

## STEEL STEAMER or MOTORSHIP

Received at London Office 12 AUG 1925

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 *11th August 1925* Port of *Sunduland* No. *29114*Survey held at *Sunduland* Date First Survey *27 Feb. 1925* Last Survey *4 August 1925*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single Screw Steamer "FIREGLOW" (Machinery Aft)*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling* State Type of Erections *Raised Quarter Deck, Short Bridge, Bunk Forecastle*TONNAGE under Tonnage Deck... *966.38* CLASS *X100A1* State if with freeboard as condition of Class *No* Built at *Sunduland*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 224.7* Launched *19th June 1925* Yard No. *309*Total *966.38* Breadth (greatest moulded) *B 35.75* Builders *S. P. Austin & Son Ltd.*Gross Tonnage *1260.90* Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 17.29* Owners *Gas Light & Coke Co.*Register Tonnage *674.74* 1st Longitudinal Number (L x D) *= 3885* Managers *Stephenson Blake & Co. Ltd.*2nd Numeral L x (B + D) *= 11918* (Where necessary to be entered in Reg. Book.)REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) *UPPER DK. 13.89* Residence *487. Dunstan's Alley, London (E.C. 6)*Length *225.00* Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.99* Port of Registry *London*Breadth *36.00* Do. *Long Bridge to top of keel* *10.85* If surveyed while building, afloat, or in dry dockDepth *15.30* Draught Moulded *15.62* *Building & afloat.*

