

Disconnected Erections.

STEEL STEAMER.

Received at London Office SAT. NOV. 24 1917.

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

Date of completion of report
Survey held at

Port of DUNDEE
Date, First Survey 23rd October 1914 Last Survey

No. 8046.

On the (State if Single, ~~Twin~~, or ~~Triple~~ Screw)

S.S. "AGUILA"

Rig 3 Masted Schooner

Master J. J. Gundorfast

Year of appointment { owner of present vessel:—191
(2) As Master of this vessel 191 ✓

Built at Lunder

When built _____ Launched Sept. 12 - 1916

By whom built *Salomon S. B. 16. 5. 18*

Owners Messrs Howard Bros

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

Residence Liverpool

Port belonging to *Liverpool*

If Surveyed while Building, Afloat, or in Dry Dock ^{While building,} ~~Afloat,~~ and in ^{dry dock.} ~~dry dock.~~

the (See V Single,	
Tonnage under	2161.55
Tonnage Deck...	
Do. between Tonnage Dk.)	
and 3rd and 4th Dk. }	
Total under Upper Dk.	
Do. of Poop	561.46
Do. of R.O.Dk.	
Do. of ^{Bridge} House	7.03
Do. of Forecastle	67.08
Do. of Houses on Dk.	265.00
Do. of excess of Hatchways	18.84
Do. above Crown of }	144.04
Engine Room .. }	
Gross Tonnage	3255.00
Less Crew Space	159.35
Less above Crown of }	144.04
Engine Room .. }	
TONNAGE for FEES..	2921.61
Less Engine Room	1181.29
Less Navigation Spaces	218.83

CLASS <i>2</i> 100 A1		FEET.
Breadth (greatest moulded)		14' 0
Depth, at middle of length from top of keel to top of upper deck beams at side		21' 5
Transverse Number		65' 5
Length on deck from fore part of stem to after part of stern post		315' 0
Longitudinal Number		20632' 5
Depth "d," at middle of length (See Secs. 2 & 13)		10' 4 5/8
Proportions—Depths to Length—Upper Deck Beam at side to top of keel		14' 6 5/8
" " Long Bridge Deck Beam at side to top of keel		10' 9 6/8

Register Tonnage } 1854.88
as cut on Beam .. }

Destined Voyage Liverpool

If Surveyed while Building, Above, or on Dry Dock.

LENGTH on Deck as per Rule		Feet. 3 1/5	Inches. 0	BREADTH— Moulded	Feet. 44	Inches. 0	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams Do. do. do. do. Second Dk. Beams	18	8	No. of Decks with flat laid No. of Tiers of Beams
Register Length 3 1/5 3		breadth 44 2		depth 18 5		Moulded depth, ft. ins. To Bridge Dk. Round of Upper Dk. Beam, Actual		21 ins. 6		To Upper Dk. 4 1/2
						Moulded depth, ft. ins. To Upper Dk.		21 ins. 6		4 1/2
								Inches. Inches. Inches		Inches
								per Rule per Rule per Rule		per Rule

Dimensions of Ship per Register, 1828	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule	Inches per Rule
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PILLARS.

