

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London on **WED. JUL 30 1924**

Date of completion of report  
Survey held at

**22<sup>nd</sup> July 1924.**

Port of **GLASGOW.**

Date, First Survey

**19<sup>th</sup> April, 1923**

Last Survey

**18<sup>th</sup> July**

**1924.**

**TWIN SCREW.**

**TAKLIWA.**

Rig

**Schooner.**

**43851**

On the (State if Single, Twin, or Triple Screw)

**TONNAGE under 5878.65**

Do. between Tonnage Dk. and 3rd and 4th Dk.

**Total under Upper Dk. 5878.65**

Do. of Poop

Do. of R.Q.Dk.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Deck

Do. of excess of Hatchways

Do. above Crown of

Engine Room

**Gross Tonnage 7935.88**

Less Crew Space

Less above Crown of

Engine Room

**TONNAGE FOR FEES.. 3611.32**

Less Engine Room

Less Navigation Spaces

**Register Tonnage 3742.13**

as cut on Beam

**CLASS +100A1 WITH FREEBOARD.**

Breadth (greatest moulded) **60' 0"**

Depth, at middle of length from top of keel to top of

**1st upper deck beams at side 41' 0"**

Transverse Number **L x P 18434**

Length on deck from fore part of stem to after part of

**stern post 449.6**

Longitudinal Number **45410**

Depth "d," at middle of length (See Secs. 2 & 13) **21.16**

Proportions—Depths to Length—Upper Deck Beam at

**side to top of keel 10.94**

" " Long Bridge Deck

**Beam at side to top of keel 9.17**

Destined Voyage **Huddersburgh**

Built at **Whiteinch.**

When built **1924**

Launched **19<sup>th</sup> May 1924**

By whom built **Messrs Barclay Curie & Co. Ltd.**

Owners **British India S.N. Coy. Ltd.**

Managers

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

Residence **London**

Port belonging to **London**

If Surveyed while Building, Afloat, or in Dry Dock **Yes.**

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
<b>449</b>	<b>7</b>		<b>60</b>	<b>0</b>		<b>49</b>	<b>0</b>		<b>3</b>
						<b>29</b>	<b>7 3/4</b>		<b>3</b>

Dimensions of Ship per Register, Length **450.6** breadth **60.25** depth **29.65**

Moulded depth, ft. **49** ins. **0** To Bridge Dk. Round of Upper Dk. Beam, Actual **6** ins.

Moulded depth, ft. **41** ins. **0** To Upper Dk.

