

## STEEL STEAMER or MOTORSHIP.

SEP 16 1937

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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 from Hartlepool.*Date of completion of report *September 11<sup>th</sup> 1937.* Port of *Sunderland.* No. *32195*Survey held at *SUNDERLAND.* Date First Survey *21<sup>st</sup> December, 1936* Last Survey *28<sup>th</sup> July.* 1937On the *Single Screw "NORTHLEIGH"*  
State Type *Complete Superstructure with Tonnage* State Type of Erections *C.S.S.*TONNAGE under *4986.74* CLASS *+ 100 A1* State if with freeboard *Yes.* Built at *Sunderland.*Do. of space or spaces  
between Tonnage Dk.  
and Upper Dk.

Total

Gross Tonnage *6449.71*Register Tonnage *3206.83*

## REGISTERED DIMENSIONS.

Length *430.15*  
Breadth *56.20*  
Depth *26.85*Length Overall = *447.25*  
Length from fore part of stem to after part of stern  
post on summer L.W.L. See Sec. 3 (1a) *444.96*  
Breadth (greatest moulded) *B 56.0*  
Depth, at middle of length from top of keel to top  
of beam at side of uppermost continuous  
deck. See Sec. 3 (1c) *D 29.33*  
1st Longitudinal Number (L x D) *(L=424) = 15828*  
2nd Numeral L x (B + D) *= 39572*  
Framing Depth "d," at middle of length. See  
Sec. 3 (1d) *25.70*  
Proportions—Depth to Length—Uppermost con-  
tinuous deck to top of keel *11.21*  
Do. Long Bridge to top  
of keel *25'-7"*  
Draught Moulded *25'-7"*Launched *June 10<sup>th</sup> 1937* Yard No. *237.*Builders *Wm Pickering & Sons Ltd*Owners *W. J. Tatem Ltd.*Managers  
(Where necessary to be entered in Reg. Book.)Residence *113-116 Butts Street Cardiff.*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.
MES, Spacing amidships	27	✓	Bracket Floors, Frame	6 3 1/2 - 34	✓
" " from 3/8 length to Collision bulkhead	27	✓	" " Reversed Frame	5 1/2 3 - 34	✓
" " in peaks	24	✓	" " Vertical Struts	5 1/2 3 - 34	✓
E FRAMING.			Centre Girder, depth and thickness amidships	43 1/2 - 54	✓
Frame Amidships, Angle, [ or ] <i>NBS</i>	12 x 4 x 4 - 50 + 56	✓	" " top Angles	3 1/2 3 1/2 - 48	✓
" " Extends up to	2 <sup>nd</sup> deck	✓	" " bottom Angles	5 5 - 54	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One - 36	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	45 3/8 - 52	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 6 - 44	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ] <i>NBS</i>	7 3 1/2 - 40	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6 x 6 - 44 + 46	✓
" " Second 'tween Decks, Angle, [ or ]	7 x 3 1/2 - 46 + 39	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	5 x 5 - 44 double	✓
" " Third " " "	6 x 3 1/2 - 36	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	3 1/2 3 1/2 - 46	✓
Framing in Peaks, Angle, [ or ] <i>NBS</i>	8 3 1/2 - 34	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	3 1/2 3 1/2 - 46 + 50	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	7/8 6 1/8	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	70 - 44	✓
State if Frame Joggled	No	✓	INNER BOTTOM PLATING.		
STIFFENING ARRANGEMENTS (Sec. 7), state system and particulars	Deep Frames 15 x 4 x 4 - 44 + 50 [ NBS. Increased shell - 59.	✓	Breadth and thickness of Middle Line Strake	54 - 52.	✓