		Or as Approved.		
FRAMING, depth of girder		5	3	36
FLOORS, depth and thickness of Floor Plate		5	3	32
Do. in peaks		3 1/2	3 1/2	36
Do. in way of Double Bottoms at Solid Floors		24	24	36
" " at intermdt. Bkts.		24	24	36
Spacing of Frames from centre to centre amidships		24	24	36
" " " " from 1/2 length to Collision bulkhead		24	24	36
" " " " in peaks		3 1/2	3	36
REVERSED FRAME, Angles		5	3	36
Do. in way of Double Bottoms at Solid Floors		5 1/2	5 1/2	36
" " at intermdt. Bkts.		5 1/2	5 1/2	36
FRAMING, depth of girder		38	34	36
FLOORS, depth and thickness of Floor Plate		38	34	36
at mid-line for 1/2 length amidships		24	24	36
" in way of Engine and Boiler Spaces		24	24	36
" thickness at the ends of vessel		29	29	36
" depth at 1/2 the half breadth, as per Rule		20	20	36
" height extended at the Bilges		34	34	36
FLOORS in Cell Double Bottoms		NOT FLANGED	NOT FLANGED	36
" state if flanged (top & bottom)		24	24	36
" Spacing of Solid floors		38	38	36
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.		4 1/2	4 1/2	36
" " Angles, Top		6 1/2	6 1/2	36
" " " Bottom		3 1/2	3 1/2	36
" " " to Floors		3 1/2	3 1/2	36
" Brackets at intermdt. frmg., wdth & thcknss		1	1	36
SIDE GIRDERS, number on each side & thickness		20	20	36
" " state if flanged (top and bottom)		3 1/2	3 1/2	36
" " Angles (top and bottom)		3 1/2	3 1/2	36
" " to Floors		FLANGED TO FLOORS	FLANGED TO FLOORS	36
MARGIN PLATE, depth (exclusive of flange)		26	26	36
and thickness		3 1/2	3 1/2	36
" " Angle to Outside Plating		3 1/2	3 1/2	36
" " " Floors		3 1/2	3 1/2	36
" " " in 1/2 length		2 1/2	2 1/2	36
" " Brackets at intermdt. frmg., wdth & thcknss		20	20	36
" " Height of Outside Brackets above at bilge		44	44	36
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake		ES. 44	ES. 44	36
" " " in Engine and Boiler space		44	44	36
" " " Remainder in Holds		44	44	36
BEAMS, Upper Deck, Single Angle, Bulb		8 1/2	8 1/2	36
Angle Plate, Tee Bulb, or Channel		4 1/2	4 1/2	36
" " In way of Long Bridge		4 1/2	4 1/2	36
" " Spacing		48	48	36
BEAMS, Second Deck, Single Angle, Bulb		12	12	36
Angle Plate, Tee Bulb, or Channel		10	10	36
" " Spacing		48	48	36
BEAMS, Third and Fourth Deck, Single Angle, Bulb		8 1/2	8 1/2	36
Angle Plate, Tee Bulb, or Channel		4 1/2	4 1/2	36
" " Angles on upper edge		4 1/2	4 1/2	36
" " Spacing		48	48	36
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		4 1/2	4 1/2	36
" " Angles on upper edge		4 1/2	4 1/2	36
" " Spacing		48	48	36
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		8 1/2	8 1/2	36
" " Angles on upper edge		4 1/2	4 1/2	36
" " Spacing		48	48	36
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel		8 1/2	8 1/2	36
" " Angles on upper edge		4 1/2	4 1/2	36
" " Spacing		48	48	36

PILLARS, In 'tween Deck, size and spacing		8 x 12	8 x 12	8 x 12	8 x 12	8 x 12	8 x 12
"	" Hold	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12
"	" Quarter 'tween Dks.,	8 x 12	8 x 12	8 x 12	8 x 12	8 x 12	8 x 12
"	" in Hold	8 x 12	8 x 12	8 x 12	8 x 12	8 x 12	8 x 12

KEELSONS & STRINGERS.		Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or a	Inches per Rule s	Inches per Rule yed.
CENTRE LINE KEELSON, Vertical Plates above floors, Through Plate, or Intercoastal Plate		38	48	38	48	38	48
"	Rider Plate	6 1/2	3 1/2	48	6 1/2	3 1/2	48
"	Flat Plate Keel Angles	3 1/2	3 1/2	48	3 1/2	3 1/2	48
"	Horizontal Plates on Floors	3 1/2	3 1/2	48	3 1/2	3 1/2	48
"	Angles or Bulb Angles	3 1/2	3 1/2	48	3 1/2	3 1/2	48
SIDE KEELSONS, Number		7 1/2	3 1/2	48	7 1/2	3 1/2	48
"	Angles or Bulb Angles	3 1/2	3 1/2	48	3 1/2	3 1/2	48
"	Plate above floors, for length	3 1/2	3 1/2	48	3 1/2	3 1/2	48
"	Intercoastal Plate, for length	3 1/2	3 1/2	48	3 1/2	3 1/2	48
"	Attached to outside Plating with Angle	3 1/2	3 1/2	48	3 1/2	3 1/2	48
BILGE KEELSON, Angles		3 1/2	3 1/2	48	3 1/2	3 1/2	48
"	Intercoastal Plate for length	3 1/2	3 1/2	48	3 1/2	3 1/2	48
"	Attached to outside Plating with Angle	3 1/2	3 1/2	48	3 1/2	3 1/2	48
SIDE STRINGERS, Number		7 1/2	3 1/2	48	7 1/2	3 1/2	48
"	Angle	3 1/2	3 1/2	48	3 1/2	3 1/2	48
"	Intercoastal Plate, for length	3 1/2	3 1/2	48	3 1/2	3 1/2	48
"	Attached to outside plating with Angle	3 1/2	3 1/2	48	3 1/2	3 1/2	48

Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)		44 x 78	44 x 78
"	" " " br'dth & thickness (in way of Bridge)	44 x 46	44 x 46
"	" " " Angle (clear of Bridge)	5 x 5	5 x 5
"	" " " Tie Plate at sides of Hatchways	5 x 5	5 x 5
"	" Deck. * Iron or Steel, for FULL lng.	40 x 30	40 x 30
"	" Thickness (clear of Bridge)	30	30
"	" " (in way of Bridge)	30	30
"	" Wood Deck. Material & thickness P.P.	5 x 3	5 x 3
Second Deck Stringer Plate, br'dth & thickness		44 x 42	44 x 42
"	Angles on ditto, No.	3 1/2 x 3 1/2	3 1/2 x 3 1/2
"	Tie Plates outside Hatchways	13 x 42	13 x 42
"	Deck. * Iron or Steel, for lng.	6 x 3	6 x 3
"	Wood Deck. Material & thickness P.P.	5 x 3	5 x 3
Third Deck Stringer Plate, br'dth & thickness		44 x 42	44 x 42
"	Angles on ditto, No.	3 1/2 x 3 1/2	3 1/2 x 3 1/2
"	Tie Plates, outside Hatchways	13 x 42	13 x 42
"	Deck. * Material and thickness	5 x 3	5 x 3
Fourth and Fifth Deck Stringer Plate, breadth & thickness		44 x 42	44 x 42
"	Angles on ditto, No.	3 1/2 x 3 1/2	3 1/2 x 3 1/2
"	Tie Plates outside Hatchways	13 x 42	13 x 42
"	Deck. Material & thickness	5 x 3	5 x 3
Sixth Deck Stringer Plate, breadth & thickness		44 x 42	44 x 42
"	Angles on ditto	3 1/2 x 3 1/2	3 1/2 x 3 1/2
"	Tie Plates	13 x 42	13 x 42
"	Deck. Material and thickness P.P.	5 x 3	5 x 3
Bridge Deck Stringer Plate, br'dth & thickness		44 x 42	44 x 42
"	Angle on ditto	3 1/2 x 3 1/2	3 1/2 x 3 1/2
"	Tie Plates	13 x 42	13 x 42
"	Deck. Material and thickness P.P.	5 x 3	5 x 3
Forecastle Deck Stringer Plate, b'dth & th'kns		44 x 42	44 x 42
"	Angle on ditto	3 1/2 x 3 1/2	3 1/2 x 3 1/2
"	Tie Plates	13 x 42	13 x 42
"	Deck. Material and thickness P.P.	5 x 3	5 x 3

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon

MASTS, SPARS, &c.											
	Material	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Bounds.	Head.		Number.	Size.	Seams.	Batts.
LOWER MASTS.....	Fore	Sheds wood 46'-0"	21 x $\frac{18}{20}$	20 x $\frac{18}{20}$	14 x $\frac{10}{20}$	14 x $\frac{5}{20}$	2	✓		D.R.	T.R.
	Main	Sheds wood 43'-0"	21 x $\frac{18}{20}$	20 x $\frac{18}{20}$	14 x $\frac{10}{20}$	14 x $\frac{5}{20}$	2	✓		D.R.	T.R.
	Mizen	" " 69'-0"	21 x $\frac{18}{20}$	20 x $\frac{18}{20}$	14 x $\frac{10}{20}$	14 x $\frac{5}{20}$	2	✓		D.R.	T.R.
Bowsprit											
Topmasts, Yards and Remainder of Spars wood											
Rigging, Material and Size, Shrouds $3\frac{1}{4}$ line!											
Sails Fore stay sail. Fore bysail. Main & mizen try sails. Suit of Spare sails. Sails, and the following spare sails											
						Foremast. 2" Fore stay	2" Backstay				
						Maststay. 2" & 3" shawl	2" "				
						Mizenmast. 1 3/4 Maststay	2				