**FRAMING.**

FRAME, Angles, or E or L Bars amidships **8 1/2 3 1/2 44 8 1/2 3 1/2 44**

Do. in peaks **8 1/2 3 1/2 44 8 1/2 3 1/2 44**

Do. in way of Double Bottoms at Solid Floors **4 3 1/2 49 4 3 1/2 49**

" " at intermdt. Bkts. **36**

Spacing of Frames from centre to centre amidships **27**

" " length to Collision bulkhead **24**

" " in peaks **24**

**REVERSED FRAME, Angles 8 1/2 3 1/2 46 8 1/2 3 1/2 46**

Do. in way of Double Bottoms at Solid Floors **4 3 1/2 49 4 3 1/2 49**

" " at intermdt. Bkts. **36**

**FRAMING, depth of girder 12 3/4**

**FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships 12 3/4**

" in way of Engine and Boiler Spaces **12 3/4**

" thickness at the ends of vessel **12 3/4**

" depth at 1/2 the half breadth, as per Rule **12 3/4**

" height extended at the Bilges **12 3/4**

**FLOORS in Cell. Double Bottoms 46 56 BR 46 56 BR**

" state if flanged (top & bottom) **Flanged on top exc. Eng Room & Ford**

" Spacing of Solid floors **36**

**CENTRE GIRDER, in Dbl. bottom, dpth. & thknss 46 1/2 63 67 46 1/2 63 67**

" Angles, Top **double 3 1/2 3 1/2 57 3 1/2 3 1/2 57**

" Bottom **double 5 5 67 5 5 67**

" to Floors **3 1/2 3 1/2 49 3 1/2 3 1/2 49**

Brackets at intermdt. frmg., wdth & thknss **79"**

**SIDE GIRDERS, number on each side & thickness 200 45 55 BR 200 45 55 BR**

" state if flanged (top and bottom) **No**

" B. Angles (top and bottom) **9 3 1/2 54 9 3 1/2 54**

" to Floors **7 3 1/2 42 7 3 1/2 42**

**MARGIN PLATE, depth (exclusive of flange) 41 1/2 57 61 BR 41 1/2 57 61 BR**

" and thickness **3 1/2 3 1/2 57 3 1/2 3 1/2 57**

" Angle to Outside Plating **3 1/2 3 1/2 49 3 1/2 3 1/2 49**

" Floors **3 1/2 3 1/2 49 3 1/2 3 1/2 49**

Brackets at intermdt. frmg., wdth & thknss **79"**

**INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake 56 1/2 x 57 56 1/2 x 57**

" in Engine and Boiler space **57 ER 62 BR 57 ER 62 BR**

" Remainder in Holds **50 44 50 44**

**BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel 9 3 1/2 44 9 3 1/2 44**

" In way of Long Bridge **36**

Spacing **36**

**BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel 9 3 1/2 44 9 3 1/2 44**

" Spacing **36**

**BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel 10 3 1/2 54 10 3 1/2 54**

" Angles on upper edge **11 3 1/2 64 11 3 1/2 64**

Spacing **36 + 48"**

**BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel 9 3 1/2 44 9 3 1/2 44**

" Angles on upper edge **36**

Spacing **36**

**BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel 9 3 1/2 44 9 3 1/2 44**

" Angles on upper edge **36**

Spacing **36**

**BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel 11 3 1/2 50 11 3 1/2 48**

" Angles on upper edge **54 48**

Spacing **54 48**

**PILLARS.**

**PILLARS In 'tween Deck, size and spacing**

" Hold **wide spaced**

" Quarter 'tween Dks., **pillars and girders as per approved plans.**

" in Hold **as per approved plans.**

**KEELSONS & STRINGERS.**

**CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate**

" Rider Plate **Flat Plate Keel Angles**

" Horizontal Plates on Floors **Angles or Bulb Angles**

" Angles or Bulb Angles **Plate above floors, for length**

**SIDE KEELSONS, Number**

" Angles or Bulb Angles **Intercoastal Plate, for length**

" Plate above floors, for **Attached to outside Plating with Angle**

**BILGE KEELSON, Angles**

" Intercoastal Plate for **Attached to outside Plating with Angle**

**SIDE STRINGERS, Number**

" Angle **Intercoastal Plate, for length**

" Intercoastal Plate, for **Attached to outside plating with Angle**

**Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge) 64 1/2 x .66 64 1/2 x .66**

" " " " (clear of Bridge) **64 1/2 x .43 64 1/2 x .43**

" " " " (in way of Bridge) **6 x 6 x .66 6 x 6 x .66**

" " " " Angle (clear of Bridge) **BETW HATCHES 10 1/2 x .35**

" Deck \* Iron or Steel, for **Full lng 40**

" Thickness (clear of Bridge) **44 36 44 36**

" " " " (in way of Bridge) **41**

" Wood Deck, Material & thickness **5 x 2 1/2 TEAK + OR PINE**

**Second Deck Stringer Plate, br'dth & thickness 75 x .38 75 x .38**

" Angles on ditto, No. **2 3 1/2 x 3 1/2 45 3 1/2 x 3 1/2 45**

" Tie Plates outside Hatchways **and 3 x 3 x .40 3 x 3 x .40**

" Deck \* Iron or Steel, for **Full lng 41, 35, 32 41, 35, 32**

" Wood Deck, Material & thickness **5 x 2 1/2 P.P. and 07 Pine**

**Third Deck Stringer Plate, br'dth & thickness 72 x .38 72 x .38**

" Angles on ditto, No. **2 3 1/2 x 3 1/2 45 and 3 x 3 x .40**

" Tie Plating outside Hatchways **37 x 32 37 x 32**

" Deck \* Material and thickness **37 x 32 37 x 32**

**Fourth and Fifth Deck Stringer Plate, breadth & thickness**

" Angles on ditto, No. **36**

" Tie Plates outside Hatchways **36**

" Deck, Material & thickness **36**

**Poop Deck Stringer Plate, breadth & thickness**

" Angle on ditto **36**

" Tie Plates **36**

" Deck, Material and thickness **36**

**Bridge Deck Stringer Plate, br'dth & thickness 64 x .50 64 x .50**

" Angle on ditto **5 x 5 x .40 5 x 5 x .40**

" Tie Plating **40 40**

" Deck, Material and thickness **5 x 2 1/2 TEAK and 07 Pine**

**Forecastle Deck Stringer Plate, br'dth & thickness 36 x .38 36 x .38**

" Angle on ditto **3 1/2 x 3 1/2 38 3 1/2 x 3 1/2 38**

" Tie Plating **36 40 (windlass) 36 40**

" Deck Material and thickness **10" x 4" under windlass**

\* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.