LENGTHENING OF BOTTOM FOR- WARD. State Particulars	3 <sup>rd</sup> frames bottom shell increased - 63 + 67 Additional intercostals frames 5 x 5 - 46.	✓	Thickness of remainder in Holds	- 42.	✓
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?	<i>Yes</i>	✓
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	7 x 3 1/2 - 39 + 40	✓
Middle Line Keelson, on Floors, Angles, [ or ]			" " in way of Bridge, Angle, [ or ]	40 x 41 - 45	✓
" " Through Plate or Intercostal Plate			" " Spacing	8 x 3 1/2 - 32	✓
" " Foundation Plate on Floors			" " Spacing	27	✓
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, [ or ]	7 x 3 - 43 + 47	✓
Side Keelsons, No. each side			" " Spacing	7 x 3 - 51	✓
" " thickness of Intercostal Plate			" " Spacing	8 x 3 - 38	✓
" " Angles			Third Deck, amidships, Angle, [ or ]	27	✓
DOUBLE BOTTOM.			" " Spacing	✓	
Solid Floors, thickness and spacing	40 9'-0"	✓	Fourth Deck, amidships, Angle, [ or ]	✓	
" " Are Frame and Reversed Frame joggled?	Reverse frame <i>Yes.</i> Frame No.	✓	" " Spacing	✓	
Bracket Floors, breadth and thickness at middle line	33 - 40	✓	Poop Deck, Angle, [ or ]	✓	
" " breadth and thickness at margin plate	33 - 40	✓	" " Spacing	✓	
			Bridge Deck, Angle, [ or ]	✓	
			" " Spacing	✓	
			Forecastle Deck, Angle, [ or ]	8 3 - 46	✓
			" " Spacing	6 x 3 - 30	✓
				27 x 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.
<b>PILLARS, No. of Rows.....</b>				Stringer Plate, breadth and thickness in way of Bridge .....	✓		
"    in 'tween Deck, Size and Spacing <i>on C.F. 5</i>	3	35-29	and as	Thickness of Plating abreast Deck openings in way of <del>Wells</del> .....	37 1/2	32	✓
"    "    "    "    " <i>Plating</i>	26	38	approved.	Thickness of Plating abreast Deck openings in way of Bridge <i>2 x B. casing</i> .....	35		✓
"    "    "    "    "    "				Thickness of Plating within line of openings...	34 1/2	30	✓
"    in Holds    "    "			✓	If Sheathed, material and thickness .....	✓		
"    "    "    "    "    "			✓	<b>Third Deck.</b>			
<b>Centre Line Bulkhead.</b>				Stringer Plate, breadth and thickness.....	✓		
Stiffeners and Spacing <i>5 NBS</i>	11	3 1/2	and as	If Plated, state thickness.....	✓		
Plating, thickness of .....	54"	30	approved.	<b>Fourth Deck.</b>			
<b>STRINGERS AND DECKS.</b>				Stringer Plate, breadth and thickness.....	✓		
<b>Uppermost Continuous Deck.</b>				If Plated, state thickness .....	✓		
Stringer Plate, breadth and thickness <del>in Wells</del>	72"	62	✓	<b>Poop Deck.</b>			
"    "    "    "    in way of Bridge			✓	Stringer Plate, breadth and thickness .....	✓		
"    Angle <del>in Wells</del> .....	6	6	62 ✓	Plating, Sheathing, material and thickness ...	✓		
Thickness of Plating abreast Deck openings in way of <del>Wells</del> .....	58 1/2	46	✓	<b>Bridge Deck.</b>			
Thickness of Plating abreast Deck openings in way of Bridge <i>2 x B. casing</i> .....	47		✓	Stringer Plate, breadth and thickness.....	✓		
Thickness of Plating within line of openings...	40 1/2	36	✓	Plating, Sheathing, material and thickness ..	✓		
If Sheathed, material and thickness .....	2 1/2	O.P. over	after accom'd.	<b>Forecastle Deck.</b>			
<b>Second Deck.</b>				Stringer Plate, breadth and thickness.....	36		✓
Stringer Plate, breadth and thickness in Wells...	75	41	✓	Plating, Sheathing, material and thickness ..	34		✓

