

2 Dks.
for 2 Dks., R.O. 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 11th DECEMBER 1907

Received at London Office

No. 15283

TUES. 17 DEC 1907

Survey held at PORT GLASGOW

On the STEEL TWIN-SCREW HOPPER DREDGER "LORD DESBOROUGH"

Port of GREENOCK

Date, First Survey 18th JANUARY 1907 Last Survey 7th DECEMBER 1907

Rig FORE AND AFT (THREE MASTS)

TONNAGE under Tonnage Deck... 2964.81

Do. of Poop

Do. of Raised Qr.

Do. of 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 2964.81

ss Crew Space

ss above Crown of

Engine Room ..

TONNAGE FOR FEES .. 2847.70

ss Engine Room 948.74

ss Navigation Spaces 51.52

1000.26

Register Tonnage

as cut on Beam .. 1847.44

ONE OR TWO, DECKED VESSEL.

CLASS 100 A1 "HOPPER DREDGER"

Half Breadth (moulded) 26.375

Depth from upper part of Keel to top of Main Deck Bms. 23.600

Girth of Half Midship Frame (as per Rule) 47.802

1st Number 97.777

Length on deck from after part of stem to fore part of stern post 318.166

2nd Number 31109.

Proportions—Breadths to Length 6.03

Depths to Length—Main Deck to top of Keel 13.48

Destined Voyage LONDON

Master R. WILLIAMS

Year of appointment (1) As master in service of owner of present vessel;—19 (2) As master of this vessel 1907

Built at PORT GLASGOW

When built 1907 Launched 9th NOV^r 1907

By whom built FERGUSON BROS.

Owners THE CONSERVATORS OF THE RIVER THAMES.

Managers D^r D^r D^r

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

Residence LONDON

Port belonging to LONDON

BUILT UNDER

If Surveyed while Building, Afloat, or in Dry Dock SPECIAL SURVEY.

LENGTH on Deck as Feet. Inches. BREADTH—Feet. Inches. DEPTH, ACTUAL—Feet. Inches. No. of Decks with Flat laid TWO No. of Tiers of Beams TWO

Dimensions of Ship per Register, Length, 320' breadth, 52.9' depth, 21'15" Moulded Depth, 22 ft. 6 ins. Round of Beam, Actual 13 ins.

FRAMING. Inches in Ship. Inches in Ship. 16ths or 20ths in Ship. Inches per Rule. Inches per Rule. 16ths or 20ths per Rule. Inches per Rule. 16ths or 20ths per Rule. FORGINGS AND CASTINGS. Inches in Ship. Inches in Ship. 16ths or 20ths in Ship. Inches per Rule. Inches per Rule. 16ths or 20ths per Rule. Inches per Rule. 16ths or 20ths per Rule.

FRAME, Angles, L E or L Bars, for 1/2 length amidships. Do. for 1/2 at each end. Do. in way of Double Bottoms at Solid Floors. SHELL BARS ON FLOORS at intermdt. Bkts. Spacing of Frames from centre to centre. REVERSED FRAME, Angles. DEEP FRAMING, depth of girder. FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships. in way of Engines and Boilers. thickness at the ends of vessel. depth at 1/2 the half breadth, as per Rule. height extended at the Bilges. FLOORS & BRACKETS, in Cch 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. BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb. Angles on Upper Edge BEYOND HOPPERS. Spacing BEYOND HOPPERS. 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. 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 AT ENDS. Quarter, 'tween Dks., AT ENDS. in Hold AT ENDS. 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.

KEEL, Bar or Side Plates depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. for Propeller. MAIN PIECE of Rudder, diameter at head. do. at heel. RUDDER, how constructed BUILT IRON FORGING AND SINGLE PLATE. Can the Rudder be unshipped afloat? YES.