[illegible]



EQUIPMENT No. 48236		LETTER dT		ANCHORS.		TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS											
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.	qrs.				lbs.
86294	1st Bower ...	82	1	20	82	1	20	60	0	0	0	81	1	0	Halls Patent.	N. Hingley.	Neth. 2/5/23 H. Green.
86168	2nd " ...	80	1	14	80	1	14	59	0	0	0	81	1	0	Halls Patent.	N. Hingley.	Neth. 25/6/23 H. Green.
86457.	3rd " ...	70	2	21	70	2	21	54	5	0	0	69	2	0	Halls Patent.	N. Hingley.	Neth. 16/8/23 H. Green.
	4th " ...	233	1	27								232	0	0			
86557.	Collective weight.	23	2	0	5	3	21	23	10	0	0	23	2	0	Ordinary.	N. Hingley.	Neth. 27/9/23 H. Green.
	Stream .....																

Patent state Name of Patentee

22/2/23

Useless, state Mechanical Tests.

Particulars of Drop Test of Cast Steel Anchors, viz.:-		1st Bower	58: 0: 26	: K.H:	2631	: 22/3/22.
Weight. Surveyor's Initials, Certificate, Date		2nd "	53: 2: 12	: K.H:	2637	: 28/3/22.
		3rd "	47: 1: 12	: J.Q:	38	: 8/3/22.
		4th "				

CHAIN CABLES.										HAWSERS AND WARPS.									
Length and size supplied.	Diam.	Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and size per Table 31.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire Towline.	Length and size per Table 31.		Length.	Cir.
		Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Length.	Cir.		Length.	Cir.		
150	2 1/4	112 1/2	157 1/2	410: 1: 12	940: -:-	300	2 1/4		Stud.	N. Hingley	Neth. 23/8/23 H. Green. Neth. 12/8/23 L. Wright Neth. 12-9-23 L. Wright	TOWLINE	130	6	100	130	6		
7 1/2	2 1/4	112 1/2	157 1/2	25: 1: 10								HAWSERS & WARPS	4@100	8"	MANILLA	4@100	8"		
120	5/4			990: 3: 8					Cir.	a. Thomson Black.									

Steering Gear, Steam *Hastie* Steering Gear, Hand *Relieving Jacks*  
 Diameter of Barrel *4"* State whether they are in efficient working order *yes*  
 Capstan *✓*  
 m Skylights.—How constructed? *plates and angles* What arrangements for deadlights in bad weather? *steel flaps.*  
 r Openings.—How constructed? *✓* How are lids secured? *5 p. & o. (2' 8" x 1' 6").* Height above deck? *✓*  
 coppers, and numbers and dimensions of *Freeing Ports, &c. 1 p. & o.* *12' 8" x 1' 6".*  
 olds, thickness and material *None. T.T. + 08 under Hatches.* Cargo Battens, thickness and material *Ext. spar. 6" x 2"*  
 hways.—How formed? *steel plates and angles.* Hatches, If strong and efficient? *yes.*  
 1 Hatch (Forward) *18' 0" x 16' 0"* No. 2 Hatch *21' 0" x 16' 0"* No. 3 Hatch *24' 0" x 16' 0"* No. 4 Hatch *18' 0" x 16' 0"*  
 No. 1, 4 and 5: *three.* Nos 2 + 3: *four.*  
 No. of Breasthooks *three.* No. of Crutches *deep floors.*  
 height above deck and description *54" steel plates.* Main Rail, material and size *6" x 3" . 40 B.S.*  
 g is a correct description. *James R. Clark*  
 Signature (here only) *H. J. J. J.* Surveyor's Signature *James R. Clark* Surveyor to Lloyd's Register of Shipping.

idence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)  
*In accordance with ship letters of various dates.*  
 ship. Are the butts of plating planed or otherwise fitted? *yes.* *planed.*  
 ed work properly closed? *yes.*  
 ers between the frames and plates solid single pieces? *yes.* Do the holes for riveting plate to frames, butt straps, or plate  
 e, &c., conform well to each other? *yes.* Are the rivet holes well and sufficiently countersunk in the plate and punched  
 he facing surfaces? *yes.* Do any rivets break into or through the seams or butts of the plating? *a few.*  
 tts of Plating, Stringers, &c., properly shifted and strapped? *yes.* State results of tests *satisfactory.*  
 he upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *yes.* State results of tests *satisfactory.*  
 he gutterways been tested as required by the Rules (Sec. 26, par. 20)? *yes.*

