

for 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 *9th October 1907*

Date, First Survey *April 27th*

Port of Hull

Last Survey

No. 19510
THUR. 17 OCT 1907

Received at London Office

Rig Ketch

Survey held at *Goole*

On the *Steam Scauler "TERN."*

TONNAGE under
Tonnage Deck... *187.59*

Do. of Poop

Do. of Raised Qr.

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Deck *2.64*

Do. of excess of Hatchways

Do. above Crown of *8.30*

Engine Room *195.53*

Gross Tonnage *20.21*

Free Space *20.21*

Do. above Crown of *8.30*

Engine Room *170.02*

Navigation Spaces *98.89*

Crown of Engine Room *16.48*

Net Tonnage *8.30*

Net on Beam *62.95*

ONE OR TWO DECKED VESSEL.

CLASS *100 A1* Steam Scauler.

Master *✓*

Year of appointment

Built at *Goole*

When built *1907*

Launched *22nd August*

By whom built *Goole Shipbuilding & Repairing Co. Ltd.*

Owners *Kelsall Brothers & Beuching Co. Ltd.*

Managers

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

Residence *Hull*

Port belonging to *Hull*

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 *4671*

Proportions—Breadths to Length *5.06*

Depths to Length—Main Deck to top of Keel *8.34*

Destined Voyage *Xichang* If Surveyed while Building, Afloat, or in Dry Dock *Yes*

BREADTH on Deck as 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 on	No. of Tiers of Beams
	108	10 1/2		21	6		11	8	one	one

Dimensions of Ship per Register, Length, *110-0* breadth, *21-6* depth, *11-67* Moulded Depth, *12* ft. *6* ins. Round of Beam, Actual *6* ins.

FRAMING.			FORGINGS AND CASTINGS.		
ME, Angles, <i>7 E or L</i> Bars, for 1/2 length amidships	Inches in Ship.	Inches per Rule.	KEEL, Bar or Side Plates depth and thickness	Inches in Ship.	Inches per Rule.
for 1/2 at each end	4 1/2	3	STEM, moulding and thickness. <i>Rule</i>	7 1/2	1 3/8
in way of Double Bottoms at Solid Floors.	✓	✓	STERN-POST for Rudder do. do.	6	2 1/2
" " at intermdt. Bkts.	✓	✓	" for Propeller	4 1/2	4 1/2
ing of Frames from centre to centre	21	21	MAIN PIECE of Rudder, diameter at head	3 1/4	2 1/2
ERSED FRAME, Angles	8	10	do. at heel	2 1/2	2 1/2
P FRAMING, depth of girder	4 1/2	4 1/2	RUDDER, how constructed <i>Forged iron frame. 2 plates</i>		
ORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	16	6	Can the Rudder be unshipped afloat? <i>Yes</i>		
in way of Engines and Boilers	10	8	KEELSONS AND STRINGERS.		
thickness at the ends of vessel	6	6	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	8 1/2	8 1/2
depth at 1/2 the half breadth, as per Rule	✓	✓	" Rider Plate	✓	✓
height extended at the Bilges	✓	✓	" Bulb Plate to Intercoastal Keelson	✓	✓
ORS & BRACKETS, in Cell Dble Bottoms	✓	✓	" Horizontal Plates on Floors	✓	✓
" state if flanged (top & bottom)	✓	✓	" Angles	4	3
" Spacing	✓	✓	SIDE KEELSON, Angles	✓	✓
TRE GIRDER, in Double Bottom, depth and thickness	✓	✓	" Bulb or Plate above floors for lng.	✓	✓
" Angles, Top	✓	✓	" Intercoastal Plate for length	✓	✓
" Bottom	✓	✓	" Attached to outside plating with Angle	✓	✓
E GIRDERS, number on each side & thickness	✓	✓	BILGE KEELSON, Angles	5	4
" state if flanged (top & bottom)	✓	✓	" Bulb or Plate above floors for lng.	✓	✓
Angles	✓	✓	" Intercoastal Plate for length	✓	✓
GIN PLATE, depth (exclusive of flange) and thickness	✓	✓	" Attached to outside plating with Angle	✓	✓
Angles to Outside Plating	✓	✓	BILGE STRINGER Angles	✓	✓
Floors	✓	✓	" Bulb Plate for length	✓	✓
Height of Floors at the Bilges	✓	✓	" Intercoastal Plate for length	✓	✓
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake	✓	✓	" Attached to outside plating with Angle	✓	✓
" thickness in Engine and Boiler space	✓	✓	SIDE STRINGER Angles	5	4
" Remainder in Holds	✓	✓	" Bulb or Intercoastal Plate for lng.	✓	✓
MS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	" Attached to outside plating with Angle	✓	✓
Angles on Upper Edge	✓	✓	Main and Raised Quarter Deck Stringer Plate, breadth and thickness	23	6
Spacing	42	42	" Angle on ditto	3	3
MS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	✓	✓	" Tie Plates, outside Hatchways	8 1/2	6
Angles on Upper Edge	✓	✓	" Diagonal Tie Plates on Bms., No. of Pairs	✓	✓
Spacing	✓	✓	" Main Dk* <i>Iron</i> Steel for <i>space</i> lng.	5	5
MS, Hold, Plate or Tee Bulb	✓	✓	" R. Q. Dk* Iron or Steel for lng.	✓	✓
Angles on Upper Edge	✓	✓	" Wood Deck, Material & thickness <i>P. Pin</i>	3	3
Spacing	✓	✓	Lower Deck Stringer Plate, breadth and thickness	✓	✓
MS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	✓	✓	" Angles on ditto, No.	✓	✓
Angles on Upper Edge	✓	✓	" Tie Plates, outside Hatchways	✓	✓
Spacing	✓	✓	" Deck* Material and thickness	✓	✓
MS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle Plate, or Tee Bulb	✓	✓	Hold Stringer Plate	✓	✓
Angles on Upper Edge	✓	✓	" Angles on ditto, No.	✓	✓
Spacing	✓	✓	Poop Deck Stringer Plate, breadth & thickness	✓	✓
MS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	✓	✓	" Angle on ditto	✓	✓
Angles on Upper Edge	✓	✓	" Tie Plates	✓	✓
Spacing	✓	✓	" Deck, Material and thickness	✓	✓
LARS, In 'tween Decks, Size and Spacing	✓	✓	Bridge or Pt. Awning Deck Stringer Plate, breadth and thickness	✓	✓
" Hold	✓	✓	" Angle on ditto	✓	✓
" Quarter, 'tween Dks.,	✓	✓	" Tie Plates	✓	✓
" in Hold	✓	✓	" Deck, Material and thickness	✓	✓
WEB FRAMES, In Fore Body, No. and Spacing	✓	✓	Forecastle Deck Stringer Plate, brdth & thcknss	✓	✓
" No. of Side Stringers	✓	✓	" Angle on ditto	✓	✓
WEB FRAMES, In E. & B. Space, No. & Spacing	✓	✓	" Tie Plates	✓	✓
" No. of Side Stringers	✓	✓	" Deck, Material and thickness	✓	✓
WEB FRAMES, In After Body, No. and Spacing	✓	✓	Are the outside Plates doubled two spaces of Frames in length? <i>Diamond plate fitted</i>	✓	✓
" No. of Side Stringers	✓	✓	Are the Staircase Valses and Watertight Doors in efficient working order? <i>Yes</i>	✓	✓
" Size of Angles or Tee Bars to Web Frames	✓	✓			
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	✓	✓			

