1 ~~& 2~~ Dks., ~~R.Q.Dk.,~~ ~~and Pt. Awng. Dk~~

~~IRON OR~~ STEEL STEAMER.

No. 156828

State if Report is also sent on the Machinery of the Vessel Yes

Received at London Office SAT 12 JUN 1909

Date of completion of Report 7th June 1909. *Port of* Newcastle-on-Tyne.

Survey held at South Shields. *Date, First Survey* 9th Feby 1909 *Last Survey* 5th June 1909.

On the Sc. Sr. "WHEATFIELD." *Rig* SCHOONER

TONNAGE under Tonnage Deck 330·68.
Do. of Poop –
Do. of Raised Qr. Dk. or Break 88·14
Do. of Bridge House 14·37
Do. of Forecastle 20·15
Do. of Houses on Deck 12·76
Do. of excess of Hatchways 25·61
Do. above Crown of Engine Room 20·20
Gross Tonnage 514·91
Less Crew Space 46·25
Less above Crown of Engine Room 20·20
TONNAGE FOR FEES 448·46
Less Engine Room 240·47
Less Navigation Spaces 18·85
Water Ballast Spaces 12·59,
Register Tonnage *as cut on Beam* 196·75.

ONE ~~& 2~~ DECKED VESSEL.

CLASS ✠ 100 A1.

	FEET.
Half Breadth (*moulded*)	13·25.
Depth *from upper part of Keel to top of Main Deck Bms.* (*with the normal round up of beam*)	12·05.
Girth *of Half Midship Frame* (*as per Rule*)	22·58.
1st Number	47·88.
Length *on deck from after part of stem to fore part of stern post*	160·79.
2nd Number	7698·62.
Proportions—*Breadths to Length*	6·08
Depths to Length—Main Deck to top of Keel	13·35

Destined Voyage *If Surveyed while Building, Afloat, & in Dry Dock* Special.

Master H. C. Proctor

Year of appointment (1) *As master in service of owner of present vessel* :—19 06. (2) *As master of this vessel* 19 09.

Built at South Shields.

When built 1909. *Launched* May 5th 1909.

By whom built Jos. T. Eltringham & Co.

Owners Spillers & Bakers Ltd.

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

Residence Cardiff.

Port belonging to Cardiff

	Feet.	Inches.		Feet.	Inches.		Feet.	Inches.	
LENGTH on Deck as per Rule	160	9½	**BREADTH**—Moulded	26	6	**DEPTH, ACTUAL**—Top of Floors to top of Main Deck Beams	9	6¾	No. of Decks with Flat laid ONE. No. of Tiers of Beams ONE.

Dimensions of Ship per Register, Length, 162·4 breadth, 26·7 depth, 9·3. Moulded Depth, 11 ft. 6 ins. Round of Beam, Actual 6¾ ins.

FRAMING.

