

1st 2 Dks., R.O. Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

HOPPER BARGE

No. 24762
TUES. JAN 1 1907

State if Report is also sent on the Machinery of the Vessel *Yes*
Date of completion of Report *19th Dec^r 06*
Date, First Survey *17th May*

Received at London Office,
Port of *Glasgow*
Last Survey *16th Nov^r 1906*
Rig *Cutter*

Survey held at *Paisley*
On the *Steel SS.*

Thames Conservancy Hopper No. 5
ONE OR TWO DECKED VESSEL.

CLASS *+1000* for English Channel Purposes

Master *(not appointed)*

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

TONNAGE under Tonnage Deck... 831.86
Do. of Poop...
Do. of Raised Qr. Dk. or Break...
Do. of Bridge House...
Do. of Forecastle...
Do. of Houses on Deck... 75
Do. of excess of Hatchways...
Do. above Crown of Engine Room... 36.45
Gross Tonnage 869.06
Less Crew Space 69.99
Less above Crown of Engine Room... 36.45
TONNAGE FOR FEES... 762.62
Less Engine Room... 412.60
Less Navigation Spaces... 18.03
Crew Space 69.99
Register Tonnage as cut on Beam... 368.44

Half Breadth (moulded) 16.00
Depth from upper part of Keel to top of Main Deck Bms. 18.16
(with the normal round up of beam)
Girth of Half Midship Frame (as per Rule) 31.783
1st Number 65.943
Length on deck from after part of stem to fore part of stern post 196.84
2nd Number 12980
Proportions—Breadths to Length 6.1
Depths to Length—Main Deck to top of Keel 10.8

Built at *Paisley*
When built 1906 Launched 20th October 1906
By whom built *Fleming & Ferguson Ltd*
Owners *Conservancy of the River Thames*
Managers *(Where necessary to be entered in Reg. Book.)*
Residence *London*
Port belonging to *London*

Destined Voyage *London* If Surveyed while Building, Afloat, or in Dry Dock *yes*

LENGTH on Deck as per Rule... 196 Feet. 10 Inches. BREADTH—Moulded... 32 Feet. 0 Inches. DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams... 16 Feet. 6 1/2 Inches. No. of Decks with Flat laid one No. of Tiers of Beams one
Dimensions of Ship per Register, Length, 198.0 breadth, 32.15 depth, 16.35 Moulded Depth, 17 ft. 6 ins. Round of Beam, Actual 8 ins.