EQUIPMENT No. <u>23058-4</u>				LETTER <u>U</u>				ANCHORS.				TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS							
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TENS. PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 31			Description of Anchor.	Makers.	Where when tested and Superintended.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.					
<u>76114</u>	1st Bower ...	<u>49</u>	<u>3</u>	<u>4</u>	✓	✓	✓	<u>42</u>	<u>5</u>	<u>3</u>	<u>21</u>				<u>Hall's, Stockless</u>	<u>W. Hingley & Sons</u>	<u>L.P.A.N. 14 8 16.</u>	<u>Hyman</u>	
<u>76113</u>	2nd "	<u>49</u>	<u>0</u>	<u>26</u>	✓	✓	✓	<u>41</u>	<u>18</u>	<u>0</u>	<u>14</u>				<u>do</u>	<u>do</u>	<u>"</u>	<u>"</u>	
<u>76112</u>	3rd "	<u>41</u>	<u>2</u>	<u>26</u>	✓	✓	✓	<u>36</u>	<u>19</u>	<u>1</u>	<u>14</u>				<u>do</u>	<u>do</u>	<u>"</u>	<u>"</u>	
	4th "																		
	Collection weight.	<u>140</u>	<u>3</u>	<u>3</u>				<u>17</u>				<u>28</u>	<u>0</u>	<u>0</u>					
<u>76316</u>	Stream	<u>13</u>	<u>12</u>	<u>3</u>	1	11		<u>15</u>	<u>1</u>	<u>2</u>	<u>7</u>	<u>12</u>	<u>0</u>	<u>0</u>	<u>Loggs</u>	<u>do</u>	<u>"</u>	<u>28 8 16</u>	<u>"</u>
<u>76314</u>	Kedge	<u>6</u>	<u>0</u>	<u>21</u>	1	<u>2</u>	<u>6</u>	<u>8</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>5</u>	<u>2</u>	<u>0</u>		<u>do</u>	<u>"</u>	<u>"</u>	<u>"</u>

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower
	2nd "
	3rd "
	4th "

CHAIN CABLES.												HAWSERS AND WARPS.											
Number of Certificates.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table.		Description.	Makers of Cables.	Where and when tested, and Superintending.	Material.	Length and Size supplied.		Breaking Test of Steel Wire Fowline.		Length and Size per Table.						
	Length.	Diam.	Status.	Brak- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.	Length.	Cir.	Length.	Cir.	Length.	Cir.			
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	Tons.					
64197	35	2"	72	100	241.5.5	511.1.14	270	2	2	2	2	TOWLINE	100	4	33	100	4	33					
64198	35	2"	72	100	242.1.11				2	2	2	HAWSERS&WARPS	120	2 3/4	18 1/2	120	2 3/4	18 1/2					
	35	2"	72	100	242.1.11				2	2	2	" "	70	2 3/4	15 1/2	70	2 3/4	15 1/2					
From Hawers (Superintending) Steel Wire	70	4 1/2"	35	✓	44.0.16		90	4 1/2"	44			4 "Chain"	120	Y		(4) 120	Y						

Boats *6 - 4 life. 1 big. 1 cutter* Steering Gear, Steam *Telemotor* Steering Gear, Hand *Crimbed*
Pumps, Number *4* Diameter of Barrel *5 1/2* State whether they are in efficient working order *Yes*
Windlass is *Emerson, Walker - Thompson* Capstan *Emerson, Walker - Thompson*
Engine Room Skylights.—How constructed? *Steel plates - angles* What arrangements for deadlights in bad weather? *Steel plates - bulwarks*
Coal Bunker Openings.—How constructed? " " " How are lids secured? *Chains - wedges* Height above deck? *12"*
Number of Scauppers, and numbers and dimensions of Freeing Ports, &c. *3 freeing ports 15' x 2' 5 1/2" (each side) + 2 scuppers.*
Ceiling in Holds, thickness and material *2 1/2" op.* Cargo Battens, thickness and material *2 1/2" x 9" Cape iron*
Cargo Hatchways.—How formed? *Steel plates - angles* Hatches, If strong and efficient? *Yes*
State size No. 1 Hatch (Forward) *14'-0" x 8'-0"* No. 2 Hatch *28'-0" x 12'-0"* No. 3 Hatch *8'-0" x 4'-0"* No. 4 Hatch *16'-0" x 0'-0"*
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *12 1'-2" 12 3'-0" 12 3' 1' 12 4' 3'*
No. of Breasthooks *Two* No. of Crutches *bulk heads.*
Bulwarks, height above deck and description *4'-6" 3 1/2" bulw. 3'-5" web plate dimensions* Main Rail, material and size *Steel, braced 4 x 3" Cape.*
The foregoing is a correct description,
Builder's Signature *Geo. H. Barclay* Surveyor's Signature *John Mackintosh.*
Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) 16-10-14 M. 21-10-14 M. 23-10-14 M. 29-10-14 M. 25-11-14 M. 23-12-14 M. 5-1-15 M. 23-2-15 M. 4-1-15 M. 5-3-15 M. 6-3-15 M. 1-4-15 E. 4-5-15 M. 11-5-15 M. 29-5-15 M.