	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved	Inches per Rule Or as Approved	20ths per Rule Or as Approved
FRAME, Angles, ⊏ or Bars, for ⅜ length amidships	3	3	7	3	3	6
Do. for ⅛ at each end	3	3	6	3	3	5
Do. in way of Double Bottoms at Solid Floors	3	3	6	3	3	6
" " ~~at intermdt. Bkts.~~	–	–	–	–	–	–
Spacing of Frames from centre to centre	21"			21"		
REVERSED FRAME, Angles	2½	2½	6	2½	2½	5
~~**DEEP FRAMING,** depth of girder~~	–	–	–	–	–	–
FLOORS, depth and thickness of Floor Plate at mid-line for ⅜ length amidships	13½	×	6	13½	×	6
" in way of Engines and Boilers			7-8			7-8
" thickness at the ends of vessel			5			5
" depth at ¾ the half breadth, as per Rule	6¾"			6¾"		
" height extended at the Bilges	27"			27"		
FLOORS & BRACKETS, in **Cell Dble Bottoms**	30	×	6	30	×	6
" " state if flanged (top & bottom)	NOT			FLANGED.		
" " Spacing	21"			21"		
CENTRE GIRDER, in Double Bottom, depth and thickness	30"	×	7"	30"	×	7"
" " Angles, Top	3	3	7	3	3	7
" " " Bottom		NONE			NONE	
SIDE GIRDERS, number on each side & thickness	ONE		6	ONE		6
" state if flanged (top & bottom)	NOT			FLANGED.		
" Angles	3	3	6	3	3	6
MARGIN PLATE, depth (exclusive of flange) and thickness	20	×	6	20	×	6
" Angles to Outside Plating	3	3	6	3	3	6
" " Floors	3	3	6	3	3	6
" Height of Floors at the Bilges	34½"			34½"		
INNER BOTTOM PLATING, breadth and thickness of **Middle Line Strake**	48.		7	48		7
" " ~~thickness in Engine and Boiler space~~	–	–	–	–	–	–
" " " Remainder in Holds			6			6
BEAMS, Main and Raised Quarter Deck, Single Angle, ~~Bulb Angle, Plate or Tee Bulb~~	5	3	7	5	3	7
" ~~Angles on Upper Edge~~	–	–	–	–	–	–
" Spacing	21"			21"		
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, Bridge ~~or Pt. Awng. Deck,~~ Angle, ~~Bulb Angle, Plate, or Tee Bulb~~	4½	3	7	4½	3	7
" ~~Angles on Upper Edge~~	–	–	–	–	–	–
" Spacing	42"			42"		
BEAMS, Forecastle Deck, Angle, ~~Bulb Angle,~~ ~~Plate or Tee Bulb~~	5	3	7	5	3	7
" ~~Angles on Upper Edge~~	–	–	–	–	–	–
" Spacing	42"			42"		
PILLARS, ~~In 'tween Decks, Size and Spacing~~	–	–	–	–	–	–
" **Hold** " "	3⅜&3⅛"		42"	2½"&2⅜"		42"
~~**Quarter, 'tween Dks.,** " "~~	–	–	–	–	–	–
" ~~**in Hold** " "~~	–	–	–	–	–	–
WEB FRAMES, In Fore Body, No. and Spacing						
" " " Brdth. & Thickness		As per Profile.				
" No. of Side Stringers " "						
WEB FRAMES, In E. & B. Space, No. & Spacing	Two each side					
" " " Brdth. & Thickness	14	×	6	14	×	6
WEB FRAMES, ~~In After Body, No. and Spacing~~	–	–	–	–	–	–
" " " ~~Brdth. & Thickness~~	–	–	–	–	–	–
" No. of Side Stringers " "	–	–	–	–	–	–
" Size of Angles ~~or Tee Bars~~ to **Web Frames**	5	3	6	5	3	6
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	–	–	–	–	–	–

FORGINGS AND CASTINGS.

	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar ~~or Side Plates~~ depth and thickness	7 × 1⅝	7 × 1⅝
STEM, moulding and thickness	7 × 1⅝	7 × 1⅝
STERN-POST for Rudder do. do.	4½ × 3¼	4½ × 3¼
" for Propeller	6½ × 3¼	6½ × 3¼
MAIN PIECE of **Rudder,** diameter at head	5½	5½
do. at heel	4¼	4¼

RUDDER, how constructed Single plate, arms chunk & keyed on.

Can the Rudder be unshipped afloat? Yes.

KEELSONS AND STRINGERS.

	Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Approved	Inches per Rule Or as Approved	16ths or 20ths per Rule Or as Approved
CENTRE LINE KEELSON, Vertical Plate above floors, ~~Through Plate, or Intercostal Plate~~	11	×	9	11	×	9
" Rider Plate	7½	×	9	7½	×	9
" ~~Bulb Plate to Intercostal Keelson~~	–	–	–	–	–	–
" ~~Horizontal Plates on Floors~~	–	–	–	–	–	–
" Angles	3½	3	6	3½	3	6
SIDE KEELSON, Angles Double	3½	3	6	3½	3	6
" ~~Bulb or Plate above floors for lng.~~	–	–	–	–	–	–
" Intercostal Plate for 3/5 AFT. length			6			6
" Attached to outside plating with Angle	2½	2½	6	2½	2½	6
BILGE KEELSON, Angles Double	3½	3	6	3½	3	6
" Bulb ~~or Plate~~ above floors for 3/5 AFT. lng.	7	×	3/8	6½	×	6
" ~~Intercostal Plate for length~~	–	–	–	–	–	–
" ~~Attached to outside plating with Angle~~	–	–	–	–	–	–
BILGE STRINGER Angles Single	6	3	9	6	3	9
" Bulb Plate for 1/2 AFT. length	7	×	3/8	6½	×	6
" ~~Intercostal Plate for length~~	–	–	–	–	–	–
" ~~Attached to outside plating with Angle~~	–	–	–	–	–	–
SIDE STRINGER Angles Single	6	3	9	6	3	9
" ~~Bulb or~~ Intercostal Plate for 3/4 FORE lng.	6	×	6	6	×	6
" Attached to outside plating with Angle	3	3	6	3	3	6
Main and Raised Quarter Deck Stringer Plate, breadth and thickness	69		8	40		7
" Angle on ditto	3×3		7	3×3		7
" ~~Tie Plates, outside Hatchways~~	–		–	–		–
" ~~Diagonal Tie Plates on Bms., No. of Pairs~~	–		–	–		–
" Main Dk* ~~Iron or~~ Steel for FULL lng.			6			6
" R. Q. Dk* ~~Iron or~~ Steel for AS PER PLAN lng.			6			6
" ~~Wood Deck, Material & thickness~~	–		–	–		–
Lower Deck Stringer Plate, breadth and thickness	–		–	–		–
" Angles on ditto, No.	–		–	–		–
" Tie Plates, outside Hatchways	–		–	–		–
" Deck* Material and thickness	–		–	–		–
Hold Stringer Plate	–		–	–		–
" Angles on ditto, No.	–		–	–		–
Poop Deck Stringer Plate, breadth & thickness	–		–	–		–
" Angle on ditto	–		–	–		–
" Tie Plates	–		–	–		–
" Deck, Material and thickness	–		–	–		–
Bridge ~~or Pt. Awning~~ **Deck Stringer Plate,** breadth and thickness	20		5	20		5
" Angle on ditto	2½×2½		5	2½×2½		5
" Tie Plates	7		5	7		5
" Deck, Material and thickness	P. P.		2⅝	P. P.		2⅝
Forecastle Deck Stringer Plate, brdth & thcknss	20		5	20		5
" Angle on ditto	2½×2½		5	2½×2½		5
" Tie Plates	7		5	7		5
" Deck, Material and thickness	P. P.		2⅝	P. P.		2⅝

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

BULKHEADS.

	Number. In Vessel.	Number. Per Rule.	Thickness.	STIFFENERS. Horizontal. Size.	Horizontal. Spacing	Vertical. Size.	Vertical. Spacing	Single or Double Frames.	Height up.
			~~16ths~~ 30ths.	Inches.	Inches.	Inches.	Inches.		
W.T. BULKHEADS	3	3	5	3×3×6/16	48	3×3×6/16	30	Double	Deck
						5×3×8/16 B.A.			
PARTITION "						FORE PEAK BHD			
LONGITUDINAL "									

Are the outside Plates doubled two spaces of Frames in length? YES.

Are the Sluice Valves and Watertight Doors in efficient working order? NONE.

Rpt. 1A. 5c.2,7.

PLATING. / RIVETING.

STRAKES.	As in ship: Amidship Breadth (Inches)	As in ship: Amidship Thickness (20ths)	As in ship: Forward Thickness (20ths)	As in ship: Aft Thickness (20ths)	Per Rule or as Approved: Amidship Breadth (Inches)	Per Rule: Thickness (16ths or 20ths)	Edges (Ordinary or Joggled? ORDINARY): Single or Double	Breadth of Lap (Inches)	Rivets Diam. (Inches)	Rivets Spacing cr. to cr. (Inches)	Butts: Double or Treble and for what Length	Butts Rivets Diam. (Inches)	Butts Rivets Spacing cr. to cr. (Inches)	Straps Breadth (Inches)	Straps Thickness (20ths)	If Lapped Breadth (Inches)	If Lapped For what Length (Feet)
Flat Plate Keel (If Bar Keel, state Riveting)		BAR	KEEL				DOUBLE	6	1	5							
Garboard or A Strake	34	9	8	8	34	9	"	4½	¾	3·3⅜	Dbl. full L.	¾	2⅝	9¾	9		
B (State actual thickness in way of Double Bottom.)	53½	8	8	8	53½	7	"	"	"	"	Tbl. ½ L.	"	"			7½	½ L.
C	44½	8	7	7	44½	7	"	"	"	"	"	"	"			"	"
D	53½	7	6	6	53½	7	"	"	"	"	"	"	"			"	"
E	42	7	6	6	42	7	SINGLE	2½	"	"	"	"	"			"	"
F	51	7	6	6	51	7	DOUBLE	5¼	7/8	3½-4	"	"	"			"	"
SHEER. G	33	12	8	7	33	12					Dbl. full L.	7/8	3⅞	11¼	13		
H																	
J																	
K																	
L																	
M																	
N																	
O																	
P																	
Doubling of Flat Plate Keel																	
Length and thickness of Bilges																	
of Sheerstrakes																	
of Strake below																	
Poop Sides																	
Raised Quarter Dk. Sides		7/20															
Bridge Sides		6/20															
Forecastle Sides		5/20															
Lengths of Plating		SEVEN SPACES.															

