





WEB FRAMES.				Inches in Ship.	Inches in Ship.	Inches per Rule. Or as App.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing				30	108" apart		
" " " " brdth. & thickness				26"	24"	26"	24"
" " " " No. of Side Stringers " "				Two	Two		
WEB-FRAMES, In E. & B. Space, No. & spacing				Two	Two		
" " " " brdth. & thickness				26"	24"	26"	24"
WEB-FRAMES, In After Body, No. and spacing							
" " " " brdth. & thickness							
" " " " No. of Side Stringers " "							
" " " " Size of Face Angles to Web-Frames.....				4x8/2x.62	4x8/2x.68		
BRACKET PLATES to Stringers between Web Frames, depth and thickness.....							

  

BULKHEADS.		Number.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up, state deck.
Vessel.	Per Rule.	Inches.	Horizontal.	Vertical.	Horizontal.	Vertical.	Horizontal.	Vertical.	
			Size.	Spacing.	Size.	Spacing.	Size.	Spacing.	
W.T. BULKHEADS	7	7	52.28	10x3/2x.46	24	Single	Upper		
FR. 9			42.28	10x4x.56	30	"	"		
FR. 31.52.75			48.28	10x4x.525	35	"	"		
FR. 12			44.28	10x4x.68	30	"	"		
FR. 18			48.28	10x3/2x.56	24	"	"		
" COLLISION "									
PARTITION "									
LONGITUDINAL..									

  

Are the outside Plates doubled two spaces of Frames in length? *Practical fitted*

Are the Stair Valves and Watertight Doors in efficient working order? *yes*

  

FORGINGS or CASTINGS.				Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness .....				FLAT PLATE -	
STEM, moulding and thickness .....				11x3/8	11x27/8
STERN-POST for Rudder do. do. ....				9 1/2 x 8 1/2	9 1/2 x 8 1/2
" " " " for Propeller .....				11x8 1/2	11x8 1/2
RUDDER - A x D* Table 22. Speed 11 knots				499	
" Main-Piece, diameter at head .....				12"	12"
" " " " at heel .....				9"	9"

  

RUDDER, how constructed *Single plate - Angle plate -*

Thickness of Plates or Single Plate *1.02*

Can the Rudder be unshipped afloat? *yes*

  

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c. ? *Open Account price -*

*Edville & Son - Cornett, Iron Co. - Steel Co. of Scotland*

*Lanarkshire Steel Co. - Glasgow Iron Steel Co.*

Has the Steel been tested as required by the Rules? *yes*

  

PLATING.						RIVETING.												
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES, Ordinary or joggled?				BUTTS.							
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing or to cr.		Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.	
FLAT PLATE KEEL.....	49	.48	.48	.48	49	.48	Double	6"	1"	3/4"	3R	1"	4"	19	.48			
(If Bar Keel, state Riveting.)							"	"	"	"	4R	"	"	"	"	14	1/2	
GARBOARD or A Strake	x	.40	.64	.56		.40	"	"	"	"	"	"	"	"	"	"	"	
State actual thickness in way of Double Bottom.							"	"	"	"	"	"	"	"	"	"	"	
B	x	.40	.50	.54		.40	"	"	"	"	"	"	"	"	"	"	"	
C	x	.40	.56	.56		.40	"	"	"	"	"	"	"	"	"	"	"	
D		.40	.50	.50		.40	"	"	"	"	"	"	"	"	"	"	"	
E		.40	.56	.56		.40	"	"	"	"	"	"	"	"	"	"	"	
F		.40	.56	.56		.40	"	"	"	"	"	"	"	"	"	"	"	
G		.40	.48	.48		.40	"	"	"	"	3R	"	3 1/2"	"	"	10 1/2	Full	
H		.40	.48	.52		.40	"	"	"	"	"	"	"	"	"	"	"	
I		.40	.48	.52		.40	"	"	"	"	"	"	"	"	"	"	"	
J		.40	.48	.52		.40	"	"	"	"	"	"	"	"	"	"	"	
K		.40	.48	.52		.40	"	"	"	"	"	"	"	"	"	"	"	
L		.40	.48	.48		.40	"	"	"	"	"	"	"	"	"	"	"	
UPPER DECK SHEER	M	49	.68	.48	.48	49	.68	"	"	"	"	"	"	"	"	"	"	
BRIDGE DECK SHEER	N	49	.68	"	"	49	.68	"	"	"	4R	"	4"	"	"	14	1/2	
P			.44	"	"	49	.44	"	"	"	"	"	4"	"	"	"	"	
Q																		
R																		
S																		
T																		
U																		
V																		
W																		
THICKNESS OF SHEER STRAKE	49	.46			49	.46					5R	1 1/8"	5"			20	1/2	
CLEAR OF LONG BRIDGE		.46				.46	2R	6"	1"	3/4"	4R	1"	4"			14	"	
DO. OF STRAKE BELOW		.40				.40					3R	1"	4"	19	.40		"	
DBLG. of Flat Plate Keel																		
" Sheerstrakes																		
Length and thickness.																		
POOP SIDES .....		.40				.40	1R	2 1/2"	3/4"	3"	2R	3/4"	2 5/8"			5"	Full	
SHORT BRIDGE SIDES ...																		
FORECASTLE SIDES .....		.42				.42	1R	2 1/2"	3/4"	3"	2R	3/4"	2 5/8"			5"	Full	

Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

  

Upper Deck		Butts of Side Stringers	
Stringer Plate	Butts, 4R riveted for 1/2 length amidship.		
	Straps, single double or overlapped for full length amidship.		
Second Deck	Butts, 2R riveted for full length amidship.		
Stringer Plate	Straps, single or overlapped for full length amidship.		

  

Inner Bottom Plating, riveting of Edges *2R* Butts *2R & 2R*

Centre Girder Butts, *2R* riveted. Keelson Butts, *"* riveted.

Frames, riveted through Plates with *1"* in. Rivets, about *6'* apart.

Rivets, state whether Iron or Steel *Iron*

  

FRAMES extend in one length from *center line to margin channel upper, poop, fore & aft*

REVERSED FRAMES on floors and frames extend from *center line to margin*

State if ordinary or joggled *joggled*

  

MASTS, SPARS, &c.											
	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS.....	Fore	58.0	26 x .40	24 x .40	21 1/2 x .36	21 1/2 x .36	Two			Single	Full
	Main	57.6	26 x .40	24 x .40	21 1/2 x .36	21 1/2 x .36	Two			"	"
	Mizen										
Bowsprit											
Topmasts, Yards and Remainder of Spars		52.0 x .36	20								
Rigging, Material and Size, Shrouds		4" G.S.W.									
Sails.		Suit of									

Sails, and the following spare sails



EQUIPMENT No. <i>43133</i>				LETTER <i>Bf</i>				ANCHORS.				TONNAGE U. D. K. OR PLATING No. FOR TRAWLERS			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
<i>85422</i>	1st Bower	<i>44</i>	<i>0</i>	<i>14</i>	<i>56</i>	<i>0</i>	<i>0</i>	<i>56</i>	<i>0</i>	<i>0</i>	<i>42</i>	<i>2</i>	<i>0</i>	<i>Hall's Patent</i>	<i>Hungley &amp; Son N.Y. 24/4/21 H. Green</i>
<i>85423</i>	2nd "	<i>41</i>	<i>3</i>	<i>2</i>	<i>54</i>	<i>15</i>	<i>0</i>	<i>54</i>	<i>15</i>	<i>0</i>	<i>42</i>	<i>2</i>	<i>0</i>	"	"
<i>85424</i>	3rd "	<i>62</i>	<i>2</i>	<i>6</i>	<i>49</i>	<i>17</i>	<i>2</i>	<i>49</i>	<i>17</i>	<i>2</i>	<i>62</i>	<i>0</i>	<i>0</i>	"	"
	4th "														
	Collective weight.	<i>208</i>	<i>1</i>	<i>22</i>							<i>207</i>	<i>0</i>	<i>0</i>		
<i>85473</i>	Stream	<i>20</i>	<i>3</i>	<i>22</i>	<i>15</i>	<i>3</i>	<i>10</i>	<i>21</i>	<i>12</i>	<i>2</i>	<i>0</i>	<i>20</i>	<i>3</i>	<i>0</i>	<i>Protinium</i>
<i>85472</i>	Kedge	<i>9</i>	<i>1</i>	<i>0</i>	<i>2</i>	<i>1</i>	<i>12</i>	<i>11</i>	<i>6</i>	<i>3</i>	<i>14</i>	<i>9</i>	<i>0</i>	<i>0</i>	"