Remarks (State quality of workmanship, &c.) *The workmanship is good. This vessel has been built in accordance with the approved plans, the Secretary letters of various dates, and in general conformity with the New Rules for the class contemplated. The Owners have agreed to the vessel being built to the Society proposed Rules (1923-4). The vessel is a sister ship to the 7 1/2 TAIRA, the same Builders No 595; Glasgow Report No 43637. The vessel is fitted to carry oil fuel for her own use in Nos 4, 5 and 6 double bottom tanks and in deep tanks and settling tanks. Flash point of oil fuel above 150°F. These compartments have been fitted and tested in accordance with the Requirements of Sections 34 and 35 of the Rules. [P.T.O.]*

The Surveyor should state the Number of Report and Name of any Sister Vessel.  
 Plans to be forwarded with F.E. Report showing vessel as built, and list of plans should be embodied in report.  
 Amount of Entry Fee ..... £ *10: 0: 0* Fees applied for, *23/7/1924*  
 Special Survey Fee.... £ *398: 8: 0* Received by me, *Hull*  
 Travelling Expenses, if any £ *13: 0: 0* *✓* Certificate to be sent to *Glasgow* Date of issue *29/8/24*  
 Whether the Vessel has been built under Special Survey *yes.*  
 opinion this Vessel should be Classed *+100A: fitted for oil fuel F.P. over 150°F.* *James R. Clark*  
 without Freeboard, as condition of Class *WITH.* Surveyor to Lloyd's Register of Shipping.

mittee's Minute *GLASGOW 29 JUL 1924*  
 racter assigned *÷ 100A1*  
*With fbs. 7.24*  
*Lloyds A.O.P.*  
*+ LMC 7.24 F.D.*  
*Fitted for oil fuel 7.24 F.P. above 150°F.*  
*FRI. 20 AUG 1926*  
*Wm. R. Clark*  
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GENERAL REMARKS—

Macachlan Davits. These davits were tested in accordance with the Secretary's letter of 15<sup>th</sup> Sept. 1923, with results.

The approved plans of this vessel are at the London Office with the Pt. Int. Report of the vessel. 3 Forging Reports enclosed, also copy of hitch of vessel as built.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge 207 ft., (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book)  
3 decks steel: Upper Deck sheathed: 2<sup>nd</sup> Deck wood sheathed.

Official No. 141,685. Signal Letters Yes: piled in State if Machinery is fitted aft No.

If bottom of Vessel has been coated Inside Yes: painted Outside Yes: paint give particulars of paint or other composition Red lead, oxide & paint + cement elsewhere.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system. Yes

Where Fitted.	Length. Feet.	Water Capacity. TONS S.W. Tons.	Where Fitted.
Double bottom, aft, <u>F.W.</u>	<u>96</u>	<u>173</u>	Fore peak tank,
Double bottom, under Engines and Boilers, <u>F.W.</u>	<u>33</u>	<u>116</u>	After peak tank,
Double bottom, if under Engines only, <u>5+6 (oil)</u>	<u>81</u>	<u>394</u>	Deep tank, aft,
Double bottom, if under Boilers only, <u>1, 2, 3 F.W. 4 (oil)</u>	<u>176</u>	<u>556</u>	Deep tank, forward,
Double bottom, forward, <u>1, 2, 3 F.W. 4 (oil)</u>		<u>1239</u>	Other tanks, if fitted, <u>F.W. between tunnels</u>
Total capacity of double bottom			(If necessary, furnish further information by sketch.)

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

State whether the above have been tested as required by the Rules

Order for Special Survey No. 5568

Date 1. 5. 1923

No. 601 in builder's yard.

DATES OF SURVEYS held while building

1923 Apr 19. 26 May 7. 16 Jun 12 July 31 Aug 8. 21. 31 Sep 7. 19. 26 Oct 4. 11. 17. 24 Nov 2. 9. 1924 Jan 9. 15. 22. 28 Feb 4. 12. 21. 28 Mar 5. 11. 14. 19. 21. 25 Apr 2. 3. 7. 16. 15. 23. 24. 29. 30. hi 30 Jun 5. 26. 26 July 1. 4. 8. 10. 18

Surveyor's Signature

James R. Black  
Foundation