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		Sawn Edges.		Double or Treble and for what Length.		RIVETS.		STRAPS.		IF LAPPED.				
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		RIVETS.		STRAPS.		IF LAPPED.						
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	Thickness.			
FLAT PLATE KEEL (If Bar Keel, state Riveting) GARBOARD OR A STRAKE	41	7	7	7	41	7	7	7	1	5	25	9	7	5	7	5			
State actual thickness in way of Double Bottom.		6	5	5	6	6	6	6	2	3	25	9	7	5	7	5			
B		6	5	5	6	6	6	6	2	3	25	9	7	5	7	5			
C		6	5	5	6	6	6	6	2	3	25	9	7	5	7	5			
D		7	6	6	7	7	7	7	2	3	25	9	7	5	7	5			
E		7	6	6	7	7	7	7	2	3	25	9	7	5	7	5			
Shur	32	9	8	8	32	9	8	8	2	3	25	9	7	5	7	5			
G																			
H																			
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																			
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. <i>Mild Steel</i>										Main Stringer Plate { Butts, treble 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? <i>3+D</i> . Inner Bottom Plating, riveting of Edges Butts Centre Girder Butts, riveted. Keelson Butts, Treble riveted. Frames, riveted through Plates with <i>2 1/2</i> in. Rivets, about <i>5</i> apart. Rivets, state whether of Iron or Steel <i>Iron</i>									
Has the Steel been tested as required by the Rules <i>Yes</i> .										FRAMES extend in one length from <i>Keel</i> to <i>gunwale</i> state if ordinary or joggled <i>Ordinary</i> REVERSED FRAMES on floors and frames extend from <i>Floors flanged (Single angle frame)</i> state if ordinary or joggled <i>Ordinary</i>									
MASTS, SPARS, &c.										ANCHORS.									
Lower Masts... Fore <i>Pine</i> 39-0 13 Main <i>Steel</i> 31-6 12 Mizzen <i>Steel</i> 31-6 12										Tonnage U.D.K. or Plating No. for Trawlers <i>4671</i>									
Bowsprit <i>Yes</i> Topmasts, <i>Yes</i> and Remainder of Spars <i>Pitch pine</i> Rigging, Material and Size, Shrouds <i>Sails</i> <i>2 1/2</i> Stays <i>Sails</i> <i>3 1/2</i> Sails. <i>One</i> Suit of Sails and the following spare sails <i>Yes</i>										Equipment No. <i>Letter</i> <i>ANCHORS.</i>									
Number of Certificate. Anchors. Weight, Ex. Stock. Weight of Stock. Test, per Certificate. Weight Required by Table 22. Description of Anchor. Makers. Where and when tested and Superintendent.										Number of Certificate. Length and size supplied. Test per Certificate. Weight of Chain Cable. Length and size per Table 22. Description. Makers of Cables. Where and when tested and Superintendent.									
2383 1st Bower 4 3 5 1 12 7 5 0 0 4 3 0 <i>Rodgers</i> <i>Phosphor Bronze</i> <i>L.P.H.C.H. 27-7-07 Dudley</i>										3322 45 15 15 15 21-1-5 40-2-13 90 <i>Steel</i> <i>R. Rogers</i> <i>L.P.H.C.H. 27-7-07 Dudley</i>									
2384 2nd " 4 1 20 1 0 24 6 15 0 0 4 1 0 <i>"</i> <i>"</i> <i>"</i>										3511 44 15 15 15 20-1-20 2 <i>Steel</i> <i>"</i> <i>"</i>									
2385 3rd " 2 2 10 2 18 5 2 2 0 2 2 0 <i>"</i> <i>"</i> <i>"</i>										Iron Stream Chain or Steel Wire <i>41-2-25</i>									
Boats <i>One</i> Pumps, Number <i>Three</i> Diameter of Barrel <i>6-4 1/2</i> State whether they are in efficient working order <i>Yes</i> Windlass is by <i>Hemmel + Snow</i> Capstan <i>Yes</i> Engine Room Skylights—How constructed? <i>Deck</i> What arrangements for deadlights in bad weather? <i>Deck flaps and bullseyes</i> Coal Bunker Openings—How constructed? <i>Cast iron rings</i> How are lids secured? <i>Screwed</i> Height above deck? <i>Flush</i> Number of Scuppers, and number and dimensions of Freeing Ports, &c. <i>On each side, 6 Scuppers. Three Ports 24" x 12"</i> Ceiling in Holds, thickness and material <i>2" pine</i> Cargo Battens, thickness and material <i>Yes</i> Cargo Hatchways—How formed? <i>Plates and angles</i> Hatches—If strong and efficient? <i>Yes</i> State size No. 1 Hatch (Forward) <i>2-6 x 2-6</i> No. 2 Hatch <i>3-6 x 3-6</i> No. 3 Hatch <i>Yes</i> No. 4 Hatch <i>Yes</i> Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch <i>Yes</i> No. of Breasthooks <i>Four</i> No. of Crutches <i>One</i> Bulwarks, height above deck and description <i>2-9 x 2-9</i> Main Rail and Stays, material and size <i>7 x 3 1/2" Steel B.A.</i> The above is a correct description. <i>THE GOOLE SHIPBUILDING & REPAIRING CO LTD</i> Surveyor's Signature <i>Allison B. Wilson</i> Builder's Signature <i>M. Wood</i> 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) 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)? *Trawler* 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 dates and in general conformity with the Rules for the class contemplated.

