

## STEEL STEAMER OR MOTORSHIP

Received at London Office 14 OCT 1941

State if Report has been sent on the Freeboard of the Vessel *yes*State if Report is sent on the Machinery of the Vessel *from H.M.C.*

Date of completion of report

14 October 1941

Port of

Sunderland

No. 33218

Survey held at

Sunderland

Date First Survey

10 Jan 41

Last Survey

30 Sept 1941

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

Single Screw

S.S. "EMPIRE WYCLIF"

Machinery Amidships

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

Intermediate between F.S. &amp; C.S.S.

State Type of Erections

Flush Deck

TONNAGE under

6529.48

CLASS + 100 A.I.

State if with freeboard

yes

Built at

Sunderland

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 420.00

Launched

28 July 41

Yard No. 467

Total

Breadth (greatest moulded)

B 56.67

Builders

Short Bros, Sunderland

Gross Tonnage

6966.30

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

D 36.83

Owners

Ministry of War Transport

Register Tonnage

4915.33

1st Longitudinal Number (L x D) = 15155

Managers

The Dene Shipping Co. Ltd.

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

2nd Numeral L x (B + D) = 38955

Residence Portfield House, Cardiff

REGISTERED DIMENSIONS.

FEET.

Length

427.5

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

11.40

Port of Registry

Sunderland.

Breadth

57.0

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

11.40

If surveyed while building, afloat, or in dry dock

Depth

34.3

Draught Moulded

26' 7 1/2"

During construction

## 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	31"	✓	Bracket Floors, Frame	6" x 3 1/2" x 7/16"	✓
" " from 1/2 length amidships to Collision bulkhead	27"	✓	" " Reversed Frame	6" x 3 1/2" x 5/16"	✓
" " in peaks	24"	✓	" " Vertical Struts	2@ 9" x 3 1/2" x 7/16"	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/2" x 54"	✓
Frame Amidships, Angle, [ or ]	12" x 4" x 1/2"	✓	" " top Angles	Double 4" x 4" x 1/2"	✓
" " Extends up to	2nd Deck and Upper Dk at H.E. Beam	✓	" " bottom Angles	Double 4" x 4" x 9/16"	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	one @ 38"	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	38" x 54"	✓
Depth of Framing Girder	12"	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2" x 3 1/2" x 7/16"	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	6" x 3 1/2" x 5/16"	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	3 1/2" x 3 1/2" x 7/16"	✓
" " Second 'tween Decks, Angle, [ or ]	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	16" x 42" fl 2 1/2" Continuous at No 2 hold 17" x 42" fl 2 1/2" Continuous at No 1 " 27 1/2" x 42" Continuous	✓
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	✓	
" " from 1/2 len. for'd. to 15% len. from Stem	15" x 4" x 7/16"	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	92 1/2" x 45"	✓
" " in Peaks, Angle or [	8" x 3 1/2" x 35"	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" @ 5 3/4"	✓	Breadth and thickness of Middle Line Strake	78" x 50"	✓
State if Frame Joggled	yes	✓	Thickness of remainder in Holds	45", 50" 1/4" plates	✓
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	✓
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 Walls, Angle, E or [	8" x 3 1/2" x 35"	✓
Floors, Depth and thickness at mid-line in Holds	✓		" " in way of Bridge, Angle, [ or ]	✓	
Height of Brackets at side above base line at toe of frame	✓		Spacing	every frame	✓
Middle Line Keelson, on Floors, Angles, [ or ]	✓		Second Deck, amidships, Angle, E or [	8" x 3 1/2" x 7/16"	✓
" " Through Plate or Intercoastal Plate	✓		Spacing	every frame	✓
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, [ or ]	✓	
" " Flat Plate Keel Angles	✓		Spacing	✓	
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, [ or ]	✓	
" " thickness of Intercoastal Plate	✓		Spacing	✓	
" " Angles	✓		Poop Deck, Angle, [ or ]	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	42" every 3rd	✓	Bridge Deck, Angle, [ or ]	✓	
" " Are Frame and Reversed Frame joggled?	yes	✓	Spacing	✓	
Bracket Floors, breadth and thickness at middle line	32 1/2" x 42"	✓	Forecastle Deck, Angle, [ or ]	✓	
" " breadth and thickness at margin plate	42"	✓	Spacing	✓	