FRAMING.				FORGINGS AND CASTINGS.			
	Inches in Ship.	Inches in Ship.	20ths in Ship.		Inches in Ship.	Inches in Ship.	20ths in Ship.
FRAME, Angles, $\frac{3}{4}$ E or $\frac{1}{2}$ Bars, for $\frac{1}{2}$ length amidships	4	3	8	KEEL, Bar or Side Plates depth and thickness	7 x 2 1/2	7 x 2 1/4	
Do. for $\frac{1}{2}$ at each end	4	3	7	STEM, moulding and thickness	7 x 5 1/4	7 x 4 3/4	
Do. in way of Double Bottoms at Solid Floors				STERN-POST for Rudder do. do.	7 x 5 1/4	7 x 4 3/4	
" " " " at intermdt. Bkts.				for Propeller	5 1/2	5 1/2	
Spacing of Frames from centre to centre		23		MAIN PIECE of Rudder, diameter at head	4 x 4 1/4	4 x 4	
REVERSED FRAME, Angles	3	3	8	do. at keel			
DEEP FRAMING, depth of girder				RUDDER, how constructed <i>Single Plate 3/4 chisel forged frame</i>			
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	19 1/2	9	19 1/2	Can the Rudder be unshipped afloat? <i>yes</i>			
" " in way of Engines and Boilers		8					
" " thickness at the ends of vessel		8		KEELSONS AND STRINGERS.			
" " depth at $\frac{1}{2}$ the half breadth, as per Rule				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	9	9	9
" " height extended at the Bilges				" Rider Plate	10 1/2	9	10 1/2
FLOORS & BRACKETS, in way of Double Bottoms	19 1/2	8	19 1/2	" Bulb Plate to Intercoastal Keelson		8	
" " state if flanged (top & bottom)				" Horizontal Plates on Floors	5	3 1/2	5
" " Spacing		23		" Angles	3	3	7
CENTRE GIRDER, in Double Bottom, depth and thickness				" SIDE KEELSON, Angles	6	4	13
" " Angles, Top				" Bulb or Plate above floors for length			
" " " Bottom				" Intercoastal Plate for half length	3	3	7
SIDE GIRDERS, number on each side & thickness state if flanged (top & bottom)				" Attached to outside plating with Angle	3	3	7
" " Angles				BILGE KEELSON, Angles	6	4	13
MARGIN PLATE, depth (exclusive of flange) and thickness				" Bulb or Plate above floors for length			
" " Angles to Outside Plating				" Intercoastal Plate for length			
" " Floors				" Attached to outside plating with Angle	6	4	13
" " Height of Floors at the Bilges				BILGE STRINGER Angles	6	4	13
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake				" Bulb Plate for length			
" " thickness in Engine and Boiler space				" Intercoastal Plate for length			
" " Remainder in Holds				" Attached to outside plating with Angle			
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	6	3	8	SIDE STRINGER Angles			
" " Angles on Upper Edge				" Bulb or Intercoastal Plate for length			
" " Spacing		23		" Attached to outside plating with Angle			
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8	3	10	Main and Raised Quarter Deck Stringer Plate, breadth and thickness	30	10	30
" " Angles on Upper Edge				" Angle on ditto	4 x 4	9	4 x 4
" " Spacing		46		" Tie Plates, outside Hatchways			
BEAMS, Hold, Plate or Tee Bulb	4	3	7	" Diagonal Tie Plates on Bms., No. of Pairs			
" " Angles on Upper Edge				" Main Dk* Iron or Steel for full length		7	
" " Spacing		23		" R.O. Dk* Iron or Steel for full length			
EAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb				" Wood Deck, Material & thickness <i>Pitch Pine 2 1/2</i>		2 1/2	
" " Angles on Upper Edge				Lower Deck Stringer Plate, breadth and thickness (at ends of vessel)	27	8	27
" " Spacing				" Angles on ditto, No. <i>one</i>	3 1/2 x 3 1/2	9	3 1/2 x 3 1/2
EAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb				" Tie Plates, outside Hatchways	18	8	18
" " Angles on Upper Edge				" Deck* Material and thickness (beeches & grove) 1 1/2			
" " Spacing				Hold Stringer Plate in way of hopper	27	8	27
EAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb				" Angles on ditto, No. <i>one</i>	3 1/2 x 3 1/2	9	3 1/2 x 3 1/2
" " Angles on Upper Edge				POOP DECK STRINGER Plate, breadth & thickness			
" " Spacing				" Angle on ditto			
PILLARS, In 'tween Decks, Size and Spacing	2 1/2		2 1/2	" Tie Plates			
" " Hold	2 1/2		2 1/2	" Deck, Material and thickness			
" " Quarter, 'tween Dks., " "				Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness			
" " In Hold				" Angle on ditto			
WEB FRAMES, in Fore Body, No. and Spacing				" Tie Plates			
" " No. of Side Stringers				" Deck, Material and thickness			
WEB FRAMES, in E. & B. Space, No. & Spacing	4	5 frame spaces		Forecastle Deck Stringer Plate, breadth & thickness			
" " Brdth. & Thickness	15	8 1/2	15	" Angle on ditto			
WEB FRAMES, in After Body, No. and Spacing				" Tie Plates			
" " No. of Side Stringers				" Deck, Material and thickness			
" " Size of Angles or Tee Bars to Web Frames	5 1/2	3 1/2	9	Are the outside Plates doubled two spaces of Frames in length? <i>yes</i>			
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness				Are the Sluice Valves and Watertight Doors in efficient working order? <i>yes</i>			

