

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

# IRON OR STEEL STEAMER.

No. 20,018  
WED. 6 MAY 1900

State of Report is also sent on the Machinery of the Vessel  
Date of completion of Report *May 5<sup>th</sup> '08* Port of Hull  
Date, First Survey *Nov 13/07* Last Survey *April 23<sup>rd</sup> 1908.*  
Rig *Ketch*

Survey held at *Essex*  
On the *Steam Sander "PINTAIL."*  
TONNAGE under Tonnage Deck *184.59*  
Do. of Poop  
Do. of Raised Or. Dk. or Break. . .  
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 *198.53*  
Less Crew Space *20.21*  
Less above Crown of Engine Room . .  
TONNAGE FOR FEES *140.02*  
Less Engine Room *98.89*  
Less Navigation Spaces *16.48*  
+ Above Crown of Engine Room *8.30*  
Register Tonnage as cut on Beam *62.95*

ONE OR TWO DECKED VESSEL.  
CLASS *100A1, Steam Sander.*  
Half Breadth (moulded) *10.75*  
Depth from upper part of Keel to top of Main Deck Bms. *13.00*  
Girth of Half Midship Frame (as per Rule) *19.16*  
1st Number *42.91*  
Length on deck from after part of stem to fore part of stern post *108.875*  
2nd Number *46.41*  
Proportions—Breadths to Length *5.06*  
Depths to Length—Main Deck to top of Keel *9.34*  
Destined Voyage *Fishing*

Master *W. Shalen*  
Year of appointment *(1) As master in service of owner of present vessel:—19 (2) As master of this vessel:—19*  
Built at *Essex*  
When built *1908* Launched *19<sup>th</sup> March*  
By whom built *Good Shipbuilding & Rep. Co. Ltd.*  
Owners *Kellogg Brothers & Buching Co. Ltd.*  
Managers *(Where necessary to be entered in Reg. Book.)*  
Residence *Hull.*  
Port belonging to *Hull.*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	Feet.	Inches.	No. of Decks with Flat laid	No. of Tiers of Beams
	108	10 <sup>1</sup> / <sub>2</sub>		21	6		11	8	One	One

Dimensions of Ship per Register, Length, 110-0 breadth, 21-6 depth, 11-6<sup>7</sup> Moulded Depth, 12 ft. 6 ins. Round of Beam, Actual 6 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, <i>7 E or L Bars</i> for $\frac{1}{2}$ length amidships	4 <sup>1</sup> / <sub>2</sub>	3	8	4 <sup>1</sup> / <sub>2</sub>	3	8
Do. for $\frac{1}{4}$ at each end						
Do. in way of Double Bottoms at Solid Floors.						
Spacing " Frames from centre to centre		21			21	
REVERSED FRAME, Angles		<i>8 floor, flanged.</i>			<i>4<sup>1</sup>/<sub>2</sub></i>	
DEEP FRAMING, depth of girder		4 <sup>1</sup> / <sub>2</sub>			4 <sup>1</sup> / <sub>2</sub>	
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	16		6	16		6
" in way of Engines and Boilers	<i>E 10, B 8</i>					10-8
" thickness at the ends of vessel		6			6	
" depth at $\frac{3}{4}$ the half breadth, as per Rule	<i>Straight</i>			<i>across</i>		
" height extended at the Bilges	<i>21</i>			<i>plan</i>		
FLOORS & BRACKETS, in Cell Dble Bottoms						
" " state if flanged (top & bottom)						
" " Spacing						
CENTRE GIRDER, in Double Bottom, depth and thickness						
" " Angles, Top						
" " " Bottom						
SIDE GIRDERS, number on each side & thickness						
" " state if flanged (top & bottom)						
" " Angles						
MARGIN PLATE, depth (exclusive of flange) and thickness						
" " Angles to Outside Plating						
" " Floors						
" " Height of Floors at the Bilges						
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						
" " thickness in Engine and Boiler space						
" " Remainder in Holds						
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5 <sup>1</sup> / <sub>2</sub>	3	8	5 <sup>1</sup> / <sub>2</sub>	3	8
" " Angles on Upper Edge						
" " Spacing	42			42		
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						
" " Angles on Upper Edge						
" " Spacing						
PILLARS, In 'tween Decks, Size and Spacing						
" " Hold						
" " Quarter, 'tween Dks., " "	2 <sup>1</sup> / <sub>2</sub>			<i>As arranged.</i>		
" " 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						

