register Tonnage *2771.76*

REGISTERED DIMENSIONS.

Length *406*
Breadth *54.8*
Depth *25.6*Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a) *L 400*
Breadth (greatest moulded) *B 54.5*
Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 36.12*
1st Longitudinal Number (L x D) *= 14450*
2nd Numeral L x (B + D) *= 36250*
Framing Depth "d," at middle of length. See Sec. 3 (1d) *24.54*
Proportions—Depth to Length—Uppermost continuous deck to top of keel *10.85*
Do. Long Bridge to top of keel *25.14*
Draught Moulded *25.14*

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 3 1/2 34 ✓	
" " from 1/2 length amidships to Collision bulkhead.....	27 ✓		" " Reversed Frame	5 1/2 3 34 ✓	
" " in peaks.....	24 ✓		" " Vertical Struts	3 3 1/2 3 1/2 40 ✓	
FRAMING.			Centre Girder, depth and thickness amidships	43 53 ✓	
Frame Amidships, Angle, [or]	12 3 1/2 3 1/2 50 ✓		" " top Angles	6 6 47 ✓	
" " Extends up to	2nd Dk ✓		" " bottom Angles	6 6 53 ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One 35 ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	45 51 ✓	
Depth of Framing Girder.....	12 ✓		" " Vertical Angle to Tank side	5 5 42 ✓	
Frames in Uppermost Continuous Decks, Angle, [or]	7 3 1/2 32 ✓		" " Bracket abaft 1/2 len. from stem	5 5 42, 7 43 ✓	
" " Second 'tween Decks, Angle, [or]	✓		" " Vertical Angle to Tank side	26 6 43 ✓	
" " Third " " " "	12 4 4 54 ✓		" " Bracket from forward 1/2 len. from stem to Panting Area	3 1/2 3 1/2 43 ✓	
" " from 1/2 len. for'd. to 15% len. from Stem.....	15 4 4 4 1/2 62 ✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	3 1/2 3 1/2 46 ✓	
" " in Peaks, Angle or [.....	8 3 1/2 34 ✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area.....	6 6 46 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 6 3/8 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	68 1/2 42 ✓	
State if Frame Joggled	No ✓		INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes ✓		Breadth and thickness of Middle Line Strake	53 52 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		Thickness of remainder in Holds	41 ✓	
DOUBLE BOTTOM.			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 ✓	
Floors, Depth and thickness at mid-line in Holds	✓		BEAMS.		
Height of Brackets at side above base line at toe of frame	✓		Uppermost Continuous Deck, amidships in Walls, Angle, [or]	7 3 1/2 35 36 40 ✓	
Middle Line Keelson, on Floors, Angles, [or]	✓		" " in way of Bridge, Angle, [or]	27 ✓	
" " Through Plate or Intercoastal Plate	✓		Spacing	7 3 1/2 40 7 43 ✓	
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, [or]	8 3 3 34 ✓	
" " Flat Plate Keel Angles	✓		Spacing	27 ✓	
Side Keelsons, No. each side	✓		Third Deck, amidships, Angle, [or]	✓	
" " thickness of Intercoastal Plate	✓		Spacing	✓	
" " Angles	✓		Fourth Deck, amidships, Angle, [or]	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	39 9 1/2 ✓		Poop Deck, Angle, [or]	✓	
" " Are Frame and Reversed Frame joggled?	Rev. frame only ✓		Spacing	✓	
Bracket Floors, breadth and thickness at middle line	32 1/4 39 ✓		Bridge Deck, Angle, [or]	✓	
" " breadth and thickness at margin plate	32 1/4 39 ✓		Spacing	7 3 30 ✓	
			Forecastle Deck, Angle, [or]	8 3 44 34 ✓	
			Spacing	27 34 ✓	

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.....	CL Plate 26-18 plating		Thickness of Plating abreast Deck openings in way of Wells.....	36 ✓	
" " " " " "	5-3-29L alternate as approved.		Thickness of Plating abreast Deck openings in way of Bridge	36 ✓	
" in Holds " "	✓		Thickness of Plating within line of openings...	34 ✓	
" " " " "	✓		If Sheathed, material and thickness	✓	
Centre Line Bulkhead.	7-3-37 5/8 ✓		Third Deck.		
Stiffeners and Spacing.....	11-1 1/2-50 5/8 alternate ✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	30-38 ✓		If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	69-54 ✓		If Plated, state thickness		
" " " " in way of Bridge	✓		Poop Deck.		
" Angle in Wells	6-6-55 ✓		Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells.....	50 ✓		Plating, Sheathing, material and thickness ...		
Thickness of Plating abreast Deck openings in way of Bridge	44 ✓		Bridge Deck.		
Thickness of Plating within line of openings...	38 ✓		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 Wells...	75-42 ✓		Stringer Plate, breadth and thickness.....	36 tapered ✓	
			Plating, Sheathing, material and thickness ...	34 ✓	