Write 'Sheer Strake' opposite its corresponding letter.

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.? Palmers Shipbuilding and Iron Co. (Lim.): John Spencer & Sons. (Lim) South Durham Steel & Iron Co. (Lim) and Consett Iron Co. (Lim) Open-hearth process.

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

Main Stringer Plate { Butts, ~~treble~~ DOUBLE riveted for FULL length ~~amidship~~. ~~Straps, single, double or~~ & overlapped for FULL length ~~amidship~~

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? DOUBLE

Inner Bottom Plating, riveting of **Edges** Single. **Butts** Centre & margin lapped and 2R. remainder lapped & single riveted.

Centre Girder Butts, TREBLE riveted. **Keelson Butts,**

Frames, riveted through Plates with ¾ in. Rivets, about 5¼ apart.

Rivets, state whether of Iron or Steel Iron.

FRAMES extend in one length from Centre line to margin pl. & margin pl. to gunwale state if ordinary or joggled ordinary

REVERSED FRAMES on floors and frames extend from Centre line to margin plate and margin plate to side stringer and gunwale alternately state if ordinary or joggled –"–

MASTS, SPARS, &c.

	Material.	Total length.	Diameter and Thickness: At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles: Number.	Size.	Riveting: Seams.	Butts.
Lower Masts — Fore	P.P.	51'	14	14			∫	∫	∫	∫	∫
Main	"	51'	14	14							
Mizen	"	38'	10½	10½							
Bowsprit											

Topmasts, Yards and Remainder of **Spars** P.P. derricks.

Rigging, Material and Size, **Shrouds** GALV^D STEEL WIRE F&M. 2¾": MIZZEN 2½". **Stays** F.S. 3": M.S. 2¾: MIZ: 2½".

Sails. One. Suit of Fore and Aft. Sails and the following spare sails none.

Equipment No. 8863·27 Letter h. Tonnage U.Dk. or Plating No. for Trawlers ✓

ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex Stock Cwts.	qrs.	lbs.	Weight of Stock Cwts.	qrs.	lbs.	Test, per Certificate Tons.	Cwts.	qrs.	lbs.	Weight Required by Table 22 Cwts.	qrs.	lbs.	Description of Anchor. (If Patent state Name of Patentee.)	Makers.	Where and when tested and Superintendent. (If Stockless, state Mechanical Tests.)
34910	1st Bower	12	2	18	STOCKLESS			14	8	1	21	12	2	0	TAYLORS W.I. STOCKLESS.	NOT STATED.	TIPTON. 31·3·09. C.E. PERRINS
34911	2nd "	12	2	24	–"–			14	10	2	14	12	2	0	–"–	–"–	–"– –"–
34912	3rd "	10	2	10	–"–			12	10	3	21	10	2	0	–"–	–"–	–"– –"–
	Collective weight	35	3	24								35	2	0			
34879	Stream	4	0	7	1	0	7	6	7	2	0	4	0	0	ORDINARY. I.S.	–"–	–"– 25·3·09 –"–
34880	Kedge	1	3	21	-	2	0	4	7	0	21	1	3	0	–"–	–"–	–"– –"– –"–

CHAIN CABLES.

Number of Certificate.	Length supplied (Fathoms)	Diam. supplied (Ins.)	Test Statutory (Tons)	Test Breaking (Tons)	Weight of Chain Cable Supplied (Cwts. qrs. lbs.)	Per Table 22 (Cwts. qrs. lbs.)	Length per Table 22 (Fathoms)	Diam. per Table 22 (Ins.)	Description.	Makers of Cables.	Where and when tested and Superintendent.
36062	195	1⅛"	22¾	34⅛	126·3·5	126·1·0	195	1⅛"	STUD LINK.	NOT STATED.	TIPTON. 3·4·09. C.E. PERRINS
~~Iron Stream Chain~~ ~~or~~ Steel Wire	60	Cir. 2¾	-	15½	-	-	60	Cir. 2¾	Steel Wire.	Craven & Speeding Bros.	11th May 09.