## 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 .....	52½	.79	.69	.69.		double	1	3¼	✓ 4	1	4	lapped.	
„ DBLG. (if any)	✓ 1-71 2-75 1-74												
BOTTOM PLATING, No. of of Strakes four.		.57	.67	.50.	Rule 61.	double.	7/8	3 3/8	✓ 4	7/8	3 1/2	do.	
BILGE PLATING, No. of Strakes .... One.	71½	.57	.50	.50		do.	7/8	3 3/8	✓ 4	7/8	3 1/2.	do	
SIDE PLATING, No. of Strakes four.	69	.57	.47	1-.46 3-.47		do.	7/8	3 3/8	✓ 3	7/8	3 1/16	do	
UPPER DECK, Sheer- strake in Wells .....	83½	.68.	.47	.47		do.	7/8	3 3/8	✓ 4	7/8	3 1/2	do.	
UPPER DECK, Sheer- strake in Bridge ...	✓												
STRAKE BELOW Sheer- strake in Wells .....	83½	.59	.47	.47.		double.	7/8	3 3/8	✓ 4	7/8	3 1/2	double.	
STRAKE BELOW Sheer- strake in Bridge ...	✓												
POOP SIDE PLATING .....	✓												
BRIDGE SIDE PLATING ...	✓												
FOREC'TLE SIDE PLATING			.42	✓		single	7/8	3 1/2.	✓ 2.	3/4.	2 5/8	lapped.	

## WATERTIGHT BULKHEADS.

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

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....		Flat	✓	
<b>STEM</b> .....		Rolls 10 x 2½	Consett Iron Co.	
<b>STERN FRAME</b> { Propeller Post .....		10½ x 8½	Walsingham	
		Casting 13 x 8¼	Steel Co.	
{ Rudder .....	✓			
<b>Speed of Vessel</b> .....		10 knots.	✓	
<b>RUDDER—Type</b> .....	"Twin" Forging		Foster & Sons.	
" A x D .....	Arms Cast Steel		Sunderland.	
" Diam. of head .....		7"	Forthing & Sons.	
" Mainpiece at top <u>pinle</u> .....		12"	Sunderland.	
" " heel ...		8½.	✓	
" how constructed .....	arms shrink on & keyed.		✓	
" double or single plate .....	double.		✓	
" coupling, vertical or horizontal .....	Horizontal.			

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
			N. B. S.			
MIDSHIP BULK'D,	Frames 94 + 100	✓	✓	✓	✓	
	Upper tween decks	✓	✓	✓	✓	
	Frames 72 + 103	✓	✓	✓	✓	
"	Second	✓	✓	✓	✓	
"	Frames 43 + 151	✓	✓	✓	✓	
"	Third	✓	✓	✓	✓	
"	Holds .....	✓	✓	✓	✓	
COLLISION	(in Hold) .....	✓	✓	✓	✓	
AFTER PEAK	" .....	✓	✓	✓	✓	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth* ✓  
*Cowsett Iron Co. So. Durham S & L Co. Dorman Long & Co.*  
*Skinner & Co. S & L Co. Appleby Farnborough Steel Co. Cargo Fleet S & L Co.*  
 Has the Steel been tested as required by the Rules? *Yes* ✓



EQUIPMENT No 40335 ✓										LETTER at ✓				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.				
37165	1st Bower ...	68	1	0	-	-	-	52	15	2	14	68	Stackless Byers	W. J. Byers & Co. Ltd. Sunderland.	15/5/37. J.H. Butler	
37164	2nd „ ...	68	1	0	-	-	-	52	15	2	14	68	do.	do.	" " "	
37053	3rd „ ...	58	3	21	-	-	-	47	15	0	0	58½	do.	do.	" 3/4/37 "	
	Collective weight.	195	1	21								194½				
96246	Stream .....	19	0	21	4	3	7	20	1	3	14		Ordman.	N. Hingley & Son. Netherthorpe.	8/5/37. J.A. Relf.	
96244	Kedge.	7	2	13	2	0	4	9	15	3	21		Ordman.	do	do	
CHAIN CABLES.															HAWSERS AND WARPS.	

