

1 or 2 Dks., R.Q.Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

State if Report is also sent on the Machinery of the Vessel *yes*
Date of completion of Report *14th July 1909*
Date, First Survey *Mar 1st*

No. *21459*
Received at London Office, *WED. 21 JUL 1909*

Port of Hull
Last Survey *July 9th 1909*
Rig *Ketch*

Survey held at *Dublin*
On the *Steam Schooner "ELITE."*

TONNAGE under
Tonnage Deck... *438.61*
Do. of Poop
Do. of Raised Qr. *16.10*
Do. of Break...
Do. of Bridge House
Do. of Forecastle *22.65*
Do. of Houses on Deck *9.79*
Do. of excess of Hatchways
above Crown of
Engine Room...
Gross Tonnage *487.15*
Net Tonnage *2.17*
Do. above Crown of
Engine Room...
Tonnage for Fees... *484.98*
Do. Engine Room *172.43*
Do. Navigation Spaces *7.16*

ONE OR TWO DECKED VESSEL.

CLASS *100 A.1. "Steam Schooner."*

Master *✓*

Year of appointment *(1) As master in service of owner of present vessel:—19*
(2) As master of this vessel:—19

Built at *Dublin*

When built *1909* Launched *20th April*

By whom built *Cochrane & Sons.*

Owners *Bensaude & Co.*

Managers

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

Residence *Lisbon.*

Port belonging to *Lisbon.*

Register Tonnage *305.39*
as cut on Beam...

Destined Voyage *Lisbon.*

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

LENGTH on Deck as per Rule... Feet. *158* Inches. *10*
BREADTH Moulded... Feet. *26* Inches. *9*
DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams... Feet. *14* Inches. *1*
No. of Decks with Flat laid *One*
No. of Tiers of Beams *One*
Dimensions of Ship per Register, Length, *160.0*, breadth, *27.0*, depth, *14.1*, Moulded Depth, *15* ft. *0* ins. Round of Beam, Actual *7* ins.

FRAMING.				FORGINGS AND CASTINGS.			
	Inches in Ship.	Inches in Ship.	20ths in Ship.		Inches in Ship.	Inches per Rule.	Or as Approved.
FRAME, Angles, <i>7.5</i> Bars, for $\frac{1}{2}$ length amidships	<i>4 1/2</i>	<i>3</i>	<i>8</i>	KEEL, Bar or Side Plates depth and thickness	<i>7 1/2 x 15/8</i>	<i>7 1/2 x 15/8</i>	
Do. for $\frac{1}{2}$ at each end				STEM, moulding and thickness	<i>7 1/2 x 15/8</i>	<i>7 1/2 x 15/8</i>	
Do. in way of Double Bottoms at Solid Floors				STERN-POST for Rudder do. do.	<i>6 1/2 x 3 1/2</i>	<i>6 1/2 x 3 1/2</i>	
Spacing of Frames from centre to centre	<i>21</i>		<i>21</i>	for Propeller	<i>5</i>	<i>5</i>	
REVERSED FRAME, Angles	<i>3</i>	<i>3</i>	<i>6</i>	MAIN PIECE of Rudder, diameter at head	<i>3 3/4</i>	<i>3 3/4</i>	
DEEP FRAMING, depth of girder	<i>4 1/2</i>		<i>4 1/2</i>	do. at heel			
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>18</i>		<i>18</i>	RUDDER, how constructed <i>Longitudinal frame. Ringer plate 1 1/2"</i>			
in way of Engines and Boilers		<i>9</i>	<i>9</i>	Can the Rudder be unshipped afloat? <i>Yes.</i>			
thickness at the ends of vessel		<i>7</i>	<i>7</i>				
depth at $\frac{1}{2}$ the half breadth, as per Rule	<i>straight across</i>						
height extended at the Bilges	<i>plan</i>						
FLOORS & BRACKETS, in Cell Dble Bottoms							
state if flanged (top & bottom)							
Spacing							
CENTRE GIRDER, in Double Bottom, depth and thickness	<i>19</i>		<i>19</i>				
Angles, Top	<i>3</i>	<i>3</i>	<i>6</i>				
Bottom	<i>3</i>	<i>3</i>	<i>6</i>				
SIDE GIRDERS, number on each side & thickness	<i>2</i>		<i>2</i>				
state if flanged (top & bottom)	<i>no</i>						
Angles	<i>3</i>	<i>3</i>	<i>6</i>				
MARGIN PLATE, depth (exclusive of flange) and thickness							
Angles to Outside Plating	<i>Margin plate flanged</i>						
Floors							
Height of Floors at the Bilges	<i>57</i>		<i>57</i>				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake							
thickness in Engine and Boiler space	<i>Plated as above</i>						
Remainder in Holds							
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>7</i>	<i>3</i>	<i>9</i>				
Angles on Upper Edge							
Spacing	<i>42</i>		<i>42</i>				
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
BEAMS, Hold, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb							
Angles on Upper Edge							
Spacing							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	<i>7</i>	<i>3</i>	<i>9</i>				
Angles on Upper Edge							
Spacing	<i>42</i>		<i>42</i>				
PILLARS, In 'tween Decks, Size and Spacing							
Hold	<i>2 3/4</i>		<i>As arranged.</i>				
Quarter, 'tween Dks.							
in Hold							
WEB FRAMES, In Fore Body, No. and Spacing							
Brdth. & Thickness							
No. of Side Stringers							
WEB FRAMES, In E. & B. Space, No. & Spacing							
Brdth. & Thickness							
WEB FRAMES, In After Body, No. and Spacing							
Brdth. & Thickness							
No. of Side Stringers							
Size of Angles or Tee Bars to Web Frames							
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness							