## 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 .....				
" " from 1/2 length to Collision bulkhead.....	27		✓		" " Reversed Frame .....				
" " in peaks.....	23		✓		" " Vertical Struts .....				
SIDE FRAMING.					Centre Girder, depth and thickness amidships	32 1/2		40	✓
Frame Amidships, Angle, <i>See</i> [UPPER DK. 7 3 46 ✓ R. Q. R. DK. 8 3 48 ✓]					" " top Angles <i>SINGLE</i>	3	3	38	✓
" " Extends up to <i>Upper Rains Quarter Decks</i>					" " bottom Angles <i>SINGLE</i>	3 1/2	3 1/2	40	✓
Reversed Frame Amidships, Angle .....	✓		✓		Side Girders, No. each side and thickness	ONE		30	✓
" " Extends up to .....	✓		✓		BREADTH				
Depth of Framing Girder.....	8 (NEAR)		✓		Margin Plate depth (excl. of flange) and thickness	36		40	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [ or [	✓		✓		" <i>HORIZONTAL</i> Angle to Tank side Bracket abaft 1/2 len. from stem	3	3	32	✓
" " Second 'tween Decks, Angle, [ or [	✓		✓		" <i>HORIZONTAL</i> Angle to Tank side Bracket forward 1/2 len. from stem <i>(DOUBLE)</i>	3	3	32	✓
" " Third " " " "	✓		✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem			✓	
Framing in Peaks, Angle <i>See</i>	6 3 40		✓		" " Gussets, spacing and scantling forward 1/2 len. from stem			✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	3/4 5 1/2 9 1/2		✓		Tank Side Brackets, height above base line at toe of Frame and thickness	59		36	✓
State if Frame Joggled .....	710		✓		INNER BOTTOM PLATING.				
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Deep framing, 1/2 inch stringers as approved.</i>		✓		Breadth and thickness of Middle Line Strake	42 1/2		50	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars .....	<i>Double frames, Midship Shell, thickness main - 1/2 inch, 1/4 inch, 1/8 inch, 1/16 inch, 1/32 inch, 1/64 inch, 1/128 inch, 1/256 inch, 1/512 inch, 1/1024 inch, 1/2048 inch, 1/4096 inch, 1/8192 inch, 1/16384 inch, 1/32768 inch, 1/65536 inch, 1/131072 inch, 1/262144 inch, 1/524288 inch, 1/1048576 inch, 1/2097152 inch, 1/4194304 inch, 1/8388608 inch, 1/16777216 inch, 1/33554432 inch, 1/67108864 inch, 1/134217728 inch, 1/268437256 inch, 1/536874512 inch, 1/1073749024 inch, 1/2147498048 inch, 1/4294996096 inch, 1/8589992192 inch, 1/17179984384 inch, 1/34359968768 inch, 1/68719937536 inch, 1/137439875072 inch, 1/274879750144 inch, 1/549759500288 inch, 1/1099519000576 inch, 1/2199038001152 inch, 1/4398076002304 inch, 1/8796152004608 inch, 1/17592304009216 inch, 1/35184608018432 inch, 1/70369216036864 inch, 1/140738432073728 inch, 1/281476864147456 inch, 1/562953728294912 inch, 1/1125907456589824 inch, 1/2251814913179648 inch, 1/4503629826359296 inch, 1/9007259652718592 inch, 1/18014519305437184 inch, 1/36029038610874368 inch, 1/72058077221748736 inch, 1/144116154443497472 inch, 1/288232308886994944 inch, 1/576464617773989888 inch, 1/1152929235547979776 inch, 1/2305858471095959552 inch, 1/4611716942191919104 inch, 1/9223433884383838208 inch, 1/18446867768767676416 inch, 1/36893735537535352832 inch, 1/73787471075070705664 inch, 1/147574942150141411328 inch, 1/295149884300282822656 inch, 1/590299768600565645312 inch, 1/1180599537201131290624 inch, 1/2361199074402262581248 inch, 1/4722398148804525162496 inch, 1/9444796297609050324992 inch, 1/18889592595218100649984 inch, 1/37779185190436201299968 inch, 1/75558370380872402599936 inch, 1/151116740761744805199872 inch, 1/302233481523489610399744 inch, 1/604466963046979220799488 inch, 1/1208933926093958441598976 inch, 1/2417867852187916883197952 inch, 1/4835735704375833766395904 inch, 1/9671471408751667532791808 inch, 1/19342942817503335065583616 inch, 1/38685885635006670131167232 inch, 1/77371771270013340262334464 inch, 1/154743542540026680524668928 inch, 1/309487085080053361049337856 inch, 1/618974170160106722098675712 inch, 1/1237948340320213444197351424 inch, 1/2475896680640426888394702848 inch, 1/4951793361280853776789405696 inch, 1/9903586722561707553578811392 inch, 1/19807173445123415107157622784 inch, 1/39614346890246830214315245568 inch, 1/79228693780493660428630491136 inch, 1/158457387560987320857260982272 inch, 1/316914775121974641714521964544 inch, 1/633829550243949283429043929088 inch, 1/1267659100487898566858087858176 inch, 1/2535318200975797133716175716352 inch, 1/5070636401951594267432351432704 inch, 1/10141272803903188534864702865408 inch, 1/20282545607806377069729405730816 inch, 1/40565091215612754139458811461632 inch, 1/81130182431225508278917622923264 inch, 1/162260364862451016557835245846528 inch, 1/324520729724902033115670491693056 inch, 1/649041459449804066231340983386112 inch, 1/1298082918899608132462681966772224 inch, 1/2596165837799216264925363933544448 inch, 1/5192331675598432529850727867088896 inch, 1/10384663351196865059701455734177792 inch, 1/20769326702393730119402911468355584 inch, 1/41538653404787460238805822936711168 inch, 1/83077306809574920477611645873422336 inch, 1/166154613619149840955223291746844672 inch, 1/332309227238299681910446583493689344 inch, 1/664618454476599363820893166987378688 inch, 1/1329236908953198727641786333974757376 inch, 1/2658473817906397455283572667949514752 inch, 1/5316947635812794910567145335899029504 inch, 1/10633895261625589821134290671798059008 inch, 1/21267790523251179642268581343596118016 inch, 1/42535581046502359284537162687192236032 inch, 1/85071162093004718569074325374384472064 inch, 1/170142324186009437138148650748768944128 inch, 1/340284648372018874276297301497537888256 inch, 1/680569296744037748552594602995075776512 inch, 1/1361138593488075497105189205990151553024 inch, 1/2722277186976150994210378411980303106048 inch, 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1/24520093049729991368174910828948627519739537247348719616 inch, 1/49040186099459982736349821657897255039479074494697439232 inch, 1/98080372198919965472699643315794510078958148989394878464 inch, 1/196160744397839930945399286631589020157916297978789756928 inch, 1/392321488795679861890798573263178040315832595957579513856 inch, 1/784642977591359723781597146526356080631665191915159027712 inch, 1/1569285955182719447563194293052712161263330383830318055424 inch, 1/3138571910365438895126388586105424322526660767660636110848 inch, 1/6277143820730877790252777172210848645053321535321272221696 inch, 1/12554287641461755580505554344421697290106643070642544443392 inch, 1/25108575282923511161011108688843394580213286141285088886784 inch, 1/50217150565847022322022217377686789160426572282570177773568 inch, 1/100434301131694044644044434755373578320853144565140355547136 inch, 1/200868602263388089288088869510747156641706289130280711094272 inch, 1/401737204526776178576177739021494313283412578260561422188544 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1/107840509689310427706033702111283819787639712681509492181190326616064 inch, 1/21568101937862088</i>								