Accompanying this Report;—Plans of Midship Section, Profile, and Report on Ships Gorgings.

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.* 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, <i>✓</i>			Fore peak tank, <i>✓</i>		
Double bottom, under Engines and Boilers, <i>✓</i>			After peak tank, <i>✓</i>		
Double bottom, if under Engines only, <i>✓</i>			Deep tank, aft, <i>✓</i>		
Double bottom, if under Boilers only, <i>✓</i>			Deep tank, forward <i>✓</i>		
Double bottom, forward, <i>✓</i>			Other tanks, if fitted, <i>✓</i>		
Total capacity <i>✓</i>			(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. *1704* 1907: Apr 27 May 1, 3, 7, 10, 13, 21, 24, 27, 31 June 3, 7, 8, 10, 13, 19, 21, 24, 27, 28 July 3, 7, 8, 10, 12, 22, 26 Aug 4, 7, 14, 19, 26, 28 Sep 4, 6, 9, 18, 24, 28 Oct 1

Date *21/6/07* in builder's yard

No. *99* Dares of Surveys held while building

Total No. of Visits *39*

The amount of Entry Fee *£ 1 : 10 : 0* Fees applied for, *16/10/07* Certificate to be sent to *Hull*

Special *£ 8 : 10 : 0* Received by me, *11/11/07*

Travelling Expenses, if any *£ 1 : 0 : 6* *31/10/07*

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 18 OCT 1907*

Character assigned *100 A1 Steam Trawler*

Lloyds & Co. Ltd *1007*

Robt Wilson *28/6/07*

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