FORGINGS AND CASTINGS.		Inches in Ship.		Inches per Rule Or as Approved.			
KEEL, Bar or Side Plates depth and thickness		$4\frac{1}{2} \times 1\frac{1}{8}$		$4\frac{1}{2} \times 1\frac{1}{8}$			
STEM, moulding and thickness. (Bulb plate.)		$4\frac{1}{2} \times 1\frac{1}{8}$		$4\frac{1}{2} \times 1\frac{1}{8}$			
STERN-POST for Rudder do. do.		$6 \times 2\frac{1}{2}$		$6 \times 2\frac{1}{2}$			
" for Propeller		$4\frac{1}{4}$		$4\frac{1}{4}$			
MAIN PIECE of Rudder, diameter at head.... do. at heel ....		$2\frac{3}{4} \times 2\frac{1}{2}$		$2\frac{3}{4} \times 2\frac{1}{2}$			
RUDDER, how constructed <i>Forged iron frame, 2 plates</i> Can the Rudder be unshipped afloat? <i>Yes</i>							
KEELSONS AND STRINGERS.							
		Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.		
CENTRE LINE KEELSON, Vertical Plate above floors, <i>Bulb</i> Through Plate, or Intercoastal Plate)		$8\frac{1}{2}$		$8\frac{1}{2}$	8		
" Rider Plate.....		✓					
" Bulb Plate to Intercoastal Keelson.....		✓					
" Horizontal Plates on Floors.....		✓					
" Angles.....		4	3	10	4 3 10		
SIDE KEELSON, Angles.....		✓					
" Bulb or Plate above floors for lng.		✓					
" Intercoastal Plate for length		✓					
" Attached to outside plating with Angle..		✓					
BILGE KEELSON, Angles .. ( <i>B.M.</i> ).....		5	4	10	5 4 10		
" Bulb or Plate above floors for lng.		✓					
" Intercoastal Plate for length		✓					
" Attached to outside plating with Angle..		✓					
BILGE STRINGER Angles .....		✓					
" Bulb Plate for length		✓					
" Intercoastal Plate for length		✓					
" Attached to outside plating with Angle		✓					
SIDE STRINGER Angles .. ( <i>B.M.</i> ).....		5	4	8	5 4 8		
" Bulb or Intercoastal Plate for lng.		✓					
" Attached to outside plating with Angle		✓					
Main and Raised Quarter Deck Stringer Plate, breadth and thickness .....		23	6	23	6		
" Angle on ditto.....		3 x 3	6	3 x 3	6		
" Tie Plates, outside Hatchways .....		$8\frac{1}{2}$	6	$8\frac{1}{2}$	6		
" Diagonal Tie Plates on Bms., No. of Pairs							
" Main Dk* <del>Iron</del> or Steel for <i>space</i> lng.			5		5		
" R. Q. Dk* Iron or Steel for lng.							
" Wood Deck, Material & thickness <i>P.P. in</i>		3		3			
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. ....}		✓					
" Angle on ditto.....		✓					
" Tie Plates .....		✓					
" Deck, Material and thickness		✓					
Forecastle Deck Stringer Plate, brdth & thcknss		✓					
" Angle on ditto.....		✓					
" Tie Plates .....		✓					
" Deck, Material and thickness		✓					
* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.							
BULKHEADS.		Number.		STIFFENERS.		Single or Double Frames.	Height up
		In Vessel.	Per Rule.	Thickness.			
				Horizontal.	Vertical.		
				Size.	Spacing.	Size.	Spacing.
				Inches.	Inches.	Inches.	Inches.
W.T. BULKHEADS		3	3	6.5	$3 \times 2\frac{1}{2} \times \frac{5}{16}$	48	30
PARTITION "		✓					
LONGITUDINAL,,		✓					
Are the outside Plates doubled two spaces of Frames in length? <i>Diamond plating fitted</i>							
Are the Stave Valves and Watertight Doors in efficient working order? <i>Yes</i>							