KEELSONS AND STRINGERS. IN WAY OF HOPPERS. CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate. Bulb Plate to Intercoastal Keelson. Horizontal Plates on Floors (ON FLOORS). Angles. SIDE KEELSON, Angles. IN WAY OF HOPPERS. Bulb or Plate above floors for — lng. Intercoastal Plate for FULL length. Attached to outside plating with Angle. BILGE KEELSON, Angles. 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. 2 SIDE STRINGERS BEYOND HOPPERS. Bulb or Intercoastal Plate for 3/5th lng. Attached to outside plating with Angle.

Main and Raised Quarter Deck Stringer Plate, breadth and thickness. Angle on ditto. PLATING AT SIDES OF HOPPERS. Tie Plates, outside Hatchways. Diagonal Tie Plates on Bms., No. of Pairs. Main Dk* Iron or Steel for FULL lng. R. Q. Dk* Iron or Steel for — lng. Wood Deck, Material & thickness P. PINE. Lower Deck Stringer Plate, breadth and thickness. Angles on ditto, No. TWO. Tie Plates, outside Hatchways. Deck* Material and thickness W. PINE. Hold Stringer Plates IN WAY OF HOPPERS. Angles on ditto, No. TWO. Poop Deck Stringer Plate, breadth & thickness. Angle on ditto. Tie Plates. Deck, Material and thickness. Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness. Angle on ditto. Tie Plates. Deck, Material and thickness. Forecastle Deck Stringer Plate, brdth & thickness. 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. Thickness. STIFFENERS. Single or Double Frames. Height up.

W.T. BULKHEADS 9 9 8-7-6 B.A. 8x3x1/2x20 30 MAIN HOPPER BULKHEADS ADDITIONALLY STIFFENED.

PARTITION 2 2 5/6 STEEL B.A. 9x3 1/2 x 1/2 x 20 26 D^r D^r

LONGITUDINAL, TO 3/4th LGTH 9-7-6/10 B.A. 9x3 1/2 x 1/2 x 25 D^r

Are the outside Plates doubled two spaces of Frames in length? PARALLEL PLATES FITTED.

Are the Stowage Valves and Watertight Doors in efficient working order? YES.

Rpt. 1A. 5c. 6, 8.