# 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</b> , No. of Rows.....	Two in fore-castle one in bridge			Stringer Plate, breadth and thickness in way of Bridge .....	✓		
„ in 'tween Decks, Size and Spacing.....	2 1/2 x 46 2 1/2 x 54			Thickness of Plating abreast Deck openings in way of Wells.....	32	✓	
„ „ „ „ „				Thickness of Plating abreast Deck openings in way of Bridge .....	✓	✓	
„ in Holds „ „	Large track in line			Thickness of Plating within line of openings.....	30		
„ „ „ „ „				If Sheathed, material and thickness .....	Sheathed with 2 1/2 in. P. in way of accomp.		
<b>Centre Line Bulkhead.</b> Stiffeners and Spacing.....				<b>Third Deck.</b> Stringer Plate, breadth and thickness.....			
Plating, thickness of .....				If Plated, state thickness.....			
<b>STRINGERS AND DECKS.</b> <b>Uppermost Continuous Deck.</b> Stringer Plate, breadth and thickness in Wells.....	7 1/2 x 60 - 48			<b>Fourth Deck.</b> Stringer Plate, breadth and thickness.....			
„ „ „ „ in way of Bridge.....	7 1/2 x 60			If Plated, state thickness .....			
„ Angle in Well.....	6 6 54			<b>Poop Deck.</b> Stringer Plate, breadth and thickness .....			
Thickness of Plating abreast Deck openings in way of Well.....	STRINGER PLATE AT HATCH SIDES			Plating, Sheathing, material and thickness .....			
Thickness of Plating abreast Deck openings in way of Bridge .....	✓			<b>Bridge Deck.</b> Stringer Plate, breadth and thickness.....	38	30	
Thickness of Plating within line of openings.....	34 - 30			Plating, Sheathing, material and thickness .....	26	2 1/2 PP	
If Sheathed, material and thickness .....	Sheathed with 2 1/2 in. P. in way of accomp.			<b>Fore-castle Deck.</b> Stringer Plate, breadth and thickness.....	22	30	
<b>RAISED QUARTER</b> <b>Second Deck.</b> Stringer Plate, breadth and thickness in Wells.....	68 x 42 - 34			Plating, Sheathing, material and thickness .....	30	SHEATHED IN WAY OF WINDLASS WITH 3 PP.	

## 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. Diam. Spacing cr. to cr.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.	
FLAT PLATE KEEL .....	42	51	47	47		Double	7/8 3 3/8	3R full L	7/8 3 3/8		Shapped
„ DBLG. (if any) .....	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes 3.....		45	45	41		—	3/4 3	3R - 3/4 L	3/4 2 5/8		Lapped
BILGE PLATING, No. of Strakes 2.....		45	41	41		—	—	3R - 1/2 L	—	—	—
SIDE PLATING, No. of Strakes 2.....		45	41	41		—	—	2R full L	—	—	—
UPPER DECK, Sheer-strake in Well.....	46	54	45	✓		—	7/8 3 3/8	4R + 3R	7/8 3 1/2 x 3 1/2		—
UPPER DECK, Sheer-strake in Bridge.....	46	54	40	✓	37 forward	—	3/4 3	3R full L	7/8 x 3/4 3 1/2 x 2 5/8		—
UPPER DECK, STRAKE BELOW SHEER-strake.....	FOR 49	48	41	✓		—	3/4 3	3R - 2R	3/4 2 5/8		—
UPPER DECK, STRAKE BELOW SHEER-strake.....	AFT 48 1/2	45	✓	41		—	—	2R full L	—	—	—
RAISED QUARTER DECK SHEER-strake.....	46	47	✓	41		—	—	3R - 2R	—	—	—
RAISED QUARTER DECK SHEER-strake.....	BREAK. 60	✓	✓	41		—	—	3R - 2R	—	—	—
POOP SIDE PLATING.....	42 1/2	48	✓	41		✓	✓	3R - 2R	—	—	—
BRIDGE SIDE PLATING .....	✓	30	✓	✓		Single	3/4 3	1R full L	—	—	—
FORECASTLE SIDE PLATING .....	✓	✓	30	✓		—	—	—	—	—	—