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.	Ins.	Tons.	Length. Cir.	Ins.	
88531	135 2 5/16	96 1/4	13 3/4	362-2-8	720 3/4			270 2 5/16		Shank N. Hingley & Sons.	Netherthorpe. 6/5/37. J.A. Relf	TOWLINE...	TOWLINE...	120 4 3/4	64 1/2	120 4 3/4	120 4 3/4		
88534	135 2 5/16	96 1/4	13 3/4	362-2-26						do.	Netherthorpe. 11/5/37. J.A. Relf	HAWSERS & WARPS	HAWSERS & WARPS	4-90 3	18 1/2	2-90 2 3/4	2-90 2 3/4		
Iron Chain or Steel Wire	90 5			52-8				90 5		R. Hood Haggie & Son Ltd.									

Steering Gear, Steam *Donkin & Co.* Steering Gear, Hand *Donkin & Co.*

Boats *2-28' lifeboats* Telemotor. Windlass *Blake Chapman & Co.*

Boats *1-18' gig, 1-16' dinghy.* Steering Chains, Size and Test. *6" x 2" 9" spacing*

Ceiling in Holds, thickness and material ✓ Cargo Battens, thickness, material and spacing *6" x 2" 9" spacing*

Cargo Hatchways.—(Upper Deck) *Steel plates and angles.* Thickness of Hatches *2 7/8*

Size of No. 1 Hatchway (Forward) *31'6" x 22'6"* No. 2 *31'6" x 22'6"* No. 3 *31'6" x 22'6"* No. 4 *31'6" x 22'6"* No. 5 *31'6" x 22'6"* No. 6 ✓

Number of Shifting Beams and/or Fore and Afters *Five each hatch.*

FOR WM. PICKERSGILL & SONS, LIMITED.  
Builder's Signature *W. J. Pickersgill*  
Chairman & 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 *No* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

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 watertight doors have been satisfactorily tested. ✓

The vessel has proceeded to Hartlepool for the installation of machinery and completion of hull survey. ✓

The amount of Entry Fee ..... £ *9 : 0 : 0* Fees applied for, *19*

Special Survey Fee.... £ *336 : 5 : 0* Received by me, *13-10-37*

FREEBOARD *16 : 0 : 0*

Travelling Expenses, if any £ : : *14/10*

I am of opinion the Vessel should be Classed *+ 100A1*

State whether the Vessel has been built under Special Survey *yes* Signature *Jas. J. Rennie*

Certificate to be sent to *Sunderland* Date of issue *14/10/37* Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned *100 A1 with freeboard (on spec. 17738)*

*Lloyds Assoc + due 9.37 the 20-10*

*OK. twice kept (m)*

*Printed*

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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.)

The following plans, as built, are enclosed  
Midship section, Profile & Decks.  
Seven certificates of forgings & castings are also  
enclosed.

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

Corrus Stern.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	mts. qrs. lbs. (including pin)					
	1st Bower	44	1	0	H. C. R.	6382.
	2nd "	44	2	7	do.	W. H. H. 6184.
	3rd "	38	0	0	do.	W. H. H. 6185.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ 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 Dk (Stl) and Sheet Dk.

Official No. 165573; Signal Letters Is bottom of vessel coated with cement ☒ yes. if not give particulars of composition.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	136.75	379		Fore peak tank,	24.25	94.	
Double bottom, under Engines and Boilers,				After peak tank,	26.00	288.	
Double bottom, if under Engines only,	22.50	109.		Deep tank, aft,			
Double bottom, if under Boilers only, (Dry Tank)	20.25	702.6		Deep tank, forward,			
Double bottom, forward,	198	821		Other tanks, if fitted,			
Total capacity of double bottom 374.50			1309	(If necessary, furnish further information by sketch.)			

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

Order for Special Survey No. 5828

Date 3. 11. 36

Dates of Surveys held while building

1936 Dec. 21. 29. 1937 Jan. 4. 11. 15. 19. 26. 29. Feb. 5. 6. 10. 12. 16. 22. 24. 26. 29. Mch. 3. 9. 12.  
17. 19. 30. Apr. 1. 6. 8. 9. 13. 15. 19. 21. 23. 27. 29. May 4. 7. 10. 14. 19. 20.  
23. 25. 28. 29. June 2. 4. 7. 8. 10. 15. 17. 25. 28. July 6. 7. 9. 13. 21. 26. 28.

Total No. of Visits 60