HAWSERS AND WARPS.

Material.	Length supplied (Fathoms)	Cir. (Ins.)	Breaking Test of Steel Wire Towline (Tons)	Length per Table 22 (Fathoms)	Cir. (Ins.)
Towline	75	2¾	15½	75	2¾
Hawsers & Warps	90	4½	·	90	4½
" "	90	4½	·	90	4½
" "					

Boats Two Lifeboats 16'6" × 6'0" × 2'4½". One Dinghy 15'0" × 5'0" × 1'9".

Pumps, Number Three. Diameter of Barrel 4" State whether they are in efficient working order Yes.

Windlass is Emerson, Walker & Thompson Bros (Steam) **Capstan** J. Reid & Co (Steam)

Engine Room Skylights.—How constructed? Steel plates and angles and cast-iron flaps.

What arrangements for deadlights in bad weather? Bulls eyes.

Coal Bunker Openings.—How constructed? Steel plates How are lids secured? Wood hatch covers & tarpaulin Height above deck? 7'7"

Number of **Scuppers,** and number and dimensions of **Freeing Ports,** &c. 4 Main deck, 12 R.Q.D^K. 6 Main dk 2'6" × 1'6". 6 R.Q.D^K. 2'0" × 1'6".

Ceiling in Holds, thickness and material 2½" White wood. **Cargo Battens,** thickness and material 2" close ceiling W.W.

Cargo Hatchways.—How formed? Steel plates and angles **Hatches.**—If strong and efficient? Yes. 3"

State size **No. 1 Hatch** (Forward) 24'6" × 15'0". **No. 2 Hatch** 25'3" × 15'0" **No. 3 Hatch** ✓ **No. 4 Hatch** ✓

Number of **Web Plates, Shifting Beams,** and **Fore and Afters** to each Hatch Five Web plates in each hatch.

No. of Breasthooks One; Tanktop & D^o. **No. of Crutches** Deep Floors.

Bulwarks, height above deck and description 4'0" M.D^K. 3'3" R.Q.D. 5/20". Main Rail and Stays, material and size 5 × 2½ × 7/20" B.A. 2½ × 1¼ HALF ROUND. Stays 6 × ⅜ B.P.

The above is a correct description.

Builder's Signature (here only). Jas. I. Ellingham & Co. *Surveyor's Signature* M. Macleod.

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

Rpt. 1A.

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made to any correspondence connected with the case*) M. 8/1/09. M. 13/1/09. M. 23/2/09. E. 15/3/09.

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 faying surfaces? Yes. Do any rivets break into or through the seams or butts of the plating? A very 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)? Yes. State results of tests Good.

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? Yes. State results of tests Good.

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

This vessel has been built in accordance with the approved plans and Secretary's letters and otherwise in general conformity with the Rules. The materials and workmanship are good.

Plans of approved midship section, profile, sternpost & rudder and pumping arrangement, also forging certificates are forwarded herewith.

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~~ 93 ft., Bridge Dk. 12 ft., F'castle 24 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 The raised quarter-deck and bridge dk are joined.

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 D^K (Steel.)

Official No. ; Signal Letters . State if Machinery is fitted aft Yes.

How are the surfaces preserved from oxidation? Inside Paint & Cement Outside Paint.

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	∫	∫	Fore peak tank,	19	37
Double bottom, under Engines and Boilers,			After peak tank,	4	1
Double bottom, if under Engines only,			Deep tank, aft		
Double bottom, if under Boilers only,			Deep tank, forward		
Double bottom, forward,	91	97	Other tanks, if fitted,		
Total capacity of double bottom		97	(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. 4091 Date 3-3-09 No. 271 in builder's yard.

Dates of Surveys held while building: 1909 Feb. 9·12·19·25. Mar. 8·16·24·30. Apr. 5·15·19·23·26. May 11·13·24. Jun 2·5.

Total No. of Visits 18

The amount of Entry Fee £ 2 : 0 : 0. Special £ 22 : 8 : 0. Travelling Expenses, if any £ : : Fees applied for, 11 JUN 1909 Received by me, 13/7/1909 14/7/09

Certificate to be sent to Newcastle-on-Tyne.

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

M. Macleod.

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

The Surveyors are requested not to write on or below the Committee's Minute.

Committee's Minute TUES. 15 JUN 1909

Character assigned 100 A1

Lloyds A&C.P. + LMC 6.09 Elec. light

002079-002084-0125 2/2