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel— 5</b>				
Extending to Upper Deck (Sec. 3 c) .....	2 to upper decks 1 to fore-castle deck 2 to raised quarter deck			
„ Deck next below .....				
As per Rule 4 .....				
	Plating Thickness.	STIFFENERS.		
		VERTICAL.	HORIZONTAL.	
		Scantlings, Spacing.	Scantlings, Spacing.	
<b>MIDSHIP BULKHEAD</b> , Upper tween decks .....				
„ „ Second „ .....				
„ „ Third „ .....				
„ „ Holds (DEEP TANK) .....	34 - 30	9 x 3 x 48	24	✓
<b>COLLISION</b> „ (in Hold) .....	30	6 x 3 x 37	24	✓
<b>AFTER PEAK</b> „ „ .....	30	6 x 3 x 38	24	✓
		6 x 3 x 34	24	✓

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL</b> , Bar .....				Flat plate keel.
<b>STEM</b> .....				Rolled steel bar 7 x 1 1/4
<b>STERN FRAME</b> { Propeller Post .....				Iron 6 1/2 x 4 1/2
{ Rudder „ .....				Forging 6 x 4 1/2
<b>RUDDER—A x D</b> .....		155.07	Eng. Co. Ltd.	
<b>Speed of Vessel</b> .....		Under 10 knots.		
<b>RUDDER</b> mainpiece at head .....	Iron	6		
„ „ heel .....	Forging	4 1/2		
„ how constructed .....				Forged & built.
„ double or single plate coupling, vertical or horizontal.....	✓	Single		

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <u>Open Hearth Process.</u>	
<b>STEEL.</b> <u>Steel plates.— Souths Dunham Steel Co; Bolekow Vaughan &amp; Co.</u>	
<u>Steel angles.— Cargo Flat Iron Co; Bolekow Vaughan &amp; Co.</u>	
Has the Steel been tested as required by the Rules? <u>Yes.</u>	



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.)

Forging Reports of Stem Frame, Rudder & Stem Bar are also enclosed, together with Midship Section & Profile & Deck as built.

Please return plans for reference in dealing with the sister vessel.

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

1st Bower 17.0.0; K.H.; 3484; 28.5.25.  
2nd " 16.1.14; M.B.; 2474; 19.5.25.  
3rd " 14.3.0; K.H.; 3485; 28.5.25.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 126.75 ft., Bridge 15.75 ft., Forecastle 23.70 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1-dk (34).

Official No. 148642; Signal Letters ✓ Is bottom of Vessel coated with cement ✓ 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,	74.25	170		Fore peak tank,	23.5	133	
Double bottom, under Engines and Boilers,	✓	✓		After peak tank,	11.5	23	
Double bottom, if under Engines only, (AFT).	20.25	32		Deep tank, AMIDSHIPS.	9.0	154	
Double bottom, if under Boilers only,	✓	✓		Deep tank, forward,	✓	✓	
Double bottom, forward,	63.00	133		Other tanks, if fitted,	✓	✓	
	Total capacity of double bottom	335		(If necessary, furnish further information by sketch.)			

\* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 5596

Date

18.2.25

Dates of Surveys held while building

1925. Feb. 27. Mar. 4. 12. 17. 24. 31. Apr. 29. 17. 21. 23. 28. 29. May. 1. 4. 8. 11. 14. 19. 20. June 4. 5. 10. 12. 15. 16. 17. 19. 23. 26. July. 3. 6. 9. 16. 20. 21. 24. Aug. 4

Lloyd's Register Foundation

Total No. of Visits 39