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Double or Treble and for what Length.	Diam.	Spacing or to cr.	Breadth.	Thickness.	If Lapped.			
FLAT PLATE KEEL	70 1/2	12	13	13	36	12	DOUBLE	5 1/4	7/8	3 1/2	QUADRPLE	7/8	3 1/2	-	-	12	FULL		
GARBOARD OR A STRAKE	70 1/2	12	9	9	45	12	"	"	"	"	"	"	"	-	-	"	"		
B	"	12	9	9	"	12	"	"	"	"	"	"	"	-	-	"	"		
C	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
D	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
E	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
F	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
G	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
H	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
J	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
K	40	13	10	10	39	13	-	-	-	-	TREBLE	"	3 1/8	16 3/4	13	-			
L	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
M	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
N	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
O	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
P	"	"	"	"	"	"	"	"	"	"	"	"	"	-	-	"	"		
DOUBLING OF PLATE KEEL																			
Length and thickness of Bilge of Sheerstrakes. DOUBLED FOR 3/4" LENGTH X 2 1/2" X 12/20"																			
Length and thickness of Strake below																			
POOP SIDES																			
RAISED QUARTER DECK SIDES NO ERECTIONS FITTED.																			
BRIDGE SIDES																			
FORECASTLE SIDES																			
LENGTHS OF PLATING ON FLAT OF BOTTOM = ELEVEN FRAME SPACES; ON SIDES = EIGHT 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. (SIEMENS' PROCESS) PLATES, ANGLES, BOLTS, ETC. - STEEL CO. OF SCOTLAND; STEWART & LLOYD; GLASGOW I.Y.S. CO.; COLVILLE & SONS; DORMAN, LONG & CO.; LANARKSHIRE CO.; DUNLOP & CO. Has the Steel been tested as required by the Rules YES.																			
Main Stringer Plate Butts, treble riveted for LENGTH OF HOPPERS length amidship. Straps, single, double, or overlapped for length amidship.																			
Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? 3R, 2R.																			
Inner Bottom Plating, riveting of Edges Butts																			
Centre Girder Butts, riveted. Keelson Butts, 3R, riveted.																			
Frames, riveted through Plates with 7/8" in. Rivets, about 6 1/4" apart.																			
Rivets, state whether of Iron or Steel IRON																			
FRAMES extend in one length from CENTRE LINE TO TURN OF BILGE FROM THENCE TO MAIN DECK. state if ordinary or joggled ORDINARY																			
REVERSED FRAMES on floors and frames extend from TURN OF BILGE TO MAIN DECK IN WAY OF HOPPERS; state if ordinary or joggled D																			
ALTERNATE TO MAIN & LOWER DECKS BEYOND HOPPERS; FLOORS FLANGED ON TOP.																			
MASTS, SPARS, &c.																			
Material. Total length. At Partners. Heel. Hounds. Head. No. of Plates in round. ANGLES. Riveting.																			
AND TOP LOWER MASTS... Fore PINE 75'-0" 15" STEPPED ON DECK 11" 3 1/2																			
Main " 59'-0" 12" " " B.D.G. 6 1/2 4																			
Mizen " 49'-0" 10" " " DECK 5 1/2 3																			
Bowsprit																			
Topmasts, Yards and Remainder of Spars OF PINE																			
Rigging, Material and Size, Shrouds S.W. 2 1/4																			
Sails, No. SAILS SUPPLIED Suit of Sails and the following spare sails																			
Equipment No. Letter U. Tonnage U.D.K. or Plating No. for Trawlers.																			
ANCHORS. MECHANICAL TESTS BY P. ABEL.																			
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.																			
2772 1st Bower 49 1 10 - - - 41 19 2 21 45 0 0 BRITANNIC PAT. SYKES & SON, CRADHEE 8-10-07 H. DUDLEY																			
2773 2nd " 42 2 2 - - - 37 10 0 0 45 0 0 D. D. D. D.																			
2710 3rd " 39 1 10 - - - 35 7 0 21 38 0 0 D. D. 26-9-07 D.																			
Collective weight 131 0 22 128 0 0																			
6891 Stream 12 0 14 3 0 7 14 0 0 0 12 0 0 COMMON TAYLOR & SONS, OFF. 25-9-07 G.W. PENN																			
6892 Kedge 5 2 0 1 1 14 7 8 - - - 5 2 0 D. D. D. D.																			
CHAIN CABLES.																			
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.																			
7360 270 2 72 100 1/10 550-1-21 538-3-0 270 2 STUD TAYLOR & SONS, OFF. 25-9-07 G.W. PENN																			
Iron Stream Chain 90 1 1/16 25 38 65-0-21 65-0-16 90 1 1/16 D. D. OFF. 26-9-07 D.																			
HAWERS AND WARPS.																			
Material. Length and size supplied. Breaking Test of Steel Wire Towline. Length and Size per Table 22.																			
TOWLINE S.W. 100 3 18 100 3																			
HAWERS & WARPS 120 8 - 120 8																			
120 7 - 120 7																			
240 5 1/2 - 240 5 1/2																			
120 4 1/2 - 120 4 1/2																			
Boats TWO LIFEBOATS AND TWO OTHERS.																			
Pumps, Number SEVEN HAND PUMPS Diameter of Barrel 5 1/2, 4 1/4, 4 1/4 State whether they are in efficient working order YES.																			
Windlass is HARFIELD & CO. Capstan D																			
Engine Room Skylights.—How constructed? OF TEAK																			
What arrangements for deadlights in bad weather? CANVAS COVERS.																			
Coal Bunker Openings.—How constructed? OF STEEL How are lids secured? CLEATS & BATTENS Height above deck? 21"																			
Number of Scuppers, and number and dimensions of Freeing Ports, &c. EIGHT SCUPPERS & FOUR WATER PORTS (28" x 16") EACH SIDE.																			
Ceiling in Holds, thickness and material NOT FITTED Cargo Battens, thickness and material NOT FITTED.																			
Cargo Hatchways.—How formed? STEEL PLATES & ANGLES Hatches.—If strong and efficient? YES, SOLID.																			
State size No. 1 Hatch (Forward) 8'-4" x 9'-11" No. 2 Hatch 8'-4" x 9'-11" No. 3 Hatch No. 4 Hatch																			
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch: ONE FORE & AFT TO EACH HATCH. NO WEBS ETC. REQUIRED.																			
No. of Breasthooks THREE No. of Crutches TWO DEEP FLOORS.																			
Bulwarks, height above deck and description 39" x 1 1/2" STEEL PLATE Main Rail and Stays, material and size B.A. 6" x 3" x 1/2"																			
The above is a correct description.																			
Builder's Signature (here only) Ferguson & Co. Surveyor's Signature David M. Anslan																			
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) 31 OCT 8th; 5 NOV; 6-13-14 DEC 8th 1906. 6 FEB; 22 MARCH; 25 OCT 8th; 15 NOV 8th 1907. (E) 16 MARCH 1907.