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

1st Bower *46-2-14 W.A.D. 21.9.21-628 cwt. h<sup>2</sup>-*  
2nd " *46-2-14 W.C. 3193 10.11.20*  
3rd " *41-3-15 H.G. 5-88 12.4.21*  
4th "

#### CHAIN CABLES.

#### HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.		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.	Diam.		Supplied.	Per Rule.	lbs.	Length.	Diam.				Length.	Cir.		Length.	Cir.
<i>69748</i>	<i>150</i>	<i>2 3/8</i>	<i>100</i>	<i>422</i>	<i>3.7</i>	<i>441.0</i>	<i>300</i>	<i>2 3/8</i>	<i>Steel</i>	<i>Hungley</i>	<i>N.Y. 24/4/21 H. Green</i>	<i>150</i>	<i>5 1/2</i>	<i>88</i>	<i>150</i>	<i>5 1/2</i>
<i>69745</i>	<i>150</i>	<i>2 3/8</i>	<i>100</i>	<i>422</i>	<i>3.7</i>	<i>441.0</i>			"	"	"					
Iron Stream Chain or Steel Wire	<i>120</i>	<i>5</i>		<i>73</i>			<i>120</i>	<i>5</i>								

**Boats** *2 life & 3 others* **Steering Gear, Steam** *Wilson & Co.* **Steering Gear, Hand** *Hastings*  
**Pumps, Number** *Two* **Diameter of Barrel** *3"* **State whether they are in efficient working order** *Yes*  
**Windlass is** *Wilson (Steam)* **Capstan** *Yes*  
**Engine Room Skylights.**—How constructed? *Steel* **What arrangements for deadlights in bad weather?** *Hungry flaps*  
**Coal Bunker Openings.**—How constructed? *Plating Angles* **How are lids secured?** *Battens & Chalk* **Height above deck?** *4.8"*  
**Number of Scuppers, and numbers and dimensions of Freeing Ports, &c.** *6 each side. 5 at 2' 11" x 1.6" & 3 at 2' 9" x 1.6" each side.*  
**Ceiling in Holds, thickness and material** *2 1/2" wooden battens* **Cargo Battens, thickness and material** *6 x 2 W.P. home in Bridge Space*  
**Cargo Hatchways.**—How formed? *Plating Angles* **Hatches, If strong and efficient?** *Yes*  
**State size No. 1 Hatch (Forward)** *24.9 x 16.0* **No. 2 Hatch** *27.6 x 16.0* **No. 3 Hatch** *13.9 x 16.0* **No. 4 Hatch** *20.7 x 16.0*  
**Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch** *10 1.2.4.5.6.5- 14.3=3- 100 5.6.22.11 x 16.0*  
**No. of Breasthooks** *5* **No. of Crutches** *5*  
**Bulwarks, height above deck and description** *4.4 x 30 stay 2 1/2" dia at 4' apart* **Main Rail, material and size** *W. 2 A. 3/4" section*  
*The foregoing is a correct description of the vessel.* **Builder's Signature (here only)** *John Brown & Company, Limited.* **Surveyor's Signature** *Stanley Howntree*  
*Builder's Signature (here only)* *Stanley Howntree* **Surveyor to Lloyd's Register of Shipping.**

**Correspondence.**—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)

*M. 21.8.19 - E. 26.1.20 - E. 22.12.20 M. 12.10.21*

**Workmanship.** Are the butts of plating planed or otherwise fitted? *Yes*

Is the riveted work properly closed? *Yes*

Are the liners between the frames and plates solid single pieces? *Yes*

to plate, &c., conform well to each other? *Yes*

from the faying surfaces? *Yes*

Do the holes for riveting plate to frames, butt straps, or plate

Are the rivet holes well and sufficiently countersunk in the plate and punched

Do any rivets break into or through the seams or butts of the plating? *a few*

Are the butts of Plating, Stringers, &c., properly shifted and strapped or lapped? *Yes*

Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *Yes*

State results of tests *Satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes*

State results of tests *Satisfactory*

**General Remarks** (State quality of workmanship, &c.)

*This vessel has been built in accordance with the approved plans, secretary's letter & the rules for the class contemplated. The workmanship is good. No cargo battens are fitted in the bridge space.*

*This is a sister vessel to the S/S. Bulgaria & Cochrane She reports No. 40871 & 42555*

*6 Longing rearing reports attached.*

*12 approved plans have been sent up with plan rept. No. 42555 on S/S. Cochrane which please return for reference during the completion of a sister vessel.*

*The bottom was seen in dry dock on 13<sup>th</sup> inst & found to be in good condition. The Owner have requested that the date of completion might receive consideration and they will esteem it as*

*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.*

The amount of Entry Fee ..... £ *10 : 0 : 0*

Special Survey Fee.... £ *381 : 14 : 0*

Travelling Expenses, if any £ *13 : 0 : 0*

Fees applied for,

*19.5.1923*

Received by me,

*24/5/23*

*Hxh. Certificate to be sent to*

*Glasgow*

Date of issue

*22/5/23*

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *100 A1.*

With, or without Freeboard, as condition of Class *Without*

*Stanley Howntree*  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

*GLASGOW*

*20 MAR 1923*

Character assigned *100 A1.*

*3.23.*

*Lloyd's A+C*

*+ LMC 3.23.72*

*Date of Build 3.23*



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0072 7/2

Lloyd's Register Foundation



GENERAL REMARKS—(continued).

a favour if, owing to the vessel being examined in dry dock this month, the date of completion is recorded as March 1923

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 34.12 ft., R.Q.D. ft., Bridge 18.91 ft., Forecastle 48.87 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 2 decks (steel)

Official No. ; Signal Letters

State if Machinery is fitted aft no

How are the surfaces preserved from oxidation? Inside cement & paint Outside paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors cellular

Where Fitted.	<sup>this letter</sup> Feet.	Water Capacity. Tons.	Where Fitted.	Feet.	Tons.
Double bottom, aft,	<u>462</u>	<u>135</u>	Fore peak tank,	<u>25</u>	<u>163</u>
Double bottom, under Engines and Boilers,	<u>314</u>	<u>68.6</u>	After peak tank,	<u>18</u>	<u>34</u>
Double bottom, if under Engines only,		<u>67.5</u>	Deep tank, aft,	<u>4</u>	<u>✓</u>
Double bottom, if under Boilers only,			Deep tank, forward,	<u>✓</u>	<u>✓</u>
Double bottom, forward,	<u>705</u>	<u>175</u>	Other tanks, if fitted,	<u>✓</u>	<u>✓</u>
	<u>1521</u>	<u>405</u>	(If necessary, furnish further information by sketch.)		
		Total capacity of double bottom <u>1413</u>			

The wells are not to be included in the lengths of the tanks. 378

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

Order for Special Survey No. 5463

Date 11.12.1920

No. 598 in builder's yard.

DATES OF SURVEYS held while building

1920 Aug 24 Sep 3.9.16 Oct 1.20 Nov 9.17.22.25 Dec 1.7.9.16.23.28 1921 Jan 18.25.26 Feb 7.15.16.23.25 Mar 2.4.16.25.30 Apr 1.6.11.18 May 2.6.9.11.18.22.24.30 Jun 1.3.10.14.22.29.30 Jul 7.28 Aug 4.11.12.23.24.29.31 Sep 5.14.23 Oct 24 Dec 7.1922 Feb 16 Mar 19.25 Jun 5.8.19.26.28.29 Jul 14.8. Aug 9.14.28 Oct 9.22.30 Nov 8.9.13.22.24.30 Dec 6. 1923 Feb 12. Mar 14.

Total No. of Visits 89

Surveyor's Signature

Stanley Routledge

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