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.									
FLAT PLATE KEEL	51½ ✓	77 ✓	67 ✓	67 ✓		Double ✓	1 ✓	3½ ✓	4 ✓	1 ✓	4 ✓	Capped ✓	
„ DBLG. (if any)													
BOTTOM PLATING, No. } of Strakes {		55 ✓	65 ✓ 65 ✓ 55 ✓	49 ✓ 51 ✓ 55 ✓ 55 ✓		Double ✓	7/8 ✓	3¾ ✓	3 ✓	7/8 ✓	3½ ✓	Capped ✓	
BILGE PLATING, No. of } Strakes {		55 ✓	49 ✓	48½ ✓ 59 ✓		„ ✓	7/8 ✓	3¾ ✓	3 ✓	7/8 ✓	3½ ✓	„ ✓	
SIDE PLATING, No. of } Strakes {		55 ✓	46 ✓	46½ ✓ 59 ✓ 46 ✓		„ ✓	7/8 ✓	3¾ ✓	3 ✓	7/8 ✓	3½ ✓	„ ✓	
UPPER DECK, Sheer- } strake in Wells..... {	73 ✓	67 ✓	46 ✓	46 ✓		„ ✓	7/8 ✓	3¾ ✓	4 ✓	7/8 ✓	3½ ✓	„ ✓	
UPPER DECK, Sheer- } strake in Bridge ... {	73 ✓	✓				„ ✓	7/8 ✓	3¾ ✓	4 ✓	7/8 ✓	3½ ✓	„ ✓	
STRAKE BELOW Sheer- } strake in Wells..... {		63 ✓	46 ✓	46 ✓		„ ✓	7/8 ✓	3¾ ✓	4 ✓	7/8 ✓	3½ ✓	„ ✓	
STRAKE BELOW Sheer- } strake in Bridge ... {		✓											
POOP SIDE PLATING		✓											
BRIDGE SIDE PLATING ...		✓											
FOREC'TLE SIDE PLATING		42 ✓				Single	7/8 ✓	3½ ✓	2 ✓	3/4 ✓	2½ ✓	Capped ✓	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	One
" Deck next below	Five
As per Rule	Six

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	Flat Plate ✓			
STEM	Rolled 10" x 2 1/2" ✓			
STERN FRAME { Propeller Post	Cast Ste 13" x 8" ✓		Walsingham Ste Co Ltd	
{ Rudder	10 1/2" ✓			
Speed of Vessel.....	Balanced Reaction			
RUDDER—Type.....	186			
" A x D	7" ✓		Forster & Sons Ltd ✓	
" Diam. of head	11 3/4" ✓		Forster & Sons Ltd	
" Mainpiece at top pintle	8 ✓		Sunderland	
" heel ...				
how constructed ...	Arms shank on keyed. ✓			
double or single plate coupling, vertical or horizontal.....	Double ✓			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks	✓				
" " Second	✓				
" " Third	✓				
" " Holds	45-26 1/5-4-4-2 1/2 27-30 ✓				
COLLISION " (in Hold)	54-30 6-3-4 1/2 24 2 semi box beams ✓				
AFTER PEAK " " 	32-30 7-3-37 5/8 24 2 semi box beams ✓				

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

EQUIPMENT No. 37180 ✓											LETTER Z ✓	ANCHORS.			
Number of Certificate.	Anchor.	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.			
39244	1st Bower ...	64	-	7	-	-	-	50	12	2	-	63-75 ✓	Byers Improved Shockless	Not stated	Sold 1/12/19 W V Norman
39245	2nd „ ...	63	3	21	-	-	-	50	10	-	-	63-75 ✓	“	“	“
39257	3rd „ ...	54	2	9	-	-	-	45	2	3	7	54-50 ✓	“	“	“ 5/12/19 “
	Collective weight.	182	2	9								182-00			
98538		7	3	11	4	2	10	18	18	-	14	17-20 ✓	Ordinary	N. Hingley & Sons Netherpton	21/10/19 J A Relf
98494	Stream	7	2	22	1	3	25	9	18	-	14		“	“	“ 4/10/19 J A Relf