## 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>	ONE ✓		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
„ in 'tween Decks, Size and Spacing.....	4" x 4" x 1/2" 62" ✓		Thickness of Plating abreast Deck openings in way of Wells .....	35" ✓	
„ „ „ „ „	✓		Thickness of Plating abreast Deck openings in way of Bridge .....	✓	
„ in Holds „ „	✓		Thickness of Plating within line of openings...	35" ✓	
„ „ „ „ „	✓		If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>	✓		<b>Third Deck.</b>		
Stiffeners and Spacing.....	12" x 3 1/2" x 45c62 ✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of .....	30 8 40 ✓		If Plated, state thickness.....	✓	
<b>STRINGERS AND DECKS.</b>			<b>Fourth Deck.</b>		
<b>Uppermost Continuous Deck.</b>			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	72" x 65" ✓		If Plated, state thickness .....	✓	
„ „ „ „ in way of Bridge	✓		<b>Poop Deck.</b>		
„ Angle in Wells .....	6" x 6" x 5/8" ✓		Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings in way of Wells .....	55" ✓		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge .....	✓		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	40" ✓		Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness .....	✓		Plating, Sheathing, material and thickness ...	✓	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	72" x 40" ✓		Stringer Plate, breadth and thickness.....	✓	
			Plating, Sheathing, material and thickness ...	✓	

## SHELL PLATING.

[illegible]

## WATERTIGHT BULKHEADS.

## FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—			
Extending to Upper Deck (Sec. 3 c)	7	1	
„ Deck next below	7	6	
As per Rule	7		

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks	25	5 x 3 x 3/8	27 1/2	✓	✓
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds No. 96	50-30	15 x 4 x 4 x 7/16	31 1/4	✓	✓
COLLISION „ (in Hold) No. 160	50-30	9 x 3 1/2 x 45	24	F.P. TANK TOP BEAMS	825B
AFTER PEAK „ „ No. 14	44-30	9 x 3 1/2 x 45	24	RECESS TOP I.S.B. BEAM	8

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓			
STEM	Rolled M.S. 10 x 2 1/2 ✓			
STERN FRAME	Propeller Post	M.S. fabricated as per Dorman		
	Rudder	approved plan Long. ✓		
Speed of Vessel	11 knots ✓			
RUDDER—Type	Ordinary			
„ A x D	357 ✓			
„ Diam. of head	10" ✓			
„ Mainpiece at top pintle	11" ✓			
„ „ heel	7 1/2			
„ how constructed	Fabricated ✓			
„ double or single plate	Double ✓			
„ coupling, vertical or horizontal	Vertical ✓			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*  
*Dorman Long, Cossett, Appleby Fordingham, Stewart & Lloyds, South Durham, Gange Gleet*  
*Skinneringrove.*  
Has the Steel been tested as required by the Rules? *yes.*

Has the Steel been tested as required by the Rules?



EQUIPMENT No 39642											LETTER a†	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.					
40711	1st Bower ...	68	2	21	✓	✓		53	1	3	14	68	Stockless	W.L. Byers 80	L.P.H.S. 18.4.41 W.U.N.	
40807	2nd „ ...	68	0	21	✓	✓		52	15	2	14	68	do.	do	L.P.H.S. 12.5.41 W.U.N.	
	3rd „ ...											58½				
	Collective weight.											194½				
99721	Stream .....	19	0	24	✓	4	3	25	20	1	3	14	19	Iron stock	S. Taylor 85m.	L.P.H.N. 3-4-41 J.A.R.

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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Length.	Chr.		Tons.	Fathoms.	Chr.	
116104	225 <sup>1</sup> / <sub>2</sub>	2	100 <sup>16</sup> / <sub>32</sub>	14 <sup>3</sup> / <sub>32</sub>	488-3-12	720 <sup>3</sup> / <sub>4</sub>	270	2 <sup>5</sup> / <sub>16</sub>	Tayco	S Taylor	L.P.H.N. 31-3-41 J.A.R.	TOWLINE...	120	4 <sup>3</sup> / <sub>4</sub>	64.6	120	4 <sup>3</sup> / <sub>4</sub>		
116249	15	2	do.	do.	31-3-14				do.	do.	L.P.H.N. 21-5-41 J.A.R.	HAWSERS (& WARPS)	2e 90	2 <sup>3</sup> / <sub>4</sub>	15.2	2e 90	2 <sup>3</sup> / <sub>4</sub>		
116250	15	2	do.	do.	31-3-14				do.	do.	L.P.H.N. 21-5-41 J.A.R.		2e 90	2 <sup>3</sup> / <sub>4</sub>	15.2	2e 90	2 <sup>3</sup> / <sub>4</sub>		
116251	15	2	do.	do.	31-3-21				do.	do.	L.P.H.N. 21-5-41 J.A.R.		"	2e 90	2 <sup>1</sup> / <sub>2</sub>	13.2	2e 90	2 <sup>1</sup> / <sub>2</sub>	
Iron Stream <del>Cable</del> or Steel Wire	90	4 <sup>3</sup> / <sub>4</sub>		64.6			90	5				"							

Steering Gear, Type (Power ~~or hand~~) *DONKIN.* Alternative Means of Steering *Block & Tackle for after which 1-26 ft Motor Lifting*