Workmanship. Are the butts of plating planed or otherwise fitted? *Yes*

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? *No*

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. 26, par. 20)? *Yes* State results of tests *Satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes* State results of tests *Satisfactory*

General Remarks (State quality of workmanship, &c.)
This vessel has been built under special survey, and in accordance with the approved plans sent herewith, the Surveyors letters referred to and the Rules for the class contemplated.
The materials and workmanship are sound & good.
Wireless installation fitted on harmonic system.

hake tight loose:- Found to work well with the usual ratchet. They were subsequently fitted with an all-round gear for rapid closing. This was not seen working, but it was to be submitted to the Surveyors on arrival at Liverpool. (Surveyors advised)

Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee £ 5 : 0 : 0	Special Survey Fee . . . £ 98 : 1 : 0	Travelling Expenses, if any £ : :	See applied for, 23-11-1917	Received by me. 4-12-1917	Certificate to be sent to <i>London</i>	Date of issue 10/12/17
State whether the Vessel has been built under Special Survey <i>Yes</i>			5-12-17			
I am of opinion this Vessel should be Classed <i>100 A1.</i>						
With, or without Freeboard, as condition of Class <i>Without freeboard</i>						

John H. MacKirdy.
Surveyor to Lloyd's Register of Shipping.

THE 4-DEC-1917

Committee's Minute
Character assigned

1001
Lloyd's R.C.P.

DEC 4 DEC 1917

+ L.M.B. 11.17

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Lloyd's Re
Founda

The Signatures are required to be written on or
under the Committee's Minute.

LR

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop $22\frac{1}{8}$ ft., ~~R.O.D.~~ ft., Bridge $\frac{1}{2}$ ft., Forecastle $5\frac{1}{8}$ ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Poop & bridge deck 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 should appear in the Register Book) *Two decks, upper deck sheathed wood*
 Official No. *40543*; Signal Letters _____ State if Machinery is fitted aft *No.*
 How are the surfaces preserved from oxidation? Inside *Portland cement & 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,	40	61	Fore peak tank,	16	49
Double bottom, under Engines and Boilers,	28	85½ (FW)	After peak tank,	12	48
Double bottom, if under Engines only,	156	94½ (FW)	Deep tank, aft,		
Double bottom, if under Boilers only,		282	Deep tank, forward,		
Double bottom, forward,		523 Tons	Other tanks, if fitted,		
* The wells are not to be included in the lengths of the tanks.			(If necessary, furnish further information by sketch.)		

State whether the above have been tested as required by the Rules.

Order for Special Survey No. *843*

Date *23-12-14*

No. *242*, in builder's yard.

DATES OF SURVEYS held while building

1914
 OCT. 23, 24, NOV. 4, 10, 12, 23, 30, DEC. 3, 23, 24, 29, *1915*
 JAN. 11, 13, 22, 24, 29, FEB. 5, 9, 15, 19, MAR. 5, 8, 12, 14, 25, 31,
 APR. 8, 13, 19, MAY 3, 5, 14, 24, JUNE 10, 14, JULY 2, 20, 30, AUG. 11, 16, 21, SEP. 1, 22, 29, OCT. 8, 22, NOV. 5, 16, 23, 29,
 DEC. 16, 21, *1916*
 MAR. 20, MAY 22, JUNE 14, 29, JULY 5, 11, 19, 21, 26, AUG. 1, 4, 14, 19, 25, SEP. 4, 8, 11, 12, 26, OCT. 20, NOV. 2,
 DEC. 1, 8, 15, *1917*
 JAN. 12, 22, FEB. 15, APR. 12, MAY 15, 25, JUNE 11, 13, 21, JULY 3, AUG. 23, SEP. 4, 5, 6, OCT. 8, 12,
 NOV. 9, 12, 14, 17.

Total No. of Visits *96*

Surveyor's Signature

John MacKirdy

Lloyd's Register Foundation