BULKHEADS.	Number.		Thickness.	STIFFENERS.				Single or Double Frames.	Height up.
	In Vessel.	Per Rule.		Horizontal.	Vertical.	Horizontal.	Vertical.		
W.T. BULKHEADS	<i>4</i>	<i>4</i>	<i>6</i>	<i>3 1/2 x 3</i>	<i>6/20</i>	<i>48</i>	<i>30</i>	<i>Dr.</i>	
PARTITION									
LONGITUDINAL									

Are the outside Plates doubled two spaces of Frames in length? *Diamond plate fitted*
Are the Stanchions and Watertight Doors in efficient working order? *Yes.*

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		LOWER EDGES.		RIVETING.		BUTTS.		
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	RIVETS.	STRAPS.	IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.							
FLAT PLATE KEEL (If Bar Keel, state Riveting)	32	10	9	9	32	10	Double	4 1/2	3/4	3	T 1/2 L 2 1/2	14 1/2	11
GARBOARD OR A STRAKE	32	10	9	9	32	10	Double	4 1/2	3/4	3	T 1/2 L 2 1/2	14 1/2	11
State actual thickness in way of Double Bottom.													
B "		9	8	8		9							
C "		9	8	8		9							
D "		9	8	8		9							
E "		9	8	8		9							
F "		10	8	8		10							
G "		9	8	8		9							
H "	36	10 1/2	9	9	36	10 1/2		5 1/4	7/8	3 1/2		16 3/4	11 1/2
J "													
K "													
L "													
M "													
N "													
O "													
P "													
DOUBLING OF Flat Plate Keel													
Length and thickness of Bilges													
Length and thickness of Sheerstrakes													
Length and thickness of Strake below													
POOP SIDES													
RAISED QUARTER DECK SIDES		10	9	9		10							
BRIDGE SIDES													
FORECASTLE SIDES													
LENGTHS OF PLATING													

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, outside Plating, &c. *Mild Steel. Duffell, South Durham, Palmers.*

Has the Steel been tested as required by the Rules *Yes*

FRAMES extend in one length from *Keel* to *gunwale*. state if ordinary or joggled *Ordinary*.
REVERSED FRAMES on floors and frames extend *from across top of floors. (Rull Angle frames.)* state if ordinary or joggled *Ordinary*.

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	P.P. Iron	42-6	15								
Main	P.P. Iron	30-0	12								
Mizen	P.P. Iron	30-0	12								

Bowsprit *Yes*
 Topmasts, Yards and Remainder of Spars *Pitch pine*
 Rigging, Material and Size, Shrouds *Sails wire, 3 1/2, 2 1/4*. Stays *Sails wire, 4 1/2, 2 1/2*.
 Sails. *One* Suit of Sails and the following spare sails *None*

Equipment No. *Letter* *ANCHORS.* *Tonnage U.D. or Plating No. for Trawlers 8473.*

Number of Certificate.	Anchors.	WEIGHT, EX STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY RULES.			Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.			
62242	1st Bower	9	0	12	11	4	21	11	4	21	9	0	7	Anchor	Not stated	L.P.H. N. 19-4-09, L. 19-4-09
62243	2nd "	9	0	2	11	4	21	11	4	21	9	0	7	Anchor	Not stated	L.P.H. N. 19-4-09, L. 19-4-09
5242	3rd "	3	3	6	3	22	6	3	0	14	3	3	0	Anchor	Not stated	L.P.H. N. 20-4-09, L. 20-4-09
	Collective weight	21	3	20							21	3	14			
	Stream															
	Kedge															

CHAIN CABLES.

Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.		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 22.	
	Length.	Diam.		Supplied.	Per Table 22.	Length.	Diam.					Length.	Cir.		Length.	Cir.
36045	135	1 1/2	25 3/4	99	0	17	97	2	24	135	1 1/2	25 3/4	99	0	17	97

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.		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 22.	
	Length.	Diam.		Supplied.	Per Table 22.	Length.	Diam.					Length.	Cir.		Length.	Cir.
36045	135	1 1/2	25 3/4	99	0	17	97	2	24	135	1 1/2	25 3/4	99	0	17	97

Boats 2 Sigsbee's.
Pumps, Number 3 *Four* Diameter of Barrel 6" *4* State whether they are in efficient working order *Yes*.
Windlass is by Emerson, Walker & Thompson Bros.
Engine Room Skylights—How constructed? *Plates and angles.*
 What arrangements for deadlights in bad weather? *Steel plates and duckboards.*
Coal Bunker Openings—How constructed? *Cast iron rings* How are lids secured? *and secured* Height above deck? *12" and flush.*
 Number of Scuppers, and number and dimensions of **Freeing Ports**, &c. *On each side, 6 Scuppers. One Port 24" x 9", four Ports 18" x 9".*
Ceiling in Holds, thickness and material *2 1/2" pitch* **Cargo Batts**, thickness and material *Yes*
Cargo Hatchways—How formed? *Plates and angles.* **Hatches**—If strong and efficient? *Yes, 2 1/2"*
 State size No. 1 Hatch (Forward) 6' 6" x 3' 6" No. 2 Hatch 3' 6" x 4' 0" No. 3 Hatch 3' 6" x 4' 0" No. 4 Hatch 3' 6" x 4' 0"
 Number of **Web Plates**, **Shifting Beams**, and **Fore and Afters** to each Hatch *Yes*
Bulwarks, height above deck and description *3' 6" x 6' 5"* No. of Breasthooks *Four* No. of Crutches *One & duff floor*
 The above is a correct description.
 Builder's Signature *Bochmann & Sons* Surveyor's Signature *Allison B. Wilson*
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case)
 (M) 22-2-09, 23-2-09, 10-6-09 (Gauland.) (L) 30-3-09.

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed.*
 Is the riveted work properly closed? *Yes*
 Are the liners between the frames and plates solid single pieces? *Yes* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *Yes* Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? *Yes* 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? *Yes*
 Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *Scawler.* State results of tests *✓*
 Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *✓* State results of tests *✓*
General Remarks (State quality of workmanship, &c.) *Workmanship good.*
 This vessel has been built in accordance with the approved plans, the Secretary's letters of the above date, and in general conformity to the Rules for the class contemplated.
 The fish hold is insulated and refrigerating machinery fitted, of which the following are the particulars, viz:—

No. and whether Single or Duplex.	Makers.	Date of Construction.	System.	Type.	System of (1) Refrigerating (2) Insulating the Chambers.	POWER.		INSULATED CARGO CHAMBERS.		Notation and Date of Last Survey.
						Cubic feet of air delivered per hour.	Ice melting capacity per 24 hours. Tons.	No.	Capacity.	
1 Single	J. & E. Hall, Ltd.	1909	Carb. Amhy.	Hall	Brine	✓	✓	3	10800	✓

Accompanying this Report: Plans of Midship Section, Profile and Decks, Pumping Arrangements, and Report on Ships & Engines. Amended Mid. Section. The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *✓* ft., R.Q.D. or Break *54-0* ft., Bridge Dk. *✓* ft., F'castle *26-5* ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. 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) *1 Dk*
 Official No. *✓*; Signal Letters *✓* State if Machinery is fitted aft *Yes*.
 How are the surfaces preserved from oxidation? Inside *Portland Cement & paint* Outside *Paint*.

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,	✓	
Double bottom, under Engines and Boilers,	✓		After peak tank,	✓	
Double bottom, if under Engines only,	✓		Deep tank, aft	✓	
Double bottom, if under Boilers only,	✓		Deep tank, forward	✓	
Double bottom, forward,	24-0	32 1/2	Other tanks, if fitted,	✓	

Total capacity of double bottom *24-0 32 1/2* (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 *Yes*.

Order for Special Survey No. *1984* *1909: Mar 1. 11. 16. 22. 26. April 6. 16. 20. 22. 27. May 3. 7. 18. 27. 29. Jun 2. 10.*
 Date *25/2/09* *Jul. 2. 3. 6. 9.*
 No. *453* in builder's yard
 DATES OF SURVEYS held while building
 Total No. of Visits *22*

The amount of Entry Fee £ *2 : 0 : 0* Fees applied for, *20/7/1909*
 Special £ *24 : 5 : 0* Received by me, *23/7/09*
 Travelling Expenses, if any £ *1 : 9 : 6* *2/7/1909*
 State whether the Vessel has been built under Special Survey *Yes*
 I am of opinion this Vessel should be Classed *100A1 "Steam Scawler"*
 With, or without Freeboard, as condition of Class *Without.*

Committee's Minute *FUES. 27 JUL 1909*
Character assigned *100A1*
Am Scawler
Lloyd's at 100 1st June 7. 09
AKD

Surveyor to Lloyd's Register of British and Foreign Shipping.