PLATING.										RIVETING.									
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.				
STRAKES.					AMIDSHIP.					Single or Double.					RIVETS.				
Breadth.					Thickness.					Breadth of Lap.					Diam.				
FLAT PLATE KEEL (If Bar Keel, state Riveting)					33	14	11	11	33	13	10	10	10	10	10	10	10	10	10
GARBOARD OR A STRAKE					33	14	11	11	33	13	10	10	10	10	10	10	10	10	
B					10	9	9	9	9	9	9	9	9	9	9	9	9	9	
C					10	9	9	9	9	9	9	9	9	9	9	9	9	9	
D					10	9	9	9	9	9	9	9	9	9	9	9	9	9	
E					10	9	9	9	9	9	9	9	9	9	9	9	9	9	
F					10	9	9	9	9	9	9	9	9	9	9	9	9	9	
G					9	8	8	8	8	8	8	8	8	8	8	8	8	8	
H					54	11	9	9	54	10									
I																			
J																			
K																			
L																			
M																			
N																			
O																			
P																			
DOUBLING OF PLATE KEEL																			
Length and thickness of Strake below																			
POOP SIDES																			
RAISED QUARTER DECK SIDES																			
BRIDGE SIDES																			
FORECASTLE SIDES																			
LENGTHS OF PLATING					9	frame	spaces												
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.?										Main Stringer Plate Butts, treble riveted for half length amidship.									
The Clyde Bridge Steel Co. Ltd.										Straps, single, double or overlapped for full length amidship.									
The Lanarkshire Steel Co. Ltd.										Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? T & D									
The Steel Co. of Scotland Ltd.										Lower Bottom Plating, riveting of Edges Butts									
Has the Steel been tested as required by the Rules?										Centre Girder Butts, riveted. Keelson Butts, Treble riveted.									
										Frames, riveted through Plates with 3/4 in. Rivets, about 54 apart.									
										Rivets, state whether of Iron or Steel									
FRAMES extend in one length from centre line of hoppers to deck										state if ordinary or joggled ordinary									
REVERSED FRAMES on floors and frames extend from centre line of hoppers side to										state if ordinary or joggled ordinary									
main deck and side stringers alternately Double across floors in engine (boiler) space																			
MASTS, SPARS, &c.										DIAMETER AND THICKNESS.									
Material. Total length.										At Partners. Heel. Hounds. Head.									
Fore Mast 70.0										12 Pole mast 3 1/2									
Main Mast																			
Mizen Mast																			
Downfall																			
Topmasts, Yards and Remainder of Spars										2 spars 24 cad side stays one at 2 1/2 and one 1 3/4									
Rigging, Material and Size, Shrouds										Galvanized steel wire 2 shrouds 13 cad side									
Sails										Sails and the following spare sails									
Equipment No. 12980 Letter L										Tonnage U.D.K. or Plating No. for Trawlers									
ANCHORS.										WEIGHT REQUIRED BY TABLE 22.									
Number of Certificate.										Description of Anchor.									
30424 1st Bower										Ordinary									
30425 2nd "										Ordinary									
30426 Stream										Ordinary									
Kedge																			
CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate.										Length and Size supplied.									
30803 210 1 1/2										90 3 1/2 22 90 3 1/2									
60 3 1/2 26										90 5 90 5									
Boats Two										Diameter of Barrel 4 1/2									
Pumps, Number Three										State whether they are in efficient working order yes									
Windlass is m. one & Co.										Capstan m. one & Co.									
Engine Room Skylights—How constructed? Lead or steel casings										What arrangements for deadlights in bad weather? Lead shutters with bulls eyes									
Coal Bunker Openings—How constructed? Plates & angles										How are lids secured? Chats and battens									
Number of Scuppers, and number and dimensions of Freeing Ports, &c.										3 Scuppers & one freeing port 24" x 19" at aft end									
Ceiling in Holds, thickness and material										Cargo Battens, thickness and material									
Cargo Hatchways—How formed?										Hatches—If strong and efficient?									
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										No. of Breasthooks four									
No. of Crutches Two & deep floor										Main Rail and Stays, material and size at ends 5 x 2 1/2 x 10, all angle									
Bulwarks, height above deck and description										The above is a correct description.									
Builder's Signature (here only)										Surveyor's Signature Geo. M. Shaw									
										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) 6th March 1906 (M.) 15th March 1906 (M.) 19th March 1906 (M.) 21st March 1906 (M.) 18th April 1906 (M.) 7th June 1906 (E.)

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 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 satisfactory

Have all the gutterways been tested as required by the Rules (Sec. 23, par 25)? yes

State results of tests satisfactory

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

This vessel has been built in accordance with the approved plans

The Secretary's letter of the above dates, and in general conformity to the Rules for the class contemplated

1 midship Section as Built and 1 forging form

(The other plans of this vessel will be forwarded when the sister vessels Nos. 355, 356 and 357 are completed.)

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) 10th STL

Official No. ; Signal Letters

State if Machinery is fitted aft no

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. Water Capacity. Where fitted. Length. Water Capacity.

Double bottom, aft, 16 43

Double bottom, under Engines and Boilers, After peak tank, Deep tank, aft

Double bottom, under Engines only, Deep tank, forward

Double bottom, under Boilers only, Other tanks, if fitted, (If necessary, furnish further information by sketch.)

Double bottom, forward, Total capacity 43

* 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. 4117

Date 12.4.06

No. 354 in builder's yard

Days of Surveys held while building 1906 May 17, 22, 29, 31 June 4, 9, 12, 15, 19, 22, 26 July 5, 9, 12, 17, 19, 23, 29, 30 Aug. 1, 3, 31 Sep. 5, 10, 20, 26 Oct. 3, 11, 16, 17, 18, 19, 20, 21 Nov. 2, 6, 8, 14, 15, 16

Total No. of Visits 42

The amount of Entry Fee £ 2 : : Fees applied for, 31 DEC 1906 13.07

Special £ 8 : : Received by me, 4.1907 4.1907

Travelling Expenses, if any £ : : 13.07

State whether the Vessel has been built under Special Survey yes

I am of opinion this Vessel should be Classed + 100 A1, for English Channel Purposes. Geo. M. Shaw.

With, or without Freeboard, as condition of Class without

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

Glasgow 31 DEC 1906

Committee's Minute

Character assigned + 100 A1 (Steel) for English Channel purposes.

When fee is paid Lloyd's acc'd.