Steering Chains (Size and Test) *Telemotor* Windlass *Clarke Chapman* Boats *2-18 ft, 1-26 ft lifeboats*

Ceiling in Holds, thickness and material *2½ W.W. at bilges only* Cargo Battens, thickness, material and spacing *Not fitted, cleats supplied.*

Cargo Hatchways.—(Upper Deck) *Steel plates and angles (Keith)* Thickness of Hatches *2⅞ at No 3 otherwise 2⅝*

Size of Hatchways No. 1 (Fwd.) *36' x 20'* No. 2 *36' 2" x 20'* No. 3 *25' 10" x 20'* No. 4 *36' 2" x 20'* No. 5 *36' 2" x 20'* No. 6 ✓

Number of Shifting Beams *5* *5* *2* *5* *5* ✓

Builder's Signature *FOR SHORT BROTHERS, LIMITED;*  
*Georg. A. Short.* 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 (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 Society's rules. The material and workmanship are good.*

*The double bottom and fore and after peak tanks have been tested under water pressure and found good. The decks, both upper and second, bulkheads, tunnel, W.T. doors, and ash chute, have been hose tested as required by the rules and found satisfactory.*

*The steering gear, secondary means of steering, & windlass, have been tested under working conditions, whilst moored in the river. The bilge suction and hand pump have been tested and found good.*

*No cargo battens have been fitted, but cleats have been supplied.*

*The third bower anchor has not been supplied.*

*Hatch covers omitted on 2nd deck, except at No 3 hatch.*

*The freeboard markings have been verified and cut in on the vessel's sides.*

The amount of Entry Fee ..... £ 10 : - : - Fees applied for, (Special notations, where part of class, to be stated.)

*Freeboard* 17 - - - *2 OCT 1941*

Special Survey Fee.... £ 374 : 3 : - Received by me, I am of opinion the Vessel should be Classed *+ 100 A.I.*

*Specification* *9 OCT 1941* *(with freeboard)*

*Travelling Expenses, if any* £ 93 : 10 : 9

State whether the Vessel has been built under Special Survey *yes* Signature *Wm. Wilson* *Wm. L. Hullis*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *SUNDERLAND* Date of issue *12/11/41*

Committee's Minute *17 OCT 1941*

Character assigned *+ 100 A.I.*

*With freeboard*

*Lloyd's Arch.*

*White Note*

*note for S.R.L.*

*10064 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.)

SISTER VESSELS:—

S.S. "EMPIRE LIGHTNING"	SLD. RPT. No 33020
S.S. "EMPIRE SUMMER"	SLD. RPT. No 33098
S.S. "EMPIRE SUN"	SLD. RPT. No 33120
SS "EMPIRE BURTON"	SLD. RPT. No 33162

PARTICULARS OF ELECTRIC WELDING (if employed)

W.T. Bulkhead stiffener brackets to tank top, tank side gussets to tank top, & bulkheads to tank top, fore and after peak tank top to shell, tunnel recess top to shell, ventilator coamings to deck.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book *Lloyds A.B.C.P.; Cruiser Stern; D.F.*  
"Six divisional W.T. Bldgs. in 'tween decks"

Particulars of <i>including pins</i> Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	45-2-14	J.D.	3468	6-1-41
	2nd "	44-0-21	J.D.	3503	25-1-41
	3rd "				

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 ☒

Official No. **168923** Signal Letters ☒ Extreme Breadth over Belting ☒ Over-all Length **439.8 feet**  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks **2 Decks (steel)**

Parts of Bottom of Vessel coated with cement or approved composition **Cement in Double bottom tanks, Peak tanks, and bilges except Boiler Room bilge. Bitumastic in B.R. bilge.**

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,	126.6	356	Fore peak tank,	21.5	100
Double bottom, under Engines and Boilers,	49.1	238	After peak tank,	28.0	240
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	182.1	719	Other tanks, if fitted,	✓	✓
Total length (if continuous) and Capacity	357.8	1313	(If necessary, furnish further information by sketch.)	✓	✓

Order for Special Survey No **5979**

Date **27.3.41**

Dates of Surveys held while building

1941. Jan. 10, 11. Feb. 6, 27, 28. Apr. 14, 15, 21, 22, 29. May 1, 2, 5, 6, 7, 9, 12, 13, 16, 19, 22, 27, 28, 30. June 3, 4, 5, 6, 10, 17, 20, 23, 25, 27. July 8, 9, 10, 11, 14, 15, 17, 18, 21, 22, 23, 24, 25, 28, 29, 30, 31. Aug. 1, 5, 6, 11, 12, 13, 14, 15, 19, 21, 22, 25, 26, 27, 28. Sep. 4, 11, 24, 26, 29, 30.

Total No. of Visits **73**