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.	Length.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
89826	135	2 1/4	91.12	127.5	343	3	14	}	682	2 1/4	270	2 1/4	Shed N Hingley & Sons	Netherpton 30/6/19 J.A.R.	TOWLINE...	120	5	52.8	120	5
89827	135	2 1/4	91.12	127.5	342	1	2						"	9/10/19 J.A.R.		HAWSERS & WARPS	4-90	2 3/4	15.2	2-90
	270	✓			686.0.20														2-90	2 1/4
See General Order of Steel Wire	90	4 3/4	✓		47	✓			90	4 3/4	✓									

Steering Gear, Type (Power ☒ hand) *Donkin & Co* **Alternative Means of Steering** ✓

Steering Chains (Size and Test) *Telemotor* **Windlass** *Clarke Chapman & Co* **Boats** *2-26' lifeboats*
2-16' dinghies

Ceiling in Holds, thickness and material ✓ **Cargo Battens, thickness, material and spacing** *6x2" WP 9" apart* ✓

Cargo Hatchways.—(Upper Deck) *Steel plates & angles (Reith)* **Thickness of Hatches** *3"* ✓

Size of Hatchways No. 1 (Fwd.) *29'3" x 22'6"* No. 2 *29'3" x 22'6"* No. 3 *27' x 22'6"* No. 4 *29'3" x 22'6"* No. 5 *29'3" x 22'6"* No. 6 ✓

Number of Shifting Beams *No 1, 2, 4 & 5 hatches each 4, No 3 hatch 5* ✓

Builder's Signature *Wm. Pickersgill & Sons, Limited.*

Wm. Pickersgill
 Chairman of Managing Director.

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 ✓ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

The vessel has been built in accordance with the approved plans, the Secretary's letters and the Rules.
 The material and workmanship are good. The freeboard marks have been verified and cut in on the vessel's sides.
 The double bottom tanks and fore and after peak tanks have been tested in accordance with the Rules.
 The decks, bulkheads, tunnel, hand pumps, and water-tight doors have been satisfactorily tested.
 The steering gear and windlass have been tried under working conditions. ✓

The amount of Entry Fee £ *8 : 0 : 0* Fees applied for, *24 Jan 1940*
 Special Survey Fee.... £ *3 : 3 : 8* : 0 Received by me, *19/2/1940 20/2*
Freeboard £15 : 0 : 0
 Travelling Expenses, if any £ : : :
 I am of opinion the Vessel should be Classed *+ 100A1*
 with freeboard

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

Certificate to be sent to *SUNDERLAND.* Date of issue *22/2/40*

Committee's Minute *TUE. 20 FEB 1940*

Character assigned *+ 100A1*

Lloyd's arcl
Of.

+ Lmb 1.40
2 SB (SP) } 220
1 amp. SB }

2021
 Lloyd's Register
 Foundation

W382-6210 2/2

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.)

The following plans are enclosed :-
As built Midship Section, Profile & Decks.
Six forging & casting certificates are enclosed
together with list of plans.

PARTICULARS OF ELECTRIC WELDING (if employed) Electrodes employed :- Ferro Arc - Type G's
Parts welded :- Engine bed plate butt, funnel foundation after
end tank side & gunnet plates in way, hatch foundation
bar corners, rudder side plates.

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

Cruiser Stern D. F.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	41 - 0 - 7	JD	2363	4/11/39
	2nd "	41 - 2 - 18	JD	2355	2/11/39
	3rd "	34 - 0 - 9	JD	2097	25/7/39

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 37 ft.

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

Official No. 167798 Signal Letters Extreme Breadth over Belting ☒ Over-all Length 421'-0" (Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 Dk (Sk) & Shelter Dk (Sk)
Parts of Bottom of Vessel coated with cement or approved composition Bottom cemented throughout

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	126	286	Fore peak tank,	31.29	103
Double bottom, under Engines and Boilers,	38.25	180	After peak tank,	26.00	200
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft,	<input checked="" type="checkbox"/>	
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward,	<input checked="" type="checkbox"/>	
Double bottom, forward,	186.75	716	Other tanks, if fitted,		
Total length (if continuous) and Capacity	351.00	1182	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 5895

Date 21. 4. 39

Dates of Surveys held while building

1939. June 2.7.26.27.28.29. July. 3.5.6.7.10.12.13.14.17.18.20.25.27.28. Aug. 8.9.22.29.31
Sep. 4.7.12.14.19.21.25.28. Oct. 3.5.10.12.13.17.19.24.26.27.31. Nov. 3.7.8.9.14.16.21.23.27.28.30
Dec. 5.7.9.12.19.21.28. 1940. Jan. 3.5.8.10.15.18.29.

Total No. of Visits 69