Workmanship. Are the butts of plating planed or otherwise fitted? PLANED AND OVERLAPPED.

Is the riveted work properly closed? YES

Are the liners between the frames and plates solid single pieces? YES

to plate, &c., conform well to each other? YES.

Do the holes for riveting plate to frames, butt straps, or plate

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 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.)—THIS VESSEL HAS BEEN BUILT IN ACCORDANCE WITH THE APPROVED PLANS, THE SECRETARY'S LETTERS AS ABOVE STATED AND IN OTHER RESPECTS, IN CONFORMITY WITH THE RULES, THE MATERIAL AND WORKMANSHIP ARE GOOD.

THE KEEL HAS BEEN SIGHTED AND FOUND PRACTICALLY STRAIGHT.

THIS IS A SIMILAR VESSEL TO THE T.S.S. "CORONATION", N° 1546 IN THE REGISTER BOOK.
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., 1st 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) TWO DECKS (U.S.T.L. — W.S.)

Official No. 125648; 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.	Water Capacity.	Where fitted.	*Length.	Water Capacity.
Feet.	Tons.	Feet.	Tons.		
Double bottom, aft.	—	—	Fore peak tank.	—	—
Double bottom, under Engines and Boilers.	—	—	After peak tank.	—	44
Double bottom, if under Engines only.	—	—	Deep tank, aft.	—	—
Double bottom, if under Boilers only.	—	—	Deep tank, forward.	—	—
Double bottom, forward.	—	—	Other tanks, if fitted.	—	—
Total capacity.			(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. 2433	1907. Jan. 18. 24. 25. 30. 31 Feb. 5. 7. 8. 12. 14. 20. 22. 26. 28 Mar. 1. 5. 8. 14. 18. 22. 26. 28 April 2. 3. 5. 9
Date 54 Dec 1906	11. 17. 19. 23. 25. May. 2. 7. 10. 14. 16. 23. 25. 28. 31 June. 6. 13. 18. 22. 25. 27. July. 1. 3. 18. 23. 25. 29
No. 173 in builder's yard	31. Aug. 5. 9. 13. 15. 19. 21. 26. 28. 30. Sept. 2. 4. 11. 17. 20. 24. 27. 30 Oct. 2. 7. 9. 11. 14. 17. 21. 25. 31 Nov. 5
	8. 9. 14. 18. 22. 25. 28. Dec. 3. 5. 7.
	Total No. of Visits 90

The amount of Entry Fee £ 5 : : : 10/4/1907 97

Special £ 96 : 4 : : Received by me, 13/12/1907 97

Travelling Expenses, if any £ : : : : 13/12/1907 97

Certificate to be sent to GREENOCK

State whether the Vessel has been built under Special Survey YES.

I am of opinion this Vessel should be Classed 100A1 "HOPPER DREDGER"

With, or without Freeboard, as condition of Class: WITHOUT FREEBOARD.

David M. Anslan.

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

Committee's Minute

Character assigned + 100A1 (Steel) Hopper Dredger.

Lloyd's A+C.P.

+ LMC 12.07