PLATING.										RIVETING.									
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.				
STRAKES.					Single or Double.					RIVETS.					IF LAPPED.				
Breadth. Thickness. Thickness. Thickness.					Breadth. Thickness. Thickness. Thickness.					Breadth. Thickness. Thickness. Thickness.					Breadth. Thickness. Thickness. Thickness.				
<b>FLAT PLATE KEEL</b> (If Bar Keel, state Riveting) <b>GARBOARD OR A STRAKE</b> ... 41 7 7 7 41 7 7 7 State actual thickness in way of Double Bottom. ... D " ... 7 6 6 7 E " ... 32 9 8 8 32 9 F " ... G " ... H " ... J " ... K " ... L " ... M " ... N " ... O " ... P " ...										Double or Treble and for what Length. ... Rivets. ... Straps. ... If Lapped. ...									
<b>DOUBLING OF FLAT PLATE KEEL</b> ... Length and thickness of Bilges ... Length and thickness of Sheerstrakes ... Length and thickness of Strake below ... <b>POOP SIDES</b> ... <b>RAISED QUARTER DECK SIDES</b> ... <b>BRIDGE SIDES</b> ... <b>FORECASTLE SIDES</b> ... <b>LENGTHS OF PLATING</b> ...										Butts, 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? ... Inner Bottom Plating, riveting of Edges ... Centre Girder Butts, riveted. Keelson Butts, riveted. Frames, riveted through Plates with ... in. Rivets, about ... apart. Rivets, state whether of Iron or Steel ...									
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.? ... Has the Steel been tested as required by the Rules ... <b>FRAMES</b> extend in one length from ... to ... state if ordinary or joggled ... <b>REVERSED FRAMES</b> on floors and frames extend from ... state if ordinary or joggled ...																			
<b>MASTS, SPARS, &amp;c.</b> LOWER MASTS ... Fore ... Main ... Mizzen ... Bowsprit ... Topmasts, Yards and Remainder of Spars ... Rigging, Material and Size, Shrouds ... Sails ... <b>Equipment No.</b> ... <b>Letter</b> ... <b>Tonnage U.D.K. or Plating No. for Trawlers</b> ...																			
<b>ANCHORS.</b> Number of Certificate. Anchors. Weight, Ex Stock. Weight of Stock. Test, per Certificate. Description of Anchor. Makers. Where and when tested and Superintendent. 32445 1st Bower ... 32444 2nd " ... 32451 3rd " ... Collective weight ... Stream ... Kedg ...																			
<b>CHAIN CABLES.</b> 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. 33512 40 15 15 23 10 40 2 15 90 15 16 ...																			
<b>HAWSERS AND WARPS.</b> 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. 33512 40 15 15 23 10 40 2 15 90 15 16 ...																			
<b>Boats</b> ... <b>Pumps</b> , Number ... Diameter of Barrel ... State whether they are in efficient working order ... <b>Windlass</b> is by ... <b>Engine Room Skylights</b> —How constructed? ... What arrangements for deadlights in bad weather? ... <b>Coal Bunker Openings</b> —How constructed? ... Number of Scuppers, and number and dimensions of Freeing Ports, &c. ... <b>Ceiling in Holds</b> , thickness and material ... <b>Cargo Hatchways</b> —How formed? ... State size No. 1 Hatch (Forward) ... No. 2 Hatch ... No. 3 Hatch ... No. 4 Hatch ... Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch ... <b>Bulwarks</b> , height above deck and description ... The above is a correct description. Builder's Signature ... Surveyor's Signature ...																			

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

(M) 11-5-07.

**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)? *Saunders* 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 letters of the above dates and in general conformity to the Rules for the class contemplated.*

*Accompanying this Report, Plan of Midship Section, and report on Ships Sargings.*

*This is a sister vessel to the "Mastwing," "Willit," etc. Hull Reports No 19964, 19445, etc.*  
 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 ... ft., Bridge Dk. ... ft., F'castle ... 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. *124830*; Signal Letters ... State if Machinery is fitted aft *Yes*.

How are the surfaces preserved from oxidation? Inside *Portland Cement and Paint* 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.	✓	
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.	✓	22.75
Double bottom, forward.	✓		Other tanks, if fitted.	✓	40

Total capacity of double bottom ...  
 \* 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. *1704*  
 Date *21/6/07*  
 No. *110* in builder's yard

Dates of Surveys held while building  
*1907: Nov 13. 15. 21. 25. 27. Dec 2. 6. 16. 19. 23. 30. 1908: Jan 1. 3. 14. 16. 22. 27. 30. Feb 1. 5. 11. 14. 18. 20. 25. 28. Mar 4. 6. 13. 17. 19. 24. 26. Apr 1. 2. 10. 15. 23.*

Total No. of Visits *38*

The amount of Entry Fee ...  
 Special ...  
 Travelling Expenses, if any ...  
 State whether the Vessel has been built under Special Survey *Yes.*  
 I am of opinion this Vessel should be Classed *\*100 A1 "Steam Trawler."*  
 With, or without Freeboard, as condition of Class *Without.*

Committee's Minute *FRI. 8 MAY 1908*  
 Character assigned *100 A1 (S.S.)*  
*Stm Trawler*  
*Lloyds accp Home 4.08*

Surveyor's Signature *Allison B. Wilson*  
 Surveyor to Lloyd's Register of British and Foreign Shipping.